

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	1.16	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	8.58	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	10.32	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	3.19	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	3.43	± 9.6 %
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	± 9.6 %
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	± 9.6 %
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	± 9.6 %
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	± 9.6 %
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	± 9.6 %
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	± 9.6 %
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	± 9.6 %
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	± 9.6 %
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	± 9.6 %
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	± 9.6 %
11013	AAB	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
11014	AAB	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	± 9.6 %
11015	AAB	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11016	AAB	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11017	AAB	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	± 9.6 %
11018	AAB	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	± 9.6 %
11019	AAB	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
11020	AAB	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	± 9.6 %
11021	AAB	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	± 9.6 %
11022	AAB	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.36	± 9.6 %
11023	AAB	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)	WLAN	8.09	± 9.6 %
11024	AAB	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	± 9.6 %
11025	AAB	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	± 9.6 %
11026	AAB	IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)	WLAN	8.39	± 9.6 %

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Client: 7layers

Certificate No: 24J02Z000853

CALIBRATION CERTIFICATE

Object D750V3 - SN: 1200

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

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.

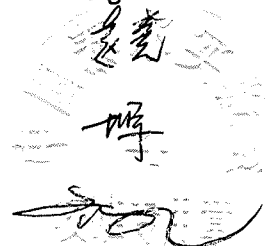
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>**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	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.9	0.89 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.7 $\pm$ 6 %	0.90 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.42 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.55 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.5Ω- 5.04jΩ
Return Loss	- 25.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	0.939 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1200

Communication System: UID 0, CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.65$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.85, 9.85, 9.85) @ 750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.97 V/m; Power Drift = -0.01 dB

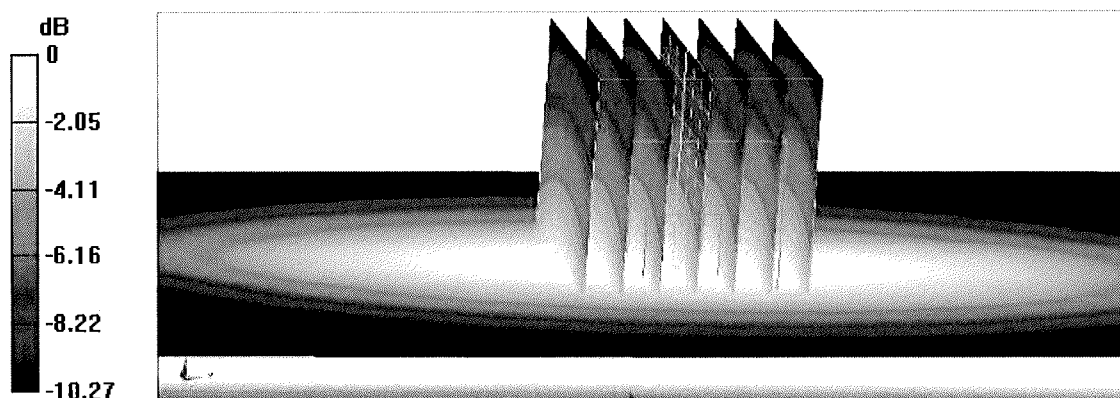
Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.4 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg



In Collaboration with

s p e a k
CALIBRATION LABORATORY

CAICT

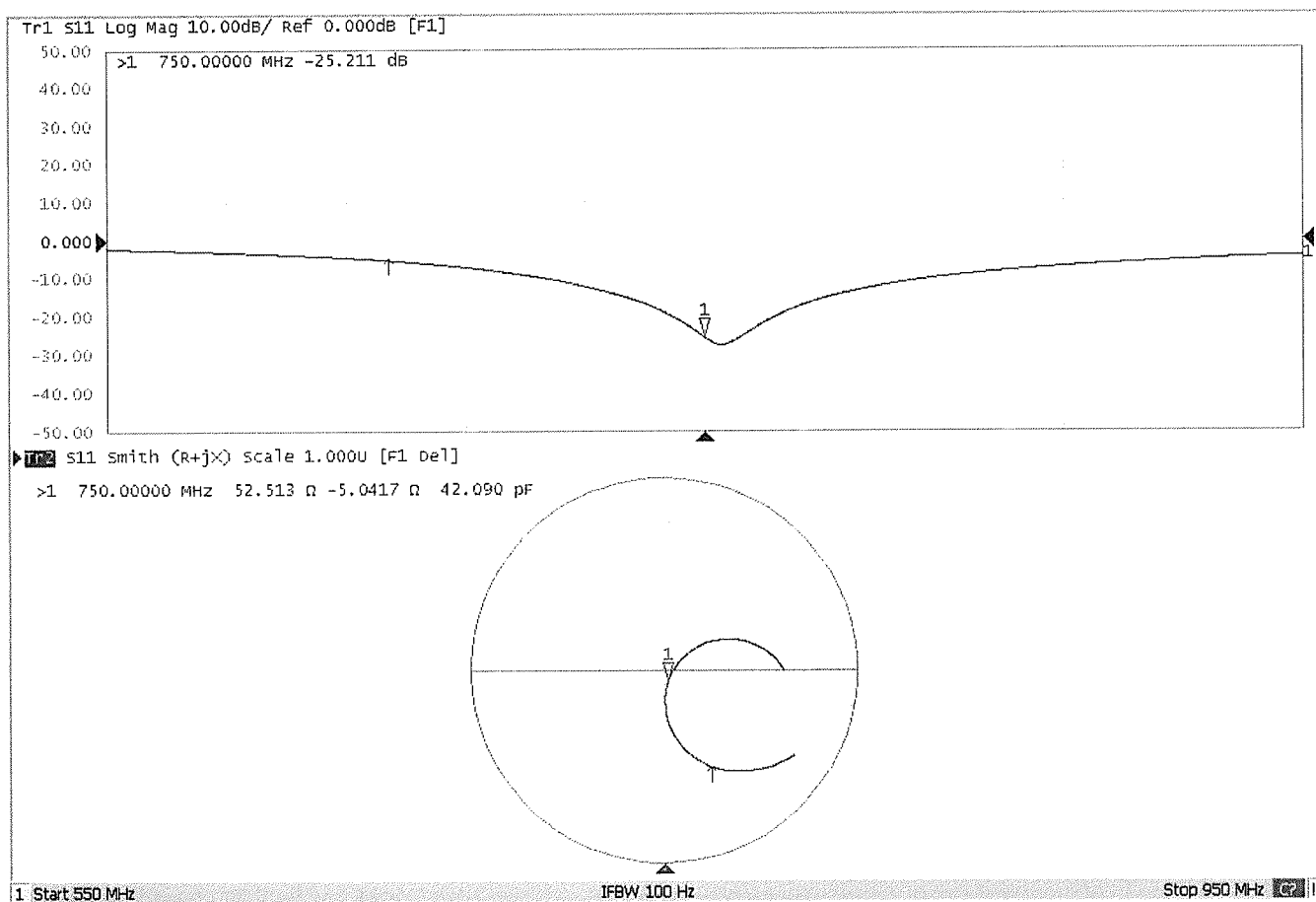
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000854**

CALIBRATION CERTIFICATE

Object D835V2 - SN: 4d265

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 4, 2024

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	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>**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	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.6 $\pm$ 6 %	0.92 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.44W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.63 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.60 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.33 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.4Ω- 1.88jΩ
Return Loss	- 32.1dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.304 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a k
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-04

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d265

Communication System: UID 0, CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.57$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.85, 9.85, 9.85) @ 835 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 58.33 V/m; Power Drift = -0.01 dB

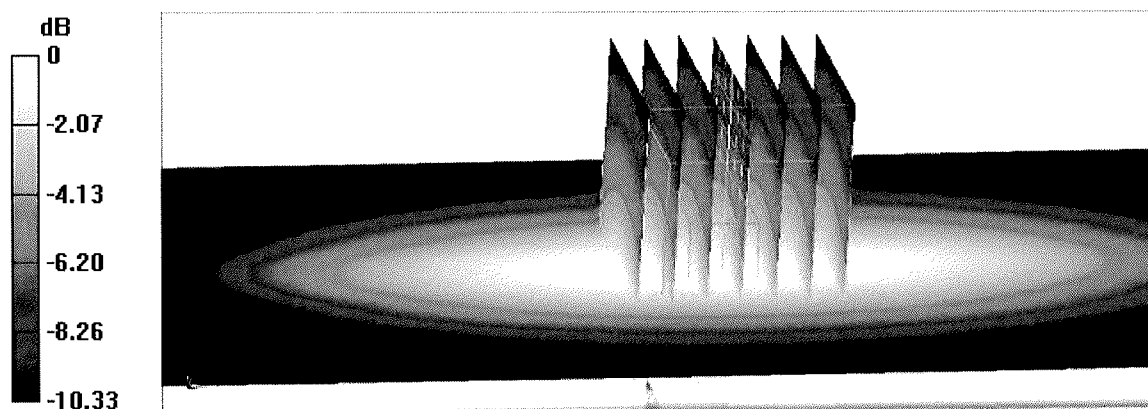
Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg

Smallest distance from peaks to all points 3 dB below = 17.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 3.35 W/kg



0 dB = 3.35 W/kg = 5.25 dBW/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

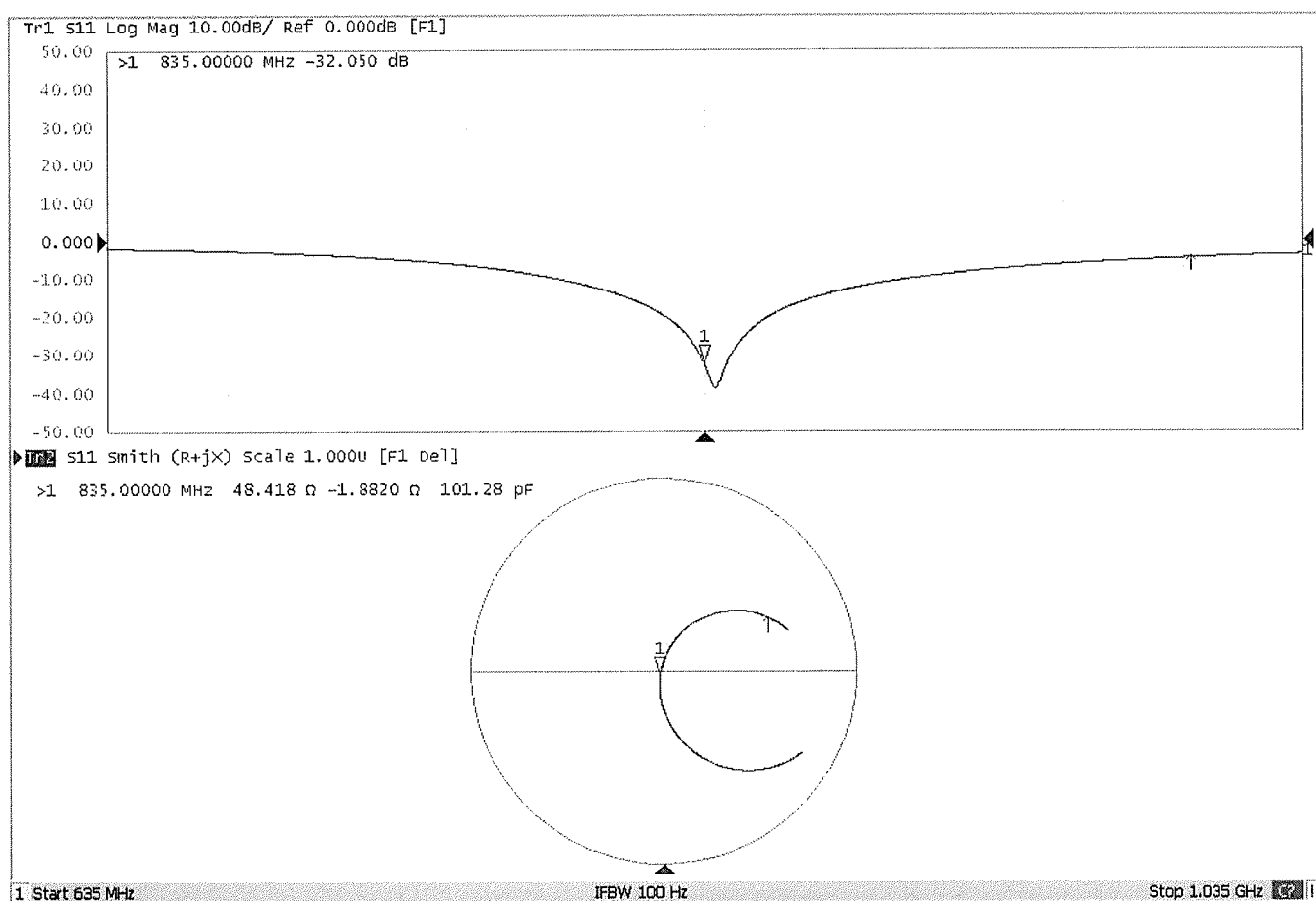
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000855**

CALIBRATION CERTIFICATE

Object D900V2 - SN: 1d111

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 6, 2024

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.

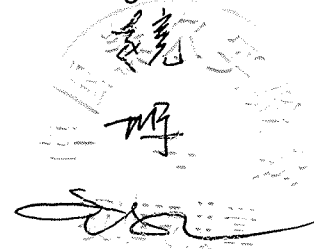
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	900 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.97 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.3 $\pm$ 6 %	0.96 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.69 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	10.8 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.98 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.2Ω- 4.46jΩ
Return Loss	- 26.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.321 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-06

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN: 1d111

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 900$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 41.27$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.35, 9.35, 9.35) @ 900 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 59.81 V/m; Power Drift = 0.00 dB

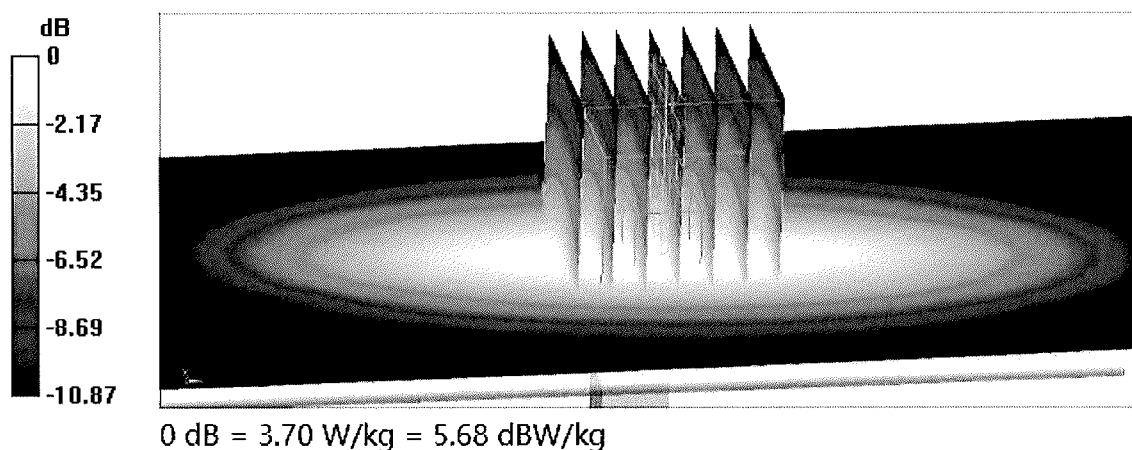
Peak SAR (extrapolated) = 4.30 W/kg

SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.74 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 3.70 W/kg





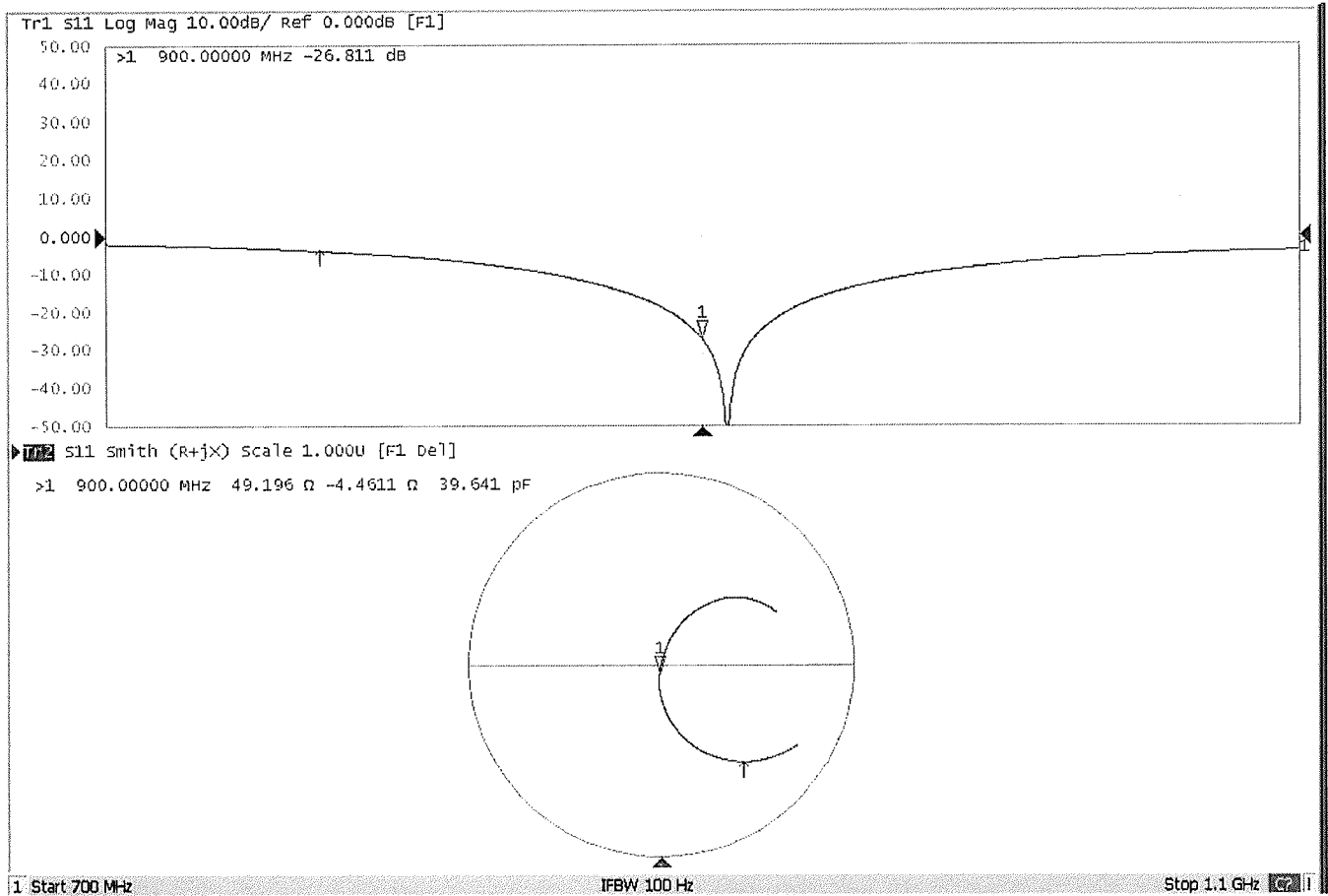
In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: emf@caict.ac.cn <http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000856**

CALIBRATION CERTIFICATE

Object D1750V2 - SN: 1176

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 6, 2024

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.

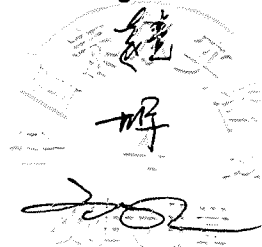
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.1 $\pm$ 6 %	1.38 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.17 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	36.7 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.87 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.5 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.6Ω- 2.87jΩ
Return Loss	- 30.7dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.135 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: emf@caict.ac.cn <http://www.caict.ac.cn>

DASY5 Validation Report for Head TSL

Date: 2024-11-06

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1176

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(8.22, 8.22, 8.22) @ 1750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.34 V/m; Power Drift = -0.03 dB

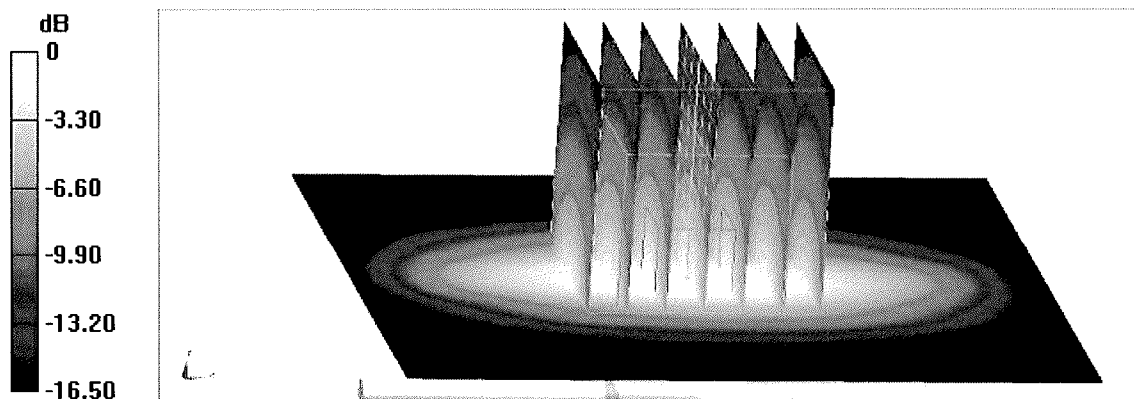
Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.17 W/kg; SAR(10 g) = 4.87 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 dBW/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

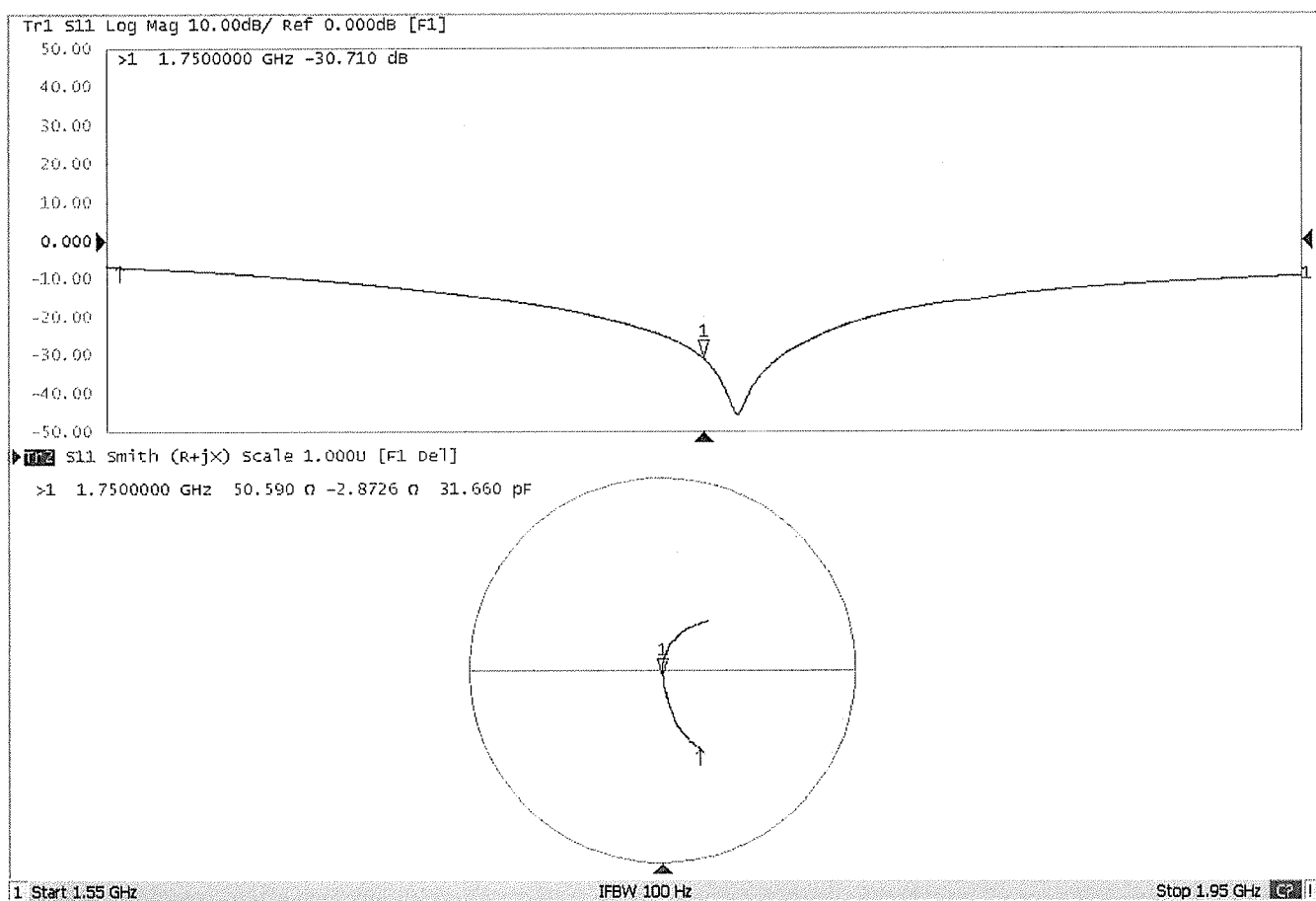
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client: 7layers

Certificate No: 24J02Z000857

CALIBRATION CERTIFICATE

Object D1950V3 - SN: 1229

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

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	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: cttl@chinattl.com <http://www.caict.ac.cn>

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

<http://www.caict.ac.cn>**Measurement Conditions**

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1950 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	40.7 $\pm$ 6 %	1.39 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	10.1 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	40.8 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.18 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.9 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: cttl@chinattl.com <http://www.caict.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	$47.3\Omega + 2.24j\Omega$
Return Loss	- 28.9dB

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 feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: cttl@chinattl.com <http://www.caict.ac.cn>

DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1950 MHz; Type: D1950V2; Serial: D1950V2 - SN: 1229

Communication System: UID 0, CW; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.68$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(7.95, 7.95, 7.95) @ 1950 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.1 V/m; Power Drift = 0.00 dB

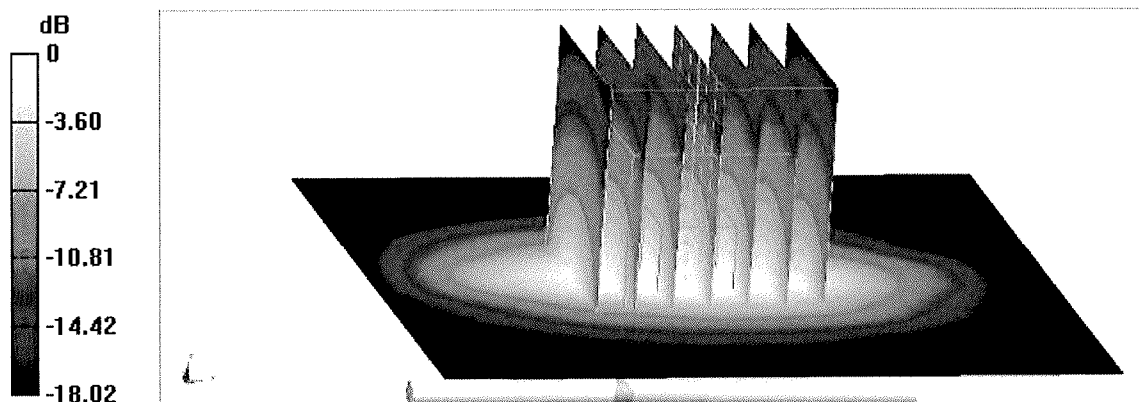
Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.18 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg



In Collaboration with

s p e a k

CALIBRATION LABORATORY

CAICT

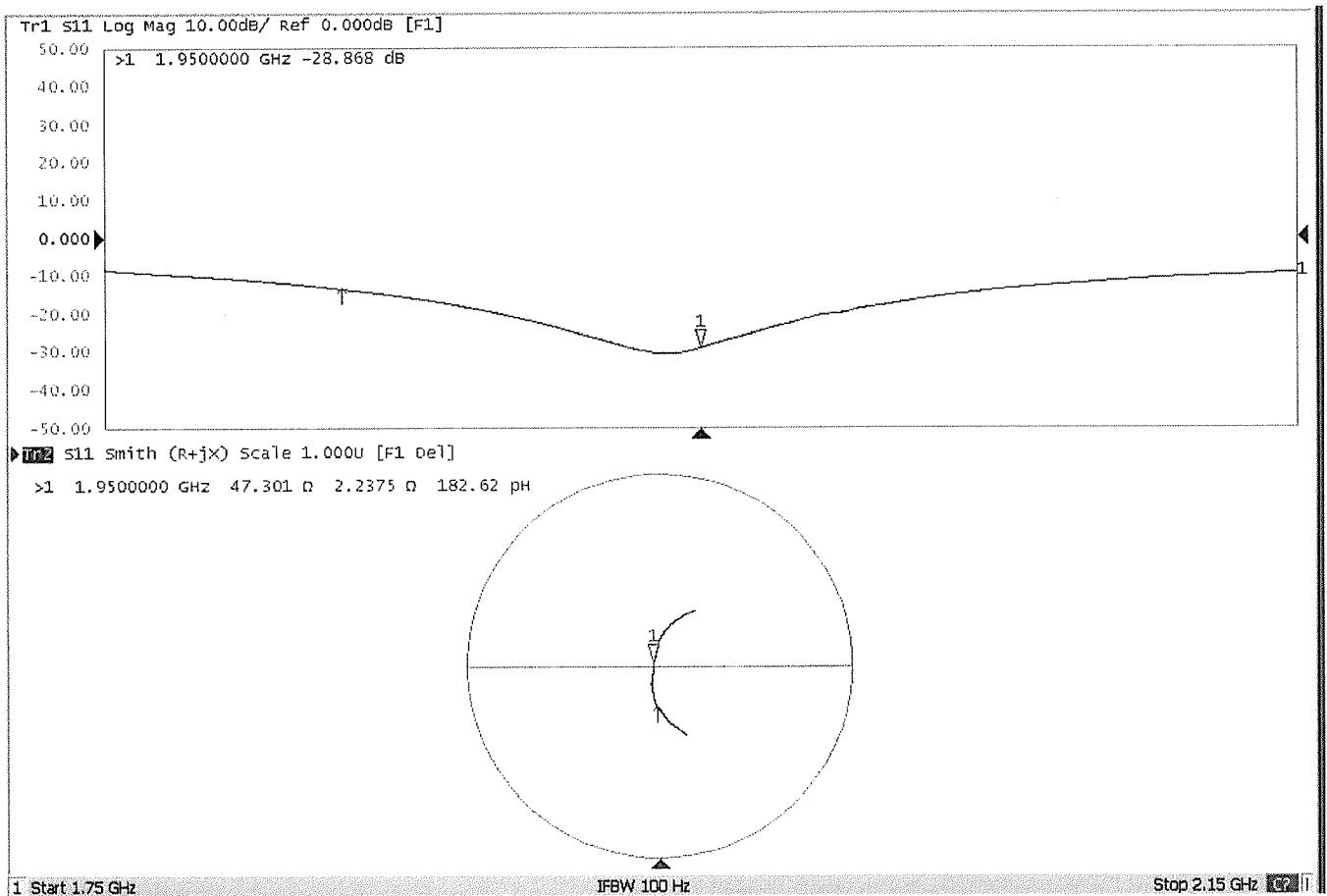
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client: 7layers

Certificate No: 24J02Z000858

CALIBRATION CERTIFICATE

Object D2300V2 - SN: 1110

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

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.

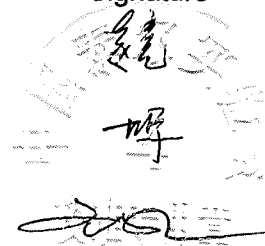
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2300 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.5	1.67 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	39.3 $\pm$ 6 %	1.65 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	12.2 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	49.1 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.78 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.2 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g

CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.9Ω+ 3.82jΩ
Return Loss	- 27.1dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.071 ns
----------------------------------	----------

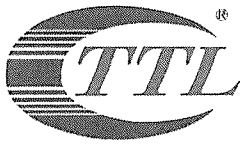
After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: D2300V2 - SN: 1110

Communication System: UID 0, CW; Frequency: 2300 MHz

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.648$ S/m; $\epsilon_r = 39.33$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(7.66, 7.66, 7.66) @ 2300 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.1 V/m; Power Drift = -0.03 dB

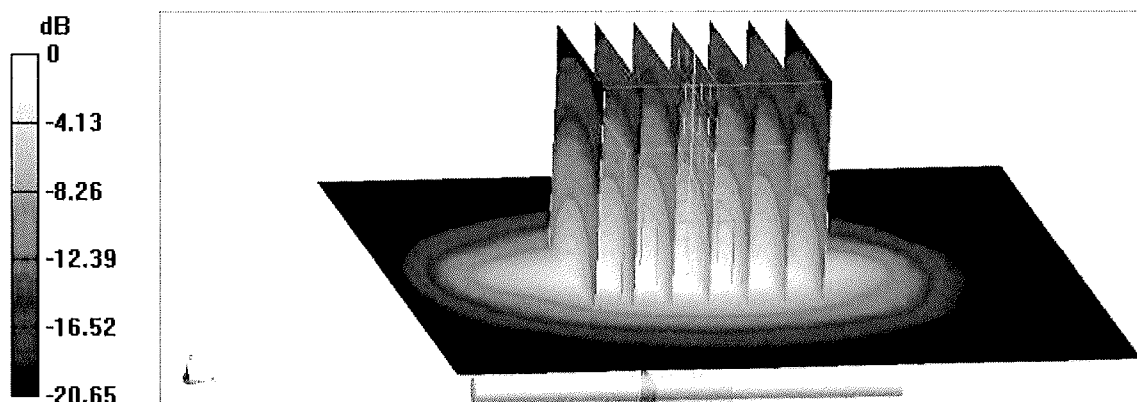
Peak SAR (extrapolated) = 24.4 W/kg

SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.78 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 W/kg = 13.01 dBW/kg



In Collaboration with

s p e a g

CALIBRATION LABORATORY

CAICT

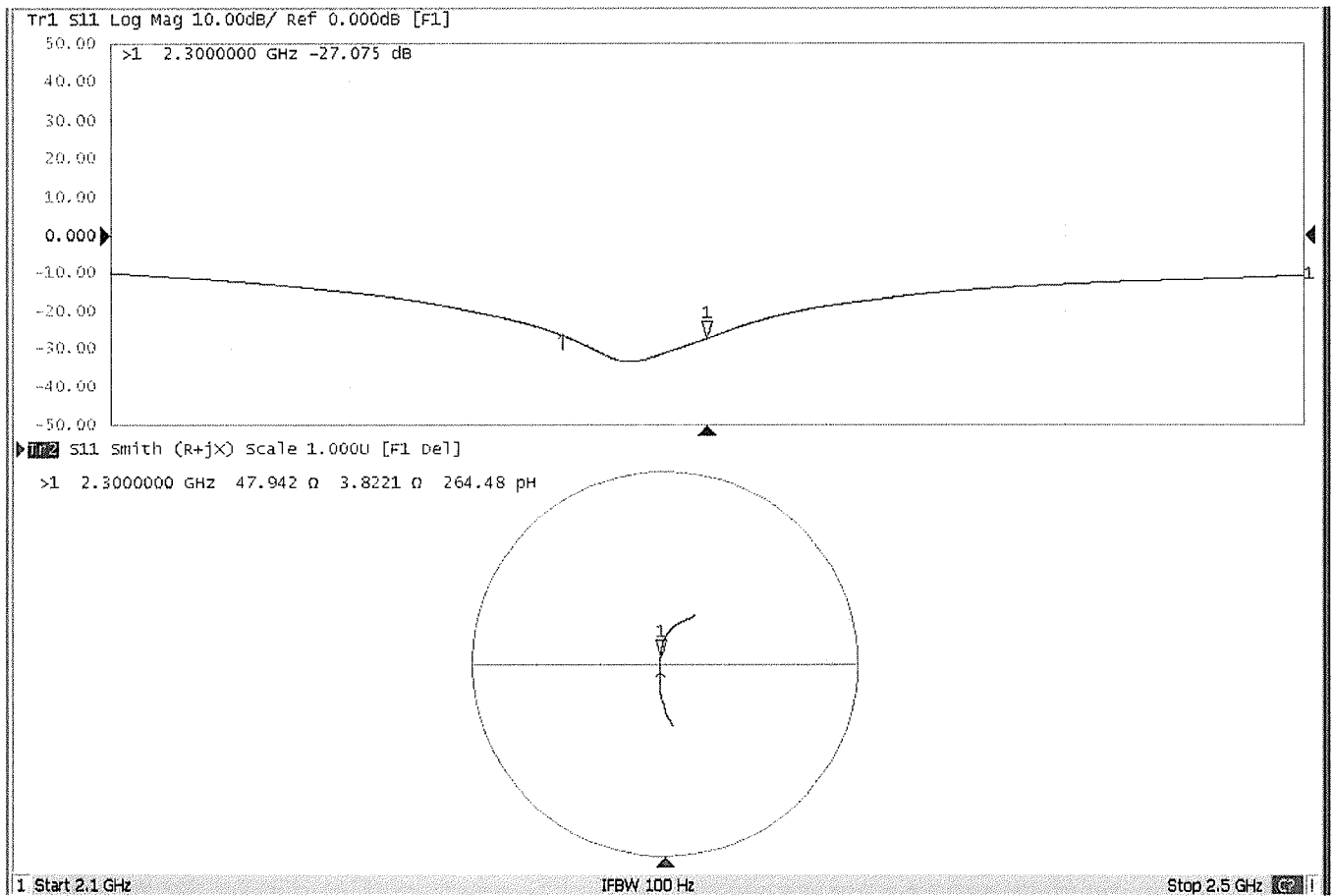
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000859**

CALIBRATION CERTIFICATE

Object D2450V2 - SN: 1048

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 6, 2024

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.

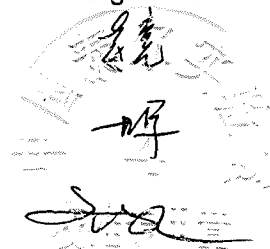
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

<http://www.caict.ac.cn>**Measurement Conditions**

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

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	40.1 $\pm$ 6 %	1.81 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.3 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.3 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	6.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.6 W/kg $\pm$ 18.7 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

<http://www.caict.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.4Ω+ 9.16jΩ
Return Loss	- 20.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.059 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-06

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 1048

Communication System: UID 0, CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(7.37, 7.37, 7.37) @ 2450 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.2 V/m; Power Drift = 0.00 dB

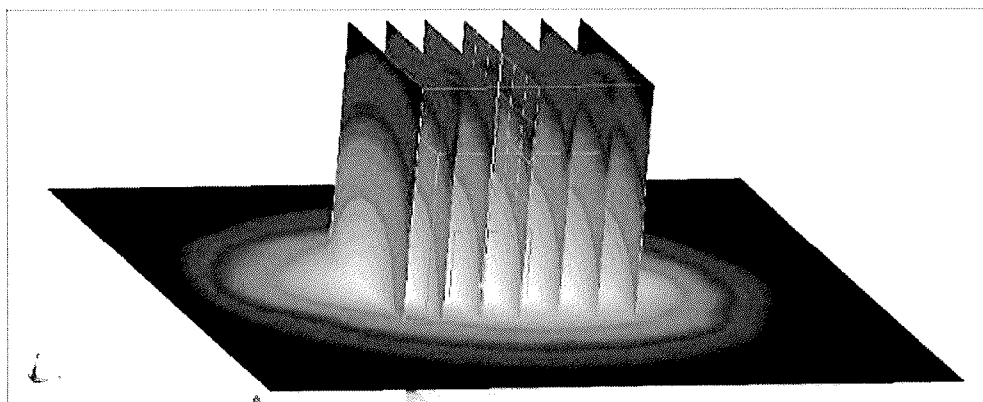
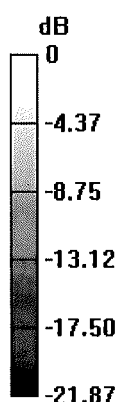
Peak SAR (extrapolated) = 27.1 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.14 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 49.5%

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

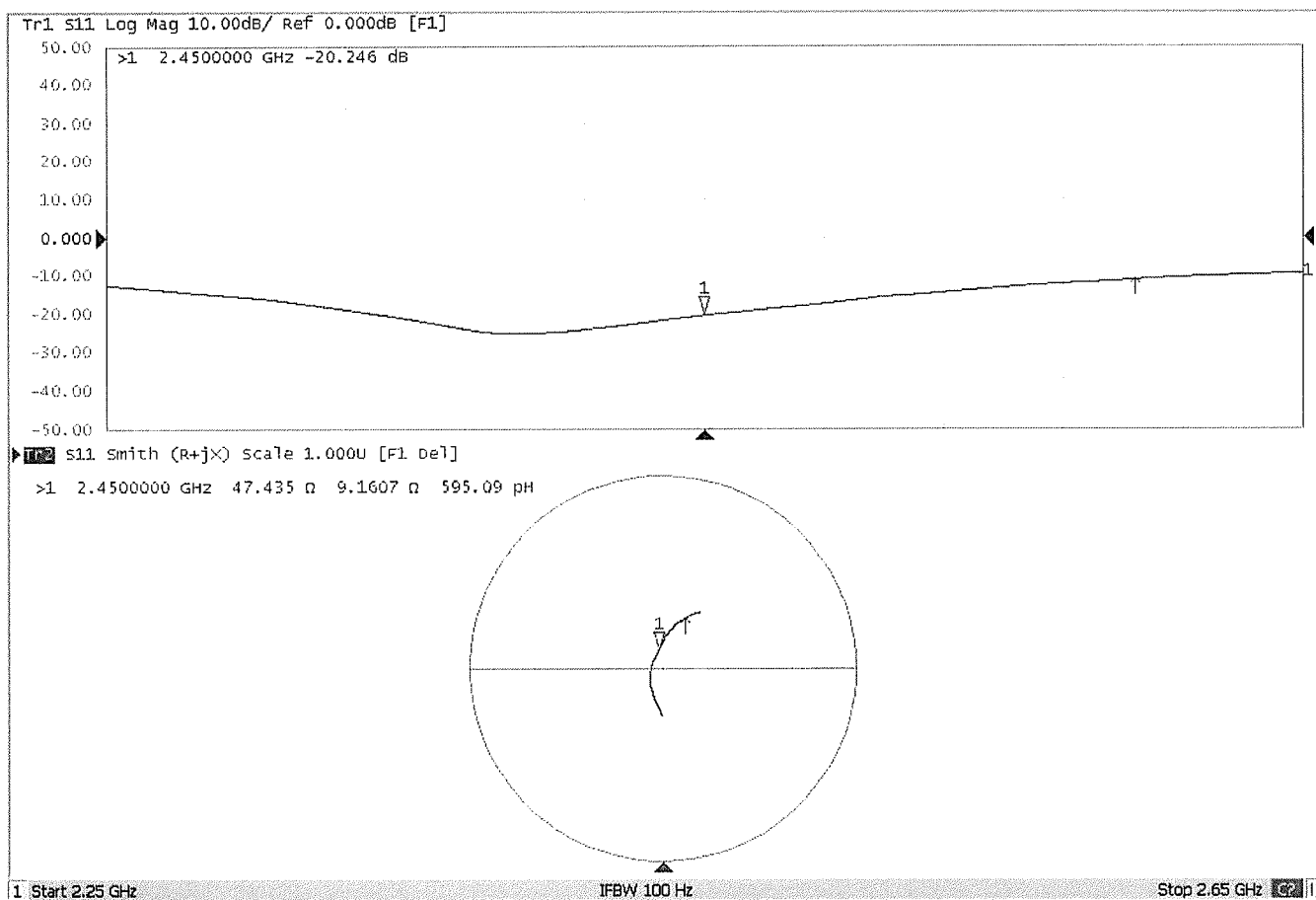
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: cttl@chinattl.com

<http://www.caict.ac.cn>

Impedance Measurement Plot for Head TSL





Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **7-Layers (Auden)**

Certificate No: **D2550V2-1022_Sep22**

CALIBRATION CERTIFICATE

Object **D2550V2 - SN:1022**

Calibration procedure(s) **QA CAL-05.v11
Calibration Procedure for SAR Validation Sources between 0.7-3 GHz**

Calibration date: **September 22, 2022**

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 (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	31-Aug-22 (No. DAE4-601_Aug22)	Aug-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Sven Kühn	Technical Manager	

Issued: September 23, 2022

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



Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Glossary:

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

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY 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 source is mounted in a touch configuration below the center marking of the flat phantom.
- *Return Loss:* This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. 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%.

Measurement Conditions

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

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2550 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.1	1.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.4 $\pm$ 6 %	1.95 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.0 W/kg $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.2 W/kg $\pm$ 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.0 Ω - 4.0 j Ω
Return Loss	- 27.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.157 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
-----------------	-------

DASY5 Validation Report for Head TSL

Date: 22.09.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2550 MHz; Type: D2550V2; Serial: D2550V2 - SN:1022

Communication System: UID 0 - CW; Frequency: 2550 MHz

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.85, 7.85, 7.85) @ 2550 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 113.1 V/m; Power Drift = 0.06 dB

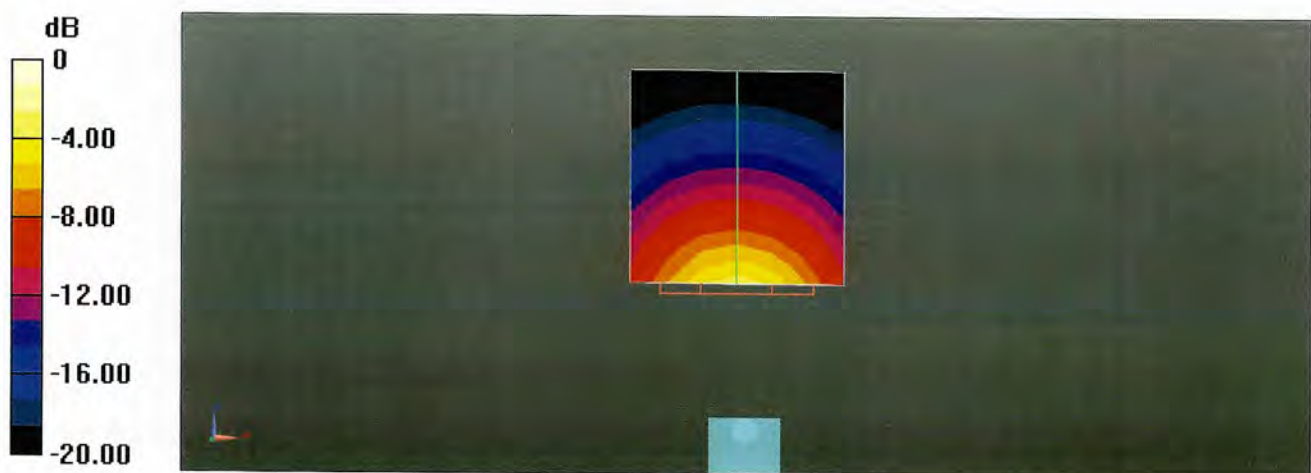
Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.13 W/kg

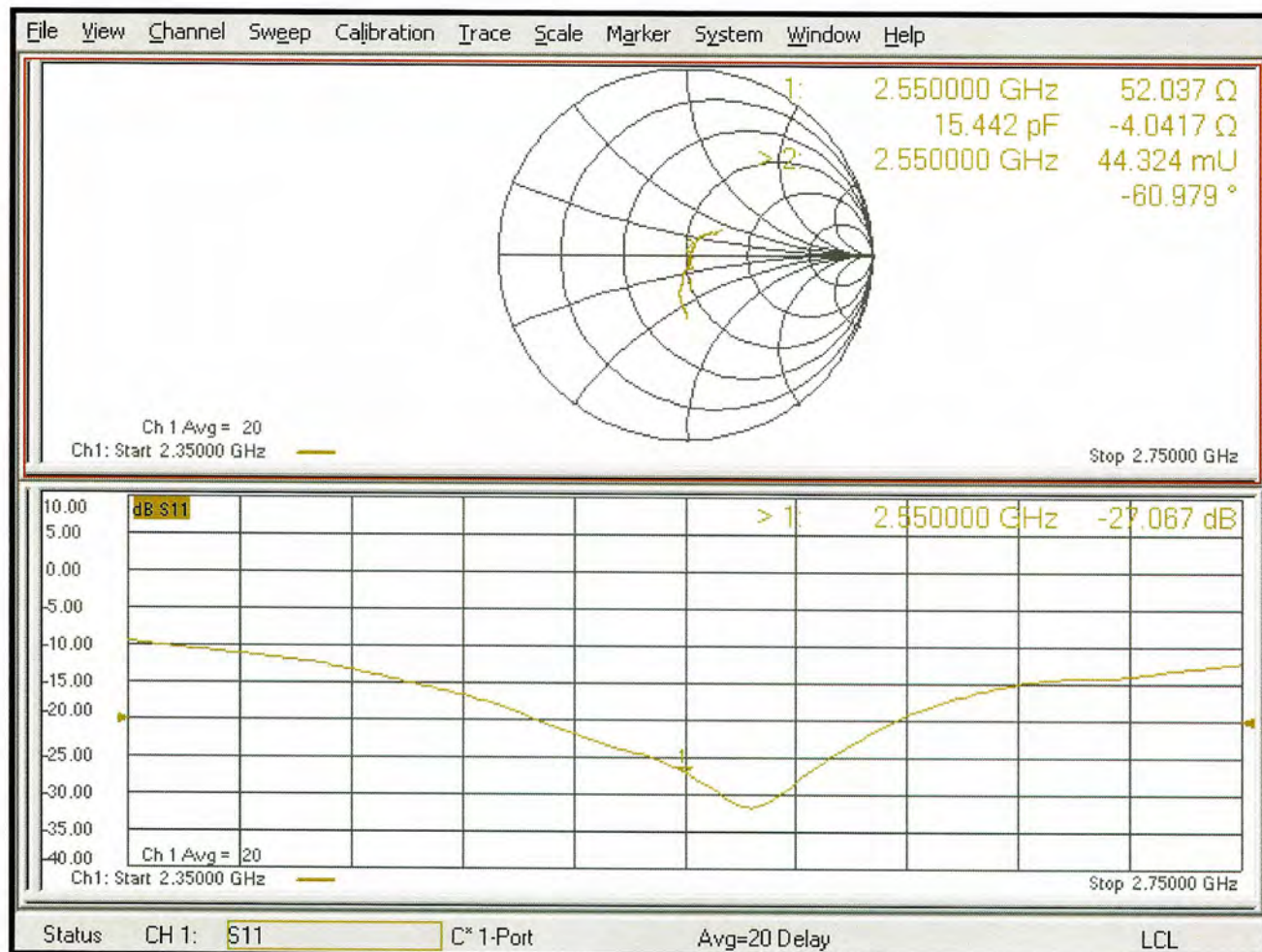
Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 22.6 W/kg



Impedance Measurement Plot for Head TSL



D2550V2 - SN: 1022 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss ($< -20\text{dB}$, 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.

D2550V2 - SN: 1022						
2550MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
9.22.2022	-27.1		52		-4	
9.21.2023	-23.13	-14.65	54.77	2.77	-5.52	-1.52
9.20.2024	-23.22	-14.32	55.65	3.65	-4.71	-0.71

<Justification of the extended calibration>

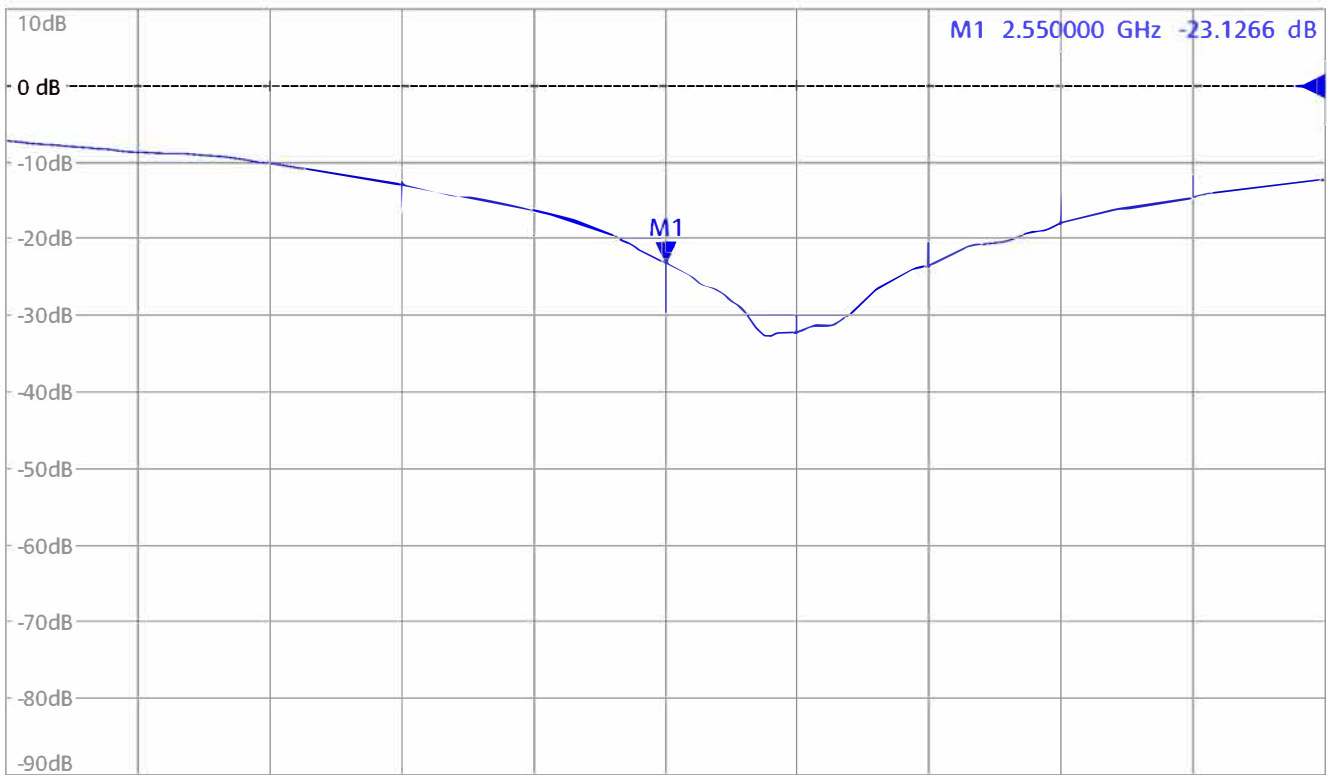
The return loss is $< -20\text{dB}$, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 2550MHz _2023.09.21

Trc1 — S11 dB Mag 10 dB/ Ref 0 dB Cal

1

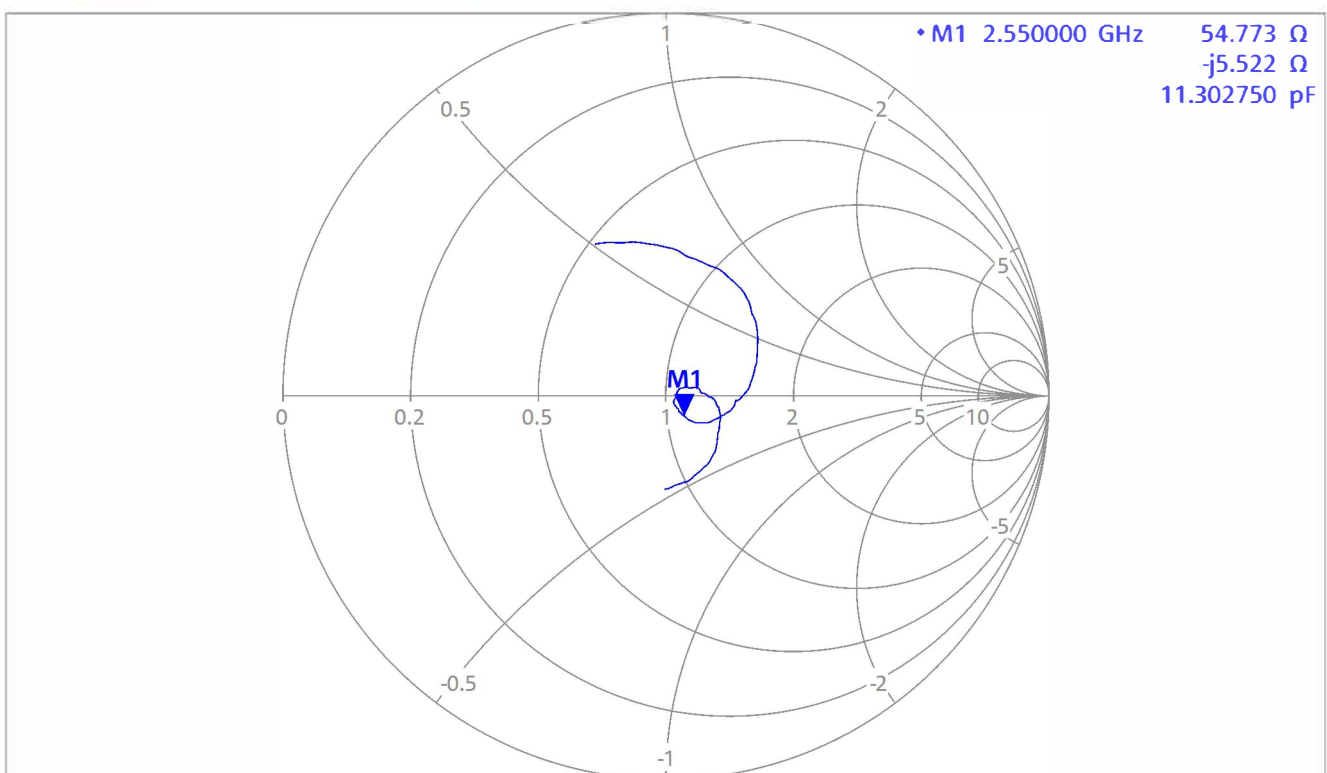


Ch1 Start 2.35 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 2.75 GHz

Trc2 — S11 Smith 200 mU/ Ref 1 U Cal

2

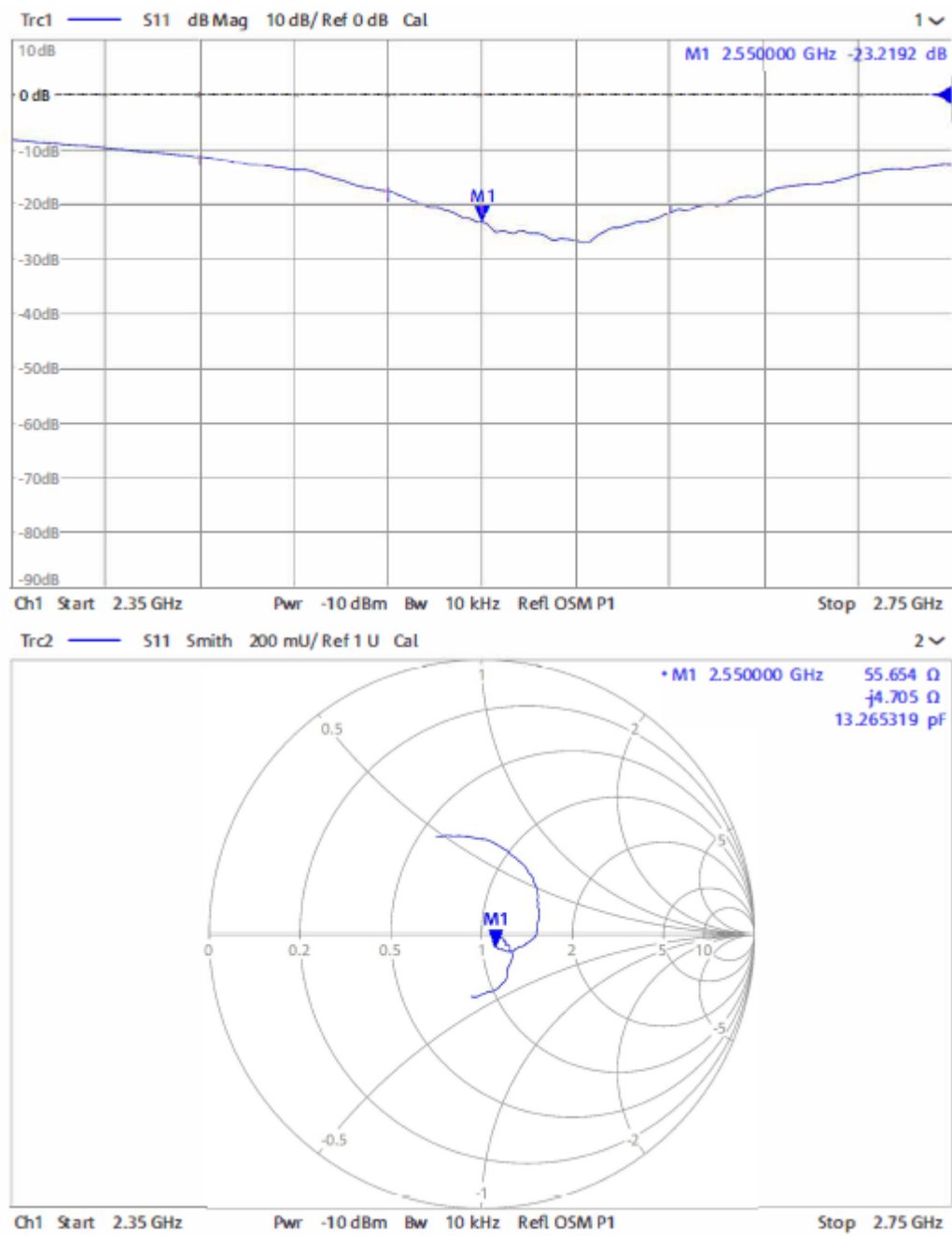


Ch1 Start 2.35 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 2.75 GHz

<Dipole Verification Data>

Head 2550MHz _2024.09.20



Client **7layers**

Certificate No: **24J02Z000860**

CALIBRATION CERTIFICATE

Object D3500V2 - SN: 1111

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 11, 2024

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.

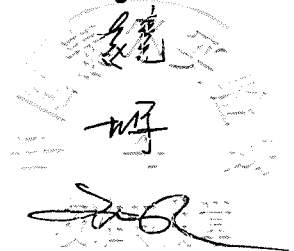
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
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	3400 MHz $\pm$ 1 MHz 3500 MHz $\pm$ 1 MHz	

Head TSL parameters at 3400 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	38.0	2.81 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	38.0 $\pm$ 6 %	2.80 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	---	---

SAR result with Head TSL at 3400 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.5 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.55 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.5 W/kg $\pm$ 24.2 % (k=2)

Head TSL parameters at 3500 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.8 $\pm$ 6 %	2.92 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	---	---

SAR result with Head TSL at 3500 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.58 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	65.7 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.48 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.8 W/kg $\pm$ 24.2 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3400 MHz

Impedance, transformed to feed point	42.4Ω- 0.85jΩ
Return Loss	- 21.6dB

Antenna Parameters with Head TSL at 3500 MHz

Impedance, transformed to feed point	48.6Ω+ 3.70jΩ
Return Loss	- 27.9dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.043 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-11

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN: 1111

Communication System: CW; Frequency: 3400 MHz, CW; Frequency: 3500 MHz,

Medium parameters used: $f = 3400$ MHz; $\sigma = 2.8$ S/m; $\epsilon_r = 38.04$; $\rho = 1000$ kg/m³,

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.922$ S/m; $\epsilon_r = 37.75$; $\rho = 1000$ kg/m³,

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.95, 6.95, 6.95) @ 3400 MHz; ConvF(6.72, 6.72, 6.72) @ 3500 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3400 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.55 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 77.3%

Maximum value of SAR (measured) = 12.2 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=3500 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 56.01 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5%

Maximum value of SAR (measured) = 12.1 W/kg



In Collaboration with

s p e a k

CALIBRATION LABORATORY

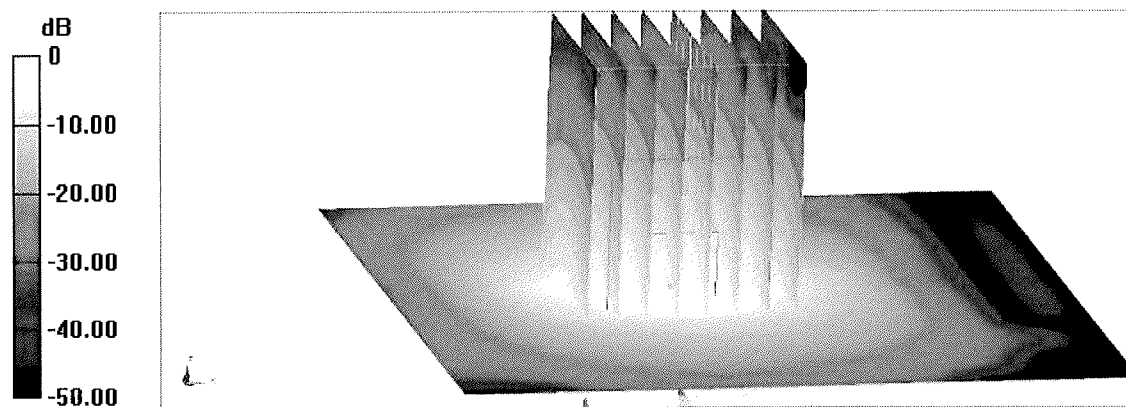
CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>



0 dB = 12.1 W/kg = 10.83 dBW/kg



In Collaboration with

s p e a g

CALIBRATION LABORATORY

CAICT

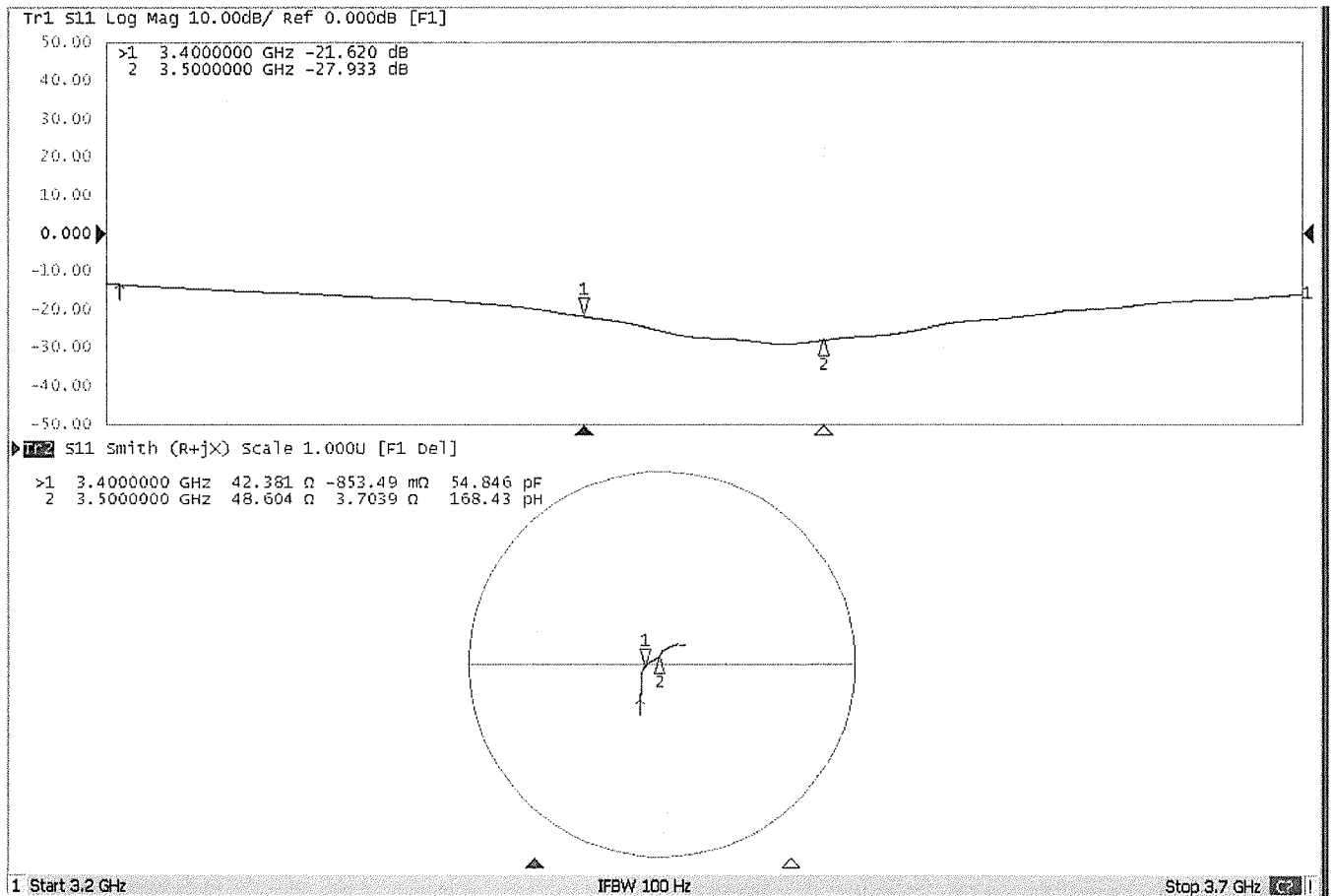
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Impedance Measurement Plot for Head TSL



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Client

7layers

Certificate No:

24J02Z000861

CALIBRATION CERTIFICATE

Object D3700V2 - SN: 1082

Calibration Procedure(s)

FF-Z11-003-01

Calibration Procedures for dipole validation kits

Calibration date:

November 8, 2024

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.

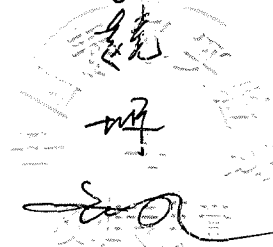
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
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	3700 MHz $\pm$ 1 MHz	

Head TSL parameters at 3700 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.0 $\pm$ 6 %	3.11 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 3700 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.68 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.6 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.2 W/kg $\pm$ 24.2 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3700 MHz

Impedance, transformed to feed point	44.6Ω+ 2.53jΩ
Return Loss	- 24.0dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.048 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-08

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN: 1082

Communication System: UID 0, CW; Frequency: 3700 MHz;

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.108$ S/m; $\epsilon_r = 37.04$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.56, 6.56, 6.56) @ 3700 MHz;
Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial:
1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3700 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.22 V/m; Power Drift = -0.02 dB

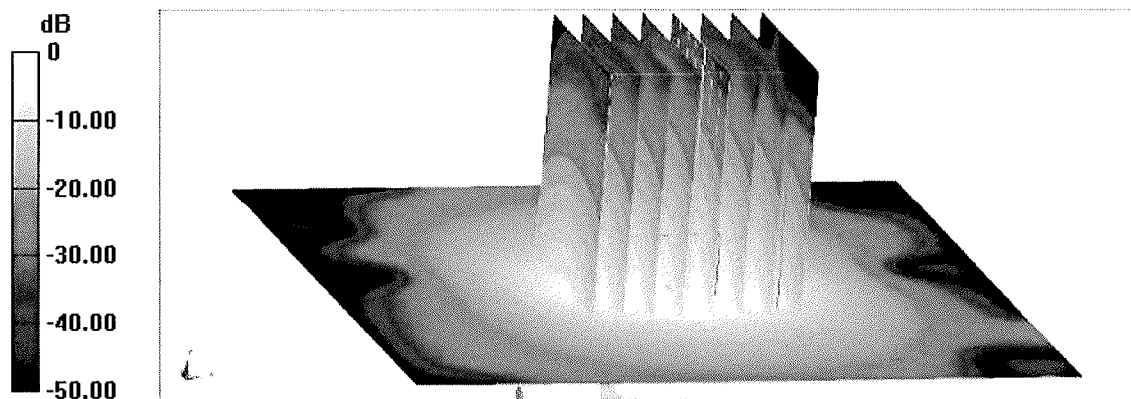
Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg



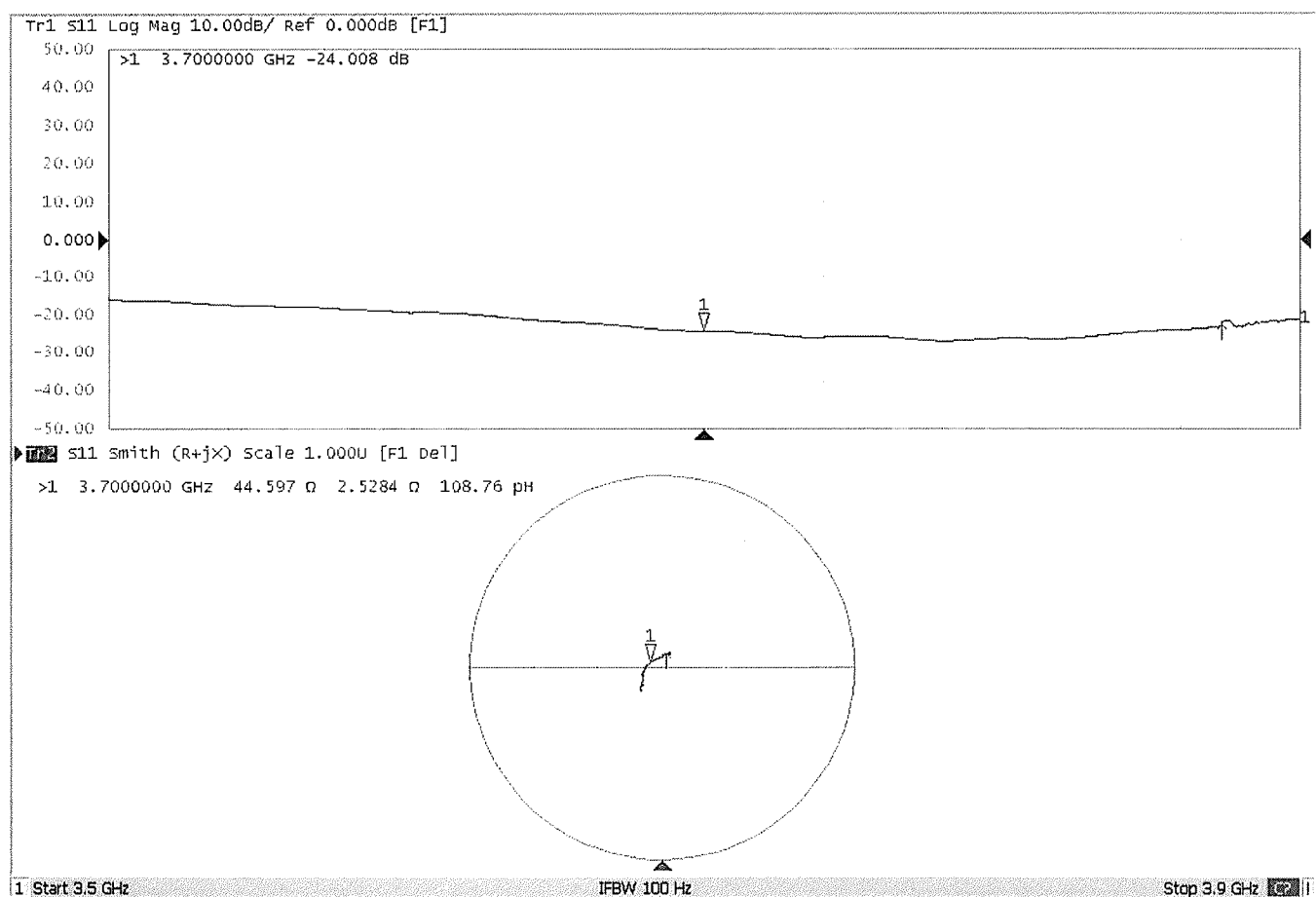
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000862**

CALIBRATION CERTIFICATE

Object D3900V2 - SN: 1055

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

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.

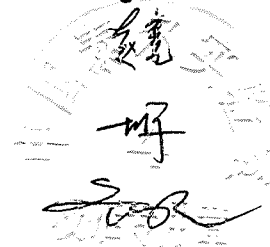
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Signature



Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- 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%.



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
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 $\pm$ 1 MHz 4100 MHz $\pm$ 1 MHz	

Head TSL parameters at 3900MHz

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 $\pm$ 0.2) °C	37.3 $\pm$ 6 %	3.31 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 3900MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.82 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	68.2 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.35 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.5 W/kg $\pm$ 24.2 % (k=2)

Head TSL parameters at 4100MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.2	3.53 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	36.8 $\pm$ 6 %	3.50 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 4100MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.81 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	68.0 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.2 W/kg $\pm$ 24.2 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3900MHz

Impedance, transformed to feed point	47.2Ω- 3.24jΩ
Return Loss	- 27.1dB

Antenna Parameters with Head TSL at 4100MHz

Impedance, transformed to feed point	59.7Ω+ 2.44jΩ
Return Loss	- 20.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.011 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN: 1055

Communication System: UID 0, CW; Frequency: 3900 MHz; Frequency: 4100 MHz;

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.309$ S/m; $\epsilon_r = 37.28$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 4100$ MHz; $\sigma = 3.5$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.4, 6.4, 6.4) @ 3900 MHz; ConvF(6.43, 6.43, 6.43) @ 4100 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 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 = 63.07 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 6.82 W/kg; SAR(10 g) = 2.35 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 73.2%

Maximum value of SAR (measured) = 13.3 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=4100 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.04 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 20.6 W/kg

SAR(1 g) = 6.81 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 71.9%

Maximum value of SAR (measured) = 13.6 W/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

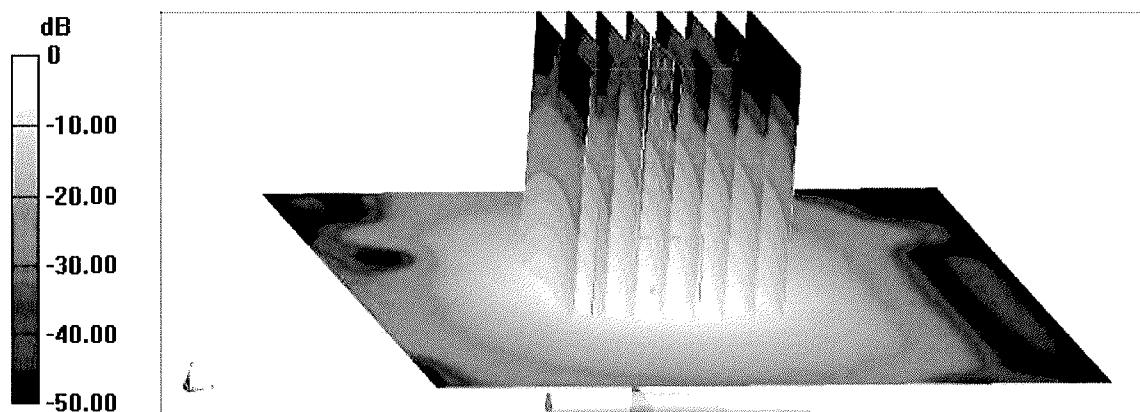
CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caict.ac.cn>



0 dB = 13.6 W/kg = 11.34 dBW/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

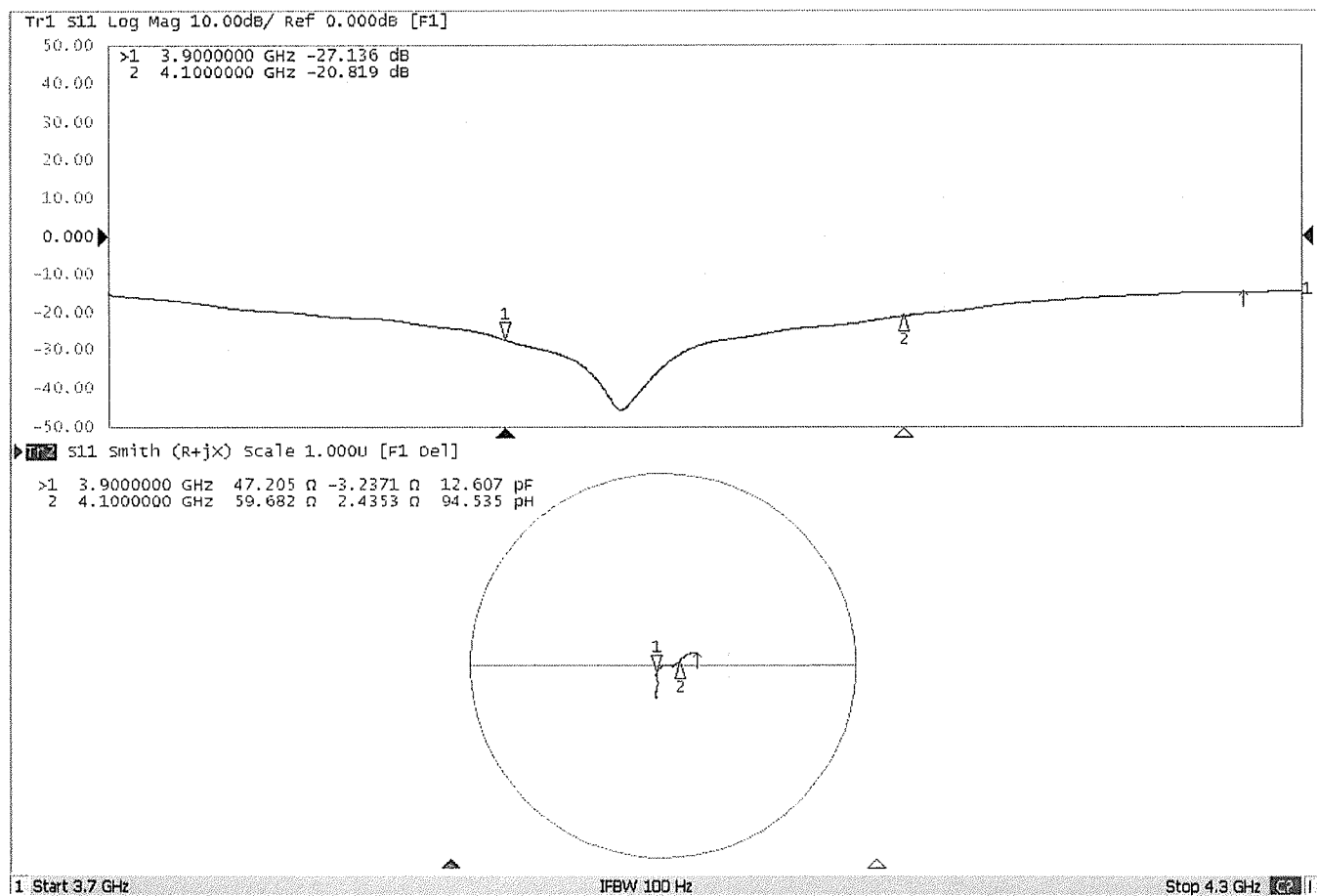
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Impedance Measurement Plot for Head TSL



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caic.ac.cn

Client

7layers

Certificate No: 24J02Z000865

CALIBRATION CERTIFICATE

Object D5GHzV2 - SN: 1315

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

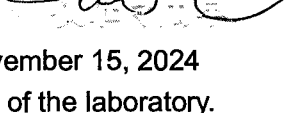
Calibration date: November 5, 2024

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 $(22\pm3)^{\circ}\text{C}$ 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	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

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

Issued: November 15, 2024

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



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caic.ac.cn>

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- 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%.



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caic.ac.cn

Measurement Conditions

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

DASY Version	DASY52	52.10.4
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 $\pm$ 1 MHz 5600 MHz $\pm$ 1 MHz 5750 MHz $\pm$ 1 MHz	

Head TSL parameters at 5250MHz

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 $\pm$ 0.2) °C	35.8 $\pm$ 6 %	4.70 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5250MHz

SAR averaged over 1	(1 g) of Head TSL	Condition	
SAR measured		100 mW input power	7.73 W/kg
SAR for nominal Head TSL parameters		normalized to 1W	77.3 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10	(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	21.6 W/kg $\pm$ 24.2 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY**CAICT**

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

http://www.caic.ac.cn

Head TSL parameters at 5600MHz

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	35.2 ± 6 %	5.08 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5600MHz

SAR averaged over 1 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.18 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.7 W/kg ± 24.4 % (k=2)
SAR averaged over 10 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ± 24.2 % (k=2)

Head TSL parameters at 5750MHz

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	35.0 ± 6 %	5.24 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5750MHz

SAR averaged over 1 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.73 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	77.1 W/kg ± 24.4 % (k=2)
SAR averaged over 10 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.2 W/kg ± 24.2 % (k=2)



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caic.ac.cn>

Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5250MHz

Impedance, transformed to feed point	49.2Ω- 1.60jΩ
Return Loss	- 34.8dB

Antenna Parameters with Head TSL at 5600MHz

Impedance, transformed to feed point	53.2Ω+ 4.15jΩ
Return Loss	- 25.9dB

Antenna Parameters with Head TSL at 5750MHz

Impedance, transformed to feed point	49.3Ω+ 4.49jΩ
Return Loss	- 26.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.099 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point 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 feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caic.ac.cn>

DASY5 Validation Report for Head TSL

Date: 2024-11-05

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; $\sigma = 4.698$ S/m; $\epsilon_r = 35.84$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.077$ S/m; $\epsilon_r = 35.24$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.241$ S/m; $\epsilon_r = 35.02$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(5.43, 5.43, 5.43) @ 5250 MHz; ConvF(4.83, 4.83, 4.83) @ 5600 MHz; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 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 = 61.02 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.73 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 = 64.4%

Maximum value of SAR (measured) = 18.7 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 = 60.79 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 38.0 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 20.4 W/kg



In Collaboration with

s p e a g
CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caic.ac.cn>

**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 = 59.50 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 37.3 W/kg
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.13 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.4%
Maximum value of SAR (measured) = 19.7 W/kg**



In Collaboration with

s p e a g

CALIBRATION LABORATORY

CAICT

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

E-mail: emf@caict.ac.cn

<http://www.caic.ac.cn>

Impedance Measurement Plot for Head TSL



Appendix D. Conducted RF Output Power Table

The detailed power table are shown as follows.

Normal Default

LTE Band 2 (Aut2)										
SW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Throughput (Mbps)	Max. TBS (Kbits)	Max. TBS (Kbits)
Channel										
Frequency (MHz)										
1885 1890 1895 1900 1905 1910										
OPSA	QPSK	1	0	23.72	23.76	23.80	0	24	1	24
		1	50	23.52	23.80	23.88	0	24	1	24
		1	99	23.14	23.84	23.94	1	24	1	24
		50	0	22.66	22.68	22.68	1	23	1	23
		50	50	22.51	22.52	22.52	1	23	1	23
		100	0	22.53	22.56	22.61	1	23	1	23
		100	50	22.64	22.66	22.66	1	23	1	23
		1	50	22.73	22.65	22.48	1	23	1	23
		1	99	22.74	22.63	22.48	1	23	1	23
		50	50	21.76	21.59	21.41	2	22	1	22
20M	16QAM	50	50	21.75	21.53	21.44	2	22	1	22
		100	0	21.79	21.59	21.52	2	22	1	22
		1	0	21.76	21.77	21.47	2	22	1	22
		1	50	21.53	21.67	21.44	2	22	1	22
		1	99	21.47	21.57	21.26	2	22	1	22
		50	0	20.87	20.74	20.52	3	21	1	21
		50	50	20.77	20.67	20.51	3	21	1	21
		100	0	20.81	20.52	20.44	3	21	1	21
		1	50	18.68	18.74	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
20M	16QAM	50	50	18.68	18.74	18.56	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42	5	19	1	19
		1	99	18.68	18.63	18.48	5	19	1	19
		50	50	18.68	18.64	18.52	5	19	1	19
		50	50	18.65	18.60	18.45	5	19	1	19
		50	50	18.58	18.48	18.38	5	19	1	19
		100	0	18.71	18.64	18.52	5	19	1	19
20M	16QAM	1	50	18.68	18.60	18.50	5	19	1	19
		1	99	18.68	18.49	18.42				

LTE Band 7 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Max
		Channel	20MHz	21MHz	21MHz	21MHz	MPK (dB)	Time-avg (dB)		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	50	23.30	23.22	23.38	0	24		
		1	1	23.30	23.30	23.30	0	24		
		50	0	23.47	22.20	22.38	1	23		
		50	50	22.22	22.20	22.34	1	23		
	16QAM	100	0	22.34	22.20	22.23	1	23		
		1	50	22.64	22.48	22.58	1	23		
		1	99	22.47	22.36	22.55	1	23		
		50	0	21.52	21.20	21.20	2	22		
		50	25	21.41	21.20	21.52	2	22		
20M	64QAM	100	0	21.68	21.45	21.67	2	22		
		1	50	21.44	21.37	21.54	2	22		
		1	99	21.25	21.30	21.47	2	22		
		50	0	20.56	20.20	20.34	3	21		
		50	50	20.25	20.30	20.40	3	21		
	256QAM	100	0	20.38	20.20	20.37	3	21		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.52	18.35	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	50	23.30	23.22	23.38	0	24		
		1	1	23.30	23.30	23.30	0	24		
		50	0	23.47	22.20	22.38	1	23		
		50	50	22.22	22.20	22.34	1	23		
	16QAM	100	0	22.34	22.20	22.23	1	23		
		1	50	22.64	22.48	22.58	1	23		
		1	99	22.47	22.36	22.55	1	23		
		50	0	21.52	21.20	21.20	2	22		
		50	25	21.41	21.20	21.52	2	22		
20M	64QAM	100	0	21.68	21.45	21.67	2	22		
		1	50	21.44	21.37	21.54	2	22		
		1	99	21.25	21.30	21.47	2	22		
		50	0	20.56	20.20	20.34	3	21		
		50	50	20.25	20.30	20.40	3	21		
	256QAM	100	0	20.38	20.20	20.37	3	21		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.52	18.35	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	50	23.30	23.22	23.38	0	24		
		1	1	23.30	23.30	23.30	0	24		
		50	0	23.47	22.20	22.38	1	23		
		50	50	22.22	22.20	22.34	1	23		
	16QAM	100	0	22.34	22.20	22.23	1	23		
		1	50	22.64	22.48	22.58	1	23		
		1	99	22.47	22.36	22.55	1	23		
		50	0	21.52	21.20	21.20	2	22		
		50	25	21.41	21.20	21.52	2	22		
20M	64QAM	100	0	21.68	21.45	21.67	2	22		
		1	50	21.44	21.37	21.54	2	22		
		1	99	21.25	21.30	21.47	2	22		
		50	0	20.56	20.20	20.34	3	21		
		50	50	20.25	20.30	20.40	3	21		
	256QAM	100	0	20.38	20.20	20.37	3	21		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.52	18.35	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	50	23.30	23.22	23.38	0	24		
		1	1	23.30	23.30	23.30	0	24		
		50	0	23.47	22.20	22.38	1	23		
		50	50	22.22	22.20	22.34	1	23		
	16QAM	100	0	22.34	22.20	22.23	1	23		
		1	50	22.64	22.48	22.58	1	23		
		1	99	22.47	22.36	22.55	1	23		
		50	0	21.52	21.20	21.20	2	22		
		50	25	21.41	21.20	21.52	2	22		
20M	64QAM	100	0	21.68	21.45	21.67	2	22		
		1	50	21.44	21.37	21.54	2	22		
		1	99	21.25	21.30	21.47	2	22		
		50	0	20.56	20.20	20.34	3	21		
		50	50	20.25	20.30	20.40	3	21		
	256QAM	100	0	20.38	20.20	20.37	3	21		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.52	18.35	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		

LTE Band 12 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Max
		Channel	20MHz	21MHz	21MHz	21MHz	MPK (dB)	Time-avg (dB)		
20M	QPSK	1	0	23.63	23.27	23.16	0	24		
		1	24	23.85	23.87	23.82	0	24		
		1	49	23.95	23.94	23.90	0	24		
		25	0	21.81	21.84	22.01	1	23		
		25	25	22.05	22.07	22.00	1	23		
	16QAM	50	0	21.88	22.01	22.09	1	23		
		1	24	22.19	22.25	22.28	1	23		
		1	49	22.25	22.32	22.34	1	23		
		25	0	20.85	21.02	21.04	2	22		
		25	12	21.03	21.08	21.09	2	22		
20M	64QAM	100	0	21.13	21.16	21.18	2	22		
		1	24	21.04	21.20	21.20	2	22		
		1	49	21.08	21.15	21.15	2	22		
		25	0	19.85	20.00	19.98	3	21		
		25	12	20.01	20.10	20.12	3	21		
	256QAM	100	0	19.84	19.89	19.96	3	21		
		1	24	18.11	18.10	18.21	5	19		
		1	49	18.04	18.05	18.14	5	19		
		25	0	17.86	17.86	18.05	5	19		
		25	12	17.89	18.02	18.11	5	19		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	24	23.85	23.88	23.88	0	24		
		12	0	21.77	21.88	21.88	1	23		
		12	6	21.89	21.83	21.86	1	23		
		12	13	21.86	21.89	21.93	1	23		
	16QAM	25	0	21.83	21.83	21.84	1	23		
		1	0	22.25	22.09	22.18	1	23		
		1	12	22.04	22.10	22.10	1	23		
		1	24	22.05	22.13	22.13	1	23		
		12	0	20.87	21.00	21.01	2	22		
20M	64QAM	25	0	20.85	20.98	20.98	3	21		
		12	13	20.86	20.96	20.96	3	21		
		12	13	20.85	20.96	20.96	3	21		
		12	13	20.81	20.92	21.00	2	22		
		26	0	20.83	20.94	20.94	2	22		
	256QAM	1	0	19.84	19.84	19.84	5	19		
		1	24	19.11	19.09	19.20	5	19		
		1	49	18.94	18.95	18.14	5	19		
		12	0	17.86	17.86	18.05	5	19		
		12	13	17.89	18.02	18.11	5	19		
20M	QPSK	1	0	23.63	23.27	23.16	0	24		
		1	24	23.88	23.87	23.89	0	24		
		1	14	22.84	22.88	22.88	0	24		
		8	3	21.84	21.87	21.88	1	23		
		8	3	22.02	22.01	21.98	1	23		
	16QAM	15	0	21.87	21.88	22.00	1	23		
		1	0	22.25	22.12	22.18	1	23		
		1	14	22.01	22.13	22.27	1	23		
		8	3	21.84	21.88	21.93	1	23		
		8	7	21.84	21.88	21.93	1	23		
20M	64QAM	8	7	20.89	20.98	21.11	2	22		
		8	7	20.89	20.98	21.11	2	22		
		1	0	21.82	21.83	21.98	1	23		
		1	0	21.12	21.13	21.18	2	22		
		1	14	22.01	22.13	22.27	1	23		
	256QAM	1	14	19.08	19.08	19.18	5	19		
		1	0	19.82	19.85	19.97	5	19		
		1	14	19.08	19.08	19.18	5	19		
		1	7	18.87	18.98	19.18	5	19		
		1	14	17.93	18.04	18.30	5	19		
20M	QPSK	1	0	23.63	23.27	23.16	0	24		
		1	24	23.88	23.87	23.89	0	24		
		1	8	21.83	21.87	21.88	1	23		
		8	3	21.84	21.87	21.88	1	23		
		8	3	22.02	22.01	21.98	1	23		
	16QAM	15	0	21.87	21.88	22.00	1	23		
		1	0	22.25	22.12	22.18	1	23		
		1	14	22.01	22.13	22.27	1	23		
		8	7	21.84	21.88	21.93	1	23		
		8	7	21.84	21.88	21.93	1	23		
20M	64QAM	8	7	20.89	20.98	21.11	2	22		
		8	7	20.89	20.98	21.11	2	22		
		1	0	21.82	21.83	21.98	1	23		
		1	0	21.12	21.13	21.18	2	22		
		1	14	22.01	22.13	22.27	1	23		
	256QAM	1	14	19.08	19.08	19.18	5	19		
		1	0	19.82	19.85	19.97	5	19		
		1	14	19.08	19.08	19.18	5	19		
		1	7	18.87	18.98	19.18	5	19		
		1	14	17.93	18.04	18.30	5	19		
20M	QPSK	1	0	23.63	23.27	23.16	0	24		
		1	24	23.88	23.87	23.89	0	24		
		1	8	21.83	21.87	21.88	1	23		
		8	3	21.84	21.87	21.88	1	23		
		8	3	22.02	22.01	21.98	1	23		
	16QAM	15	0	21.87	21.88	22.00	1	23		
		1	0	22.25	22.12	22.18	1	23		
		1	14	22.01	22.13	22.27	1	23		
		8	7	21.84	21.88	21.93	1	23		
		8	7	21.84	21.88	21.93	1	23		
20M	64QAM	8	7	20.89	20.98	21.11	2	22		
		8	7	20.89	20.98	21.11	2	22		
		1	0	21.82	21.83	21.98	1	23		
		1	0	21.12	21.13	21.18	2	22		
		1	14	22.01	22.13	22.27	1	23		
	256QAM	1	14	19.08	19.08	19.18	5	19		
		1	0	19.82	19.85	19.97	5	19		
		1	14	19.08	19.08	19.18	5	19		
		1	7	18.87	18.98	19.18	5	19		
		1	14	17.93	18.04	18.30	5	19		
20M	QPSK	1	0	23.63	23.27	23.16	0	24		
		1	24	23.88	23.87	23.89	0	24		
		1	8	21.83	21.87	21.88	1	23		
		8	3	21.84	21.87	21.88	1	23		
		8	3	22.02	22.01	21.98	1	23		
	16QAM	15	0	21.87	21.88	22.00	1	23		
		1	0	22.25	22.12	22.18	1	23		
		1	14	22.01	22.13	22.27	1	23		
		8	7	21.84	21.88	21.93	1	23		
		8	7	21.84	21.88	21.93	1	23		
20M	64QAM	8	7	20.89	20.98	21.11	2	22		
		8	7	20.89	20.98	21.11	2	22		
		1	0	21.82	21.83	21.98	1	23		
		1	0	21.12	21.13	21.18	2	22		
		1	14	22.01	22.13	22.27	1	23		
	256QAM	1	14	19.08	19.08	19.18	5	19		
		1	0	19.82	19.85	19.97	5	19		
		1	14	19.08	19.08	19.18	5	19		
		1	7	18.87	18.98	19.18	5	19		
		1	14	17.93	18.04	18.30	5	19		

LTE Band 14 (Axi0)									
BW	Modulation	RB Size	RB Offset	Mid	SDFP	Max.	Turnup	MPP	Max.
		Channel	Channel	2352					
795									
Frequency (MHz)									
10M	QPSK	1	0	23.53	0	24			
		1	24	23.46	0	24			
		1	49	23.42	0	24			
		25	0	22.45	1	23			
		25	25	22.39	1	23			
	16QAM	50	0	22.45	1	23			
		1	54	22.67	1	23			
		1	49	22.59	1	23			
		25	0	21.52	2	22			
		25	25	21.40	2	22			
20M	QPSK	1	0	21.73	2	22			
		1	24	21.70	2	22			
		1	49	21.64	2	22			
		25	0	20.52	3	21			
		25	25	20.44	3	21			
	16QAM	50	0	20.43	3	21			
		1	54	20.59	3	21			
		1	49	20.50	3	21			
		25	0	19.53	5	19			
		25	25	19.48	5	19			
40M	QPSK	1	0	18.59	5	19			
		1	49	18.50	5	19			
		25	0	16.53	5	19			
		25	25	16.48	5	19			
		50	0	16.59	5	19			
	16QAM	100	0	16.46	5	19			
		1	104	16.62	5	19			
		1	99	16.53	5	19			
		25	0	15.52	7	20			
		25	25	15.45	7	20			

LTE Band 26 (Axi0)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	NPR	BWP	Res.	Tuning
		Channel	Channel	2340	2340	2340					
10M	QPSK	1	0	23.77	23.52	23.40	0	24			
		1	50	23.75	23.46	23.41	0	24			
		1	99	23.75	23.42	23.40	0	24			
		50	0	22.81	22.72	22.64	1	23			
		50	50	22.77	22.65	22.46	1	23			
	16QAM	100	0	22.78	22.67	22.47	1	23			
		1	104	22.74	22.60	22.39	1	23			
		1	99	22.67	22.57	22.34	1	23			
		1	99	22.60	22.73	22.53	1	23			
		50	0	21.76	21.60	21.44	2	22			
20M	QPSK	1	0	21.84	21.66	21.65	2	22			
		1	50	21.80	21.77	21.66	2	22			
		1	99	21.87	21.85	21.82	2	22			
		50	0	20.86	20.76	20.68	3	21			
		50	50	20.85	20.74	20.51	3	21			
	16QAM	100	0	20.83	20.69	20.52	3	21			
		1	104	20.74	20.59	20.34	3	21			
		1	99	20.67	20.55	20.34	3	21			
		1	99	20.67	20.75	20.74	3	21			
		50	0	19.86	19.73	19.71	5	19			
40M	QPSK	1	0	18.85	18.65	18.69	5	19			
		1	99	18.87	18.75	18.74	5	19			
		50	0	16.86	16.73	16.71	5	19			
		50	25	16.73	16.64	16.69	5	19			
		50	50	16.85	16.86	16.84	5	19			
	16QAM	100	0	16.88	16.80	16.82	5	19			
		1	104	16.76	16.61	16.36	5	19			
		1	99	16.69	16.59	16.59	5	19			
		1	99	16.69	16.76	16.76	5	19			
		50	0	15.85	15.86	15.84	5	19			
80M	QPSK	1	0	15.87	15.65	15.67	5	19			
		1	99	15.88	15.73	15.73	5	19			
		50	0	14.87	14.73	14.73	5	19			
		50	25	14.73	14.64	14.69	5	19			
		50	50	14.86	14.85	14.83	5	19			
	16QAM	100	0	14.88	14.80	14.82	5	19			
		1	104	14.76	14.61	14.36	5	19			
		1	99	14.69	14.59	14.59	5	19			
		1	99	14.69	14.76	14.76	5	19			
		50	0	13.85	13.86	13.84	5	19			
160M	QPSK	1	0	13.87	13.65	13.67	5	19			
		1	99	13.88	13.73	13.73	5	19			
		50	0	12.87	12.73	12.73	5	19			
		50	25	12.73	12.64	12.69	5	19			
		50	50	12.86	12.85	12.83	5	19			
	16QAM	100	0	12.88	12.80	12.82	5	19			
		1	104	12.76	12.61	12.36	5	19			
		1	99	12.69	12.59	12.59	5	19			
		1	99	12.69	12.76	12.76	5	19			
		50	0	11.85	11.86	11.84	5	19			

LTE Band 26 for FCC (Axi0)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	Max. Turnup		
		Channel	Channel	2340	2340	2340				
10M	QPSK	1	0	22.96	22.94	23.13	0	24		
		1	37	22.92	22.92	23.27	0	24		
		1	74	22.98	22.92	23.27	0	24		
		36	0	21.99	22.01	22.25	1	23		
		36	36	21.97	22.13	22.39	1	23		
	16QAM	72	0	22.01	22.15	22.39	1	23		
		1	37	22.97	22.97	23.32	1	23		
		1	74	22.92	22.95	22.98	1	23		
		36	0	20.96	21.00	21.38	2	22		
		36	36	20.93	21.25	21.48	2	22		
20M	QPSK	1	0	21.96	21.98	21.94	2	22		
		1	37	21.95	21.91	21.44	2	22		
		1	74	21.98	21.97	21.45	2	22		
		36	0	19.96	20.06	20.33	3	21		
		36	36	19.95	20.19	20.39	3	21		
	16QAM	72	0	20.00	20.14	20.46	3	21		
		1	37	21.94	21.93	21.37	3	21		
		1	74	21.97	21.94	21.37	3	21		
		36	0	18.97	18.43	18.50	5	19		
		36	36	18.96	18.61	18.57	5	19		
40M	QPSK	1	0	17.94	18.13	18.37	5	19		
		1	74	18.07	18.43	18.50	5	19		
		36	0	17.01	16.98	16.33	5	19		
		36	36	17.06	16.61	16.57	5	19		
		72	0	16.02	16.10	16.46	5	19		
	16QAM	144	0	16.02	16.10	16.46	5	19		
		1	144	16.02	16.10	16.46	5	19		
		1	144	16.02	16.10	16.46	5	19		
		36	0	15.02	15.02	15.35	5	19		
		36	36	15.02	15.35	15.35	5	19		
80M	QPSK	1	0	15.02	15.02	15.35	5	19		
		1	144	15.02	15.02	15.35	5	19		
		1	144	15.02	15.02	15.35	5	19		
		36	0	14.02	14.02	14.35	5	19		
		36	36	14.02	14.35	14.35	5	19		
	16QAM	288	0	14.02	14.02	14.35	5	19		
		1	288	14.02	14.02	14.35	5	19		
		1	288	14.02	14.02	14.35	5	19		
		36	0	13.02	13.02	13.35	5	19		
		36	36	13.02	13.35	13.35	5	19		
160M	QPSK	1	0	13.02	13.02	13.35	5	19		
		1	288	13.02	13.02	13.35	5	19		
		1	288	13.02	13.02	13.35	5	19		
		36	0	12.02	12.02	12.35	5	19		
		36	36	12.02	12.35	12.35	5	19		
	16QAM	576	0	12.02	12.02	12.35	5	19		
		1	576	12.02	12.02	12.35	5	19		
		1	576	12.02	12.02	12.35	5	19		
		36	0	11.02	11.02	11.35	5	19		
		36	36	11.02	11.35	11.35	5	19		
320M	QPSK	1	0	11.02	11.02	11.35	5	19		
		1	576	11.02	11.02	11.35	5	19		
		1	576	11.02	11.02	11.35	5	19		
		36	0	10.02	10.02	10.35	5	19		
		36	36	10.02	10.35	10.35	5	19		
	16QAM	1152	0	10.02	10.02	10.35	5	19		
		1	1152	10.02	10.02	10.35	5	19		
		1	1152	10.02	10.02	10.35	5	19		
		36	0	9.02	9.02	9.35	5	19		
		36	36	9.02	9.35	9.35	5	19		
640M	QPSK	1	0	9.02	9.02	9.35	5	19		
		1	1152	9.02	9.02	9.35	5	19		
		1	1152	9.02	9.02	9.35	5	19		
		36	0	8.02	8.02	8.35	5	19		
		36	36	8.02	8.35	8.35	5	19		
	16QAM	2304	0	8.02	8.02	8.35	5	19		
		1	2304	8.02	8.02	8.35	5	19		
		1	2304	8.02	8.02	8.35	5	19		
		36	0	7.02	7.02	7.35	5	19		
		36	36	7.02	7.35	7.35	5	19		

BW	Modulation	Channel	2355	2355	2355	SDFP	Max.	Turnup	MPP
		Frequency (MHz)	785.5	785.5	785.5				
10M	QPSK	1	12	23.38	23.38	0	24		
		1	24	23.35	23.33	0	24		
		12	0	22.38	22.41	1	23		
		12	6	22.23	22.38	22.24	1	23	
		12	13	22.18	22.28	22.20	1	23	
	16QAM	24	0	22.37	22.32	22.30	1	23	
		1	0	22.48	22.58	22.45	1	23	
		1	12	22.58	22.60	22.57	1	23	
		12	0	21.50	21.54	21.50	2	22	
		12	13	21.33	21.37	21.35	2	22	
20M	QPSK	1	12	21.53	21.58	21.57	2	22	
		1	24	21.50	21.63	21.49	2	22	
		12	0	20.53	20.53	20.47	3	21	
		12	6	20.38	20.44	20.38	3	21	
		12	13	20.23	20.31	20.18	3	21	
	16QAM	24	0	20.52	20.41	20.30	3	21	
		1	0	19.46	19.53	19.43	5	19	
		1	12	19.47	19.47	19.46	5	19	
		12	0	18.51	18.43	18.41	5	19	
		12	13	18.35	18.36	18.38	5	19	
40M	QPSK	1	12	18.52	18.58	18.54	5	19	
		1	24	18.45	18.49	18.34	5	19	
		12	0	16.51	16.43	16.41	5	19	
		12	13	16.35	16.38	16.34	5	19	
		24	0	16.52	16.46	16.37	5	19	
	16QAM	48	0	16.52	16.46	16.37	5	19	
		1	12	16.53	16.58	16.50	5	19	
		1	24	16.51	16.58	16.50	5	19	
		12	0	15.54	15.45	15.43	5	19	
		24	0	15.54	15.45	15.43	5	19	

QPSK	10M	BW	Modulation	Channel	2355	2355	2355	2355	SDFP	Max. Turnup
				Frequency (MHz)	1885.5	1885.5	1885.5	1885.5	(dB)	(dB)
				1	0	23.76	23.50	23.50	0	24
				1	24	23.69	23.54	23.41	0	24
				1	49	23.62	23.55	23.15	0	24
				25	0	22.74	22.60	22.59	1	23
				25	12	23.27	23.14	22.43	1	23
				25	25	22.68	22.38	22.42	1	23
				50	0	22.64	22.52	22.34	1	23
				50	25	22.68	22.71	22.42	1	23
QPSK	10M	10M	QPSK	1	24	22.76	22.64	22.42	1	23
				1	49	22.72	22.58	22.44	1	23
				25	12	23.17	23.04	22.81	1	23
				25	12	21.86	21.64	21.31	2	22
				25	25	21.44	21.31	21.13	2	22
				50	0	21.30	21.17	21.01	2	22
				1	0	21.30	21.18	21.01	2	22
				24	24	21.26	21.14	21.06	2	22
				1	49	21.14	21.09	21.53	2	22
				25	0	20.81	20.64	20.58	3	21
QPSK	60M	60M	QPSK	25	25	20.89	20.68	20.45	3	21
				25	25	20.59	20.49	20.44	3	21
				50	0	20.56	20.47	20.40	3	21
				0	0	19.75	19.72	19.79	3	21
				1	24	18.71	18.74	18.62	5	19
				1	49	18.61	18.69	18.60	5	19
				25	0	18.76	18.69	18.62	5	19
				25	12	18.71	18.68	18.59	5	19
				25	25	18.61	18.45	18.45	5	19
				50	0	18.54	18.48	18.43	5	19
QPSK	250M	250M	QPSK	Channel	2355	2355	2355	2355	SDFP	Max. Turnup
				Frequency (MHz)	1885.5	1885.5	1885.5	1885.5	(dB)	(dB)
				1	0	23.67	23.50	23.50	0	24
				1	12	23.72	23.55	23.30	0	24
				1	24	23.68	23.54	23.40	0	24
				12	0	22.70	22.60	22.52	1	23
				12	13	22.85	22.74	22.59	1	23
				12	13	22.76	22.63	22.38	1	23
				25	0	22.75	22.62	22.38	1	23
				25	12	22.78	22.63	22.38	1	23
QPSK	10M	10M	QPSK	1	12	22.72	22.64	22.48	1	23
				1	24	22.84	22.59	22.48	1	23
				12	12	21.71	21.64	21.37	2	22
				12	18	21.72	21.62	21.52	2	22
				12	13	21.48	21.38	21.28	2	22
				25	13	21.39	21.31	21.20	2	22
				1	0	21.77	21.79	21.71	2	22
				1	12	21.65	21.60	21.60	2	22
				12	0	21.36	21.31	21.03	2	22
				12	0	20.80	20.67	20.66	3	21
QPSK	60M	60M	QPSK	25	12	20.82	20.62	20.42	3	21
				25	0	20.62	20.52	20.42	3	21
				12	13	20.80	20.39	20.44	3	21
				25	0	20.57	20.54	20.44	3	21
				1	12	18.68	18.74	18.72	5	19
				1	12	18.64	18.68	18.44	5	19
				1	24	18.76	18.74	18.61	5	19
				12	18	18.68	18.68	18.51	5	19
				12	6	18.74	18.54	18.54	5	19
				25	12	18.61	18.45	18.45	5	19
QPSK	250M	250M	QPSK	25	0	18.60	18.45	18.42	5	19
				Channel	2355	2355	2355	2355	SDFP	Max. Turnup
				Frequency (MHz)	1885.5	1885.5	1885.5	1885.5	(dB)	(dB)
				1	7	23.77	23.52	23.35	0	24
				1	12	23.72	23.52	23.35	0	24
				1	24	23.67	23.52	23.35	0	24
				12	0	22.70	22.60	22.52	1	23
				12	13	22.85	22.74	22.59	1	23
				25	0	22.75	22.62	22.38	1	23
				25	12	22.78	22.63	22.38	1	23

LTE Band 26 for RF (Ant)										
BW	MCS Index	RB Size	RB Offset	Mid	SPP MPR (dB)	Max. Time-upt. (MHz)				
		Channel	2510	2510			2510			
Frequency (MHz)										
GSM	QPSK	1	0	22.98	0.24	0	24			
		1	24	22.98	0.24	0	24			
		1	48	22.98	0.24	0	24			
		25	0	22.95	1	23				
		25	25	22.92	1	23				
		35	0	21.09	1	23				
		35	0	21.09	1	23				
		1	24	22.33	1	23				
		1	48	22.30	1	23				
		25	25	21.11	2	22				
10M	16QAM	1	0	21.09	2	22				
		1	24	21.21	2	22				
		1	48	21.16	2	22				
		25	0	20.95	0	21				
		25	25	20.97	0	21				
		35	0	20.08	0	21				
		35	0	20.08	0	21				
		1	24	18.30	5	19				
		1	48	18.23	5	19				
		25	25	18.06	5	19				
20M	256QAM	1	0	18.11	5	19				
		1	24	18.20	5	19				
		1	48	18.23	5	19				
		25	0	18.06	5	19				
		25	25	18.06	5	19				
		35	0	18.08	5	19				
		35	0	18.11	5	19				
		1	24	18.20	5	19				
		1	48	18.23	5	19				
		25	25	18.06	5	19				
BW	MCS Index	Channel	2510	2510	2510	SPP MPR (dB)	Max. Time-upt. (MHz)			
Frequency (MHz)										
GSM	QPSK	1	0	22.88	22.81	22.81	0	24		
		1	12	22.98	22.98	22.98	0	24		
		1	24	22.92	22.92	22.92	0	24		
		12	0	21.04	21.01	21.01	1	23		
		12	6	21.08	21.01	21.01	1	23		
		12	12	21.00	21.00	21.01	1	23		
		25	0	21.08	21.04	21.07	1	23		
		1	0	22.11	22.14	22.14	1	23		
		1	12	22.20	22.22	22.28	1	23		
		1	24	22.19	22.19	22.07	1	23		
10M	16QAM	12	0	20.97	20.99	20.94	2	22		
		12	6	21.05	20.97	20.98	2	22		
		12	12	21.07	21.05	21.05	2	22		
		25	0	21.00	21.00	21.01	2	22		
		1	0	21.13	21.07	21.01	2	22		
		1	12	21.02	21.05	21.05	2	22		
		1	24	21.08	21.10	21.05	2	22		
		12	0	20.94	20.96	20.96	3	21		
		12	12	20.99	20.91	20.91	3	21		
		25	0	19.91	20.04	20.03	3	21		
20M	256QAM	1	0	18.09	18.04	18.04	5	19		
		1	12	18.09	18.04	18.04	5	19		
		1	24	18.09	18.15	18.14	5	19		
		12	0	17.99	18.00	18.06	5	19		
		12	6	18.00	18.00	18.06	5	19		
		12	12	18.05	18.06	17.98	5	19		
		25	0	18.08	18.08	18.04	5	19		
		25	0	18.08	18.08	18.04	5	19		
		1	24	18.08	18.10	18.04	5	19		
		12	12	18.05	18.05	18.04	5	19		
BW	MCS Index	Channel	2510	2510	2510	SPP MPR (dB)	Max. Time-upt. (MHz)			
Frequency (MHz)										
GSM	QPSK	1	0	22.87	22.81	22.81	0	24		
		1	7	22.98	22.86	22.89	0	24		
		1	14	22.88	22.88	22.82	0	24		
		8	0	21.07	21.07	21.09	1	23		
		8	3	21.08	21.06	21.88	1	23		
		8	7	22.00	21.99	21.98	1	23		
		15	0	21.89	21.87	21.83	1	23		
		1	2	22.12	22.14	22.18	1	23		
		1	7	22.27	22.20	22.18	1	23		
		1	14	22.11	22.09	22.08	2	22		
10M	16QAM	8	0	20.99	21.04	21.06	2	22		
		8	3	21.04	20.91	20.95	2	22		
		8	7	21.02	21.06	21.04	2	22		
		15	0	21.09	21.04	21.08	2	22		
		1	0	21.12	21.11	21.11	2	22		
		1	2	21.07	21.02	21.02	2	22		
		1	14	21.14	21.05	21.12	2	22		
		8	0	19.99	19.95	19.90	3	21		
		8	3	19.96	19.98	19.98	3	21		
		8	7	20.02	19.95	20.01	3	21		
20M	256QAM	15	0	18.05	18.07	18.09	5	19		
		1	0	18.06	18.12	18.12	5	19		
		1	7	18.09	18.17	18.07	5	19		
		1	14	18.20	18.19	18.20	5	19		
		8	0	18.01	17.95	17.95	5	19		
		8	3	17.97	17.99	17.92	5	19		
		8	7	18.04	18.02	18.02	5	19		
		15	0	17.99	18.05	18.00	5	19		
		1	0	18.08	18.08	18.08	5	19		
		1	2	18.05	18.10	18.05	5	19		

LTE Band 26 for IC (Ant)												
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SPP MPR (dB)	Max. Time-upt. (MHz)				
		Channel	2585	2585	2585	2585				MPR (dB)		
GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24			
		1	0	22.94	22.93	23.13	0	24				
		1	37	23.02	23.13	23.27	0	24				
		1	74	23.15	23.26	23.39	23.51	0	24			
		36	0	22.01	22.11	22.25	1	23				
		36	36	22.13	22.28	22.38	22.50	1	23			
		36	36	22.18	22.30	22.42	2	23				
		75	0	22.15	22.23	22.29	22.39	1	23			
		36	0	22.17	22.27	22.37	22.47	1	23			
		1	37	22.27	22.35	22.52	1	23				
10M	16QAM	1	14	22.29	22.38	22.58	1	23				
		36	0	21.02	21.10	21.31	2	22				
		36	36	21.14	21.16	21.38	2	22				
		36	36	21.23	21.33	21.45	2	22				
		75	0	21.09	21.15	21.27	0	22				
		1	0	21.08	21.17	21.24	2	22				
		1	37	21.19	21.20	21.44	2	22				
		1	74	21.17	21.22	21.45	2	22				
		36	0	20.08	20.11	20.20	0	21				
		36	0	20.19	20.20	20.39	0	21				
20M	256QAM	36	36	20.14	20.23	20.48	3	21				
		75	0	20.12	20.21	20.37	3	21				
		1	0	18.11	18.09	18.21	5	19				
		1	37	18.13	18.25	18.37	5	19				
		1	74	18.43	18.54	18.59	5	19				
		36	0	18.08	18.10	18.31	5	19				
		36	36	18.04	18.24	18.37	5	19				
		36	36	18.10	18.39	18.45	5	19				
		75	0	18.10	18.19	18.35	5	19				
		1	0	21.08	21.13	21.34	2	22				
GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24			
		1	0	22.94	22.93	23.13	0	24				
		1	24	22.84	22.88	23.25	0	24				
		1	48	23.01	23.14	23.28	0	24				
		25	0	21.02	21.09	21.21	1	23				
		25	12	22.09	22.23	22.33	1	23				
		25	25	22.05	22.18	22.27	1	23				
		35	0	21.12	21.21	21.36	1	23				
		1	0	22.07	22.14	22.30	1	23				
		1	24	22.28	22.30	22.44	1	23				
10M	16QAM	1	48	22.18	22.25	22.51	1	23				
		25	0	20.99	21.08	21.16	2	22				
		25	12	21.09	21.10	21.31	2	22				
		25	25	21.22	21.29	21.38	2	22				
		35	0	21.08	21.13	21.34	2	22				
		1	0	21.13	21.07	21.28	2	22				
		1	24	21.03	21.11	21.42	2	22				
		1	48	21.08	21.22	21.34	2	22				
		25	0	19.07	19.07	19.28	3	21				
		25	12	20.07	20.14	20.27	3	21				
20M	256QAM	25	25	20.23	20.37	20.47	3	21				
		50	0	18.08	18.09	18.30	5	21				
		1	0	16.03	16.01	16.10	5	19				
		1	24	15.98	15.97	16.10	5	19				
		1	48	16.33	16.40	16.41	5	19				
		36	0	16.08	16.10	16.31	5	19				
		35	12	17.03	17.12	17.29	5	19				
		25	25	16.01	16.33	16.35	5	19				
		35	0	16.16	16.31	16.31	5	19				
		GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24	
1	0			22.94	22.93	23.13	0	24				
1	24			22.84	22.88	23.26	0	24				
1	48			23.01	23.13	23.27	0	24				
12	8			22.03	22.21	22.28	1	23				
12	13			22.12	22.24	22.33	1	23				
12	18			22.01	22.19	22.33	1	23				
1	0			22.02	22.10	22.34	1	23				
1	12			22.25	22.26	22.49	1	23				
1	24			22.28	22.29	22.54	1	23				
10M	16QAM	12	0	20.92	20.98	21.17	2	22				
		12	8	21.04	21.07	21.27	2	22				
		12	13	21.06	21.24	21.37	2	22				
		25	0	21.05	21.10	21.29	2	22				
		25	8	21.06	21.22	21.35	2	22				
		1	12	21.01	21.18	21.30	2	22				
		1	24	21.07	21.25	21.27	2	22				
		12	0	19.00	19.16	19.22	2	21				
		12	8	19.10	19.22	19.38	3	21				
		12	13	19.10	19.20	19.34	3	21				
20M	256QAM	12	0	18.10	18.02	18.12	5	19				
		12	8	18.13	18.24	18.26	5	19				
		1	24	18.33	18.52	18.56	5	19				
		12	0	17.98	17.98	18.23	5	19				
		12	8	18.02	18.15	18.15	5	19				
		12	13	17.99	18.28	18.31	5	19				
		25	0	16.17	16.15	16.26	5	19				
		GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24	
				1	0	22.90	22.81	23.03	0	24		
				1	24	22.81	22.87	23.24	0	24		
1	14			23.05	23.17	23.30	0	24				
8	0			21.86	22.04	22.10	1	23				
8	7			22.15	22.19	22.41	1	23				
10	0			20.00	20.21	20.28	1	23				
10	7			20.15	20.29	20.34	1	23				
1	7			22.22	22.34	22.50	1	23				
1	14			22.26	22.34	22.54	1	23				
10M	16QAM	8	0	21.02	21.12	21.18	2	22				
		8	3	21.05	21.04	21.28	2	22				
		2	0	21.03	21.10	21.33	2	22				
		10	0	21.05	21.18	21.19	2	22				
		10	3	21.08	21.17	21.32	2	22				
		1	14	21.08	21.21	21.29	2	22				
		8	0	19.99	20.09	20.26	3	21				
		8	7	20.15	20.24	20.39	3	21				
		1	0	18.10	18.03	18.14	5	19				
		1	7	18.07	18.15	18.31	5	19				
20M	256QAM	1	14	18.17	18.40	18.46	5	19				
		8	0	18.07	18.03	18.29	5	19				
		8	3	17.97	18.03	18.33	5	19				
		10	0	18.07	18.21	18.27	5	19				
		10	3	18.16	18.21	18.32	5	19				
		1	0	16.17	16.15	16.32	5	19				
		GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24	
				1	0	22.94	22.93	23.09	0	24		
				1	2	23.00	23.09	23.21	0	24		
				1	0	22.83	22.87	23.07	0	24		
3	1			22.89	22.94	23.17	0	24				
3	0			22.99	23.05	23.24	0	24				
3	0			22.03	22.27	22.38	1	23				
3	0			22.07	22.16	22.25	1	23				
3	1			22.24	22.31	22.41	1	23				
1	5			22.15	22.28	22.38	1	23				
10M	16QAM	3	0	21.02	21.12	21.25	2	22				
		3	1	22.12	22.17	22.36	1	23				
		3	3	22.11	22.27	22.35	1	23				
		3	0	21.18	21.23	21.44	2	22				
		3	0	21.08	21.10	21.15	2	22				
		3	2	21.05	21.15	21.27	2	22				
		3	1	21.15	21.25	21.35	2	22				
		3	0	20.07	20.18	20.28	2	21				
		3	1	20.18	20.24	20.41	3	21				
		3	1	20.07	20.16	20.28	3	21				
20M	256QAM	3	1	18.02	18.04	18.10	5	19				
		1	2	18.09	18.22	18.27	5	19				
		1	5	18.32	18.43	18.45	5	19				
		3	1	17.93	18.10	18.17	5	19				
		3	1	17.87	18.10	18.24	5	19				
		2	3	18.01	18.33	18.36	5	19				
		3	0	16.08	16.24	16.31	5	19				
		3	1	16.17	16.31	16.32	5	19				
		GSM	QPSK	Frequency (MHz)	2585	2585	2585	2585	2585	0	24	
				1	0	22.94	22.93	23.09	0	24		
1	2			23.00	23.09	23.21	0	24				
1	0			22.83	22.87	23.07	0	24				
3	1			22.89	22.94	23.17	0	24				
3	0			22.99	23.05	23.24	0	24				
3	0			22.03	22.27	22.38	1	23				
3	0			22.07	22.16	22.25	1	23				
3	1			22.24	22.31	22.41	1	23				
1	5			22.15	22.28	22.38	1	23				
10M	16QAM	3	0	21.02	21.12	21.25	2	22				
		3	1	22.12	22.17	22.36	1	23				
		3	3	22.11	22.27	22.35	1	23				
		3	0	21.18	21.23	21.44	2	22				
		3	0	21.08	21.10	21.15	2	22				
		3	2	21.05	21.15	21.27	2	22				
		3	1	21.15	21.25	21.35	2	22				
		3	0	20.07	20.18	20.28	2	21				
		3	1	20.18	20.24	20.41	3	21				
		3	1	20.07	20.16	20.28	3	21				
20M	256QAM	3	1	18.02	18.04	18.10	5	19				
		1	2	18.09	18.22	18.27	5	19				
		1	5	18.32	18.43	18.45	5	19				
		3	1	17.93	18.10	18.17	5	19				
		3	1	17.87	18.10	18.24	5	19				
		2	3	18.01	18.33	18.36	5	19				
		3	0	16.08	16.24	16.31	5	19				
		3	1	16.17	16.31	16.32	5	19				

LTE Band 38 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max.	Turn-off
		Channel	2500	2800	3100	3400	MHz	Time	
CPXK		Frequency (MHz)	2800	2800	2800	2800	2800	2800	
		1	0	23.95	23.95	23.93	0	24.5	
		1	50	23.92	23.93	23.93	0	24.5	
		1	100	23.93	23.93	23.93	0	24.5	
		50	0	23.90	23.97	23.91	1	23.5	
		50	50	23.94	23.97	23.92	1	23.5	
		50	100	23.95	23.97	23.92	1	23.5	
		100	0	23.89	23.92	23.93	1	23.5	
		100	50	23.91	23.93	23.93	1	23.5	
		1	50	23.92	23.93	23.93	1	23.5	
H24M		1	50	23.71	23.62	23.66	1	23.5	
		50	0	23.80	23.65	23.63	1	23.5	
		50	25	21.56	21.67	21.63	2	22.5	
		50	50	21.58	21.61	21.65	2	22.5	
		100	0	21.69	21.65	21.68	2	22.5	
		1	0	20.92	22.11	21.80	2	22.5	
		1	50	22.04	22.02	21.95	2	22.5	
		1	100	22.03	21.95	21.84	2	22.5	
		50	0	21.04	20.98	20.92	3	21.5	
		50	25	20.95	20.98	20.97	3	21.5	
S40M		50	50	20.97	20.97	20.97	3	21.5	
		100	0	20.89	20.86	20.88	3	21.5	
		1	50	18.81	18.80	18.80	5	18.5	
		1	50	18.86	18.82	18.83	5	18.5	
		1	50	18.80	18.86	18.77	5	18.5	
		50	0	18.82	18.86	18.86	5	18.5	
		50	25	18.86	18.86	18.78	5	18.5	
		50	50	18.81	18.79	18.78	5	18.5	
		100	0	18.83	18.83	18.83	5	18.5	
		100	50	18.83	18.83	18.83	5	18.5	

LTE Band 41 (2496 – 2600MHz) PC2 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Turn-off
		Channel	2500	2800	3100	3400	3700	4000	
CPXK		Frequency (MHz)	2800	2800	2800	2800	2800	2800	
		1	0	22.24	22.43	22.46	22.21	22.88	
		1	50	22.19	22.40	22.36	22.13	22.50	
		1	100	22.13	22.34	22.29	22.10	22.40	
		50	0	21.26	21.47	21.51	21.21	21.62	
		50	50	21.27	21.47	21.36	21.30	21.60	
		50	100	21.27	21.47	21.38	21.28	21.58	
		100	0	21.25	21.40	21.38	21.28	21.58	
		100	50	21.25	21.40	21.38	21.28	21.58	
		1	50	21.17	21.39	21.36	21.10	21.57	
H24M		1	50	21.08	21.28	21.30	21.23	21.44	
		50	0	20.22	20.43	20.51	20.18	20.61	
		50	25	20.29	20.47	20.43	20.26	20.68	
		50	50	20.25	20.41	20.36	20.24	20.63	
		100	0	20.26	20.29	20.50	20.27	20.60	
		1	0	19.32	20.46	20.33	19.36	20.69	
		1	50	20.39	20.40	20.45	20.32	20.61	
		1	100	20.39	20.40	20.38	20.27	20.68	
		50	0	19.21	19.40	19.51	19.16	19.59	
		50	25	19.47	19.52	19.44	19.25	19.64	
S40M		50	50	19.22	19.47	19.36	19.20	19.65	
		100	0	19.25	19.39	19.36	19.26	19.56	
		1	50	17.27	17.44	17.44	17.18	17.49	
		1	50	17.23	17.38	17.27	17.28	17.58	
		50	0	17.24	17.42	17.46	17.23	17.63	
		50	25	17.31	17.32	17.46	17.30	17.72	
		50	50	17.26	17.30	17.39	17.25	17.68	
		100	0	17.32	17.43	17.42	17.31	17.61	
		100	50	17.32	17.43	17.42	17.31	17.61	
		1	50	15.27	15.39	15.40	15.20	15.52	

LTE Band 41 (2496 – 2600MHz) PC2 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	Turn-off
		Channel	2500	2800	3100	3400	3700	4000	
CPXK		Frequency (MHz)	2800	2800	2800	2800	2800	2800	
		1	0	24.79	24.78	24.85	24.50	25.78	
		1	50	24.79	24.75	24.83	24.41	25.08	
		1	100	24.87	24.85	24.78	24.52	25.74	
		50	0	23.89	23.81	24.01	23.63	24.18	
		50	50	23.88	23.84	23.72	23.68	24.17	
		50	100	23.89	23.88	23.86	23.68	24.25	
		100	0	23.81	23.80	23.91	23.71	24.19	
		100	50	23.81	23.81	23.89	23.68	24.27	
		1	50	24.02	24.09	24.04	23.83	24.38	
H24M		1	50	23.98	24.02	24.00	23.97	24.41	
		50	0	22.95	22.95	23.00	22.82	23.08	
		50	25	22.98	22.92	22.94	22.80	23.28	
		50	50	22.91	22.87	22.88	22.75	23.28	
		100	0	22.94	22.79	22.91	22.71	23.18	
		1	0	22.22	23.18	23.28	23.15	23.59	
		1	50	23.19	23.18	23.24	23.09	23.51	
		1	100	23.05	23.05	23.12	23.00	23.41	
		50	0	21.88	21.89	21.98	21.83	22.21	
		50	25	21.87	21.88	21.83	21.73	22.24	
S40M		50	50	21.82	21.84	21.84	21.73	22.24	
		100	0	21.85	21.82	21.89	21.72	22.20	
		1	50	19.80	20.12	20.10	19.83	20.48	
		1	50	19.82	20.04	20.03	19.86	20.48	
		50	0	19.86	19.85	19.86	19.70	20.29	
		50	25	19.81	19.82	19.86	19.81	20.38	
		50	50	19.89	19.87	19.84	19.80	20.31	
		100	0	19.86	19.87	19.88	19.87	20.27	
		100	50	19.86	19.87	19.88	19.87	20.27	
		1	50	17.37	17.31	17.35	17.24	17.52	

LTE Band 42 Part270 (Ant7)																
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP	Max. Turn-up	MCS	MCS	MCS	Max. Turn-up				
		Channel	4200	4200	4200	4200	MPE	Turn-up								
		Frequency (MHz)	3600	3600	3600	3600		3600					3600	3600	3600	3600
20M	QPSK	1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								
		50	0	21.64	21.70	21.76	2	22.5								
		50	50	21.62	21.67	21.67	2	22.5								
20M	16QAM	1	0	21.58	21.72	21.71	2	22.5								
		1	50	21.48	21.84	21.81	2	22.5								
		1	99	21.43	21.71	21.52	2	22.5								
		50	0	20.66	20.61	20.69	3	21.5								
		50	50	20.59	20.74	20.73	3	21.5								
		100	0	20.63	20.63	20.69	3	21.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
20M	28QAM	1	0	18.90	18.94	18.94	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.90	18.94	18.94	5	19.5								
20M	64QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	256QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	MCS Index	Channel	4200	4200	4200	4200	3GPP	Max. Turn-up								
		Frequency (MHz)	3600	3600	3600	3600	MPE	Turn-up								
		1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								
20M	QPSK	1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								
		50	0	21.64	21.70	21.76	2	22.5								
		50	50	21.62	21.67	21.67	2	22.5								
20M	16QAM	1	0	21.58	21.72	21.71	2	22.5								
		1	50	21.48	21.84	21.81	2	22.5								
		1	99	21.43	21.71	21.52	2	22.5								
		50	0	20.66	20.61	20.69	3	21.5								
		50	50	20.59	20.74	20.73	3	21.5								
		100	0	20.63	20.63	20.69	3	21.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
20M	28QAM	1	0	18.90	18.94	18.94	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.90	18.94	18.94	5	19.5								
20M	64QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	256QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	MCS Index	Channel	4200	4200	4200	4200	3GPP	Max. Turn-up								
		Frequency (MHz)	3600	3600	3600	3600	MPE	Turn-up								
		1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								
20M	QPSK	1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								
		50	0	21.64	21.70	21.76	2	22.5								
		50	50	21.62	21.67	21.67	2	22.5								
20M	16QAM	1	0	21.58	21.72	21.71	2	22.5								
		1	50	21.48	21.84	21.81	2	22.5								
		1	99	21.43	21.71	21.52	2	22.5								
		50	0	20.66	20.61	20.69	3	21.5								
		50	50	20.59	20.74	20.73	3	21.5								
		100	0	20.63	20.63	20.69	3	21.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
20M	28QAM	1	0	18.90	18.94	18.94	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.90	18.88	18.83	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.90	18.94	18.94	5	19.5								
20M	64QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	256QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	MCS Index	Channel	4200	4200	4200	4200	3GPP	Max. Turn-up								
		Frequency (MHz)	3600	3600	3600	3600	MPE	Turn-up								
		1	0	23.78	23.78	23.81	0	24.5								
		1	50	23.57	23.74	23.83	0	24.5								
		1	99	23.63	23.80	23.48	0	24.5								
		50	0	22.80	22.79	22.77	1	23.5								
		50	50	22.80	22.75	22.68	1	23.5								
		100	0	22.74	22.73	22.68	1	23.5								
		1	50	22.85	22.79	22.54	1	23.5								
		1	99	22.94	22.75	22.35	1	23.5								

LTE Band 42 Part96 (Ant7)																
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP	Max. Turn-up	MCS	MCS	MCS	Max. Turn-up				
		Channel	4200	4200	4200	4200	MPE	Turn-up								
		Frequency (MHz)	3600	3600	3600	3600		3600					3600	3600	3600	3600
20M	QPSK	1	0	23.70	23.72	23.69	0	24.5								
		1	50	23.48	23.70	23.44	0	24.5								
		1	99	23.53	23.58	23.53	0	24.5								
		50	0	22.77	22.70	22.73	1	23.5								
		50	50	22.59	22.67	22.53	1	23.5								
		100	0	22.68	22.63	22.60	1	23.5								
		1	50	22.63	22.72	22.49	1	23.5								
		1	99	22.63	22.68	22.51	1	23.5								
		50	0	21.66	21.71	21.64	2	22.5								
		50	50	21.55	21.61	21.54	2	22.5								
20M	16QAM	1	0	21.62	21.67	21.66	2	22.5								
		1	50	21.41	21.14	21.48	2	22.5								
		1	99	21.40	21.69	21.41	2	22.5								
		50	0	20.69	20.66	20.69	3	21.5								
		50	50	20.57	20.59	20.72	3	21.5								
		100	0	20.51	20.62	20.69	3	21.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
20M	28QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	64QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
20M	256QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	50	18.84	18.88	18.89	5	19.5								
		1	99	18.91	18.84	18.88	5	19.5								
		50	0	18.84	18.88	18.89	5	19.5								
		50	50	18.92	18.96	18.87	5	19.5								
		100	0	18.84	18.88	18.89	5	19.5								
BW	MCS Index	Channel	4200	4200	4200	4200	3GPP	Max. Turn-up	MCS	MCS	MCS	Max. Turn-up				
		Frequency (MHz)	3600	3600	3600	3600	MPE	Turn-up					Turn-up	Turn-up	Turn-up	
		3600	3600	3600	3600	3600	3600	3600					3600	3600	3600	
20M	QPSK	1	0	23.70	23.72	23.69	0	24.5								
		1	24	23.39	23.50	23.41	0	24.5								
		1	49	23.52	23.52	23.52	0	24.5								
		1	20	22.88	22.86	22.84	1	23.5								
		25	12	22.94	22.90	22.91	1	23.5								
		25	24	22.92	22.94	22.94	1	23.5								
		50	0	22.85	22.82	22.84	1	23.5								
		1	24	22.85	22.86	22.86	1	23.5								
		1	49	22.82	22.83	22.82	1	23.5								
		1	24	22.83	22.83	22.83	1	23.5								
20M	16QAM	1	0	21.62	21.67	21.66	2	22.5								
		1	24	21.31	21.41	21.32	2	22.5								
		1	49	21.48	21.49	21.49	2	22.5								
		1	20	21.47	21.48	21.47	2	22.5								
		25	12	21.48	21.49	21.49	2	22.5								
		25	24	21.46	21.48	21.48	2	22.5								
		50	0	21.46	21.46	21.47	2	22.5								
		1	24	21.31	21.31	21.30	2	22.5								
		1	49	21.29	21.30	21.30	2	22.5								
		1	20	20.69	20.69	20.62	3	21.5								
20M	64QAM	1	0	21.62	21.67	21.66	2	22.5								
		1	24	21.31	21.41	21.32	2	22.5								
		1	49	21.48	21.49	21.49	2	22.5								
		1	20	21.47	21.48	21.47	2	22.5								
		25	12	21.48	21.49	21.49	2	22.5								
		25	24	21.46	21.48	21.48	2	22.5								
		50	0	20.69	20.69	20.62	3	21.5								
		1	24	20.69	20.69	20.62	3	21.5								
		1	49	20.62	20.62	20.62	3	21.5								
		1	20	18.87	18.87	18.87	5	19.5								
20M	28QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	24	18.83	18.74	18.87	5	19.5								
		1	49	18.82	18.76	18.81	5	19.5								
		1	20	18.87	18.83	18.80	5	19.5								
		25	12	18.83	18.82	18.81	5	19.5								
		25	24	18.86	18.87	18.85	5	19.5								
20M	64QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	24	18.83	18.74	18.87	5	19.5								
		1	49	18.82	18.76	18.81	5	19.5								
		1	20	18.87	18.83	18.80	5	19.5								
		25	12	18.83	18.82	18.81	5	19.5								
		25	24	18.86	18.87	18.85	5	19.5								
20M	256QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	24	18.83	18.74	18.87	5	19.5								
		1	49	18.82	18.76	18.81	5	19.5								
		1	20	18.87	18.83	18.80	5	19.5								
		25	12	18.83	18.82	18.81	5	19.5								
		25	24	18.86	18.87	18.85	5	19.5								
BW	MCS Index	Channel	4200	4200	4200	4200	3GPP	Max. Turn-up	MCS	MCS	MCS	Max. Turn-up				
		Frequency (MHz)	3600	3600	3600	3600	MPE	Turn-up					Turn-up	Turn-up	Turn-up	
		3600	3600	3600	3600	3600	3600	3600					3600	3600	3600	
20M	QPSK	1	0	23.67	23.71	23.68	0	24.5								
		1	12	22.91	22.95	22.92	1	23.5								
		1	24	22.77	22.84	22.82	1	23.5								
		1	2	22.70	22.70	22.75	1	23.5								
		1	12	22.77	22.77	22.75	1	23.5								
		1	24	22.77	22.84	22.82	1	23.5								
		1	2	21.69	21.69	21.69	2	22.5								
		1	12	21.69	21.69	21.69	2	22.5								
		1	24	21.68	21.68	21.67	2	22.5								
		1	2	21.68	21.68	21.68	2	22.5								
20M	16QAM	1	0	21.60	21.65	21.66	2	22.5								
		1	12	21.40	21.60	21.38	2	22.5								
		1	24	21.37	21.60	21.33	2	22.5								
		1	2	20.62	20.63	20.64	3	21.5								
		1	12	20.62	20.64	20.64	3	21.5								
		1	24	20.62	20.64	20.64	3	21.5								
		1	2	20.52	20.52	20.58	3	21.5								
		1	12	20.52	20.58	20.58	3	21.5								
		1	24	20.52	20.58	20.58	3	21.5								
		1	2	18.87	18.87	18.87	5	19.5								
20M	28QAM	1	0	18.84	18.88	18.89	5	19.5								
		1	12	18.83	18.69	18.87	5	19.5								
		1	24	18.81	18.71	18.86	5	19.5								
		1	6	18.88	18.84	18.78	5	19.5								
		1	12	18.80	18.84	18.78	5	19.5								
		1	24	18.80	18.84	18.78	5	19.5								

LTE Band 43 for FCC (Ant7)																
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP	Max. Turn-up	MCS	MCS	MCS	Max. Turn-up				
		Channel	4000	4000	4000	4000	MPE	Turn-up								
		Frequency (MHz)	3800	3800	3800	3800										
20M	QPSK	1	0	22.34	22.47	22.49	0	23								
		1	50	22.23	22.47	22.40	0	23								
		1	99	22.37	22.42	22.43	0	23								
		50	0	21.11	21.50	21.47	1	22								
		50	50	21.03	21.57	21.61	1	22								
		100	0	21.28	21.45	21.56	1	22								
		1	50	21.39	21.44	21.44	1	22								
		1	99	21.38	21.40	21.45	1	22								
		1	99	21.52	21.49	21.42	1	22								
		50	0	20.18	20.33	20.45	2	21								
20M	16QAM	1	0	20.18	20.34	20.46	2	21								
		1	50	20.04	20.49	20.76	2	21								
		1	99	20.36	20.47	20.57	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
		1	99	20.51	20.51	20.51	2	21								
20M	64QAM	1	0	18.21	18.34	18.34	3	20								
		1	50	18.48	18.50	18.50	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
		1	99	18.36	18.44	18.51	3	20								
20M	256QAM	1	0	17.20	17.31	17.34	5	18								
		1	50	17.51	17.59	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
		1	99	17.45	17.58	17.63	5	18								
20M	QPSK	1	0	22.38	22.41	22.39	0	23								
		1	37	22.11	22.36	22.40	0	23								
		1	74	22.11	22.36	22.40	0	23								
		37	0	21.02	21.38	21.44	1	22								
		37	37	21.02	21.38	21.44	1	22								
		37	74	21.02	21.38	21.44	1	22								
		37	111	21.02	21.38	21.44	1	22								
		37	148	21.02	21.38	21.44	1	22								
		37	185	21.02	21.38	21.44	1	22								
		37	222	21.02	21.38	21.44	1	22								
20M	16QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	64QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	256QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	QPSK	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	16QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	64QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								
20M	256QAM	1	0	22.38	22.41	22.39	0	23								
		1	37	21.18	21.44	21.50	1	22								
		1	74	21.18	21.44	21.50	1	22								
		37	0	20.35	20.51	20.53	2	21								
		37	37	20.35	20.51	20.53	2	21								
		37	74	20.35	20.51	20.53	2	21								
		37	111	20.35	20.51	20.53	2	21								
		37	148	20.35	20.51	20.53	2	21								
		37	185	20.35	20.51	20.53	2	21								
		37	222	20.35	20.51	20.53	2	21								

LTE Band 48 for SAR (Ant7)												
BW	MCS Index	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Frequency (MHz)	Channel	12000	12000	12000	12000	12000	12000	12000	12000	
20M	QPSK	1	0	22.85	22.85	22.88	23.19	0	23.5			0
		1	50	22.75	22.84	22.76	23.11	0	23.5			0
		1	99	22.76	22.88	22.72	23.17	0	23.5			0
		50	0	22.88	22.12	21.88	22.25	1	22.5			0
		50	50	22.95	22.16	22.21	22.21	1	22.5			0
	16QAM	100	0	21.85	22.11	21.88	22.19	1	22.5			0
		1	50	21.85	22.07	21.84	22.20	1	22.5			0
		1	99	21.87	21.96	21.84	22.19	1	22.5			0
		50	0	22.00	21.20	20.98	21.23	2	21.5			0
		50	50	21.99	20.95	20.92	21.27	2	21.5			0
40M	QPSK	1	0	20.92	21.09	20.79	21.44	2	21.5			0
		1	50	20.93	21.07	20.87	21.37	2	21.5			0
		1	99	20.92	21.00	20.98	21.03	2	21.5			0
		50	0	20.95	20.50	20.88	20.50	3	20.5			0
		50	50	20.94	20.52	20.91	20.49	3	20.5			0
	16QAM	100	0	19.92	20.09	19.95	20.49	3	20.5			0
		1	50	19.92	19.28	19.97	19.99	3	19.5			0
		1	99	19.98	18.55	17.98	17.76	5	18.5			0
		50	25	18.02	18.08	17.66	17.80	5	18.5			0
		50	50	18.09	18.10	18.12	17.82	5	18.5			0
80M	QPSK	1	0	17.92	18.11	17.99	17.84	5	18.5			0
		1	50	18.02	18.05	17.98	17.76	5	18.5			0
		1	99	18.08	18.05	17.98	17.76	5	18.5			0
		50	25	18.02	18.08	17.66	17.80	5	18.5			0
		50	50	18.09	18.10	18.12	17.82	5	18.5			0
	16QAM	100	0	17.92	18.11	17.99	17.84	5	18.5			0
		1	50	18.02	18.05	17.98	17.76	5	18.5			0
		1	99	18.08	18.05	17.98	17.76	5	18.5			0
		50	25	18.02	18.08	17.66	17.80	5	18.5			0
		50	50	18.09	18.10	18.12	17.82	5	18.5			0

LTE Band 48 (Ant7)												
BW	MCS Index	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Frequency (MHz)	Channel	12000	12000	12000	12000	12000	12000	12000	12000	
20M	QPSK	1	0	22.85	22.85	22.88	23.19	0	23.5			0
		1	50	22.75	22.84	22.76	23.11	0	23.5			0
		1	99	22.76	22.88	22.72	23.17	0	23.5			0
		50	0	22.88	22.08	22.25	21	22.5				0
		50	50	22.95	22.09	22.21	21	22.5				0
	16QAM	100	0	21.85	22.09	22.19	21	22.5				0
		1	50	21.85	22.04	22.20	21	22.5				0
		1	99	21.87	21.88	22.19	21	22.5				0
		50	0	22.00	20.95	21.03	2	21.5				0
		50	50	21.99	20.97	21.27	2	21.5				0
40M	QPSK	1	0	20.92	20.91	21.44	2	21.5				0
		1	50	20.93	20.94	21.37	2	21.5				0
		1	99	20.92	20.91	21.03	2	21.5				0
		50	0	20.95	20.50	20.50	3	20.5				0
		50	50	20.94	20.51	20.14	3	20.5				0
	16QAM	100	0	19.92	20.07	20.49	3	20.5				0
		1	50	19.92	19.23	17.90	3	19.5				0
		1	99	19.98	18.01	17.76	5	18.5				0
		50	25	18.02	18.08	17.80	5	18.5				0
		50	50	18.09	18.03	17.82	5	18.5				0
80M	QPSK	1	0	17.92	17.99	17.84	5	18.5				0
		1	50	18.02	18.05	17.98	5	18.5				0
		1	99	18.08	18.05	17.98	5	18.5				0
		50	25	18.02	18.08	17.66	5	18.5				0
		50	50	18.09	18.10	18.12	5	18.5				0
	16QAM	100	0	17.92	17.99	17.84	5	18.5				0
		1	50	18.02	18.05	17.98	5	18.5				0
		1	99	18.08	18.05	17.98	5	18.5				0
		50	25	18.02	18.08	17.66	5	18.5				0
		50	50	18.09	18.10	18.12	5	18.5				0

LTE Band 66 (Ant2)												
BW	MCS Index	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Frequency (MHz)	Channel	12000	12000	12000	12000	12000	12000	12000	12000	
20M	QPSK	1	0	23.72	23.77	23.66	0	24				0
		1	50	23.71	23.67	23.48	0	24				0
		1	99	23.73	23.62	23.54	0	24				0
		50	0	23.68	23.68	23.51	1	23				0
		50	50	23.71	23.70	23.56	1	23				0
	16QAM	100	0	22.74	22.59	22.45	1	23				0
		1	50	22.75	22.67	22.72	1	23				0
		1	99	22.83	22.78	22.71	1	23				0
		50	25	21.60	21.63	21.61	2	22				0
		50	50	21.62	21.58	21.58	2	22				0
40M	QPSK	1	0	21.82	21.85	21.94	2	22				0
		1	50	21.80	21.73	21.94	2	22				0
		1	99	21.73	21.62	21.73	2	22				0
		50	0	20.90	20.81	20.83	3	21				0
		50	50	20.91	20.87	20.71	3	21				0
	16QAM	100	0	19.73	20.69	20.72	3	21				0
		1	50	19.73	19.73	19.74	3	21				0
		1	99	19.81	18.73	18.64	5	19				0
		50	25	18.73	18.68	18.71	5	19				0
		50	50	18.71	18.69	18.76	5	19				0
80M	QPSK	1	0	18.83	18.83	18.83	5	19				0
		1	50	18.83	18.83	18.83	5	19				0
		1	99	18.83	18.83	18.83	5	19				0
		50	25	18.83	18.83	18.83	5	19				0
		50	50	18.83	18.83	18.83	5	19				0
	16QAM	100	0	18.83	18.83	18.83	5	19				0
		1	50	18.83	18.83	18.83	5	19				0
		1	99	18.83	18.83	18.83	5	19				0
		50	25	18.83	18.83	18.83	5	19				0
		50	50	18.83	18.83	18.83	5	19				0

LTE Band 71 (Auto)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Time-avg. (dBm)	Max. Power (dBm)	
		Channel					MPR (dB)			
20M	QPSK	Frequency (MHz)	875	885	895					
		1	0	23.50	23.27	23.14	0	0	24	
		1	50	23.27	23.03	23.02	0	0	24	
		1	99	23.03	22.84	22.89	0	0	24	
		50	0	22.50	22.48	22.16	1	23		
		50	25	22.50	22.13	22.05	1	23		
		50	50	22.13	22.08	22.09	1	23		
		100	0	22.24	22.19	22.07	1	23		
		1	0	22.04	22.40	22.29	1	23		
		1	99	22.24	22.12	22.04	1	23		
16QAM	50	0	21.41	21.10	21.18	2	22			
	50	25	21.33	21.10	21.08	2	22			
	50	50	21.22	21.07	21.04	2	22			
	100	0	21.29	21.16	21.10	2	22			
	1	0	21.08	21.30	21.29	2	22			
	1	50	21.30	21.20	21.20	2	22			
	1	99	21.19	21.02	20.97	2	22			
	50	0	20.42	20.19	20.07	3	21			
	50	25	20.27	20.10	20.08	3	21			
	50	50	20.14	20.08	20.08	3	21			
64QAM	100	0	20.13	20.17	20.08	3	21			
	1	0	18.69	18.38	18.29	5	19			
	1	50	18.39	18.19	18.19	5	19			
	1	99	18.25	18.14	18.16	5	19			
	50	0	18.47	18.22	18.17	5	19			
	50	25	18.30	18.21	18.11	5	19			
	50	50	18.25	18.13	18.14	5	19			
	100	0	18.44	18.23	18.15	5	19			
15M	QPSK	Channel	130187	130207	130397	SCPP	Max. Time-avg. (dBm)	Max. Power (dBm)		
		Frequency (MHz)	875.5	886.5	895.5	MPR (dB)				
		1	0	23.30	23.14	23.08	0	0	24	
		1	17	23.10	22.92	22.92	0	0	24	
		1	74	22.92	22.84	22.75	0	0	24	
		36	0	22.40	22.42	22.05	1	23		
		36	18	22.12	22.11	22.01	1	23		
		36	36	22.04	21.96	22.02	1	23		
		72	0	22.19	22.14	22.02	1	23		
		1	0	22.48	22.25	22.31	1	23		
	16QAM	1	17	22.21	22.09	22.11	1	23		
		1	74	22.03	22.02	21.93	1	23		
		36	0	21.40	21.08	21.17	2	22		
		36	18	21.26	20.96	21.05	2	22		
		36	36	21.15	21.00	21.03	2	22		
		72	0	21.25	21.13	21.04	2	22		
		1	0	21.48	21.14	21.08	2	22		
		1	17	21.26	21.15	21.18	2	22		
		1	74	21.09	20.95	20.96	2	22		
		36	0	20.26	20.14	20.04	3	21		
	64QAM	36	18	20.12	20.05	20.06	3	21		
		36	36	20.10	20.04	20.04	3	21		
		72	0	20.25	20.04	20.04	3	21		
		1	0	18.58	18.35	18.24	5	19		
		1	17	18.36	18.08	18.04	5	19		
		1	74	18.12	18.00	18.02	5	19		
		36	0	18.30	18.18	18.15	5	19		
		36	18	18.20	18.11	18.08	5	19		
		36	36	18.24	18.07	18.09	5	19		
		72	0	18.38	18.16	18.10	5	19		
10M	QPSK	Channel	130147	130207	130417	SCPP	Max. Time-avg. (dBm)	Max. Power (dBm)		
		Frequency (MHz)	885.5	886.5	895	MPR (dB)				
		1	0	23.37	23.17	23.05	0	0	24	
		1	24	23.07	23.01	22.91	0	0	24	
		1	49	23.02	22.88	22.84	0	0	24	
		25	0	22.42	22.36	22.05	1	23		
		25	12	22.12	22.06	21.91	1	23		
		25	25	22.08	22.04	22.02	1	23		
		50	0	22.18	22.10	21.94	1	23		
		1	0	22.45	22.37	22.27	1	23		
	16QAM	1	24	22.34	22.14	22.08	1	23		
		1	49	22.12	22.01	21.90	1	23		
		25	0	21.38	21.10	21.14	2	22		
		25	12	21.19	20.95	20.97	2	22		
		25	25	21.08	20.86	20.88	2	22		
		50	0	21.13	21.09	20.99	2	22		
		1	0	21.49	21.24	21.11	2	22		
		1	24	21.36	21.18	21.14	2	22		
		1	49	21.11	20.95	20.92	2	22		
		25	0	20.38	20.16	20.04	3	21		
	64QAM	25	12	20.19	20.06	20.06	3	21		
		25	25	20.00	19.99	20.04	3	21		
		50	0	20.27	20.04	19.94	3	21		
		1	0	18.41	18.27	18.26	5	19		
		1	24	18.20	18.12	18.14	5	19		
		1	49	18.16	18.11	18.08	5	19		
		25	0	18.47	18.11	18.13	5	19		
		25	12	18.24	18.15	17.97	5	19		
		25	25	18.15	18.03	18.01	5	19		
		50	0	18.30	18.09	18.02	5	19		
5M	QPSK	Channel	130147	130207	130417	SCPP	Max. Time-avg. (dBm)	Max. Power (dBm)		
		Frequency (MHz)	885.5	886.5	895.5	MPR (dB)				
		1	0	23.40	23.25	23.11	0	0	24	
		1	12	23.16	23.03	22.92	0	0	24	
		1	24	22.92	22.86	22.87	0	0	24	
		12	0	22.47	22.38	22.06	1	23		
		12	6	22.17	22.11	21.97	1	23		
		12	12	22.03	22.00	22.00	1	23		
		25	0	22.14	22.07	21.98	1	23		
		1	0	22.59	22.25	22.30	1	23		
	16QAM	1	12	22.36	22.16	22.20	1	23		
		1	24	22.21	21.99	21.94	1	23		
		12	0	21.34	21.08	21.13	2	22		
		12	6	21.28	21.08	21.03	2	22		
		12	12	21.18	21.02	21.03	2	22		
		25	0	21.15	21.12	21.00	2	22		
		1	0	21.61	21.16	21.06	2	22		
		1	12	21.36	21.17	21.19	2	22		
		1	24	21.03	20.92	20.86	2	22		
		12	0	20.33	20.17	20.14	3	21		
	64QAM	12	6	20.22	20.07	19.98	3	21		
		12	12	20.02	19.97	19.98	3	21		
		25	0	20.25	20.10	19.91	3	21		
		1	0	18.55	18.23	18.19	5	19		
		1	12	18.20	18.11	18.13	5	19		
		1	24	18.10	18.05	18.15	5	19		
		12	0	18.38	18.19	18.07	5	19		
		12	6	18.25	18.00	18.01	5	19		
		12	12	18.11	18.04	18.03	5	19		
		25	0	18.32	18.08	18.03	5	19		
20M	QPSK	Channel <th>130187</th> <th>130207</th> <th>130397</th> <th>SCPP</th> <th>Max. Time-avg. (dBm)</th> <th>Max. Power (dBm)</th> <th></th>	130187	130207	130397	SCPP	Max. Time-avg. (dBm)	Max. Power (dBm)		
		Frequency (MHz)	875.5	886.5	895.5	MPR (dB)				
		1	0	23.50	23.27	23.14	0	0	24	
		1	50	23.27	23.03	23.02	0	0	24	
		1	99	23.03	22.84	22.89	0	0	24	
		50	0	22.50	22.48	22.16	1	23		
		50	25	22.50	22.13	22.05	1	23		
		50	50	22.13	22.08	22.09	1	23		
		100	0	22.24	22.19	22.07	1	23		
		1	0	22.04	22.40	22.29	1	23		

Normal Default

n2 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	24.07	23.88	23.71	24.5
		1	53	23.68	23.44	23.47	24.5
		1	104	23.78	23.46	23.42	24.5
		50	0	23.34	23.18	23.01	24
		50	28	23.82	23.66	23.57	24.5
		50	56	23.07	22.95	22.74	24
		100	0	23.09	23.01	22.71	24
	DFT-s-OFDM QPSK	1	1	24.29	23.91	23.72	24.5
		1	53	24.12	23.76	23.68	24.5
		1	104	23.81	23.69	23.62	24.5
		50	0	23.01	22.83	22.63	23.5
		50	28	24.05	23.79	23.61	24.5
		50	56	23.02	22.69	22.60	23.5
		100	0	23.03	22.71	22.62	23.5
	DFT-s-OFDM 16QAM	1	1	23.17	22.99	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	21.89	21.69	21.53	22
	DFT-s-OFDM 256QAM	1	1	19.68	19.30	19.38	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	24.27	23.89	23.51	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	24.28	23.87	23.54	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.26	23.88	23.55	24.5

n5 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.66	23.61	23.53	24.5
		1	53	23.46	23.57	23.62	24.5
		1	104	23.53	23.59	23.52	24.5
		50	0	23.16	23.11	23.19	24
		50	28	23.63	23.64	23.60	24.5
		50	56	23.06	23.15	23.22	24
		100	0	23.13	23.16	23.16	24
	DFT-s-OFDM QPSK	1	1	23.65	23.67	23.73	24.5
		1	53	23.48	23.60	23.63	24.5
		1	104	23.61	23.58	23.52	24.5
		50	0	22.55	22.57	22.64	23.5
		50	28	23.54	23.59	23.60	24.5
		50	56	22.54	22.59	22.61	23.5
		100	0	22.61	22.65	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.95	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	20.82	20.89	20.65	22
	DFT-s-OFDM 256QAM	1	1	18.76	18.77	18.63	20
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.68	23.70	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.54	23.55	23.69	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.62	23.48	23.64	24.5

n7 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.25	23.27	24
		1	53	23.37	23.31	23.25	24
		1	104	23.36	23.27	23.22	24
		50	0	22.92	22.74	22.72	23.5
		50	28	23.40	23.24	23.29	24
		50	56	22.86	22.63	22.71	23.5
	DFT-s-OFDM QPSK	100	0	22.91	22.75	22.68	23.5
		1	1	23.50	23.36	23.30	24
		1	53	23.44	23.31	23.26	24
		1	104	23.40	23.28	23.23	24
		50	0	22.45	22.23	22.21	23
		50	28	23.43	23.22	23.20	24
		50	56	22.38	22.25	22.21	23
		100	0	22.37	22.22	22.23	23
	DFT-s-OFDM 16QAM	1	1	22.71	22.56	22.53	23
	DFT-s-OFDM 64QAM	1	1	20.66	20.47	20.38	21.5
	DFT-s-OFDM 256QAM	1	1	18.37	18.25	18.17	19.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	23.36	23.23	23.28	24
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	23.41	23.29	23.27	24
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	23.38	23.21	23.25	24

n12 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	22.11	22.08	22.08	24
		1	39	22.07	22.06	22.01	24
		1	77	22.03	22.08	22.04	24
		36	0	21.51	21.53	21.60	23.5
		36	19	22.03	22.07	22.06	24
		36	43	21.52	21.62	21.51	23.5
	DFT-s-OFDM QPSK	75	0	21.60	21.57	21.55	23.5
		1	1	22.13	22.14	22.09	24
		1	39	22.08	22.06	22.02	24
		1	77	22.11	22.07	22.05	24
		36	0	21.02	21.02	21.06	23
		36	19	22.00	22.05	22.04	24
		36	39	21.08	21.11	21.09	23
		75	0	21.06	21.19	21.07	23
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.32	23
	DFT-s-OFDM 64QAM	1	1	19.57	19.63	19.52	21.5
	DFT-s-OFDM 256QAM	1	1	17.57	17.60	17.51	19.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequency (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	22.08	22.11	22.03	24
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequency (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	22.05	22.08	22.04	24

n13 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			156400		
		Frequency (MHz)			782		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.99		24
		1	26		23.02		24
		1	50		23.05		24
		25	0		22.53		23.5
		25	13		22.98		24
		25	27		22.49		23.5
	DFT-s-OFDM QPSK	50	0		22.58		23.5
		1	1		23.08		24
		1	26		23.03		24
		1	50		23.01		24
		25	0		21.93		23
		25	13		23.02		24
	DFT-s-OFDM 16QAM	25	27		22.01		23
		50	0		22.10		23
		1	1		22.16		23
		1	1		20.02		21.5
		1	1		18.12		19.5
		1	1		18.12		19.5
BW	MCS Index	Channel		155900	156400	156900	Max. Tune-up
		Frequency (MHz)		779.5	782	784.5	
5M	DFT-s-OFDM QPSK	1	1	22.99	23.04	22.97	24

n14 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			158600		
		Frequency (MHz)			793		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.08		24
		1	26		23.01		24
		1	50		22.89		24
		25	0		22.48		23.5
		25	13		23.04		24
		25	27		22.53		23.5
	DFT-s-OFDM QPSK	50	0		22.47		23.5
		1	1		23.10		24
		1	26		23.02		24
		1	50		22.90		24
		25	0		21.99		23
		25	13		23.06		24
	DFT-s-OFDM 16QAM	25	27		22.03		23
		50	0		21.98		23
		1	1		22.36		23
		1	1		20.21		21.5
		1	1		17.87		19.5
		1	1		17.87		19.5
BW	MCS Index	Channel		158100	158600	159100	Max. Tune-up
		Frequency (MHz)		790.5	793	795.5	
5M	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.02	24

n25 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.74	23.37	23.02	24.5
		1	53	23.76	23.20	22.91	24.5
		1	104	23.56	23.04	22.83	24.5
		50	0	23.17	22.70	22.47	24
		50	28	23.69	23.10	22.81	24.5
		50	56	23.07	22.48	22.28	24
		100	0	23.11	22.60	22.44	24
	DFT-s-OFDM QPSK	1	1	23.80	23.53	23.39	24.5
		1	53	23.74	23.22	22.87	24.5
		1	104	23.51	23.09	22.82	24.5
		50	0	22.74	22.27	22.15	23.5
		50	28	23.69	23.33	23.09	24.5
		50	56	22.63	22.00	21.98	23.5
		100	0	22.62	22.36	22.03	23.5
	DFT-s-OFDM 16QAM	1	1	22.87	22.58	22.92	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.28	21.64	22
	DFT-s-OFDM 256QAM	1	1	19.24	18.89	19.22	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.45	23.37	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.29	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.21	24.5

n30 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			462000		
		Frequency (MHz)			2310		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.76		24
		1	26		23.81		24
		1	50		23.59		24
		25	0		23.14		23.5
		25	13		23.70		24
		25	27		23.12		23.5
		50	0		23.15		23.5
	DFT-s-OFDM QPSK	1	1		23.86		24
		1	26		23.81		24
		1	50		23.67		24
		25	0		22.71		23
		25	13		23.70		24
		25	27		22.73		23
		50	0		22.75		23
	DFT-s-OFDM 16QAM	1	1		22.85		23
	DFT-s-OFDM 64QAM	1	1		21.01		21.5
	DFT-s-OFDM 256QAM	1	1		18.83		19.5

n38 (SCS 30 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.63	23.58	23.54	24
		1	53	23.42	23.31	23.39	24
		1	104	23.41	23.25	23.38	24
		50	0	23.13	22.94	22.95	23.5
		50	28	23.47	23.39	23.45	24
		50	56	22.99	22.78	22.84	23.5
	DFT-s-OFDM QPSK	100	0	23.01	22.92	22.99	23.5
		1	1	23.68	23.62	23.58	24
		1	53	23.44	23.39	23.31	24
		1	104	23.32	23.32	23.26	24
		50	0	22.64	22.43	22.46	23
		50	28	23.47	23.36	23.43	24
	DFT-s-OFDM 16QAM	50	56	22.48	22.25	22.30	23
		100	0	22.49	22.40	22.45	23
		1	1	22.69	22.73	22.65	23
		1	1	20.85	20.83	20.88	21.5
		1	1	18.59	18.65	18.61	19.5
		1	1	18.59	18.65	18.61	19.5
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	23.60	23.56	23.52	24
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	23.59	23.58	23.56	24

PC3_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	22.49	22.38	22.45	24
		1	137	22.56	22.35	22.72	24
		1	271	22.43	22.62	22.81	24
		135	0	22.61	22.34	22.42	23.5
		135	69	22.58	22.29	22.72	24
		135	138	22.52	22.37	22.42	23.5
	DFT-s-OFDM QPSK	270	0	22.65	22.39	22.68	23.5
		1	1	22.67	22.76	23.08	24
		1	137	22.52	22.35	22.42	24
		1	271	22.49	22.53	22.78	24
		135	0	22.61	22.33	22.43	23
		135	69	22.64	22.41	22.79	24
	DFT-s-OFDM 16QAM	135	138	22.53	22.35	22.45	23
		270	0	22.61	22.42	22.67	23
		1	1	22.63	22.71	22.36	23
		1	1	21.95	21.83	21.75	22.5
		1	1	19.72	19.59	19.62	20.5
		1	1	19.72	19.59	19.62	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.66	22.62	22.87	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.61	22.73	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.73	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.63	22.69	22.79	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.65	22.70	22.82	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.73	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	22.62	22.67	22.78	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.62	22.70	22.80	24

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P1/2 BPSK	1	1	22.77	22.74	22.94	23.5
		1	53	22.84	22.54	22.98	23.5
		1	104	22.75	22.76	23.03	23.5
		50	0	22.06	22.07	22.06	23
		50	28	22.72	22.61	23.01	23.5
		50	56	22.06	22.09	22.01	23
		100	0	22.04	22.02	22.04	23
	DFT-s-OFDM QPSK	1	1	22.92	22.83	23.06	23.5
		1	53	22.80	22.57	23.04	23.5
		1	104	22.70	22.59	23.03	23.5
		50	0	22.06	22.07	22.03	22.5
		50	28	22.72	22.77	22.99	23.5
		50	56	22.00	22.02	22.05	22.5
		100	0	22.02	22.05	22.05	22.5
	DFT-s-OFDM 16QAM	1	53	22.46	22.39	22.00	22.5
	DFT-s-OFDM 64QAM	1	53	20.97	20.84	20.95	21
	DFT-s-OFDM 256QAM	1	53	18.88	18.88	18.99	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.87	22.72	22.98	23.5

n66 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P1/2 BPSK	1	1	23.71	23.71	23.42	24.5
		1	80	23.63	23.61	23.17	24.5
		1	158	23.47	23.34	23.07	24.5
		80	0	22.68	23.22	22.93	24
		80	40	23.57	23.64	23.55	24.5
		80	80	22.53	22.98	22.67	24
		160	0	22.69	23.14	22.89	24
	DFT-s-OFDM QPSK	1	1	23.75	23.78	23.57	24.5
		1	80	23.67	23.66	23.36	24.5
		1	158	23.59	23.25	23.03	24.5
		80	0	22.66	22.67	22.47	23.5
		80	40	23.60	23.61	23.29	24.5
		80	80	22.58	22.59	22.34	23.5
		160	0	22.71	22.62	22.47	23.5
	DFT-s-OFDM 16QAM	1	1	22.67	22.72	22.73	23.5
	DFT-s-OFDM 64QAM	1	1	21.09	21.14	21.15	22
	DFT-s-OFDM 256QAM	1	1	19.77	19.64	19.47	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.71	23.77	23.58	24.5
BW	MCS Index	Channel		343500	349000	23.57	Max. Tune-up
		Frequency (MHz)		1717.5	1745	23.57	
15M	DFT-s-OFDM QPSK	1	1	23.68	23.73	23.56	24.5
BW	MCS Index	Channel		343000	349000	23.57	Max. Tune-up
		Frequency (MHz)		1715	1745	23.57	
10M	DFT-s-OFDM QPSK	1	1	23.65	23.76	23.54	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.66	23.71	23.63	24.5

n71 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.40	23.16	22.99	24.5
		1	53	23.18	23.02	22.91	24.5
		1	104	22.93	22.82	22.59	24.5
		50	0	22.68	22.62	22.44	24
		50	28	23.21	23.01	22.95	24.5
		50	56	22.56	22.35	22.26	24
		100	0	22.62	22.41	22.30	24
		1	1	23.49	23.19	23.00	24.5
	DFT-s-OFDM QPSK	1	53	23.18	23.05	22.95	24.5
		1	104	22.99	22.83	22.61	24.5
		50	0	22.31	22.12	22.05	23.5
		50	28	23.12	23.06	22.86	24.5
		50	56	22.15	21.94	21.79	23.5
		100	0	22.19	22.01	21.91	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.44	22.27	23.5
	DFT-s-OFDM 64QAM	1	1	20.45	20.33	20.23	22
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.06	20
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.15	22.99	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.47	23.11	22.97	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.44	22.96	22.96	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		24.16		25
		1	137		23.97		25
		1	271		24.13		25
		135	0		23.39		24.5
		135	69		24.03		25
		135	138		24.19		24.5
		270	0		24.05		24.5
		1	1		24.27		25
	DFT-s-OFDM QPSK	1	137		23.91		25
		1	271		24.15		25
		135	0		23.91		24.5
		135	69		24.14		25
		135	138		24.12		24.5
		270	0		24.03		24.5
	DFT-s-OFDM 16QAM	1	1		23.65		24.5
	DFT-s-OFDM 64QAM	1	1		22.82		23.5
	DFT-s-OFDM 256QAM	1	1		20.69		21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.56	23.69	23.54	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.79	23.78	24.01	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.98	24.06	23.99	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.19	24.11	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.12	24.07	25

n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.81	24.27	23.97	25
		1	137	23.89	24.04	24.36	25
		1	271	23.92	24.08	24.31	25
		135	0	23.91	24.16	24.23	24.5
		135	69	23.94	24.09	24.35	25
		135	138	23.93	24.01	24.34	24.5
		270	0	23.93	24.04	24.32	24.5
	DFT-s-OFDM QPSK	1	1	24.03	24.37	24.55	25
		1	137	23.92	24.05	24.31	25
		1	271	23.96	24.16	24.36	25
		135	0	23.91	24.23	24.21	24.5
		135	69	23.95	24.22	24.26	25
		135	138	23.87	24.01	24.15	24.5
		270	0	23.83	24.25	24.19	24.5
	DFT-s-OFDM 16QAM	1	1	23.93	24.37	24.13	24.5
	DFT-s-OFDM 64QAM	1	1	23.02	23.25	23.21	23.5
	DFT-s-OFDM 256QAM	1	1	20.82	21.33	21.02	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	24.01	24.33	24.32	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.99	24.28	24.33	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	24.02	24.29	24.30	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.26	24.35	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.95	24.31	24.30	25

n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		23.90		25
		1	137		24.05		25
		1	271		24.31		25
		135	0		24.03		24.5
		135	69		24.06		25
		135	138		24.26		24.5
		270	0		24.10		24.5
	DFT-s-OFDM QPSK	1	1		24.36		25
		1	137		24.09		25
		1	271		24.25		25
		135	0		24.01		24.5
		135	69		24.28		25
		135	138		24.25		24.5
		270	0		24.07		24.5
	DFT-s-OFDM 16QAM	1	1		23.86		24.5
	DFT-s-OFDM 64QAM	1	1		22.91		23.5
	DFT-s-OFDM 256QAM	1	1		20.87		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	24.01	23.88	24.11	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.99	23.97	23.98	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	24.15	23.99	24.18	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.24	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	24.17	24.00	24.18	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.21	24.31	24.20	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	24.05	24.19	24.09	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.23	24.11	25

Normal Default

PC2_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	24.52	24.29	24.06	25
		1	137	24.54	24.22	24.34	25
		1	271	24.47	24.51	24.65	25
		135	0	24.09	23.78	23.67	24.5
		135	69	24.58	24.26	24.35	25
		135	138	23.96	23.74	24.10	24.5
	DFT-s-OFDM QPSK	270	0	24.03	23.77	23.90	24.5
		1	1	24.59	24.55	24.73	25
		1	137	24.48	24.23	24.33	25
		1	271	24.41	24.49	24.62	25
		135	0	23.58	23.28	23.16	24
		135	69	24.34	24.22	24.37	25
	DFT-s-OFDM 16QAM	135	138	23.46	23.34	23.62	24
		270	0	23.42	23.26	23.52	24
		1	1	23.62	23.36	23.22	24
		1	1	21.73	21.41	21.25	22.5
		1	1	19.56	19.27	19.06	20.5
		1	1	19.56	19.27	19.06	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.52	24.54	24.60	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.56	24.49	24.71	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.62	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.44	24.53	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.44	24.45	24.67	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.53	24.43	24.59	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.51	24.52	24.70	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.54	24.42	24.64	25

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.06		27
		1	137		25.80		27
		1	271		26.10		27
		135	0		24.66		26.5
		135	69		25.86		27
		135	138		25.11		26.5
	DFT-s-OFDM QPSK	270	0		24.83		26.5
		1	1		26.30		27
		1	137		25.70		27
		1	271		26.13		27
		135	0		24.74		26
		135	69		26.18		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		24.96		26
		1	1		25.43		26
		1	1		23.97		24.5
		1	1		21.34		22.5
		1	1		21.34		22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.14	25.95	26.15	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.18	26.16	26.22	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.07	26.09	26.09	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.18	26.11	26.14	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.08	25.91	26.21	27

PC2_n77 (SCS 30 kHz)_3700-3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	25.86	25.79	25.72	27
		1	137	26.02	25.82	26.17	27
		1	271	26.04	25.89	26.28	27
		135	0	24.99	25.33	25.04	26.5
		135	69	25.98	25.91	26.22	27
		135	138	24.98	25.39	25.23	26.5
	DFT-s-OFDM QPSK	270	0	25.03	25.38	25.04	26.5
		1	1	26.07	25.96	26.29	27
		1	137	25.93	25.71	26.17	27
		1	271	26.01	25.78	26.08	27
		135	0	24.98	24.80	25.00	26
		135	69	26.05	25.85	26.21	27
	DFT-s-OFDM 16QAM	135	138	25.01	24.83	25.23	26
		270	0	25.03	24.81	25.06	26
		1	1	25.34	25.08	25.54	26
		1	1	23.40	23.06	23.55	24.5
		1	1	21.07	20.81	21.32	22.5
		1	1	21.07	20.81	21.32	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	26.05	25.87	26.25	27
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.01	25.90	26.27	27
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.00	25.91	26.21	27
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	25.99	25.94	26.22	27
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.04	25.88	26.23	27

PC2_n78 (SCS 30 kHz)_3450-3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.19		27
		1	137		25.97		27
		1	271		26.34		27
		135	0		24.85		26.5
		135	69		26.05		27
		135	138		25.19		26.5
	DFT-s-OFDM QPSK	270	0		25.03		26.5
		1	1		26.35		27
		1	137		25.94		27
		1	271		26.31		27
		135	0		24.84		26
		135	69		26.01		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		25.03		26
		1	1		25.46		26
		1	1		23.50		24.5
		1	1		21.37		22.5
		1	1		21.37		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	1	26.05	25.72	26.05	27
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.11	25.74	26.22	27
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.08	25.80	26.17	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.31	25.84	26.11	27
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	25.83	26.07	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.25	26.14	26.08	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.09	26.15	26.15	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.13	26.08	26.18	27

Normal Default

PC3_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	22.74	22.87	23.05	24
		1	137	22.67	22.64	22.74	24
		1	271	22.70	22.75	22.94	24
		137	0	21.65	21.49	21.36	23
		137	68	22.61	22.54	22.61	24
		137	136	21.53	21.57	21.85	23
		273	0	21.61	21.53	21.65	23
	CP-OFDM 16QAM	1	1	22.68	22.58	22.50	23
	CP-OFDM 64QAM	1	1	20.90	20.89	20.68	22.5
	CP-OFDM 256QAM	1	1	18.72	18.55	18.51	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	22.64	22.79	22.95	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	22.63	22.81	22.93	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	22.68	22.86	22.96	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	22.62	22.82	22.95	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	22.70	22.78	23.01	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	22.67	22.77	23.03	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	22.69	22.83	22.93	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	22.66	22.83	22.92	24

n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.68		25
		1	137		23.44		25
		1	271		23.54		25
		137	0		22.05		24
		137	68		23.36		25
		137	136		22.14		24
		273	0		22.03		24
	CP-OFDM 16QAM	1	1		22.82		24.5
	CP-OFDM 64QAM	1	1		21.05		23
	CP-OFDM 256QAM	1	1		18.12		20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.60	23.61	23.63	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.61	23.56	23.59	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.58	23.57	23.60	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.59	23.55	23.62	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.62	23.64	23.59	25

n77 (SCS 30 kHz) 3700–3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	24.28	24.09	24.35	25
		1	137	24.06	23.73	24.05	25
		1	271	24.02	24.02	23.99	25
		137	0	22.75	22.61	22.70	24
		137	68	24.19	23.91	24.26	25
		137	136	22.68	22.55	22.74	24
		273	0	22.79	22.63	22.73	24
	CP-OFDM 16QAM	1	1	23.77	23.79	23.77	24.5
	CP-OFDM 64QAM	1	1	22.08	21.95	21.97	23
	CP-OFDM 256QAM	1	1	19.21	19.06	19.11	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.20	24.07	24.16	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.21	24.04	24.11	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.22	24.02	24.12	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.18	24.01	24.16	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.26	24.02	24.10	25

n78 (SCS 30 kHz) 3450–3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.89		25
		1	137		23.65		25
		1	271		23.72		25
		137	0		22.30		24
		137	68		23.66		25
		137	136		22.31		24
		273	0		22.25		24
	CP-OFDM 16QAM	1	1		22.72		24
	CP-OFDM 64QAM	1	1		21.17		22.5
	CP-OFDM 256QAM	1	1		18.74		20.5
BW	MCS Index	Channel	633000	633334	633666	Max. Tune-up	
		Frequency (MHz)	3495	3500.01	3504.99		
90M	CP-OFDM QPSK	1	1	23.85	23.87	23.84	25
BW	MCS Index	Channel	632668	633334	634000	Max. Tune-up	
		Frequency (MHz)	3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	23.72	23.79	23.76	25
BW	MCS Index	Channel	632334	633334	634332	Max. Tune-up	
		Frequency (MHz)	3485.01	3500.01	3514.98		
70M	CP-OFDM QPSK	1	1	23.84	23.80	23.75	25
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up	
		Frequency (MHz)	3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	23.76	23.79	23.78	25
BW	MCS Index	Channel	631668	633334	635000	Max. Tune-up	
		Frequency (MHz)	3475.02	3500.01	3525		
50M	CP-OFDM QPSK	1	1	23.79	23.75	23.75	25
BW	MCS Index	Channel	631334	633334	635332	Max. Tune-up	
		Frequency (MHz)	3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	23.81	23.79	23.81	25
BW	MCS Index	Channel	631000	633334	635666	Max. Tune-up	
		Frequency (MHz)	3465	3500.01	3534.99		
30M	CP-OFDM QPSK	1	1	23.75	23.75	23.71	25
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up	
		Frequency (MHz)	3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	23.81	23.82	23.71	25

Normal Default

PC2_n41 (SCS 30 kHz)_UL MIMO (Ant0+2)							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
				Channel	509202	518598	
			Frequency (MHz)	2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	23.28	23.34	23.42	24
		1	137	23.24	23.14	23.26	24
		1	271	23.22	23.29	23.35	24
		137	0	21.66	21.52	21.36	23
		137	68	23.21	23.02	23.25	24
		137	136	21.59	21.62	21.86	23
		273	0	22.13	21.52	21.64	23
		CP-OFDM 16QAM	1	1	22.71	22.66	22.46
	CP-OFDM 64QAM	1	1	20.91	20.87	20.69	22.5
	CP-OFDM 256QAM	1	1	18.83	18.59	18.64	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	23.16	23.19	23.31	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	23.20	23.29	23.29	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	23.20	23.25	23.35	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	23.13	23.25	23.31	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	23.21	23.24	23.34	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	23.17	23.22	23.35	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	23.20	23.23	23.34	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	23.16	23.24	23.33	24

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
					Mid		
		Channel	633334				
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	24.19		25	
		1	137	23.93		25	
		1	271	24.05		25	
		137	0	22.27		24	
		137	68	24.01		25	
		137	136	22.34		24	
		273	0	22.30		24	
	CP-OFDM 16QAM	1	1	23.08		24.5	
	CP-OFDM 64QAM	1	1	21.51		23	
	CP-OFDM 256QAM	1	1	18.62		20.5	
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.17	24.18	24.15	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.06	24.08	24.04	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.11	24.08	24.10	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.05	24.12	24.04	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.11	24.08	24.11	25

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	650000	656000	662000		
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	24.60	24.63	24.75	25
		1	137	24.47	24.48	24.71	25
		1	271	24.45	24.53	24.62	25
		137	0	22.99	23.04	23.05	24
		137	68	24.34	24.39	24.54	25
		137	136	22.88	22.99	23.01	24
		273	0	22.95	22.98	23.03	24
	CP-OFDM 16QAM	1	1	23.97	24.13	24.05	24.5
	CP-OFDM 64QAM	1	1	22.22	22.33	22.34	23
	CP-OFDM 256QAM	1	1	19.39	19.40	19.39	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.33	24.51	24.68	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.32	24.54	24.66	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.33	24.56	24.65	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.35	24.55	24.69	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.32	24.55	24.71	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)			633334		
100M	CP-OFDM QPSK	1	1		24.34		25
		1	137		23.91		25
		1	271		24.05		25
		137	0		22.41		24
		137	68		24.22		25
		137	136		22.31		24
		273	0		22.38		24
	CP-OFDM 16QAM	1	1		23.42		24
	CP-OFDM 64QAM	1	1		21.75		22.5
	CP-OFDM 256QAM	1	1		18.87		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	24.27	24.32	24.29	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.22	24.29	24.25	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	24.19	24.26	24.19	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.17	24.31	24.22	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	24.14	24.22	24.24	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.16	24.28	24.23	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.23	24.27	24.23	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.20	24.18	24.24	25

BW	Modulation	LTE Band 2 (Aster)									
		RB Size	RB Count	Low	Mid	High	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK		1	0	23.64	23.62	23.48	0	24			
		1	0	23.64	23.62	23.48	0	24			
		1	98	23.57	23.49	23.59	0	24			
		20	0	23.77	22.60	22.69	0	23			
		30	0	23.76	22.61	22.69	0	23			
16QAM		80	0	23.60	22.52	22.65	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	50	22.55	22.77	22.82	0	23			
		1	50	22.45	22.72	22.76	0	23			
256QAM		50	0	21.77	21.62	21.67	0	22			
		20	20	21.75	21.56	21.64	0	22			
		1	50	21.69	21.51	21.59	0	22			
		100	0	21.68	21.57	21.66	0	22			
		1	50	21.68	21.57	21.66	0	22			
64QAM		1	50	21.81	21.63	21.75	0	22			
		1	89	20.76	21.57	21.71	0	22			
		50	0	20.81	20.63	20.74	0	22			
		50	25	20.77	20.60	20.69	0	21			
		100	50	20.66	20.51	20.70	0	21			
256QAM		100	50	20.73	20.53	20.65	0	21			
		1	0	18.80	18.72	18.66	0	19			
		1	0	18.80	18.72	18.66	0	19			
		1	90	18.73	18.60	18.78	0	19			
		50	0	18.78	18.61	18.69	0	19			
64QAM		50	25	18.77	18.60	18.68	0	19			
		50	50	18.60	18.49	18.78	0	19			
256QAM		100	50	18.72	18.61	18.71	0	19			
		1	0	18.72	18.61	18.71	0	19			
		1	90	18.73	18.60	18.78	0	19			
64QAM		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
256QAM		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
64QAM		1	0	18.78	18.62	18.60	0	19			

BW	Modulation	LTE Band 2 (Aster)									
		RB Size	RB Count	Low	Mid	High	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK		1	0	23.64	23.62	23.48	0	24			
		1	0	23.64	23.62	23.48	0	24			
		1	98	23.57	23.49	23.59	0	24			
		20	0	23.77	22.60	22.69	0	23			
		30	0	23.76	22.61	22.69	0	23			
16QAM		80	0	23.60	22.52	22.65	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	50	22.55	22.77	22.82	0	23			
		1	50	22.45	22.72	22.76	0	23			
256QAM		50	0	21.77	21.62	21.67	0	22			
		20	20	21.75	21.56	21.64	0	22			
		1	50	21.69	21.51	21.59	0	22			
		100	0	21.68	21.57	21.66	0	22			
		1	50	21.68	21.57	21.66	0	22			
64QAM		1	50	21.81	21.63	21.75	0	22			
		1	89	20.76	21.57	21.71	0	22			
		50	0	20.81	20.63	20.74	0	22			
		50	25	20.77	20.60	20.69	0	21			
		100	50	20.66	20.51	20.70	0	21			
256QAM		100	50	20.73	20.53	20.65	0	21			
		1	0	18.80	18.72	18.66	0	19			
		1	0	18.80	18.72	18.66	0	19			
		1	90	18.73	18.60	18.78	0	19			
		50	0	18.78	18.61	18.69	0	19			
64QAM		50	25	18.77	18.60	18.68	0	19			
		50	50	18.60	18.49	18.78	0	19			
256QAM		100	50	18.72	18.61	18.71	0	19			
		1	0	18.72	18.61	18.71	0	19			
		1	90	18.73	18.60	18.78	0	19			
64QAM		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
256QAM		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
		1	90	18.74	18.64	18.66	0	19			
		1	0	18.78	18.62	18.60	0	19			
64QAM		1	0	18.78	18.62	18.60	0	19			

		LTE Band 20 (Aster)						
BW	Modulation	RB Size		RB Offset		RB	Subcarrier	Subcarrier
		Channel	Frequency (MHz)	Offset (MHz)	Offset (MHz)			
10M	QPSK	1	0	27738	27738	0	24.5	
		1	24	27738	27738	0	24.5	
		1	48	27738	27738	0	24.5	
		25	0	27738	27738	1	23.5	
		25	12	27738	27738	1	23.5	
		25	25	27738	27738	1	23.5	
	16QAM	1	0	27738	27738	1	23.5	
		1	24	27738	27738	1	23.5	
		1	48	27738	27738	1	23.5	
		25	0	27738	27738	2	22.5	
		25	12	27738	27738	2	22.5	
		25	25	27738	27738	2	22.5	
	64QAM	1	0	27738	27738	3	21.5	
		1	24	27738	27738	3	21.5	
		1	48	27738	27738	3	21.5	
		25	12	27738	27738	3	21.5	
		25	25	27738	27738	3	21.5	
		25	0	27738	27738	3	21.5	
	256QAM	1	0	27738	27738	5	19.5	
		1	24	27738	27738	5	19.5	
		1	48	27738	27738	5	19.5	
		25	0	27738	27738	5	19.5	
		25	12	27738	27738	5	19.5	
		25	25	27738	27738	5	19.5	
5M	QPSK	1	0	27738	27738	0	24.5	
		1	12	27738	27738	0	24.5	
		1	24	27738	27738	0	24.5	
		12	0	27738	27738	1	23.5	
		12	12	27738	27738	1	23.5	
		12	24	27738	27738	1	23.5	
	16QAM	1	0	27738	27738	1	23.5	
		1	12	27738	27738	1	23.5	
		1	24	27738	27738	1	23.5	
		12	0	27738	27738	2	22.5	
		12	12	27738	27738	2	22.5	
		12	24	27738	27738	2	22.5	
	64QAM	1	0	27738	27738	3	21.5	
		1	12	27738	27738	3	21.5	
		1	24	27738	27738	3	21.5	
		12	0	27738	27738	3	21.5	
		12	12	27738	27738	3	21.5	
		12	24	27738	27738	3	21.5	
	256QAM	1	0	27738	27738	5	19.5	
		1	12	27738	27738	5	19.5	
		1	24	27738	27738	5	19.5	
		12	0	27738	27738	5	19.5	
		12	12	27738	27738	5	19.5	
		12	24	27738	27738	5	19.5	

BWP	Subcarriers	LTE Band 41 (2535 - 2600MHz) PC3 (2x2)											
		RB Size	RB Offset	Low	Low-Mid	Mid	High-Mid	High	SC-FDMA	SC-FDMA	SC-FDMA	SC-FDMA	
		Frequency (MHz)	Channel	Start	End	Start	End	Start	End	Start	End	Start	End
OFDM	1	6	22,21	22,25	23,30	23,60	22,28	0	24				
	2	50	21,18	21,22	22,25	23,30	23,60	21,20	0	24			
	1	89	22,18	22,21	22,27	23,30	23,17	0	24				
	50	6	21,23	21,26	21,24	21,36	21,37	1	23				
	25	21,24	21,30	21,24	21,30	21,30	21,30	1	23				
100MHz	50	10	21,22	21,32	21,37	21,52	21,29	1	23				
	25	10	21,32	21,41	21,45	21,55	21,29	1	23				
	1	90	21,31	21,35	21,35	21,39	21,29	1	23				
	1	90	21,25	21,27	21,20	21,48	21,10	1	23				
	50	21,26	21,31	21,31	21,31	21,31	21,31	1	23				
150MHz	50	6	20,31	20,33	20,20	20,44	20,18	1	22				
	50	25	20,36	20,34	20,34	20,43	20,20	2	22				
	50	25	20,32	20,34	20,34	20,43	20,20	2	22				
	1	90	20,42	20,43	20,37	20,41	20,41	2	22				
	1	90	20,48	20,45	20,52	20,58	20,46	2	22				
200MHz	50	10	19,29	19,31	19,29	19,38	19,31	1	21				
	50	25	19,33	19,38	19,38	19,46	19,34	3	21				
	50	30	19,36	19,39	19,33	19,44	19,34	3	21				
	50	30	19,32	19,36	19,36	19,42	19,34	3	21				
	1	17,27	17,27	17,30	17,52	17,30	17,50	0	19				
250MHz	50	10	17,27	17,29	17,27	17,32	17,29	1	19				
	1	99	17,19	17,19	17,28	17,42	17,12	0	19				
	50	6	17,33	17,33	17,45	17,53	17,44	0	19				
	50	10	17,32	17,32	17,45	17,53	17,44	0	19				
	50	10	17,31	17,31	17,28	17,44	17,28	0	19				
300MHz	50	10	17,24	17,24	17,31	17,38	17,22	0	19				
	50	10	17,22	17,22	17,31	17,38	17,22	0	19				
	1	107	17,15	17,15	17,15	17,15	17,15	0	17				
	1	137	22,14	22,13	22,21	22,10	22,28	0	24				
	1	74	22,17	22,18	22,21	22,24	22,16	0	24				
OFDM	1	37	21,06	21,16	21,11	21,45	21,12	0	24				
	36	19	21,21	21,28	21,38	21,46	21,12	0	24				
	36	39	21,17	21,23	21,30	21,45	21,11	1	23				
	36	19	21,18	21,17	21,17	21,17	21,17	1	23				
	1	6	21,29	21,32	21,10	21,50	21,29	1	23				
100MHz	1	37	21,14	21,15	21,15	21,15	21,15	1	23				
	1	74	21,05	21,08	21,05	21,30	21,04	1	23				
	36	6	20,21	20,22	20,19	20,43	20,20	2	22				
	36	19	20,32	20,30	20,27	20,31	20,13	1	22				
	36	39	20,25	20,27	20,24	20,30	20,12	2	22				
150MHz	75	6	20,31	20,39	20,39	20,50	20,29	2	22				
	36	39	20,34	20,32	20,30	20,40	20,38	2	22				
	1	37	20,30	20,23	20,39	20,50	20,30	2	22				
	36	39	20,32	20,30	20,30	20,40	20,38	2	22				
	36	39	20,32	20,30	20,30	20,40	20,38	2	22				
200MHz	75	6	19,17	19,18	19,19	19,22	19,08	2	21				
	36	39	19,27	19,36	19,32	19,45	19,32	3	21				
	36	39	19,26	19,35	19,32	19,45	19,32	3	21				
	75	6	19,24	19,23	19,18	19,31	19,22	3	21				
	1	6	17,13	17,14	17,22	17,41	17,22	0	19				
250MHz	1	37	17,29	17,30	17,30	17,36	17,30	1	19				
	1	74	17,12	17,08	17,07	17,40	17,08	0	19				
	36	39	17,16	17,18	17,17	17,24	17,17	1	19				
	36	19	17,13	17,15	17,23	17,31	17,17	0	19				
	36	39	17,27	17,24	17,23	17,34	17,11	0	19				
300MHz	1	1	17,18	17,18	17,18	17,18	17,18	0	17				
	1	137	22,15	22,15	22,15	22,15	22,15	0	24				
	1	24	22,17	22,09	22,27	22,49	22,21	0	24				
	1	49	22,10	22,16	22,34	22,56	22,18	0	24				
	25	12	21,11	21,12	21,15	21,45	21,11	1	23				
OFDM	25	12	21,20	21,23	21,39	21,48	21,13	1	23				
	25	12	21,07	21,11	21,27	21,44	21,07	1	23				
	50	6	21,07	21,18	21,27	21,44	21,07	1	23				
	1	6	21,23	21,34	21,24	21,54	21,18	1	23				
	1	24	21,17	21,18	21,07	21,54	21,07	1	23				
100MHz	1	49	21,19	21,02	21,09	21,32	20,11	1	23				
	1	24	21,18	21,18	21,07	21,54	21,07	1	23				
	1	49	21,19	21,02	21,09	21,32	20,11	1	23				
	25	12	20,32	20,32	20,19	20,38	20,18	1	22				
	25	25	20,13	20,22	20,32	20,38	20,21	2	22				
150MHz	1	1	20,38	20,34	20,43	20,51	20,28	2	22				
	1	6	20,36	20,16	20,30	20,53	20,21	2	22				
	1	24	20,40	20,24	20,34	20,47	20,34	2	22				
	1	49	20,46	20,37	20,51	20,54	20,38	2	22				
	25	12	19,22	19,26	19,15	19,36	19,07	3	21				
200MHz	25	12	19,36	19,56	19,56	19,64	19,22	3	21				
	25	25	19,21	19,34	19,34	19,34	19,18	3	21				
	50	6	19,14	19,22	19,30	19,31	19,07	3	21				
	1	1	17,12	17,13	17,27	17,44	17,26	0	19				
	1	24	17,39	17,34	17,63	17,50	17,53	0	19				
250MHz	1	49	17,12	17,11	17,11	17,33	17,15	0	19				
	1	1	17,27	17,19	17,42	17,56	17,29	0	19				
	25	12	17,11	17,21	17,20	17,28	17,08	0	19				
	25	25	17,17	17,20	17,20	17,21	17,14	0	19				
	50	6	17,16	17,23	17,24	17,33	17,12	0	19				
300MHz	1	6	17,16	17,17	17,20	17,30	17,16	0	19				
	1	6	20,12	20,12	22,19	22,59	22,22	0	24				
	1	12	22,13	22,09	22,27	22,57	22,13	0	24				
	1	24	22,12	22,12	22,22	22,52	22,11	0	24				
	50	6	21,16	21,13	21,13	21,43	21,11	1	23				
OFDM	50	6	21,17	21,17	21,17	21,17	21,17	1	23				
	12	13	21,11	21,27	21,13	21,47	21,11	1	23				
	25	6	21,19	21,16	21,25	21,53	21,12	1	23				
	1	1	21,05	21,06	21,19	21,51	21,12	1	23				
	1	12	21,12	21,22	21,07	21,39	20,09	1	23				
100MHz	1	24	21,17	21,03	21,10	21,33	20,07	1	23				
	12	6	20,31	20,39	20,19	20,49	20,19	2	22				
	12	6	20,33	20,21	20,32	20,30	20,21	2	22				
	25	12	20,14	20,15	20,20	20,21	20,14	2	22				
	25	12	20,37	20,38	20,41	20,51	20,34	2	22				
150MHz	1	6	20,32	20,17	20,38	20,53	20,26	2	22				
	1	12	20,36	20,31	20,36	20,50	20,36	2	22				
	1	24	20,37	20,44	20,30	20,47	20,41	2	22				
	12	6	19,12	19,16	19,14	19,39	19,08	3	21				
	12	13	19,31	19,36	19,13	19,36	19,39	3	21				
200MHz	12	13	19,23	19,38	19,29	19,41	19,03	3	21				
	25	6	17,24	17,21	17,20	17,51	17,19	0	19				
	1	12	17,39	17,38	17,61	17,68	17,61	0	19				
	1	24	17,11	17,06	17,47	17,27	17,14	0	19				
	12	6	17,22	17,18	17,20	17,40	17,29	0	19				
250MHz	12	6	17,19	17,22	17,16	17,26	17,16	0	19				
	13	12	17,22	17,25	17,23	17,35	17,21	0	19				
	25	6	17,16	17,18	17,18	17,25	17,07	0	19				

LTE Band 68 (Arif)											
BW	Modulation	RB Size	252 Channels	LTE Band 68 (Arif)			Tx Power	Tx Power	Tx Power	Tx Power	Tx Power
		Channel	Frequency (MHz)	1500	1500	1500					
20M	QPSK	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
	16QAM	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
15M	QPSK	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
	16QAM	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
10M	QPSK	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
	16QAM	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
5M	QPSK	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
	16QAM	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
2.5M	QPSK	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24
	16QAM	1	0	21872	21872	21872	0	24	24	24	24
		1	50	21877	21877	21877	0	24	24	24	24
		1	100	21882	21882	21882	0	24	24	24	24
		1	150	21887	21887	21887	0	24	24	24	24
		1	200	21892	21892	21892	0	24	24	24	24

Normal Default

n2 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.61	23.55	23.32	24.5
		1	53	23.46	23.30	23.36	24.5
		1	104	23.52	23.32	23.33	24.5
		50	0	23.05	22.97	22.86	24
		50	28	23.58	23.49	23.44	24.5
		50	56	23.04	22.99	22.85	24
		100	0	23.10	22.95	22.89	24
	DFT-s-OFDM QPSK	1	1	23.63	23.61	23.49	24.5
		1	53	23.51	23.38	23.42	24.5
		1	104	23.47	23.40	23.36	24.5
		50	0	22.65	22.53	22.46	23.5
		50	28	23.61	23.51	23.46	24.5
		50	56	22.57	22.48	22.40	23.5
		100	0	22.67	22.56	22.56	23.5
	DFT-s-OFDM 16QAM	1	1	22.99	22.91	22.61	23.5
	DFT-s-OFDM 64QAM	1	1	20.74	20.75	20.45	22
	DFT-s-OFDM 256QAM	1	1	18.73	18.59	18.46	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.59	23.55	23.41	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.39	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.52	23.44	24.5

n25 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.59	23.43	23.48	24.5
		1	53	23.57	23.39	23.58	24.5
		1	104	23.52	23.45	23.50	24.5
		50	0	23.07	22.86	23.08	24
		50	28	23.54	23.33	23.57	24.5
		50	56	23.02	22.83	23.08	24
		100	0	23.03	22.81	23.05	24
	DFT-s-OFDM QPSK	1	1	23.65	23.47	23.60	24.5
		1	53	23.52	23.41	23.53	24.5
		1	104	23.54	23.39	23.57	24.5
		50	0	22.53	22.48	22.65	23.5
		50	28	23.55	23.43	23.52	24.5
		50	56	22.59	22.45	22.48	23.5
		100	0	22.59	22.43	22.55	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.79	22.75	23.5
	DFT-s-OFDM 64QAM	1	1	20.77	20.65	20.71	22
	DFT-s-OFDM 256QAM	1	1	18.53	18.41	18.52	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.53	23.57	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.49	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.51	24.5

PC3_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	22.44	22.47	22.59	24
		1	137	22.34	22.40	22.51	24
		1	271	22.30	22.80	22.54	24
		135	0	22.31	22.32	22.51	23.5
		135	69	22.39	22.37	22.55	24
		135	138	22.24	22.43	22.50	23.5
		270	0	22.31	22.45	22.49	23.5
	DFT-s-OFDM QPSK	1	1	22.46	22.75	22.83	24
		1	137	22.42	22.53	22.72	24
		1	271	22.43	22.72	22.81	24
		135	0	22.28	22.37	22.54	23
		135	69	22.30	22.44	22.68	24
		135	138	22.23	22.42	22.62	23
		270	0	22.32	22.43	22.54	23
	DFT-s-OFDM 16QAM	1	1	22.15	22.32	22.49	23
	DFT-s-OFDM 64QAM	1	1	21.79	21.87	21.72	22.5
	DFT-s-OFDM 256QAM	1	1	20.10	19.95	19.95	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.41	22.70	22.79	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.40	22.73	22.80	24
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.37	22.73	22.81	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.45	22.74	22.82	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.44	22.72	22.77	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
40M	DFT-s-OFDM QPSK	1	1	22.42	22.71	22.78	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
30M	DFT-s-OFDM QPSK	1	1	22.43	22.76	22.76	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.42	22.70	22.77	24

PC2_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	24.45	24.68	24.65	25
		1	137	24.28	24.48	24.63	25
		1	271	24.31	24.65	24.64	25
		135	0	23.80	23.62	23.84	24.5
		135	69	24.26	24.43	24.66	25
		135	138	23.74	24.06	24.22	24.5
		270	0	23.86	23.91	24.18	24.5
	DFT-s-OFDM QPSK	1	1	24.44	24.59	24.74	25
		1	137	24.28	24.37	24.71	25
		1	271	24.35	24.57	24.72	25
		135	0	23.27	23.31	23.52	24
		135	69	24.36	24.43	24.71	25
		135	138	23.31	23.58	23.77	24
		270	0	23.28	23.55	23.64	24
	DFT-s-OFDM 16QAM	1	1	23.32	23.34	23.45	24
	DFT-s-OFDM 64QAM	1	1	21.81	22.01	21.68	22.5
	DFT-s-OFDM 256QAM	1	1	19.71	20.04	19.92	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.41	24.56	24.70	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.42	24.53	24.72	25
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.40	24.57	24.71	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.43	24.56	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.40	24.52	24.73	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.38	24.50	24.70	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.39	24.55	24.67	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.37	24.54	24.64	25

n66 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P/2 BPSK	1	1	23.45	23.44	23.43	24.5
		1	80	23.43	23.51	23.28	24.5
		1	158	23.48	23.31	23.17	24.5
		80	0	23.09	23.08	22.95	24
		80	40	23.46	23.50	23.41	24.5
		80	80	23.03	22.98	22.85	24
		160	0	23.06	23.01	22.98	24
	DFT-s-OFDM QPSK	1	1	23.53	23.58	23.49	24.5
		1	80	23.41	23.54	23.39	24.5
		1	158	23.49	23.33	23.32	24.5
		80	0	22.52	22.63	22.45	23.5
		80	40	23.44	23.49	23.45	24.5
		80	80	22.56	22.51	22.36	23.5
		160	0	22.62	22.63	22.43	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.62	22.62	23.5
	DFT-s-OFDM 64QAM	1	1	20.53	20.58	20.48	22
	DFT-s-OFDM 256QAM	1	1	18.55	18.62	18.57	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.51	23.56	23.44	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.51	23.41	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.44	23.45	23.38	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.47	23.52	22.42	24.5

Normal_Default

CA_2C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
18700	1860	18898	1879.8	QPSK	1	99	1	0	23.81	24
				16QAM	1	99	1	0	22.82	23
				64QAM	1	99	1	0	21.71	22
				256QAM	1	99	1	0	18.84	19
18801	1870.1	18999	1889.9	QPSK	1	99	1	0	23.83	24
				16QAM	1	99	1	0	22.84	23
				64QAM	1	99	1	0	21.75	22
				256QAM	1	99	1	0	18.89	19
18902	1880.2	19100	1900	QPSK	1	99	1	0	23.69	24
				16QAM	1	99	1	0	22.87	23
				64QAM	1	99	1	0	21.84	22
				256QAM	1	99	1	0	18.81	19

CA_5B ANT0										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	23.73	24
				16QAM	1	49	1	0	22.91	23
				64QAM	1	49	1	0	19.88	22
				256QAM	1	49	1	0	18.96	19
20476	831.6	20575	841.5	QPSK	1	49	1	0	23.83	24
				16QAM	1	49	1	0	22.84	23
				64QAM	1	49	1	0	21.87	22
				256QAM	1	49	1	0	18.87	19
20501	834.1	20600	844	QPSK	1	49	1	0	23.88	24
				16QAM	1	49	1	0	22.85	23
				64QAM	1	49	1	0	21.83	22
				256QAM	1	49	1	0	18.81	19

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.61	24
				16QAM	1	99	1	0	22.73	23
				64QAM	1	99	1	0	21.69	22
				256QAM	1	99	1	0	18.60	19
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.64	24
				16QAM	1	99	1	0	22.70	23
				64QAM	1	99	1	0	21.73	22
				256QAM	1	99	1	0	18.59	19
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.72	24
				16QAM	1	99	1	0	22.81	23
				64QAM	1	99	1	0	21.72	22
				256QAM	1	99	1	0	18.88	19

CA_12B ANT0										
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
23038	701.8	23110	709	QPSK	1	24	1	0	23.24	24
				16QAM	1	24	1	0	22.58	23
				64QAM	1	24	1	0	21.11	22
				256QAM	1	24	1	0	18.55	19
23048	702.8	23120	710	QPSK	1	24	1	0	23.21	24
				16QAM	1	24	1	0	22.57	23
				64QAM	1	24	1	0	21.04	22
				256QAM	1	24	1	0	18.60	19
23058	703.8	23130	711	QPSK	1	24	1	0	23.35	24
				16QAM	1	24	1	0	22.67	23
				64QAM	1	24	1	0	21.19	22
				256QAM	1	24	1	0	18.62	19

CA_38C Ant0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.31	24.5
				16QAM	1	99	1	0	23.33	23.5
				64QAM	1	99	1	0	22.40	22.5
				256QAM	1	99	1	0	19.38	19.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.23	24.5
				16QAM	1	99	1	0	23.29	23.5
				64QAM	1	99	1	0	22.29	22.5
				256QAM	1	99	1	0	19.39	19.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	24.18	24.5
				16QAM	1	99	1	0	23.22	23.5
				64QAM	1	99	1	0	22.20	22.5
				256QAM	1	99	1	0	19.31	19.5

CA_41C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
39750	2506	39948	2525.8	QPSK	1	99	1	0	22.63	24
				16QAM	1	99	1	0	21.53	23
				64QAM	1	99	1	0	20.71	22
				256QAM	1	99	1	0	17.61	19
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.01	24
				16QAM	1	99	1	0	21.97	23
				64QAM	1	99	1	0	21.07	22
				256QAM	1	99	1	0	17.93	19
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.11	24
				16QAM	1	99	1	0	22.03	23
				64QAM	1	99	1	0	21.19	22
				256QAM	1	99	1	0	18.04	19

CA_42C ANT7 Part27Q										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
42190	3460	42388	3479.8	QPSK	1	99	1	0	23.55	24.5
				16QAM	1	99	1	0	22.62	23.5
				64QAM	1	99	1	0	21.76	22.5
				256QAM	1	99	1	0	18.82	19.5
42491	3490.1	42689	3509.9	QPSK	1	99	1	0	23.48	24.5
				16QAM	1	99	1	0	22.54	23.5
				64QAM	1	99	1	0	21.54	22.5
				256QAM	1	99	1	0	18.77	19.5
42792	3520.2	42990	3540	QPSK	1	99	1	0	23.64	24.5
				16QAM	1	99	1	0	22.67	23.5
				64QAM	1	99	1	0	21.56	22.5
				256QAM	1	99	1	0	18.85	19.5

CA_42C ANT7 Part96										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
43190	3560	43388	3579.8	QPSK	1	99	1	0	23.53	24.5
				16QAM	1	99	1	0	22.60	23.5
				64QAM	1	99	1	0	21.66	22.5
				256QAM	1	99	1	0	18.71	19.5
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	23.38	24.5
				16QAM	1	99	1	0	22.48	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.73	19.5
43292	3570.2	43490	3590	QPSK	1	99	1	0	23.57	24.5
				16QAM	1	99	1	0	22.66	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.71	19.5

Sim-TX_Receiver on DB1

LTE Band 2 (Avt2)											
BW	Modulation	RB Size		RB Offset		Low	Mid	High	3GPP MPR (dB)	Max. Time-avg. (dB)	Max. Time-peak (dB)
		Channel	Frequency (MHz)	1800	1800	1800					
20M	QPSK	1	0	21.29	21.31	21.00	0	21.0	0	21.0	0
		1	50	21.00	21.13	20.86	0	21.0	0	21.0	0
		1	90	21.24	20.99	20.86	0	21.0	0	21.0	0
		50	0	20.10	20.12	19.98	1	20.0	0	20.0	0
		50	50	20.01	20.00	19.97	1	20.0	0	20.0	0
	16QAM	100	0	19.99	20.04	19.88	1	20.0	0	20.0	0
		1	50	20.06	20.16	20.12	0	20.0	0	20.0	0
		1	90	20.27	20.22	19.99	1	20.0	0	20.0	0
		1	90	20.23	20.11	19.98	1	20.0	0	20.0	0
		50	0	19.26	19.32	19.00	2	19.0	0	19.0	0
20M	16QAM	50	25	19.33	19.03	18.00	2	19.0	0	19.0	0
		50	50	19.19	19.02	18.00	2	19.0	0	19.0	0
		100	0	19.31	19.18	19.00	2	19.0	0	19.0	0
		1	0	19.28	19.34	19.88	2	19.0	0	19.0	0
		1	50	19.01	19.21	19.88	2	19.0	0	19.0	0
	20QAM	1	90	18.93	18.84	18.83	2	19.0	0	19.0	0
		50	0	18.41	18.26	18.03	3	18.0	0	18.0	0
		50	25	18.50	18.00	17.00	3	18.0	0	18.0	0
		50	50	18.20	17.94	17.89	3	18.0	0	18.0	0
		100	0	18.36	18.01	18.00	3	18.0	0	18.0	0
20M	16QAM	1	0	18.34	18.20	18.10	2	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
	20QAM	50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
20M	16QAM	50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		50	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
		1	0	18.31	18.24	18.00	5	18.0	0	18.0	0
	20QAM	1	50	18.28	18.00	18.00	5	18.0	0	18.0	0
		1	90	18.48	18.23	18.00	5	18.0	0	18.0	0
		50	0	18.48	18.34	18.18	5	18.0	0	18.0	0
		50	25	18.45	18.20	18.00	5	18.0	0	18.0	0
		100	0	18.31	18.24	18.00	5	18.0	0	18.0	0
20M	16QAM	1	0	18.31							

LTE Band 7 (Axi0)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	
		Channel	2000	2100	2100	2100	MPK	Time-up	
20M	QPSK	Frequency (MHz)	2000	2100	2100	2100	MPK	Time-up	
		1	0	22.66	22.28	22.42	0	23	
		1	50	22.39	22.22	22.38	0	23	
		1	99	22.18	22.10	22.20	0	23	
		50	0	21.47	22.29	21.38	1	22	
		50	50	21.59	21.39	21.39	1	22	
		50	100	21.22	21.20	21.34	1	22	
		100	0	21.34	21.20	21.23	1	22	
		1	50	21.73	21.49	21.56	1	22	
		1	99	21.47	21.39	21.55	1	22	
10M	16QAM	50	0	20.52	20.31	20.52	2	21	
		50	25	20.41	20.29	20.52	2	21	
		50	50	20.28	20.26	20.31	2	21	
		100	0	20.37	20.24	20.33	2	21	
		1	0	20.88	20.45	20.97	2	21	
		1	50	20.48	20.37	20.54	2	21	
		1	99	20.25	20.39	20.47	2	21	
		50	0	19.56	19.29	19.34	3	20	
		50	25	19.38	19.26	19.35	3	20	
		50	50	19.25	19.30	19.40	3	20	
5M	64QAM	100	0	19.38	19.28	19.37	3	20	
		1	0	17.57	17.48	17.42	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
20M	16QAM	50	0	17.20	17.41	17.38	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
10M	64QAM	100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
5M	256QAM	50	0	17.20	17.41	17.38	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
20M	16QAM	100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
10M	64QAM	100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
		1	99	17.20	17.41	17.38	5	19	
		50	0	17.62	17.35	17.37	5	19	
		50	25	17.39	17.28	17.35	5	19	
		50	50	17.27	17.23	17.44	5	19	
		100	0	17.43	17.28	17.34	5	19	
		1	0	17.43	17.28	17.34	5	19	
		1	50	17.44	17.38	17.49	5	19	
5M	256QAM	50	0	17.20	17.41	17.38	5	19	
		50	25	17.39	17.28	17.35	5	19	

LTE Band 14 (4x10)										
BW	Modulation	RB Size	RB Offset	Mid	SDFP	Max. Twp-up	MFR	MFR	Max. Twp-up	
		Channel	Channel	Channel						
700										
OFDM		1	0	23.53	0	24				
		1	24	23.46	0	24				
		1	49	23.42	0	24				
		25	0	22.45	1	23				
		25	12	22.41	1	23				
		25	25	22.39	1	23				
		50	0	22.36	1	23				
		50	0	22.31	1	23				
		1	24	22.67	1	23				
		1	49	22.71	1	23				
10M		25	0	21.52	2	22				
		25	12	21.40	2	22				
		25	25	21.43	2	22				
		50	0	21.45	2	22				
	SACM	1	0	21.73	2	22				
		1	24	21.70	2	22				
		1	49	21.64	2	22				
		25	0	20.40	3	21				
		25	25	20.44	3	21				
20M		50	0	20.43	3	21				
		1	0	18.60	5	19				
		1	24	18.59	5	19				
		1	49	18.50	5	19				
		25	0	18.53	5	19				
		25	12	18.48	5	19				
		25	25	18.45	5	19				
		50	0	18.59	5	19				
OFDM		1	0	23.56	0	24				
		1	24	23.49	0	24				
		1	49	23.45	0	24				
		25	0	22.38	1	23				
		25	12	22.33	1	23				
		25	25	22.30	1	23				
		50	0	22.33	1	23				
		50	0	22.28	1	23				
		1	24	22.64	1	23				
		1	49	22.68	1	23				
10M		25	0	21.56	2	22				
		25	12	21.44	2	22				
		25	25	21.47	2	22				
		50	0	21.49	2	22				
	SACM	1	0	21.76	2	22				
		1	24	21.74	2	22				
		1	49	21.68	2	22				
		25	0	20.46	3	21				
		25	25	20.51	3	21				
20M		50	0	20.49	3	21				
		1	0	18.63	5	19				
		1	24	18.62	5	19				
		1	49	18.53	5	19				
		25	0	18.56	5	19				
		25	12	18.51	5	19				
		25	25	18.46	5	19				
		50	0	18.63	5	19				
OFDM		1	0	23.59	0	24				
		1	24	23.52	0	24				
		1	49	23.48	0	24				
		25	0	22.41	1	23				
		25	12	22.36	1	23				
		25	25	22.33	1	23				
		50	0	22.36	1	23				
		50	0	22.31	1	23				
		1	24	22.69	1	23				
		1	49	22.73	1	23				
10M		25	0	21.59	2	22				
		25	12	21.47	2	22				
		25	25	21.50	2	22				
		50	0	21.52	2	22				
	SACM	1	0	21.79	2	22				
		1	24	21.77	2	22				
		1	49	21.71	2	22				
		25	0	20.49	3	21				
		25	25	20.54	3	21				
20M		50	0	20.57	3	21				
		1	0	18.66	5	19				
		1	24	18.65	5	19				
		1	49	18.56	5	19				
		25	0	18.59	5	19				
		25	12	18.54	5	19				
		25	25	18.49	5	19				
		50	0	18.66	5	19				

LTE Band 25 (AxiD)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	Max. Twp-up (dBm)	MFR (dB)
		Channel	Channel	Channel	Channel	Channel			
OFDM		1	0	21.23	21.07	20.92	0	21.5	
		1	50	21.28	21.11	20.89	0	21.5	
		1	99	21.25	20.97	20.70	0	21.5	
		50	0	20.35	20.20	20.17	1	20.5	
		50	50	20.29	20.04	20.05	1	20.5	
		50	50	20.23	20.01	19.98	1	20.5	
		100	0	20.35	20.09	19.99	1	20.5	
		1	0	19.45	19.49	19.30	2	19.5	
		1	99	20.32	20.35	20.10	1	20.5	
		50	0	19.35	19.31	19.05	2	19.5	
10M		50	25	19.32	19.20	19.05	2	19.5	
		50	50	19.15	19.14	19.00	2	19.5	
		100	0	19.38	19.05	19.00	2	19.5	
		1	0	19.41	19.32	19.42	2	19.5	
		1	50	19.44	19.38	19.24	2	19.5	
		1	99	19.39	19.10	19.19	2	19.5	
		50	0	19.35	19.22	19.25	3	19.5	
		50	50	19.15	19.05	19.01	3	19.5	
20M		100	0	19.15	19.05	19.01	3	19.5	
		1	0	18.35	18.40	18.37	5	18.5	
		1	50	18.35	18.34	18.38	5	18.5	
		1	99	18.43	18.33	18.33	5	18.5	
		50	0	18.32	18.31	18.26	5	18.5	
		50	25	18.24	18.22	18.28	5	18.5	
		50	50	18.12	18.05	18.07	5	18.5	
		100	0	18.13	18.10	18.01	5	18.5	
OFDM		1	0	18.15	18.08	18.03	5	18.5	
		1	0	18.15	18.08	18.03	5	18.5	
		1	74	18.15	18.08	18.03	5	18.5	
		38	0	18.15	18.08	18.03	5	18.5	
		38	19	18.15	18.08	18.03	5	18.5	
		38	38	18.15	18.08	18.03	5	18.5	
		75	0	18.15	18.08	18.03	5	18.5	
		1	37	18.15	18.08	18.03	5	18.5	
		1	74	18.15	18.08	18.03	5	18.5	
		38	0	18.15	18.08	18.03	5	18.5	
10M		38	19	18.15	18.08	18.03	5	18.5	
		38	38	18.15	18.08	18.03	5	18.5	
		75	0	18.15	18.08	18.03	5	18.5	
		1	37	18.15	18.08	18.03	5	18.5	
		1	74	18.15	18.08	18.03	5	18.5	
		38	0	18.15	18.08	18.03	5	18.5	
		38	19	18.15	18.08	18.03	5	18.5	
		75	0	18.15	18.08	18.03	5	18.5	
20M		1	37	18.15	18.08	18.03	5	18.5	
		1	74	18.15	18.08	18.03	5	18.5	
		38	0	18.15	18.08	18.03	5	18.5	
		38	19	18.15	18.08	18.03	5	18.5	
		75	0	18.15	18.08	18.03	5	18.5	
		38	0	18.15	18.08	18.03	5	18.5	
		38	19	18.15	18.08	18.03	5	18.5	
		75	0	18.15	18.08	18.03	5	18.5	

LTE Band 25 (AxiD)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	Max. Twp-up	MFR
		Channel	Channel	Channel	Channel	Channel			
5M		Frequency (MHz)							
		1	0	22.90	22.94	23.13	0	24	
		1	37	22.92	22.92	23.27	0	24	
		1	74	22.96	23.15	23.31	0	24	
		36	0	21.99	22.01	22.25	1	23	
		36	36	21.97	22.13	22.42	1	23	
		75	0	21.97	22.13	22.42	1	23	
		1	0	22.96	22.97	23.35	1	23	
		1	37	22.97	22.97	23.32	1	23	
		1	74	22.12	22.25	22.58	1	23	
10M		36	0	20.98	21.00	21.26	2	22	
		36	18	21.00	21.14	21.38	2	22	
		36	50	21.03	21.25	21.48	2	22	
		75	0	20.96	21.14	21.37	2	22	
		1	0	21.98	21.98	21.24	2	22	
		1	37	21.95	21.11	21.44	2	22	
		1	74	20.98	21.17	21.45	2	22	
		36	0	19.99	20.06	20.33	3	21	
15M		36	18	19.96	20.13	20.36	3	21	
		75	0	19.96	20.14	20.39	3	21	
		1	0	18.92	18.91	18.91	5	19	
		1	37	17.94	18.13	18.37	5	19	
		1	74	18.07	18.43	18.50	5	19	
		36	0	17.91	18.08	18.31	5	19	
		36	18	17.96	18.01	18.37	5	19	
		36	50	18.00	18.10	18.46	5	19	
20M		75	0	18.02	18.20	18.35	5	19	
		1	0	16.92	16.91	16.91	7	17	
		1	37	15.94	16.13	16.37	7	17	
		1	74	16.07	16.43	16.50	7	17	
		36	0	15.91	16.08	16.31	7	17	
		36	18	15.96	16.01	16.37	7	17	
		36	50	16.00	16.10	16.46	7	17	
		75	0	16.02	16.20	16.35	7	17	
30M		Frequency (MHz)							
		1	0	22.90	22.92	23.12	0	24	
		1	24	22.91	22.93	23.11	0	24	
		36	0	20.98	21.00	21.26	2	22	
		36	18	21.00	21.14	21.38	2	22	
		36	50	21.03	21.25	21.48	2	22	
		75	0	20.96	21.14	21.34	3	21	
		75	36	20.99	21.08	21.37	3	21	
40M		1	24	22.92	23.18	23.41	1	23	
		1	49	22.90	22.94	23.46	1	23	
		36	0	20.98	21.00	21.26	2	22	
		36	18	21.00	21.14	21.38	2	22	
		36	50	21.03	21.25	21.48	2	22	
		75	0	20.96	21.14	21.34	3	21	
		75	36	20.99	21.08	21.37	3	21	
		1	24	22.93	23.19	23.46	2	22	
60M		1	49	20.91	21.13	21.41	2	21	
		25	0	19.98	20.04	20.19	3	21	
		25	18	19.99	20.08	20.33	3	21	
		25	25	19.99	20.04	20.40	3	21	
		50	0	19.97	20.01	20.46	3	21	
		50	18	19.98	20.04	20.46	3	21	
		1	24	17.84	18.04	18.26	5	19	
		1	49	17.85	18.04	18.26	5	19	
80M		25	12	17.82	18.00	18.50	5	19	
		25	18	17.86	18.02	18.50	5	19	
		50	0	17.85	18.00	18.50	5	19	
		50	18	17.85	18.00	18.50	5	19	
		1	24	17.84	18.04	18.26	5	19	
		1	49	17.85	18.04	18.26	5	19	
		25	12	17.82	18.00	18.50	5	19	
		25	18	17.86	18.02	18.50	5	19	
120M		50	0	17.85	18.00	18.25	5	19	

LTE Band 25 (AxiD)									
BW	Modulation	Channel	2000	2035	2055	SDFP	Max. Twp-up	MFR	Max. Twp-up
		Frequency (MHz)	785.5	791	785.5				
OFDM		1	0	23.35	23.40	23.33	0	24	
		1	12	23.35	23.48	23.48	0	24	
		1	24	23.35	23.33	23.35	0	24	
		12	0	22.38	22.43	22.41	1	23	
		12	6	22.23	22.38	22.24	1	23	
		12	13	22.18	22.28	22.25	1	23	
		25	0	22.37	22.32	22.30	1	23	
		1	0	22.48	22.58	22.45	1	23	
		1	12	22.58	22.60	22.57	1	23	
		1	24	22.44	22.51	22.41	1	23	
10M		12	0	21.33	21.40	21.37	2	22	
		12	6	21.20	21.34	21.29	2	22	
		12	13	21.25	21.37	21.28	2	22	
		25	0	21.23	21.38	21.35	2	22	
	SACM	1	0	21.52	21.58	21.57	2	22	
		1	24	21.50	21.63	21.49	2	22	
		12	0	20.35	20.52	20.47	3	21	
		12	6	20.36	20.44	20.38	3	21	
		12	13	20.29	20.31	20.18	3	21	
20M		25	0	20.32	20.41	20.30	3	21	
		1	0	18.45	18.52	18.43	5	19	
		1	24	18.45	18.49	18.54	5	19	
		12	0	18.31	18.43	18.41	5	19	
		12	6	18.32	18.34	18.38	5	19	
		12	13	18.32	18.38	18.24	5	19	
		25	0	18.32	18.46	18.37	5	19	

LTE Band 25 (AxiD)									
BW	Modulation	Channel	2000	2035	2055	SDFP	Max. Twp-up	MFR	Max. Twp-up
		Frequency (MHz)	1802.5	1880	1917.5				
OFDM		1	0	0	0	21.5			
		1	24	0	0	21.5			
		1	49	0	0	21.5			
		25	0	1	20.5				
		25	12	1	20.5				
		25	25	1	20.5				
		50	0	1	20.5				
	10M	1	24	1	20.5				
		15	49	1	20.5				
		25	0	2	19.5				
		25	12	2	19.5				
		25	25	2	19.5				
20M		50	0	2	19.5				
		1	24	2	19.5				
		15	49	2	19.5				
		25	0	3	18.5				
		25	12	3	18.5				
		25	25	3	18.5				
		50	0	3	18.5				
	SACM	1	24	5	18.5				
		15	49	5	18.5				
		25	0	5	18.5				
		25	12	5	18.5				
		25	25	5	18.5				
OFDM		50	0	5	18.5				
		1	24	5	18.5				
		15	49	5	18.5				
		25	0	6	17.5				
		25	12	6	17.5				
		25	25	6	17.5				
		50	0	6	17.5				
	10M	1	24	6	17.5				
		15	49	6	17.5				
		25	0	7	16.5				
		25	12	7	16.5				
		25	25	7	16.5				
20M		50	0	7	16.5				
		1	24	7	16.5				
		15	49	7	16.5				
		25	0	8	15.5				
		25	12	8	15.5				
		25	25	8	15.5				
		50	0	8	15.5				
	SACM	1	24	8	15.5				
		15	49	8	15.5				
		25	0	9	14.5				
		25	12	9	14.5				
		25	25	9	14.5				
OFDM		50	0	9	14.5				
		1	24	9	14.5				
		15	49	9	14.5				
		25	0	10	13.5				
		25	12	10	13.5				
		25	25	10	13.5				
		50	0	10	13.5				
	10M	1	24	10	13.5				
		15	49	10	13.5				
		25	0	11	12.5				
		25	12	11	12.5				
		25	25	11	12.5				
20M		50	0	11	12.5				
		1	24	11	12.5				
		15	49	11	12.5				
		25	0	12	11.5				
		25	12	12	11.5				
		25	25	12	11.5				
		50	0	12	11.5				
	SACM	1	24	12	11.5				
		15	49	12	11.5				
		25	0	13	10.5				
		25	12	13	10.5				
		25	25	13	10.5				
OFDM		50	0	13	10.5				
		1	24	13	10.5				
		15	49	13	10.5				
		25	0	14	9.5				
		25	12	14	9.5				
		25	25	14	9.5				
		50	0	14	9.5				
	10M	1	24	14	9.5				
		15	49	14	9.5				
		25	0	15	8.5				
		25	12	15	8.5				
		25	25	15	8.5				
20M		50	0	15	8.5				
		1	24	15	8.5				
		15	49	15	8.5				
		25	0	16	7.5				
		25	12	16	7.5				
		25	25	16	7.5				
		50	0	16	7.5				
	SACM	1	24	16	7.5				
		15	49	16	7.5				
		25	0	17	6.5				
		25	12	17	6.5				
		25	25	17	6.5				
OFDM		50	0	17	6.5				
		1	24	17	6.5				
		15	49	17	6.5				
		25	0	18	5.5				
		25	12	18	5.5				
		25	25	18	5.5				
		50	0	18	5.5				
	10M	1	24	18	5.5				
		15	49	18	5.5				
		25	0	19	4.5				
		25	12	19	4.5				
		25	25	19	4.5				
20M		50	0	19	4.5				
		1	24	19	4.5				
		15	49	19	4.5				
		25	0	20	3.5				
		25	12	20	3.5				
		25	25	20	3.5				
		50	0	20	3.5				
	SACM	1	24	20	3.5				
		15	49	20	3.5				
		25	0	21	2.5				
		25	12	21	2.5				
		25	25	21	2.5				
OFDM		50	0	21	2.5				
		1	24	21	2.5				
		15	49	21	2.5				
		25	0	22	1.5				
		25	12	22	1.5				
		25	25	22	1.5				
		50	0	22	1.5				
	10M	1	24	22	1.5				
		15	49	22	1.5				
		25	0	23	0.5				
		25	12	23	0.5				
		25	25	23	0.5				
20M		50	0	23	0.5				
		1	24	23	0.5				
		15	49	23	0.5				
		25	0	24	-0.5				
		25	12	24	-0.5				
		25	25	24	-0.5				
		50	0	24	-0.5				
	SACM	1	24	24	-0.5				
		15	49	24	-0.5				
		25	0	25	-1.5				
		25	12	25	-1.5				
		25	25	25	-1.5				
OFDM		50	0	25	-1.5				
		1	24	25	-1.5				
		15	49	25	-1.5				
		25	0	26	-2.5				
		25	12	26	-2.5				
		25	25	26	-2.5				
		50	0	26	-2.5				
	10M	1	24	26	-2.5				
		15	49	26	-2.5				
		25	0	27	-3.5				
		25	12	27	-3.5				
		25	25	27	-3.5				
20M		50	0	27	-3.5				
		1	24	27	-3.5				
		15	49	27	-3.5				
		25	0	28	-4.5				
		25	12	28	-4.5				
		25	25	28	-4.5				
		50	0	28	-4.5				
	SACM	1	24	28	-4.5				
		15	49	28	-4.5				
		25	0	29	-5.5				
		25	12	29	-5.5				
		25	25	29	-5.5				
OFDM		50	0	29	-5.5				
		1	24	29	-5.5				
		15	49	29	-5.5				
		25	0	30	-6.5				
		25	12	30	-6.5				
		25	25	30	-6.5				
		50	0	30	-6.5				
	10M	1	24	30	-6.5				
		15	49	30	-6.5				
		25	0	31	-7.5				
		25	12	31	-7.5				
		25	25	31	-7.5				
20M		50	0	31	-7.5				
		1	24	31	-7.5				
		15	49	31	-7.5				
		25	0	32	-8.5				
		25	12	32	-8.5				
		25	25	32	-8.5				
		50	0	32	-8.5				
	SACM	1	24	32	-8.5				
		15	49	32	-8.5				
		25	0	33	-9.5				
		25	12	33	-9.5				
		25	25	33	-9.5				
OFDM		50	0	33	-9.5				
		1	24	33	-9.5				
		15	49	33	-9.5				
		25	0	34	-10.5				
		25	12	34	-10.5				
		25	25	34	-10.5				
		50	0	34	-10.5				
	10M	1	24	34	-10.5				
		15	49	34	-10.5				
		25	0	35	-11.5				
		25	12	35	-11.5				
		25	25	35	-11.5				
20M		50	0	35	-11.5				
		1	24	35	-11.5				
		15	49	35	-11.5				
		25	0	36	-12.5				
		25	12	36	-12.5				
		25	25	36	-12.5				
		50	0	36	-12.5				
	SACM	1	24	36	-12.5				
		15	49	36	-12.5				
		25	0	37	-13.5				
		25	12	37	-13.5				
		25	25	37	-13.5				
OFDM		50	0	37	-13.5				
		1	24	37	-13.5				
		15	49	37	-13.5				
		25	0	38	-14.5				
		25	12	38	-14.5				
		25	25	38	-14.5				
		50	0	38	-14.5				
	10M	1	24	38	-14.5				
		15	49	38	-14.5				
		25	0	39	-15.5				
		25	12	39	-15.5				
		25	25	39	-15.5				
20M		50	0	39	-15.5				
		1	24	39	-15.5				
		15	49	39	-15.5				
		25	0	40	-16.5				
		25	12	40	-16.5				
		25	25	40	-16.5				
		50	0	40	-16.5				
	SACM	1	24	40	-16.5				
		15	49	40	-16.5				
		25	0	41	-17.5				
		25							

LTE Band 26 for FCC 频段 (Ant0)									
BW	MCS Index	RB Size	RB Offset	Mid	Low	High	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		Channel	Frequency (MHz)	2510	2515	2515			
10M	QPSK	1	0	22.98	22.98	23.13	0	24	24
		1	24	23.04	23.04	23.13	0	24	24
		1	48	23.04	23.04	23.13	0	24	24
		25	0	22.98	22.98	23.13	1	23	23
		25	25	23.02	23.02	23.13	1	23	23
		25	0	23.02	23.02	23.13	1	23	23
	16QAM	1	0	23.02	23.02	23.13	1	23	23
		1	24	23.02	23.02	23.13	1	23	23
		1	48	23.02	23.02	23.13	1	23	23
		25	12	23.06	23.06	23.13	2	22	22
		25	25	23.11	23.11	23.13	2	22	22
		25	0	23.09	23.09	23.13	2	22	22
10M	64QAM	1	0	23.11	23.11	23.13	2	22	22
		1	24	23.11	23.11	23.13	2	22	22
		1	48	23.11	23.11	23.13	2	22	22
		25	0	23.05	23.05	23.13	3	21	21
		25	25	23.07	23.07	23.13	3	21	21
		25	0	23.07	23.07	23.13	3	21	21
	256QAM	1	0	23.08	23.08	23.13	3	21	21
		1	24	23.08	23.08	23.13	3	21	21
		1	48	23.08	23.08	23.13	3	21	21
		25	12	23.10	23.10	23.13	5	19	19
		25	25	23.15	23.15	23.13	5	19	19
		25	0	23.11	23.11	23.13	5	19	19
10M	QPSK	Channel	Frequency (MHz)	2515	2515	2515	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		Frequency (MHz)	2515	2515	2515	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		1	12	22.98	22.98	23.05	0	24	24
		1	24	22.98	22.98	23.05	0	24	24
		12	0	23.04	23.04	23.05	1	23	23
		12	12	23.04	23.04	23.05	1	23	23
10M	16QAM	1	0	23.05	23.05	23.05	1	23	23
		1	12	23.05	23.05	23.05	1	23	23
		1	24	23.05	23.05	23.05	1	23	23
		12	0	23.07	23.07	23.05	2	22	22
		12	12	23.07	23.07	23.05	2	22	22
		12	12	23.07	23.07	23.05	2	22	22
10M	64QAM	1	0	23.07	23.07	23.05	2	22	22
		1	12	23.07	23.07	23.05	2	22	22
		1	24	23.07	23.07	23.05	2	22	22
		12	0	23.09	23.09	23.05	3	21	21
		12	12	23.09	23.09	23.05	3	21	21
		12	12	23.09	23.09	23.05	3	21	21
10M	256QAM	1	0	23.09	23.09	23.05	3	21	21
		1	12	23.09	23.09	23.05	3	21	21
		1	24	23.09	23.09	23.05	3	21	21
		12	0	23.11	23.11	23.05	5	19	19
		12	12	23.11	23.11	23.05	5	19	19
		12	12	23.11	23.11	23.05	5	19	19
10M	QPSK	Channel	Frequency (MHz)	2515	2515	2515	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		Frequency (MHz)	2515	2515	2515	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		1	12	23.05	23.05	23.12	0	24	24
		1	24	23.05	23.05	23.12	0	24	24
		12	0	23.11	23.11	23.12	1	23	23
		12	12	23.11	23.11	23.12	1	23	23
10M	16QAM	1	0	23.12	23.12	23.12	1	23	23
		1	12	23.12	23.12	23.12	1	23	23
		1	24	23.12	23.12	23.12	1	23	23
		12	0	23.14	23.14	23.12	2	22	22
		12	12	23.14	23.14	23.12	2	22	22
		12	12	23.14	23.14	23.12	2	22	22
10M	64QAM	1	0	23.14	23.14	23.12	2	22	22
		1	12	23.14	23.14	23.12	2	22	22
		1	24	23.14	23.14	23.12	2	22	22
		12	0	23.16	23.16	23.12	3	21	21
		12	12	23.16	23.16	23.12	3	21	21
		12	12	23.16	23.16	23.12	3	21	21
10M	256QAM	1	0	23.16	23.16	23.12	3	21	21
		1	12	23.16	23.16	23.12	3	21	21
		1	24	23.16	23.16	23.12	3	21	21
		12	0	23.18	23.18	23.12	5	19	19
		12	12	23.18	23.18	23.12	5	19	19
		12	12	23.18	23.18	23.12	5	19	19

LTE Band 26 for IC&FCC 频段 (Ant0)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)
		Channel	Frequency (MHz)	2585	2585	2585			
10M	QPSK	1	0	22.94	22.93	23.13	0	24	24
		1	37	23.02	23.13	23.27	0	24	24
		1	74	23.10	23.20	23.31	0	24	24
		36	0	22.91	22.11	22.25	1	23	23
		36	36	22.13	22.20	22.45	1	23	23
		36	36	22.13	22.20	22.45	1	23	23
	16QAM	1	0	22.97	22.95	23.05	1	23	23
		1	37	22.97	22.95	23.05	1	23	23
		1	74	22.99	22.98	23.08	1	23	23
		36	0	23.02	23.10	23.27	2	22	22
		36	36	23.13	23.23	23.45	2	22	22
		36	36	23.13	23.23	23.45	2	22	22
10M	64QAM	1	0	23.08	23.17	23.24	2	22	22
		1	37	23.19	23.20	23.44	2	22	22
		1	74	23.17	23.25	23.45	2	22	22
		36	0	23.08	23.11	23.20	3	21	21
		36	36	23.19	23.20	23.44	3	21	21
		36	36	23.14	23.23	23.45	3	21	21
	256QAM	1	0	23.12	23.21	23.30	3	21	21
		1	37	23.13	23.25	23.37	3	21	21
		1	74	23.13	23.25	23.37	3	21	21
		36	0	23.08	23.10	23.17	5	19	19
		36	36	23.19	23.20	23.44	5	19	19
		36	36	23.14	23.23	23.45	5	19	19
10M	QPSK	Channel	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		Frequency (MHz)	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		1	12	22.92	22.93	23.04	0	24	24
		1	24	22.92	23.23	23.26	0	24	24
		12	0	23.01	23.10	23.33	1	23	23
		12	12	23.01	23.22	23.28	1	23	23
	16QAM	1	0	23.02	23.10	23.24	1	23	23
		1	12	23.02	23.26	23.49	1	23	23
		1	24	23.02	23.26	23.49	1	23	23
		12	0	23.09	23.08	23.17	2	22	22
		12	12	23.09	23.17	23.37	2	22	22
		12	12	23.09	23.17	23.37	2	22	22
64QAM	1	0	23.11	23.16	23.27	2	22	22	
	1	12	23.11	23.18	23.30	2	22	22	
	1	24	23.11	23.20	23.27	2	22	22	
	12	0	23.10	23.10	23.24	3	21	21	
	12	12	23.10	23.12	23.24	3	21	21	
	12	12	23.10	23.12	23.24	3	21	21	
256QAM	1	0	23.13	23.13	23.24	3	21	21	
	1	12	23.13	23.13	23.24	3	21	21	
	1	24	23.13	23.13	23.24	3	21	21	
	12	0	23.15	23.18	23.25	5	19	19	
	12	12	23.15	23.18	23.25	5	19	19	
	12	12	23.15	23.18	23.25	5	19	19	
10M	QPSK	Channel	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		Frequency (MHz)	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		1	12	22.90	22.91	23.03	0	24	24
		1	24	22.91	23.07	23.10	0	24	24
		1	74	23.05	23.27	23.30	0	24	24
		8	0	23.86	23.94	24.10	1	23	23
	16QAM	8	7	23.15	23.19	23.21	1	23	23
		10	0	23.90	23.97	24.28	1	23	23
		10	7	23.15	23.20	23.34	1	23	23
		1	7	23.22	23.24	23.50	1	23	23
		1	24	23.24	23.44	23.46	1	23	23
		8	0	23.02	23.12	23.18	2	22	22
64QAM	8	3	23.05	23.04	23.28	2	22	22	
	8	2	23.13	23.13	23.33	2	22	22	
	10	0	23.15	23.18	23.19	2	22	22	
	8	2	23.08	23.11	23.32	2	22	22	
	1	14	23.08	23.12	23.32	2	22	22	
	8	0	23.99	24.00	24.26	3	21	21	
256QAM	8	2	23.16	23.17	23.39	3	21	21	
	8	7	23.07	23.24	23.44	3	21	21	
	1	0	23.10	23.15	23.35	3	21	21	
	1	7	23.07	23.15	23.31	3	21	21	
	1	14	23.07	23.14	23.40	3	21	21	
	8	0	23.07	23.09	23.29	5	19	19	
10M	QPSK	Channel	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		Frequency (MHz)	2585	2585	2585	SCPF MPR (dB)	Max. Time-occupancy (dBm)	Max. Time-occupancy (dBm)	
		1	0	22.94	22.93	23.09	0	24	24
		1	2	23.00	23.00	23.21	0	24	24
		1	14	23.03	23.07	23.30	0	24	24
		8	0	22.83	22.87	23.07	0	24	24
	16QAM	8	0	23.86	23.94	24.17	1	23	23
		10	0	23.99	23.99	24.29	1	23	23
		1	0	23.03	23.27	23.38	1	23	23
		1	0	23.07	23.26	23.25	1	23	23
		1	2	23.12	23.24	23.41	1	23	23
		1	5	23.15	23.28	23.42	1	23	23
64QAM	3	0	23.10	23.12	23.32	2	22	22	
	3	1	23.12	23.12	23.36	1	23	23	
	3	3	23.11	23.27	23.45	1	23	23	
	3	2	23.15	23.15	23.37	2	22	22	
	3	0	23.07	23.10	23.39	2	22	22	
	3	1	23.07	23.10	23.39	2	22	22	
256QAM	3	0	23.08	23.04	23.38	3	21	21	
	3	1	23.09	23.27	23.27	3	21	21	
	3	1	23.07	23.15	23.35	5	19	19	
	3	1	23.04	23.13	23.37	5	19	19	
	3	1	23.07	23.10	23.34	5	19	19	
	3	1	23.07	23.10	23.34	5	19	19	

LTE Band 39 (Ant0)													
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max					
		Channel		2700	3800	3910	MPE	Time-up					
		Frequency (MHz)	2880	3980	3990	4000	(dB)	(dB)					
20M	QPSK	1	0	23.98	23.98	23.93	0	24.5					
		1	50	23.92	23.76	23.76	0	24.5					
		1	90	23.76	23.59	23.61	0	24.5					
		50	0	23.00	22.97	22.91	1	23.5					
		50	50	22.84	22.77	22.63	1	23.5					
	16QAM	100	0	22.69	22.62	22.67	1	23.5					
		1	50	22.63	22.60	22.61	1	23.5					
		1	90	22.52	22.56	22.63	1	23.5					
		50	50	21.86	21.82	21.85	1	22.5					
		50	25	21.96	21.87	21.91	2	22.5					
20M	16QAM	100	0	21.86	21.85	21.86	2	22.5					
		1	50	21.86	21.81	21.85	2	22.5					
		1	90	21.89	21.86	21.89	2	22.5					
		50	0	21.04	20.98	20.92	3	21.5					
		50	25	20.99	20.96	20.99	3	21.5					
	64QAM	100	0	20.99	20.79	20.79	3	21.5					
		1	50	20.99	20.86	20.86	3	21.5					
		1	90	20.98	20.82	20.82	3	21.5					
		50	25	19.86	19.86	19.78	5	19.5					
		50	50	19.91	19.70	19.76	5	19.5					
20M	16QAM	100	0	19.91	19.83	19.83	5	19.5					
		1	50	19.88	19.82	19.83	5	19.5					
		1	90	19.80	19.88	19.77	5	19.5					
		50	25	18.86	18.86	18.78	5	19.5					
		50	50	18.91	18.70	18.76	5	19.5					
	20M	16QAM	100	0	18.91	18.83	18.83	5	19.5				
			1	50	18.88	18.82	18.83	5	19.5				
			1	90	18.80	18.88	18.77	5	19.5				
			50	25	17.86	17.86	17.78	5	19.5				
			50	50	17.91	17.70	17.76	5	19.5				
20M	16QAM	100	0	17.91	17.83	17.83	5	19.5					
		1	50	17.87	17.81	17.82	5	19.5					
		1	90	17.79	17.87	17.76	5	19.5					
		50	25	16.86	16.86	16.78	5	19.5					
		50	50	16.91	16.70	16.76	5	19.5					
	20M	16QAM	100	0	16.91	16.83	16.83	5	19.5				
			1	50	16.88	16.82	16.83	5	19.5				
			1	90	16.80	16.88	16.77	5	19.5				
			50	25	15.86	15.86	15.78	5	19.5				
			50	50	15.91	15.70	15.76	5	19.5				
20M	16QAM	100	0	15.91	15.83	15.83	5	19.5					
		1	50	15.88	15.82	15.83	5	19.5					
		1	90	15.80	15.88	15.77	5	19.5					
		50	25	14.86	14.86	14.78	5	19.5					
		50	50	14.91	14.70	14.76	5	19.5					
	20M	16QAM	100	0	14.91	14.83	14.83	5	19.5				
			1	50	14.88	14.82	14.83	5	19.5				
			1	90	14.80	14.88	14.77	5	19.5				
			50	25	13.86	13.86	13.78	5	19.5				
			50	50	13.91	13.70	13.76	5	19.5				
20M	16QAM	100	0	13.91	13.83	13.83	5	19.5					
		1	50	13.88	13.82	13.83	5	19.5					
		1	90	13.80	13.88	13.77	5	19.5					
		50	25	12.86	12.86	12.78	5	19.5					
		50	50	12.91	12.70	12.76	5	19.5					
	20M	16QAM	100	0	12.91	12.83	12.83	5	19.5				
			1	50	12.88	12.82	12.83	5	19.5				
			1	90	12.80	12.88	12.77	5	19.5				
			50	25	11.86	11.86	11.78	5	19.5				
			50	50	11.91	11.70	11.76	5	19.5				
20M	16QAM	100	0	11.91	11.83	11.83	5	19.5					
		1	50	11.88	11.82	11.83	5	19.5					
		1	90	11.80	11.88	11.77	5	19.5					
		50	25	10.86	10.86	10.78	5	19.5					
		50	50	10.91	10.70	10.76	5	19.5					
	20M	16QAM	100	0	10.91	10.83	10.83	5	19.5				
			1	50	10.88	10.82	10.83	5	19.5				
			1	90	10.80	10.88	10.77	5	19.5				
			50	25	9.86	9.86	9.78	5	19.5				
			50	50	9.91	9.70	9.76	5	19.5				
20M	16QAM	100	0	9.91	9.83	9.83	5	19.5					
		1	50	9.88	9.82	9.83	5	19.5					
		1	90	9.80	9.88	9.77	5	19.5					
		50	25	8.86	8.86	8.78	5	19.5					
		50	50	8.91	8.70	8.76	5	19.5					
	20M	16QAM	100	0	8.91	8.83	8.83	5	19.5				
			1	50	8.88	8.82	8.83	5	19.5				
			1	90	8.80	8.88	8.77	5	19.5				
			50	25	7.86	7.86	7.78	5	19.5				
			50	50	7.91	7.70	7.76	5	19.5				
20M	16QAM	100	0	7.91	7.83	7.83	5	19.5					
		1	50	7.87	7.81	7.82	5	19.5					
		1	90	7.79	7.87	7.76	5	19.5					
		50	25	6.86	6.86	6.78	5	19.5					
		50	50	6.91	6.70	6.76	5	19.5					
	20M	16QAM	100	0	6.91	6.83	6.83	5	19.5				
			1	50	6.88	6.82	6.83	5	19.5				
			1	90	6.80	6.88	6.77	5	19.5				
			50	25	5.86	5.86	5.78	5	19.5				
			50	50	5.91	5.70	5.76	5	19.5				
20M	16QAM	100	0	5.91	5.83	5.83	5	19.5					
		1	50	5.88	5.82	5.83	5	19.5					
		1	90	5.80	5.88	5.77	5	19.5					
		50	25	4.86	4.86	4.78	5	19.5					
		50	50	4.91	4.70	4.76	5	19.5					
	20M	16QAM	100	0	4.91	4.83	4.83	5	19.5				
			1	50	4.88	4.82	4.83	5	19.5				
			1	90	4.80	4.88	4.77	5	19.5				
			50	25	3.86	3.86	3.78	5	19.5				
			50	50	3.91	3.70	3.76	5	19.5				
20M	16QAM	100	0	3.91	3.83	3.83	5	19.5					
		1	50	3.88	3.82	3.83	5	19.5					
		1	90	3.80	3.88	3.77	5	19.5					
		50	25	2.86	2.86	2.78	5	19.5					
		50	50	2.91	2.70	2.76	5	19.5					
	20M	16QAM	100	0	2.91	2.83	2.83	5	19.5				
			1	50	2.88	2.82	2.83	5	19.5				
			1	90	2.80	2.88	2.77	5	19.5				
			50	25	1.86	1.86	1.78	5	19.5				
			50	50	1.91	1.70	1.76	5	19.5				
20M	16QAM	100	0	1.91	1.83	1.83	5	19.5					
		1	50	1.88	1.82	1.83	5	19.5					
		1	90	1.80	1.88	1.77	5	19.5					
		50	25	0.86	0.86	0.78	5	19.5					
		50	50	0.91	0.70	0.76	5	19.5					
	20M	16QAM	100	0	0.91	0.83	0.83	5	19.5				
			1	50	0.88	0.82	0.83	5	19.5				
			1	90	0.80	0.88	0.77	5	19.5				
			50	25	-0.86	-0.86	-0.78	5	19.5				
			50	50	-0.91	-0.70	-0.76	5	19.5				

LTE Band 42 Part270 (Ant7)																
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Turn-up	MCS Index	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Turn-up
		Channel	4250	4250	4250	4250	Channel									
OVSF		1	0	23.78	23.78	23.81	0	24.5		1	0	23.78	23.78	23.81	0	24.5
		1	50	23.57	23.74	23.83	0	24.5		1	50	23.57	23.74	23.83	0	24.5
		1	99	23.63	23.80	23.48	0	24.5		1	99	23.63	23.80	23.48	0	24.5
		50	0	22.80	22.79	22.77	1	23.5		50	0	22.80	22.79	22.77	1	23.5
		50	50	22.80	22.75	22.68	1	23.5		50	50	22.80	22.75	22.68	1	23.5
		100	0	22.74	22.73	22.68	1	23.5		100	0	22.74	22.73	22.68	1	23.5
		1	50	22.85	22.79	22.79	1	23.5		1	50	22.85	22.79	22.79	1	23.5
		1	99	22.84	22.75	22.85	1	23.5		1	99	22.84	22.75	22.85	1	23.5
		50	0	21.64	21.70	21.76	2	22.5		50	0	21.64	21.70	21.76	2	22.5
		50	50	21.62	21.67	21.67	2	22.5		50	50	21.62	21.67	21.67	2	22.5
10QAM		1	0	21.58	21.72	21.71	2	22.5		1	0	21.58	21.72	21.71	2	22.5
		1	50	21.48	21.84	21.81	2	22.5		1	50	21.48	21.84	21.81	2	22.5
		1	99	21.43	21.71	21.52	2	22.5		1	99	21.43	21.71	21.52	2	22.5
		50	0	20.86	20.81	20.89	3	21.5		50	0	20.86	20.81	20.89	3	21.5
		50	50	20.89	20.74	20.73	3	21.5		50	50	20.89	20.74	20.73	3	21.5
		100	0	20.83	20.83	20.89	3	21.5		100	0	20.83	20.83	20.89	3	21.5
		1	50	18.84	18.88	18.89	5	19.5		1	50	18.84	18.88	18.89	5	19.5
		1	99	18.91	18.84	18.88	5	19.5		1	99	18.91	18.84	18.88	5	19.5
		50	0	18.90	18.88	18.93	5	19.5		50	0	18.90	18.88	18.93	5	19.5
		50	50	18.92	18.96	18.87	5	19.5		50	50	18.92	18.96	18.87	5	19.5
20QAM		1	0	18.90	18.94	18.94	5	19.5		1	0	18.90	18.94	18.94	5	19.5
		1	50	18.84	18.88	18.89	5	19.5		1	50	18.84	18.88	18.89	5	19.5
		1	99	18.91	18.84	18.88	5	19.5		1	99	18.91	18.84	18.88	5	19.5
		50	0	18.90	18.88	18.93	5	19.5		50	0	18.90	18.88	18.93	5	19.5
		50	50	18.92	18.96	18.87	5	19.5		50	50	18.92	18.96	18.87	5	19.5
		100	0	18.90	18.94	18.94	5	19.5		100	0	18.90	18.94	18.94	5	19.5
		1	50	16.84	16.88	16.89	5	19.5		1	50	16.84	16.88	16.89	5	19.5
		1	99	16.91	16.84	16.88	5	19.5		1	99	16.91	16.84	16.88	5	19.5
		50	0	16.84	16.88	16.89	5	19.5		50	0	16.84	16.88	16.89	5	19.5
		50	50	16.86	16.90	16.81	5	19.5		50	50	16.86	16.90	16.81	5	19.5
BW	MCS Index	Channel	4260	4260	4260	4260	SCPP	Max. Turn-up	MCS Index	Channel	4260	4260	4260	4260	SCPP	Max. Turn-up
		Frequency (MHz)	3840	3840	3840	3840	Frequency (MHz)	3840		3840	3840					
OVSF		1	0	23.71	23.69	23.46	0	24.5		1	0	23.71	23.69	23.46	0	24.5
		1	24	23.49	23.57	23.51	0	24.5		1	24	23.49	23.57	23.51	0	24.5
		1	49	23.58	23.46	23.38	0	24.5		1	49	23.58	23.46	23.38	0	24.5
		25	0	22.67	22.72	22.76	1	23.5		25	0	22.67	22.72	22.76	1	23.5
		25	25	22.66	22.66	22.66	1	23.5		25	25	22.66	22.66	22.66	1	23.5
		25	25	22.67	22.71	22.58	1	23.5		25	25	22.67	22.71	22.58	1	23.5
		50	0	22.43	22.65	22.56	1	23.5		50	0	22.43	22.65	22.56	1	23.5
		1	24	22.58	22.74	22.39	1	23.5		1	24	22.58	22.74	22.39	1	23.5
		1	49	22.59	22.66	22.50	1	23.5		1	49	22.59	22.66	22.50	1	23.5
		25	0	21.67	21.77	21.74	2	22.5		25	0	21.67	21.77	21.74	2	22.5
10QAM		1	0	21.58	21.72	21.71	2	22.5		1	0	21.58	21.72	21.71	2	22.5
		1	24	21.37	21.71	21.62	2	22.5		1	24	21.37	21.71	21.62	2	22.5
		1	49	21.43	21.69	21.59	2	22.5		1	49	21.43	21.69	21.59	2	22.5
		25	0	20.56	20.58	20.67	3	21.5		25	0	20.56	20.58	20.67	3	21.5
		25	25	20.55	20.55	20.65	3	21.5		25	25	20.55	20.55	20.65	3	21.5
		25	25	20.56	20.54	20.64	3	21.5		25	25	20.56	20.54	20.64	3	21.5
		50	0	20.57	20.61	20.65	3	21.5		50	0	20.57	20.61	20.65	3	21.5
		1	24	20.61	20.76	20.68	3	21.5		1	24	20.61	20.76	20.68	3	21.5
		1	49	20.62	20.68	20.62	3	21.5		1	49	20.62	20.68	20.62	3	21.5
		25	0	19.87	19.89	19.86	5	19.5		25	0	19.87	19.89	19.86	5	19.5
20QAM		1	0	18.84	18.75	18.85	5	19.5		1	0	18.84	18.75	18.85	5	19.5
		1	24	18.71	18.73	18.68	5	19.5		1	24	18.71	18.73	18.68	5	19.5
		1	49	18.81	18.82	18.85	5	19.5		1	49	18.81	18.82	18.85	5	19.5
		25	0	18.78	18.83	18.86	5	19.5		25	0	18.78	18.83	18.86	5	19.5
		25	25	18.80	18.86	18.86	5	19.5		25	25	18.80	18.86	18.86	5	19.5
		25	25	18.81	18.80	18.86	5	19.5		25	25	18.81	18.80	18.86	5	19.5
		50	0	18.84	18.87	18.82	5	19.5		50	0	18.84	18.87	18.82	5	19.5
		1	24	18.77	18.78	18.85	5	19.5		1	24	18.77	18.78	18.85	5	19.5
		1	49	18.87	18.88	18.89	5	19.5		1	49	18.87	18.88	18.89	5	19.5
		25	0	18.89	18.92	18.90	5	19.5		25	0	18.89	18.92	18.90	5	19.5
BW	MCS Index	Channel	4265	4265	4265	4265	SCPP	Max. Turn-up	MCS Index	Channel	4265	4265	4265	4265	SCPP	Max. Turn-up
		Frequency (MHz)	3840	3840	3840	3840	Frequency (MHz)	3840		3840	3840					
OVSF		1	0	23.72	23.69	23.46	0	24.5		1	0	23.72	23.69	23.46	0	24.5
		1	12	23.48	23.63	23.50	0	24.5		1	12	23.48	23.63	23.50	0	24.5
		1	24	23.57	23.57	23.46	0	24.5		1	24	23.57	23.57	23.46	0	24.5
		12	0	22.76	22.72	22.74	1	23.5		12	0	22.76	22.72	22.74	1	23.5
		12	8	22.83	22.85	22.80	1	23.5		12	8	22.83	22.85	22.80	1	23.5
		12	12	22.84	22.84	22.84	1	23.5		12	12	22.84	22.84	22.84	1	23.5
		12	12	22.85	22.82	22.82	1	23.5		12	12	22.85	22.82	22.82	1	23.5
		12	0	22.42	22.63	22.56	1	23.5		12	0	22.42	22.63	22.56	1	23.5
		1	0	22.67	22.68	22.68	1	23.5		1	0	22.67	22.68	22.68	1	23.5
		1	24	22.54	22.67	22.53	1	23.5		1	24	22.54	22.67	22.53	1	23.5
10QAM		1	0	21.58	21.72	21.71	2	22.5		1	0	21.58	21.72	21.71	2	22.5
		1	12	21.62	21.76	21.71	2	22.5		1	12	21.62	21.76	21.71	2	22.5
		1	24	21.61	21.75	21.68	2	22.5		1	24	21.61	21.75	21.68	2	22.5
		12	0	20.56	20.58	20.67	3	21.5		12	0	20.56	20.58	20.67	3	21.5
		12	8	20.55	20.55	20.65	3	21.5		12	8	20.55	20.55	20.65	3	21.5
		12	12	20.56	20.54	20.64	3	21.5		12	12	20.56	20.54	20.64	3	21.5
		50	0	20.57	20.65	20.65	3	21.5		50	0	20.57	20.65	20.65	3	21.5
		1	24	20.61	20.76	20.68	3	21.5		1	24	20.61	20.76	20.68	3	21.5
		1	49	20.62	20.68	20.62	3	21.5		1	49	20.62	20.68	20.62	3	21.5
		25	0	19.87	19.89	19.86	5	19.5		25	0	19.87	19.89	19.86	5	19.5
20QAM		1	0	18.87	18.82	18.86	5	19.5		1	0	18.87	18.82	18.86	5	19.5
		1	12	18.90	18.76	18.85	5	19.5		1	12	18.90	18.76	18.85	5	19.5
		1	24	18.90	18.73	18.86	5	19.5		1	24	18.90	18.73	18.86	5	19.5
		12	0	18.82	18.82	18.86	5	19.5		12	0	18.82	18.82	18.86	5	19.5
		12	8	18.89	18.84	18.84	5	19.5		12	8	18.89	18.84	18.84	5	19.5
		12	12	18.87	18.82	18.86	5	19.5		12	12	18.87	18.82	18.86	5	19.5
		50	0	18.89	18.89	18.89	5	19.5		50	0	18.89	18.89	18.89	5	19.5
		1	24	18.87	18.87	18.87	5	19.5		1	24	18.87	18.87	18.87	5	19.5
		1	49	18.87	18.87	18.87	5	19.5		1	49	18.87	18.87	18.87	5	19.5
		25	0	18.89	18.89	18.89	5	19.5		25	0	18.89	18.89	18.89	5	19.5

LTE Band 48 for SAR (Ant7)													
BW	MCS Index	RB Size		RB Offset		Low	Low Mid	High Mid	High	SPPR MPR (dB)	Max Throughput (Mbps)	SPPR MPR (dB)	
		Channel	Channel	Channel	Channel								
CPXK		Frequency (MHz)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
		1	0	22.85	22.82	22.82	22.85	23.19	0	23.5	0	23.5	0
		1	50	22.75	22.84	22.76	22.85	23.11	0	23.5	0	23.5	0
		1	99	22.70	22.80	22.72	22.73	23.17	0	23.5	0	23.5	0
		50	0	22.98	22.92	21.98	22.26	22.25	1	22.5	1	22.5	0
		50	50	22.95	22.98	21.95	22.10	22.21	1	22.5	1	22.5	0
		100	0	21.85	22.20	21.90	21.90	22.21	1	22.5	1	22.5	0
		100	50	21.75	22.04	21.74	21.74	22.16	1	22.5	1	22.5	0
		1	50	21.88	22.07	21.84	22.20	22.20	1	22.5	1	22.5	0
		1	99	21.87	21.96	21.84	22.19	22.19	1	22.5	1	22.5	0
10QAM		50	25	19.98	20.01	19.91	20.12	20.12	2	21.5	2	21.5	0
		50	50	20.04	20.01	20.01	20.13	20.22	2	21.5	2	21.5	0
		100	0	20.00	20.01	20.01	20.13	20.22	2	21.5	2	21.5	0
		1	50	20.03	20.03	20.08	20.16	20.21	2	21.5	2	21.5	0
		1	99	20.02	20.02	20.09	20.14	20.24	2	21.5	2	21.5	0
		50	0	20.03	20.03	20.08	20.16	20.21	2	21.5	2	21.5	0
		50	25	18.97	19.02	18.98	19.05	19.15	3	20.5	3	20.5	0
		50	50	19.00	19.04	19.01	19.04	19.14	3	20.5	3	20.5	0
		100	0	18.99	19.09	18.99	19.09	19.14	3	20.5	3	20.5	0
		100	50	18.99	19.04	19.01	19.04	19.14	3	20.5	3	20.5	0
20QAM		1	50	16.00	16.11	15.99	15.99	17.87	5	16.5	5	16.5	0
		1	99	16.08	16.11	15.98	16.00	17.84	5	16.5	5	16.5	0
		50	0	16.00	16.11	15.99	16.00	17.84	5	16.5	5	16.5	0
		50	25	16.05	16.11	15.96	16.00	17.84	5	16.5	5	16.5	0
		50	50	16.09	16.11	16.12	16.00	17.82	5	16.5	5	16.5	0
		100	0	15.90	16.14	16.01	16.01	17.82	5	16.5	5	16.5	0
		1	50	14.00	14.11	13.99	13.99	17.78	5	14.5	5	14.5	0
		1	99	14.08	14.11	13.98	14.00	17.75	5	14.5	5	14.5	0
		50	0	14.00	14.11	13.99	14.00	17.78	5	14.5	5	14.5	0
		50	25	14.05	14.11	13.96	14.00	17.78	5	14.5	5	14.5	0
30QAM		1	50	12.00	12.11	11.99	11.99	17.72	5	12.5	5	12.5	0
		1	99	12.08	12.11	11.98	12.00	17.69	5	12.5	5	12.5	0
		50	0	12.00	12.11	11.99	12.00	17.72	5	12.5	5	12.5	0
		50	25	12.05	12.11	11.96	12.00	17.72	5	12.5	5	12.5	0
		50	50	12.09	12.11	12.12	12.00	17.72	5	12.5	5	12.5	0
		100	0	11.90	12.14	12.01	12.01	17.72	5	12.5	5	12.5	0
		1	50	10.00	10.11	9.99	9.99	17.67	5	10.5	5	10.5	0
		1	99	10.08	10.11	9.98	10.00	17.64	5	10.5	5	10.5	0
		50	0	10.00	10.11	9.99	10.00	17.67	5	10.5	5	10.5	0
		50	25	10.05	10.11	9.96	10.00	17.67	5	10.5	5	10.5	0
60QAM		1	50	8.00	8.11	7.99	7.99	17.62	5	8.5	5	8.5	0
		1	99	8.08	8.11	7.98	8.00	17.59	5	8.5	5	8.5	0
		50	0	8.00	8.11	7.99	8.00	17.62	5	8.5	5	8.5	0
		50	25	8.05	8.11	7.96	8.00	17.62	5	8.5	5	8.5	0
		50	50	8.09	8.11	8.12	8.00	17.62	5	8.5	5	8.5	0
		100	0	7.90	8.14	8.01	8.01	17.62	5	8.5	5	8.5	0
		1	50	6.00	6.11	5.99	5.99	17.57	5	6.5	5	6.5	0
		1	99	6.08	6.11	5.98	6.00	17.54	5	6.5	5	6.5	0
		50	0	6.00	6.11	5.99	6.00	17.57	5	6.5	5	6.5	0
		50	25	6.05	6.11	5.96	6.00	17.57	5	6.5	5	6.5	0
25QAM		1	50	4.00	4.11	3.99	3.99	17.52	5	4.5	5	4.5	0
		1	99	4.08	4.11	3.98	4.00	17.49	5	4.5	5	4.5	0
		50	0	4.00	4.11	3.99	4.00	17.52	5	4.5	5	4.5	0
		50	25	4.05	4.11	3.96	4.00	17.52	5	4.5	5	4.5	0
		50	50	4.09	4.11	4.12	4.00	17.52	5	4.5	5	4.5	0
		100	0	3.90	4.14	4.01	4.01	17.52	5	4.5	5	4.5	0
		1	50	2.00	2.11	1.99	1.99	17.47	5	2.5	5	2.5	0
		1	99	2.08	2.11	1.98	2.00	17.44	5	2.5	5	2.5	0
		50	0	2.00	2.11	1.99	2.00	17.47	5	2.5	5	2.5	0
		50	25	2.05	2.11	1.96	2.00	17.47	5	2.5	5	2.5	0
30QAM		1	50	1.00	1.11	0.99	0.99	17.42	5	1.5	5	1.5	0
		1	99	1.08	1.11	0.98	1.00	17.39	5	1.5	5	1.5	0
		50	0	1.00	1.11	0.99	1.00	17.42	5	1.5	5	1.5	0
		50	25	1.05	1.11	0.96	1.00	17.42	5	1.5	5	1.5	0
		50	50	1.09	1.11	1.12	1.00	17.42	5	1.5	5	1.5	0
		100	0	0.90	1.14	1.01	1.01	17.42	5	1.5	5	1.5	0
		1	50	0.50	0.61	0.49	0.49	17.37	5	0.5	5	0.5	0
		1	99	0.58	0.61	0.48	0.50	17.34	5	0.5	5	0.5	0
		50	0	0.50	0.61	0.49	0.50	17.37	5	0.5	5	0.5	0
		50	25	0.55	0.61	0.46	0.50	17.37	5	0.5	5	0.5	0
30QAM		1	50	0.25	0.36	0.24	0.24	17.32	5	0.25	5	0.25	0
		1	99	0.33	0.36	0.23	0.25	17.29	5	0.25	5	0.25	0
		50	0	0.25	0.36	0.24	0.25	17.32	5	0.25	5	0.25	0
		50	25	0.30	0.36	0.21	0.25	17.32	5	0.25	5	0.25	0
		50	50	0.34	0.36	0.37	0.25	17.32	5	0.25	5	0.25	0
		100	0	0.15	0.39	0.26	0.25	17.32	5	0.25	5	0.25	0
		1	50	0.125	0.48	0.37	0.37	17.27	5	0.125	5	0.125	0
		1	99	0.167	0.45	0.34	0.34	17.24	5	0.125	5	0.125	0
		50	0	0.125	0.48	0.36	0.37	17.27	5	0.125	5	0.125	0
		50	25	0.167	0.51	0.39	0.38	17.27	5	0.125	5	0.125	0

LTE Band 71 (Auto)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Time-avg. (dBm)	
		Channel		15022	15022	15072	MPR (dB)		
		Frequency (MHz)		675	685	695			
20M	QPSK	1	0	23.50	23.27	23.14	0	24	
		1	50	23.27	23.03	22.92	0	24	
		1	99	23.03	22.84	22.80	0	24	
		50	0	22.50	22.48	22.39	1	23	
		50	25	22.50	22.13	22.05	1	23	
		50	50	22.13	22.08	22.09	1	23	
		100	0	22.24	22.19	22.07	1	23	
		1	0	22.04	22.40	22.29	1	23	
		1	50	22.40	22.24	22.22	1	23	
		1	99	22.24	22.12	22.04	1	23	
	16QAM	50	0	21.41	21.10	21.18	2	22	
		50	25	21.33	21.10	21.08	2	22	
		50	50	21.22	21.07	21.04	2	22	
		100	0	21.29	21.16	21.10	2	22	
		1	0	21.08	21.30	21.29	2	22	
		1	50	21.30	21.20	21.20	2	22	
		1	99	21.19	21.02	20.97	2	22	
		50	0	20.42	20.19	20.15	3	21	
		50	25	20.27	20.10	20.07	3	21	
		50	50	20.14	20.08	20.08	3	21	
	64QAM	100	0	20.13	20.17	20.08	3	21	
		1	0	18.60	18.30	18.29	5	19	
		1	50	18.30	18.18	18.19	5	19	
		1	99	18.25	18.14	18.16	5	19	
		50	0	18.47	18.22	18.17	5	19	
		50	25	18.30	18.21	18.11	5	19	
		50	50	18.25	18.13	18.14	5	19	
		100	0	18.44	18.23	18.15	5	19	
15M	QPSK	Channel		150197	150207	150397	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)		679.5	689.5	699.5	MPR (dB)		
		1	0	13.30	13.14	13.18	0	24	
		1	37	13.10	12.92	12.92	0	24	
		1	74	12.93	12.84	12.75	0	24	
		38	0	12.40	12.42	12.06	1	23	
		38	19	12.12	12.11	12.01	1	23	
		38	38	12.04	12.06	12.02	1	23	
		75	0	12.19	12.14	12.02	1	23	
		1	0	12.48	12.25	12.31	1	23	
	16QAM	1	37	12.21	12.09	12.11	1	23	
		1	74	12.03	12.02	12.03	1	23	
		38	0	11.40	11.08	11.17	2	22	
		38	19	11.28	10.96	11.05	2	22	
		38	38	11.15	11.00	11.03	2	22	
		75	0	11.25	11.13	11.04	2	22	
		1	0	11.48	11.14	11.08	2	22	
		1	37	11.28	11.15	11.18	2	22	
		1	74	11.09	10.95	10.96	2	22	
		38	0	10.28	10.14	10.04	3	21	
	64QAM	38	19	10.22	10.05	10.06	3	21	
		38	38	10.10	10.04	10.04	3	21	
		75	0	10.25	10.04	10.04	3	21	
		1	0	10.58	10.32	10.24	5	19	
		1	37	10.38	10.05	10.04	5	19	
		1	74	10.12	10.00	10.02	5	19	
		38	0	10.38	10.18	10.15	5	19	
		38	19	10.20	10.17	10.08	5	19	
		38	38	10.24	10.07	10.09	5	19	
		75	0	10.38	10.16	10.10	5	19	
10M	QPSK	Channel		150147	150207	150417	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)		680	689.5	695	MPR (dB)		
		1	0	23.37	23.17	23.05	0	24	
		1	24	23.03	22.81	22.87	0	24	
		1	49	23.02	22.88	22.84	0	24	
		25	0	22.42	22.36	22.05	1	23	
		25	12	22.12	22.06	21.91	1	23	
		25	25	22.08	22.04	22.02	1	23	
		50	0	22.18	22.10	21.94	1	23	
		1	0	22.45	22.37	22.27	1	23	
	16QAM	1	24	22.34	22.14	22.08	1	23	
		1	49	22.12	22.01	21.90	1	23	
		25	0	21.38	21.10	21.14	2	22	
		25	12	21.19	20.95	20.97	2	22	
		25	25	21.08	20.89	20.88	2	22	
		50	0	21.13	21.09	20.90	2	22	
		1	0	21.49	21.24	21.11	2	22	
		1	24	21.36	21.18	21.14	2	22	
		1	49	21.11	20.95	20.92	2	22	
		25	0	20.38	20.16	20.04	3	21	
	64QAM	25	12	20.19	20.06	20.06	3	21	
		25	25	20.00	19.99	20.04	3	21	
		50	0	20.22	20.04	19.94	3	21	
		1	0	18.41	18.27	18.26	5	19	
		1	24	18.20	18.12	18.14	5	19	
		1	49	18.16	18.11	18.08	5	19	
		25	0	18.47	18.11	18.13	5	19	
		25	12	18.24	18.15	17.97	5	19	
		25	25	18.15	18.03	18.01	5	19	
		50	0	18.35	18.09	18.02	5	19	
5M	QPSK	Channel		150147	150207	150417	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)		680.5	689.5	695.5	MPR (dB)		
		1	0	23.40	23.25	23.11	0	24	
		1	12	23.16	23.03	22.92	0	24	
		1	24	22.92	22.89	22.87	0	24	
		12	0	22.47	22.38	22.06	1	23	
		12	6	22.17	22.11	21.97	1	23	
		12	12	22.03	22.00	22.00	1	23	
		25	0	22.14	22.07	21.98	1	23	
		1	0	22.59	22.25	22.30	1	23	
	16QAM	1	12	22.36	22.16	22.20	1	23	
		1	24	22.21	21.99	21.94	1	23	
		12	0	21.34	21.08	21.13	2	22	
		12	6	21.28	21.08	21.03	2	22	
		12	12	21.18	21.02	21.03	2	22	
		25	0	21.19	21.12	21.00	2	22	
		1	0	21.65	21.16	21.06	2	22	
		1	12	21.36	21.17	21.19	2	22	
		1	24	21.03	20.92	20.86	2	22	
		12	0	20.33	20.17	20.14	3	21	
	64QAM	12	6	20.22	20.07	19.98	3	21	
		12	12	20.02	19.97	19.98	3	21	
		25	0	20.25	20.10	19.91	3	21	
		1	0	18.55	18.23	18.19	5	19	
		1	12	18.20	18.11	18.13	5	19	
		1	24	18.16	18.05	18.15	5	19	
		12	0	18.38	18.19	18.07	5	19	
		12	6	18.25	18.00	18.01	5	19	
		12	12	18.11	18.04	18.03	5	19	
		25	0	18.32	18.08	18.03	5	19	

Sim-TX Receiver on DSI1

n2 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	20.65	20.46	20.29	21
		1	53	20.26	20.02	20.05	21
		1	104	20.36	20.04	20.00	21
		50	0	19.92	19.76	19.59	20.5
		50	28	20.40	20.24	20.15	21
		50	56	19.65	19.53	19.32	20.5
		100	0	19.67	19.59	19.29	20.5
	DFT-s-OFDM QPSK	1	1	20.87	20.49	20.30	21
		1	53	20.70	20.34	20.26	21
		1	104	20.39	20.27	20.20	21
		50	0	19.59	19.41	19.21	20
		50	28	20.63	20.37	20.19	21
		50	56	19.60	19.27	19.18	20
		100	0	19.61	19.29	19.20	20
	DFT-s-OFDM 16QAM	1	1	19.75	19.57	19.41	20
	DFT-s-OFDM 64QAM	1	1	18.47	18.27	18.11	18.5
	DFT-s-OFDM 256QAM	1	1	16.26	15.88	15.96	16.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	20.85	20.47	20.09	21
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.45	20.12	21
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	20.84	20.46	20.13	21

n5 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.66	23.61	23.53	24.5
		1	53	23.46	23.57	23.62	24.5
		1	104	23.53	23.59	23.52	24.5
		50	0	23.16	23.11	23.19	24
		50	28	23.63	23.64	23.60	24.5
		50	56	23.06	23.15	23.22	24
		100	0	23.13	23.16	23.16	24
	DFT-s-OFDM QPSK	1	1	23.65	23.67	23.73	24.5
		1	53	23.48	23.60	23.63	24.5
		1	104	23.61	23.58	23.52	24.5
		50	0	22.55	22.57	22.64	23.5
		50	28	23.54	23.59	23.60	24.5
		50	56	22.54	22.59	22.61	23.5
		100	0	22.61	22.65	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.95	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	20.82	20.89	20.65	22
	DFT-s-OFDM 256QAM	1	1	18.76	18.77	18.63	20
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.68	23.70	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.54	23.55	23.69	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.62	23.48	23.64	24.5

n7 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	22.42	22.25	22.27	23
		1	53	22.37	22.31	22.25	23
		1	104	22.36	22.27	22.22	23
		50	0	21.92	21.74	21.72	22.5
		50	28	22.40	22.24	22.29	23
		50	56	21.86	21.63	21.71	22.5
	DFT-s-OFDM QPSK	100	0	21.91	21.75	21.68	22.5
		1	1	22.52	22.39	22.33	23
		1	53	22.44	22.31	22.26	23
		1	104	22.40	22.28	22.23	23
		50	0	21.45	21.23	21.21	22
		50	28	22.43	22.22	22.20	23
		50	56	21.38	21.25	21.21	22
		100	0	21.37	21.22	21.23	22
	DFT-s-OFDM 16QAM	1	1	21.71	21.56	21.53	22
	DFT-s-OFDM 64QAM	1	1	19.66	19.47	19.38	20.5
	DFT-s-OFDM 256QAM	1	1	17.37	17.25	17.17	18.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	22.36	22.23	22.28	23
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	22.41	22.29	22.27	23
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	22.38	22.21	22.25	23

n12 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	22.11	22.08	22.08	24
		1	39	22.07	22.06	22.01	24
		1	77	22.03	22.08	22.04	24
		36	0	21.51	21.53	21.60	23.5
		36	19	22.03	22.07	22.06	24
		36	43	21.52	21.62	21.51	23.5
	DFT-s-OFDM QPSK	75	0	21.60	21.57	21.55	23.5
		1	1	22.13	22.14	22.09	24
		1	39	22.08	22.06	22.02	24
		1	77	22.11	22.07	22.05	24
		36	0	21.02	21.02	21.06	23
		36	19	22.00	22.05	22.04	24
		36	39	21.08	21.11	21.09	23
		75	0	21.06	21.19	21.07	23
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.32	23
	DFT-s-OFDM 64QAM	1	1	19.57	19.63	19.52	21.5
	DFT-s-OFDM 256QAM	1	1	17.57	17.60	17.51	19.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequency (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	22.08	22.11	22.03	24
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequency (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	22.05	22.08	22.04	24

n13 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			156400		
		Frequency (MHz)			782		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.99		24
		1	26		23.02		24
		1	50		23.05		24
		25	0		22.53		23.5
		25	13		22.98		24
		25	27		22.49		23.5
	DFT-s-OFDM QPSK	50	0		22.58		23.5
		1	1		23.08		24
		1	26		23.03		24
		1	50		23.01		24
		25	0		21.93		23
		25	13		23.02		24
	DFT-s-OFDM 16QAM	25	27		22.01		23
		50	0		22.10		23
		1	1		22.16		23
		1	1		20.02		21.5
		1	1		18.12		19.5
		1	1		18.12		19.5
BW	MCS Index	Channel		155900	156400	156900	Max. Tune-up
		Frequency (MHz)		779.5	782	784.5	
5M	DFT-s-OFDM QPSK	1	1	22.99	23.04	22.97	24

n14 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			158600		
		Frequency (MHz)			793		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.08		24
		1	26		23.01		24
		1	50		22.89		24
		25	0		22.48		23.5
		25	13		23.04		24
		25	27		22.53		23.5
	DFT-s-OFDM QPSK	50	0		22.47		23.5
		1	1		23.10		24
		1	26		23.02		24
		1	50		22.90		24
		25	0		21.99		23
		25	13		23.06		24
	DFT-s-OFDM 16QAM	25	27		22.03		23
		50	0		21.98		23
		1	1		22.36		23
		1	1		20.21		21.5
		1	1		17.87		19.5
		1	1		17.87		19.5
BW	MCS Index	Channel		158100	158600	159100	Max. Tune-up
		Frequency (MHz)		790.5	793	795.5	
5M	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.02	24

n25 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	20.33	19.86	19.48	21
		1	53	20.34	19.71	19.45	21
		1	104	20.11	19.51	19.28	21
		50	0	19.64	19.27	18.94	20.5
		50	28	20.21	19.57	19.40	21
		50	56	19.64	18.95	18.79	20.5
		100	0	19.63	19.07	18.92	20.5
	DFT-s-OFDM QPSK	1	1	20.35	20.11	19.93	21
		1	53	20.20	19.78	19.46	21
		1	104	19.96	19.68	19.40	21
		50	0	19.33	18.81	18.71	20.5
		50	28	20.23	19.80	19.54	21
		50	56	19.13	18.55	18.53	20.5
		100	0	19.19	18.83	18.56	20.5
	DFT-s-OFDM 16QAM	1	1	19.37	19.16	19.50	20
	DFT-s-OFDM 64QAM	1	1	18.19	17.78	18.15	18.5
	DFT-s-OFDM 256QAM	1	1	15.79	15.34	15.78	16.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	20.19	20.08	20.01	21
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	20.15	19.98	19.92	21
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	21.09	23.00	19.86	21

n30 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			462000		
		Frequency (MHz)			2310		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.76		24
		1	26		23.81		24
		1	50		23.59		24
		25	0		23.14		23.5
		25	13		23.70		24
		25	27		23.12		23.5
		50	0		23.15		23.5
	DFT-s-OFDM QPSK	1	1		23.86		24
		1	26		23.81		24
		1	50		23.67		24
		25	0		22.71		23
		25	13		23.70		24
		25	27		22.73		23
		50	0		22.75		23
	DFT-s-OFDM 16QAM	1	1		22.85		23
	DFT-s-OFDM 64QAM	1	1		21.01		21.5
	DFT-s-OFDM 256QAM	1	1		18.83		19.5

n38 (SCS 30 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.63	23.58	23.54	24
		1	53	23.42	23.31	23.39	24
		1	104	23.41	23.25	23.38	24
		50	0	23.13	22.94	22.95	23.5
		50	28	23.47	23.39	23.45	24
		50	56	22.99	22.78	22.84	23.5
	DFT-s-OFDM QPSK	100	0	23.01	22.92	22.99	23.5
		1	1	23.68	23.62	23.58	24
		1	53	23.44	23.39	23.31	24
		1	104	23.32	23.32	23.26	24
		50	0	22.64	22.43	22.46	23
		50	28	23.47	23.36	23.43	24
	DFT-s-OFDM 16QAM	50	56	22.48	22.25	22.30	23
		100	0	22.49	22.40	22.45	23
		1	1	22.69	22.73	22.65	23
		1	1	20.85	20.83	20.88	21.5
		1	1	18.59	18.65	18.61	19.5
		1	1	18.59	18.65	18.61	19.5
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	23.60	23.56	23.52	24
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	23.59	23.58	23.56	24

PC3_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	22.49	22.38	22.45	24
		1	137	22.56	22.35	22.72	24
		1	271	22.43	22.62	22.81	24
		135	0	22.61	22.34	22.42	23.5
		135	69	22.58	22.29	22.72	24
		135	138	22.52	22.37	22.42	23.5
	DFT-s-OFDM QPSK	270	0	22.65	22.39	22.68	23.5
		1	1	22.67	22.76	23.08	24
		1	137	22.52	22.35	22.42	24
		1	271	22.49	22.53	22.78	24
		135	0	22.61	22.33	22.43	23
		135	69	22.64	22.41	22.79	24
	DFT-s-OFDM 16QAM	135	138	22.53	22.35	22.45	23
		270	0	22.61	22.42	22.67	23
		1	1	22.63	22.71	22.36	23
		1	1	21.95	21.83	21.75	22.5
		1	1	19.72	19.59	19.62	20.5
		1	1	19.72	19.59	19.62	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.66	22.62	22.87	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.61	22.73	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.73	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.63	22.69	22.79	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.65	22.70	22.82	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.73	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	22.62	22.67	22.78	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.62	22.70	22.80	24

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.77	22.74	22.94	23.5
		1	53	22.84	22.54	22.98	23.5
		1	104	22.75	22.76	23.03	23.5
		50	0	22.06	22.07	22.06	23
		50	28	22.72	22.61	23.01	23.5
		50	56	22.06	22.09	22.01	23
		100	0	22.04	22.02	22.04	23
	DFT-s-OFDM QPSK	1	1	22.92	22.83	23.06	23.5
		1	53	22.80	22.57	23.04	23.5
		1	104	22.70	22.59	23.03	23.5
		50	0	22.06	22.07	22.03	22.5
		50	28	22.72	22.77	22.99	23.5
		50	56	22.00	22.02	22.05	22.5
		100	0	22.02	22.05	22.05	22.5
	DFT-s-OFDM 16QAM	1	53	22.46	22.39	22.00	22.5
	DFT-s-OFDM 64QAM	1	53	20.97	20.84	20.95	21
	DFT-s-OFDM 256QAM	1	53	18.88	18.88	18.99	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.87	22.72	22.98	23.5

n66 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM Pi/2 BPSK	1	1	20.66	20.77	20.48	21.5
		1	80	20.58	20.57	20.15	21.5
		1	158	20.42	20.30	20.02	21.5
		80	0	19.64	20.30	19.88	21
		80	40	20.56	20.63	20.53	21.5
		80	80	19.62	20.04	19.64	21
		160	0	19.71	20.16	19.97	21
	DFT-s-OFDM QPSK	1	1	20.75	20.86	20.66	21.5
		1	80	20.67	20.72	20.34	21.5
		1	158	20.60	20.27	20.12	21.5
		80	0	19.70	19.71	19.43	21
		80	40	20.55	20.58	20.36	21.5
		80	80	19.62	19.60	19.29	21
		160	0	19.80	19.65	19.55	21
	DFT-s-OFDM 16QAM	1	1	19.65	19.72	19.76	20.5
	DFT-s-OFDM 64QAM	1	1	18.08	18.23	18.23	19
	DFT-s-OFDM 256QAM	1	1	16.84	16.71	16.47	17
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	20.81	20.87	20.68	21.5
BW	MCS Index	Channel		343500	349000	23.57	Max. Tune-up
		Frequency (MHz)		1717.5	1745	23.57	
15M	DFT-s-OFDM QPSK	1	1	20.78	20.83	20.66	21.5
BW	MCS Index	Channel		343000	349000	23.57	Max. Tune-up
		Frequency (MHz)		1715	1745	23.57	
10M	DFT-s-OFDM QPSK	1	1	20.75	20.86	20.64	21.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	20.76	20.81	20.73	21.5

n71 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.40	23.16	22.99	24.5
		1	53	23.18	23.02	22.91	24.5
		1	104	22.93	22.82	22.59	24.5
		50	0	22.68	22.62	22.44	24
		50	28	23.21	23.01	22.95	24.5
		50	56	22.56	22.35	22.26	24
		100	0	22.62	22.41	22.30	24
	DFT-s-OFDM QPSK	1	1	23.49	23.19	23.00	24.5
		1	53	23.18	23.05	22.95	24.5
		1	104	22.99	22.83	22.61	24.5
		50	0	22.31	22.12	22.05	23.5
		50	28	23.12	23.06	22.86	24.5
		50	56	22.15	21.94	21.79	23.5
		100	0	22.19	22.01	21.91	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.44	22.27	23.5
	DFT-s-OFDM 64QAM	1	1	20.45	20.33	20.23	22
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.06	20
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.15	22.99	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.47	23.11	22.97	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.44	22.96	22.96	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		22.15		23
		1	137		22.01		23
		1	271		22.20		23
		135	0		21.41		22.5
		135	69		21.99		23
		135	138		22.17		22.5
		270	0		21.98		22.5
		1	1		22.27		23
	DFT-s-OFDM QPSK	1	137		21.96		23
		1	271		22.12		23
		135	0		21.96		22.5
		135	69		22.11		23
		135	138		22.11		22.5
		270	0		22.04		22.5
		DFT-s-OFDM 16QAM	1	1	21.63		22.5
		DFT-s-OFDM 64QAM	1	1	20.85		21.5
		DFT-s-OFDM 256QAM	1	1	18.72		19.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	21.61	21.62	21.56	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	21.78	21.83	22.02	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	21.99	22.01	22.05	23
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.98	22.24	22.05	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.20	22.12	22.12	23

n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	21.85	22.28	22.03	23
		1	137	21.85	22.08	22.33	23
		1	271	21.90	22.09	22.36	23
		135	0	21.90	22.15	22.20	22.5
		135	69	21.94	22.10	22.41	23
		135	138	21.88	22.07	22.28	22.5
		270	0	22.00	21.98	22.34	22.5
	DFT-s-OFDM QPSK	1	1	22.03	22.32	22.54	23
		1	137	21.95	22.12	22.32	23
		1	271	22.02	22.15	22.41	23
		135	0	21.93	22.25	22.27	22.5
		135	69	21.91	22.15	22.32	23
		135	138	21.89	22.03	22.12	22.5
		270	0	21.87	22.30	22.12	22.5
	DFT-s-OFDM 16QAM	1	1	22.00	22.44	22.20	22.5
	DFT-s-OFDM 64QAM	1	1	20.97	21.23	21.16	21.5
	DFT-s-OFDM 256QAM	1	1	18.75	19.29	19.00	19.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	22.01	22.28	22.31	23
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	22.00	22.15	22.29	23
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.02	22.26	22.26	23
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	21.98	22.22	22.35	23
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	21.95	22.27	22.32	23

n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		21.95		23
		1	137		22.10		23
		1	271		22.36		23
		135	0		22.08		22.5
		135	69		22.11		23
		135	138		22.31		22.5
		270	0		22.15		22.5
	DFT-s-OFDM QPSK	1	1		22.41		23
		1	137		22.14		23
		1	271		22.30		23
		135	0		22.06		22.5
		135	69		22.33		23
		135	138		22.30		22.5
		270	0		22.12		22.5
	DFT-s-OFDM 16QAM	1	1		21.91		22.5
	DFT-s-OFDM 64QAM	1	1		20.96		21.5
	DFT-s-OFDM 256QAM	1	1		18.92		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.06	21.93	22.16	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.04	22.02	22.03	23
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.20	22.04	22.23	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.16	22.00	22.29	23
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.22	22.05	22.23	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.26	22.36	22.25	23
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.10	22.24	22.14	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.20	22.28	22.16	23

Sim-TX Receiver on DSI1

PC2_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	24.52	24.29	24.06	25
		1	137	24.54	24.22	24.34	25
		1	271	24.47	24.51	24.65	25
		135	0	24.09	23.78	23.67	24.5
		135	69	24.58	24.26	24.35	25
		135	138	23.96	23.74	24.10	24.5
	DFT-s-OFDM QPSK	270	0	24.03	23.77	23.90	24.5
		1	1	24.59	24.55	24.73	25
		1	137	24.48	24.23	24.33	25
		1	271	24.41	24.49	24.62	25
		135	0	23.58	23.28	23.16	24
		135	69	24.34	24.22	24.37	25
	DFT-s-OFDM 16QAM	135	138	23.46	23.34	23.62	24
		270	0	23.42	23.26	23.52	24
		1	1	23.62	23.36	23.22	24
		1	1	21.73	21.41	21.25	22.5
		1	1	19.56	19.27	19.06	20.5
		1	1	19.56	19.27	19.06	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.52	24.54	24.60	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.56	24.49	24.71	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.62	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.44	24.53	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.44	24.45	24.67	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.53	24.43	24.59	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.51	24.52	24.70	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.54	24.42	24.64	25

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		24.10		25
		1	137		23.82		25
		1	271		24.19		25
		135	0		22.64		24.5
		135	69		23.94		25
		135	138		23.11		24.5
	DFT-s-OFDM QPSK	270	0		22.94		24.5
		1	1		24.38		25
		1	137		23.78		25
		1	271		24.17		25
		135	0		22.81		24
		135	69		24.22		25
	DFT-s-OFDM 16QAM	135	138		23.21		24
		270	0		23.02		24
		1	1		23.44		24
		1	1		21.95		22.5
		1	1		19.36		20.5
		1	1		19.36		20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	24.22	24.06	24.18	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.16	24.28	24.25	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.13	24.11	24.12	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	24.26	24.15	24.22	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.12	23.97	24.32	25

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.82	23.87	23.73	25
		1	137	24.04	23.78	24.25	25
		1	271	24.01	23.83	24.30	25
		135	0	22.93	23.31	23.01	24.5
		135	69	23.98	23.96	24.21	25
		135	138	22.93	23.38	23.25	24.5
		270	0	23.07	23.32	23.10	24.5
	DFT-s-OFDM QPSK	1	1	24.12	23.91	24.36	25
		1	137	23.96	23.78	24.12	25
		1	271	23.96	23.84	24.03	25
		135	0	22.97	22.80	23.01	24
		135	69	24.09	23.87	24.27	25
		135	138	23.02	22.85	23.17	24
		270	0	23.02	22.84	23.12	24
	DFT-s-OFDM 16QAM	1	1	23.40	23.08	23.53	24
	DFT-s-OFDM 64QAM	1	1	21.46	21.10	21.59	22.5
	DFT-s-OFDM 256QAM	1	1	19.03	18.80	19.31	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	24.12	23.82	24.21	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	24.07	23.90	24.22	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	23.98	23.90	24.24	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	24.05	23.97	24.22	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.99	23.85	24.30	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		24.26		25
		1	137		24.04		25
		1	271		24.41		25
		135	0		22.92		24.5
		135	69		24.12		25
		135	138		23.26		24.5
		270	0		23.10		24.5
	DFT-s-OFDM QPSK	1	1		24.42		25
		1	137		24.01		25
		1	271		24.38		25
		135	0		22.91		24
		135	69		24.08		25
		135	138		23.19		24
		270	0		23.10		24
	DFT-s-OFDM 16QAM	1	1		23.53		24
	DFT-s-OFDM 64QAM	1	1		21.57		22.5
	DFT-s-OFDM 256QAM	1	1		19.44		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	24.12	23.79	24.12	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	24.18	23.81	24.29	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	24.15	23.87	24.24	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.38	23.91	24.18	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	24.22	23.90	24.14	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.32	24.21	24.15	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	24.16	24.22	24.22	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.20	24.15	24.25	25

Sim-TX Receiver on_DS11

PC3_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	509202	518598	528000		
		Frequency (MHz)	2546.01	2592.99	2640		
100M	CP-OFDM QPSK	1	1	21.03	21.09	21.32	22
		1	137	20.96	20.87	20.98	22
		1	271	21.00	20.98	21.20	22
		137	0	19.92	19.69	19.55	21
		137	68	20.88	20.74	20.81	22
		137	136	19.80	19.74	20.06	21
		273	0	19.89	19.73	19.84	21
	CP-OFDM 16QAM	1	1	20.98	20.86	20.80	21
	CP-OFDM 64QAM	1	1	19.23	19.20	19.00	20.5
	CP-OFDM 256QAM	1	1	18.72	18.55	18.51	19
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	20.94	20.98	21.22	22
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	20.94	21.01	21.21	22
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	20.95	21.08	21.25	22
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	20.92	21.05	21.21	22
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	21.00	21.00	21.28	22
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	20.96	21.01	21.31	22
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	20.99	21.04	21.20	22
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	20.91	21.03	21.18	22

n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	22.65			24
		1	137	22.40			24
		1	271	22.53			24
		137	0	21.10			23
		137	68	22.33			24
		137	136	21.06			23
		273	0	21.00			23
	CP-OFDM 16QAM	1	1	21.91			23.5
	CP-OFDM 64QAM	1	1	20.08			22
	CP-OFDM 256QAM	1	1	17.20			19
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	22.62	22.73	22.66	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	22.74	22.68	22.72	24
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	22.49	22.66	22.62	24
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	22.63	22.59	22.73	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	22.76	22.58	22.65	24

n77 (SCS 30 kHz) 3700–3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	23.30	23.04	23.35	24
		1	137	23.03	22.71	23.01	24
		1	271	23.05	22.98	22.95	24
		137	0	21.77	21.64	21.68	23
		137	68	23.24	22.94	23.22	24
		137	136	21.69	21.51	21.81	23
		273	0	21.74	21.59	21.70	23
	CP-OFDM 16QAM	1	1	22.86	22.77	22.85	23.5
	CP-OFDM 64QAM	1	1	21.09	20.97	20.95	22
	CP-OFDM 256QAM	1	1	18.19	18.02	18.08	19
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	23.31	23.15	23.23	24
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	23.30	23.09	23.15	24
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	23.16	23.00	23.15	24
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	23.28	23.13	23.26	24
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	23.32	23.11	23.21	24

n78 (SCS 30 kHz) 3450–3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		22.97		24
		1	137		22.73		24
		1	271		22.80		24
		137	0		21.38		23
		137	68		22.74		24
		137	136		21.39		23
		273	0		21.33		23
	CP-OFDM 16QAM	1	1		21.80		23
	CP-OFDM 64QAM	1	1		20.25		21.5
	CP-OFDM 256QAM	1	1		17.82		19.5
BW	MCS Index	Channel	633000	633334	633666	Max. Tune-up	
		Frequency (MHz)	3495	3500.01	3504.99		
90M	CP-OFDM QPSK	1	1	22.93	22.95	22.92	24
BW	MCS Index	Channel	632668	633334	634000	Max. Tune-up	
		Frequency (MHz)	3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	22.80	22.87	22.84	24
BW	MCS Index	Channel	632334	633334	634332	Max. Tune-up	
		Frequency (MHz)	3485.01	3500.01	3514.98		
70M	CP-OFDM QPSK	1	1	22.92	22.88	22.83	24
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up	
		Frequency (MHz)	3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	22.84	22.87	22.86	24
BW	MCS Index	Channel	631668	633334	635000	Max. Tune-up	
		Frequency (MHz)	3475.02	3500.01	3525		
50M	CP-OFDM QPSK	1	1	22.87	22.83	22.83	24
BW	MCS Index	Channel	631334	633334	635332	Max. Tune-up	
		Frequency (MHz)	3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	22.89	22.87	22.89	24
BW	MCS Index	Channel	631000	633334	635666	Max. Tune-up	
		Frequency (MHz)	3465	3500.01	3534.99		
30M	CP-OFDM QPSK	1	1	22.83	22.83	22.79	24
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up	
		Frequency (MHz)	3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	22.89	22.90	22.79	24

Sim-TX Receiver on_DS11

PC2_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		509202	518598	528000	
Frequency (MHz)		2546.01	2592.99	2640			
100M	CP-OFDM QPSK	1	1	21.57	21.52	21.66	22
		1	137	21.54	21.37	21.44	22
		1	271	21.54	21.49	21.59	22
		137	0	19.95	19.74	19.55	21
		137	68	21.47	21.21	21.45	22
		137	136	19.85	19.80	20.06	21
		273	0	20.64	19.71	19.83	21
	CP-OFDM 16QAM	1	1	21.01	20.92	20.73	22
	CP-OFDM 64QAM	1	1	19.26	19.19	19.01	20.5
	CP-OFDM 256QAM	1	1	18.83	18.59	18.64	19.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	21.44	21.37	21.55	22
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	21.51	21.48	21.53	22
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	21.50	21.42	21.58	22
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	21.42	21.40	21.54	22
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	21.54	21.44	21.55	22
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	21.45	21.42	21.61	22
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	21.50	21.43	21.56	22
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	21.46	21.40	21.59	22

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
					Mid		
				Channel	633334		
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.07		24
		1	137		22.82		24
		1	271		22.89		24
		137	0		21.21		23
		137	68		22.90		24
		137	136		21.20		23
		273	0		21.22		23
	CP-OFDM 16QAM	1	1		22.07		23.5
	CP-OFDM 64QAM	1	1		20.44		22
	CP-OFDM 256QAM	1	1		17.60		19.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.04	23.06	23.04	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	22.93	22.95	22.94	24
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	22.99	22.97	22.99	24
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	22.92	23.00	22.92	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	22.99	22.98	23.00	24

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	24.60	24.63	24.75	25
		1	137	24.47	24.48	24.71	25
		1	271	24.45	24.53	24.62	25
		137	0	22.99	23.04	23.05	24
		137	68	24.34	24.39	24.54	25
		137	136	22.88	22.99	23.01	24
		273	0	22.95	22.98	23.03	24
	CP-OFDM 16QAM	1	1	23.97	24.13	24.05	24.5
	CP-OFDM 64QAM	1	1	22.22	22.33	22.34	23
	CP-OFDM 256QAM	1	1	19.39	19.40	19.39	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.33	24.51	24.68	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.32	24.54	24.66	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.33	24.56	24.65	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.35	24.55	24.69	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.32	24.55	24.71	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)			633334		
100M	CP-OFDM QPSK	1	1		23.29		24
		1	137		22.86		24
		1	271		23.00		24
		137	0		21.36		23
		137	68		23.17		24
		137	136		21.26		23
		273	0		21.33		23
	CP-OFDM 16QAM	1	1		22.37		23
	CP-OFDM 64QAM	1	1		20.70		21.5
	CP-OFDM 256QAM	1	1		17.82		19.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	23.22	23.27	23.24	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.17	23.24	23.20	24
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	23.14	23.21	23.14	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.12	23.26	23.17	24
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	23.09	23.17	23.19	24
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.11	23.23	23.18	24
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.18	23.22	23.18	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.15	23.13	23.19	24

		LTE Band 25 (Aster)									
BW	Modulation	RB Size	RB Count	Low	Mid	High	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
10QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
20M	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
64QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
250QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
BW	Modulation	Channel	Power	Power	Power	Power	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
10QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
64QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
250QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
BW	Modulation	Channel	Power	Power	Power	Power	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
10QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
64QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
250QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
BW	Modulation	Channel	Power	Power	Power	Power	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
10QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
64QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
250QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
BW	Modulation	Channel	Power	Power	Power	Power	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
10QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
64QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
250QAM	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				
	1	0	23.64	23.65	23.65	0	24				

		LTE Band 20 (Aster)						
BW	Modulation	RB Size	RB Offset	Sub	SC-FDMA	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Power (dBm)				
10M	QPSK	1	0	2778	0	24.5		
		1	24	2843	0	24.5		
		1	48	2812	0	24.5		
		25	0	2315	1	23.5		
		25	12	2320	1	23.5		
		25	25	2313	1	23.5		
	16QAM	1	0	2286	1	23.5		
		1	24	2274	1	23.5		
		1	48	2271	1	23.5		
		25	0	2208	2	22.5		
		25	12	2201	2	22.5		
		25	25	2198	2	22.5		
	64QAM	1	0	2220	2	22.5		
		1	24	2178	2	22.5		
		1	48	2168	2	22.5		
		25	0	2102	3	21.5		
		25	12	2101	3	21.5		
		25	25	2100	3	21.5		
	256QAM	1	0	1827	5	19.5		
		1	24	1827	5	19.5		
		1	48	1820	5	19.5		
		25	0	1814	5	19.5		
		25	12	1810	5	19.5		
		25	25	1803	5	19.5		
5M	QPSK	1	0	2778	0	24.5		
		1	12	2812	0	24.5		
		1	24	2843	0	24.5		
		12	0	2301	23.00	1	23.5	
		12	6	2321	23.17	1	23.5	
		12	13	2309	23.08	1	23.5	
	16QAM	25	0	2296	22.96	1	23.5	
		1	0	2286	22.79	1	23.5	
		1	12	2272	22.68	1	23.5	
		1	24	2268	22.59	2	22.5	
		12	0	2195	21.99	2	22.5	
		12	6	2182	21.85	2	22.5	
	64QAM	12	13	2181	21.80	2	22.5	
		25	0	2103	21.07	2	22.5	
		1	0	2104	21.03	2	22.5	
		1	12	2102	21.00	2	22.5	
		12	0	2037	20.36	3	21.5	
		12	6	2030	20.36	3	21.5	
	256QAM	12	13	2032	20.31	3	21.5	
		25	0	2003	20.00	3	21.5	
		1	0	1834	18.37	5	19.5	
		1	12	1872	18.74	5	19.5	
		1	24	1872	18.73	5	19.5	
		12	0	1807	18.06	5	19.5	
256QAM	12	6	1803	18.05	5	19.5		
	12	13	1803	18.06	5	19.5		
	25	0	1804	18.02	5	19.5		

BWP	Subcarriers	LTE Band 41 (2535 - 2600MHz) PC (2x2)										
		RB Size	RB Offset	Low	High	Min	Max	Min	Max	SCS	CP	
		Frequency (MHz)	Channel	Start	End	Start	End	Start	End	Sub-Carrier Spacing (kHz)	Normal Cyclic Prefix	
QPSK	1	0	22,21	22,25	23,30	23,60	22,28	0	24			
	2	0	22,16	22,20	23,25	23,55	22,23	0	24			
	1	89	22,18	22,21	22,27	23,30	22,17	0	24			
	50	0	21,23	21,26	21,34	21,36	21,17	1	23			
	50	25	21,24	21,30	21,43	21,49	21,30	1	23			
	50	50	21,22	21,32	21,37	21,52	21,29	1	23			
	100	0	21,31	21,41	21,25	21,59	21,22	1	23			
	1	50	21,25	21,27	21,20	21,48	21,10	1	23			
	1	50	21,26	21,31	21,29	21,49	21,12	1	23			
	50	0	20,31	20,33	20,20	20,44	20,18	1	22			
16QAM	50	25	20,30	20,34	20,34	20,43	20,20	2	22			
	50	50	20,32	20,31	20,33	20,41	20,27	2	22			
	1	89	20,48	20,45	20,52	20,58	20,46	2	22			
	1	89	20,47	20,48	20,54	20,58	20,47	2	22			
	50	25	19,33	19,38	19,38	19,46	19,34	3	21			
	50	0	18,30	18,30	19,33	19,44	18,34	3	21			
	1	89	17,32	17,33	17,40	17,49	17,32	3	21			
	1	0	17,27	17,27	17,35	17,52	17,20	3	19			
	1	89	17,31	17,31	17,38	17,44	17,28	3	19			
	1	89	17,19	17,19	17,22	17,42	17,12	3	19			
256QAM	50	0	17,33	17,33	17,45	17,53	17,44	3	19			
	50	50	17,32	17,32	17,40	17,49	17,32	3	19			
	50	50	17,31	17,31	17,38	17,44	17,28	3	19			
	50	0	17,24	17,24	17,31	17,38	17,22	3	19			
	50	0	17,27	17,27	17,35	17,42	17,27	3	19			
	50	0	17,19	17,19	17,21	17,31	17,19	3	19			
	50	0	17,17	17,17	17,19	17,29	17,17	3	19			
	1	37	23,14	23,15	23,21	23,30	22,16	0	24			
	1	74	22,17	22,18	22,21	22,41	22,18	0	24			
	1	37	23,10	23,16	23,11	23,43	23,10	0	24			
QPSK	36	18	21,21	21,28	21,38	21,46	21,12	1	23			
	36	36	21,17	21,23	21,30	21,45	21,11	1	23			
	36	0	21,18	21,17	21,17	21,41	21,17	1	23			
	0	21,29	21,32	21,10	21,50	21,29	1	23				
	37	1	21,14	21,15	21,15	21,46	21,14	1	23			
	1	74	21,05	21,0	21,05	21,30	21,04	1	23			
	36	0	20,21	20,22	20,19	20,43	20,20	2	22			
	36	19	20,32	20,30	20,27	20,31	20,13	1	22			
	36	39	20,25	20,27	20,24	20,30	20,12	2	22			
	75	0	20,31	20,39	20,39	20,50	20,29	2	22			
16QAM	20	34	20,34	20,34	20,34	20,40	20,38	2	22			
	1	37	20,30	20,23	20,39	20,50	20,30	2	22			
	1	37	20,30	20,23	20,39	20,50	20,30	2	22			
	36	0	19,37	19,38	19,38	19,42	19,36	3	21			
	36	19	19,27	19,38	19,32	19,45	19,32	3	21			
	36	34	19,34	19,34	19,34	19,38	19,34	3	21			
	75	0	19,24	19,23	19,18	19,31	19,22	3	19			
	1	0	17,13	17,14	17,22	17,41	17,22	3	19			
	1	37	17,29	17,30	17,36	17,46	17,36	3	19			
	1	74	17,12	17,08	17,07	17,40	17,08	3	19			
256QAM	36	0	17,27	17,19	17,42	17,56	17,27	3	19			
	36	18	17,13	17,25	17,23	17,31	17,17	3	19			
	36	39	17,27	17,24	17,23	17,34	17,11	3	19			
	75	0	17,18	17,17	17,17	17,29	17,18	3	19			
	Channel	2535	2600	4080	4080	4160	4160	SCS	CP	Min. Spacing (MHz)		
	Frequency (MHz)	2535	2600	4080	4080	4160	4160	SCS	CP	Min. Spacing (MHz)		
	QPSK	1	24	22,17	22,05	22,27	22,49	22,21	0	24		
		1	49	22,10	22,16	22,34	22,55	22,10	0	24		
		1	24	22,12	22,11	22,15	22,41	22,11	0	24		
		25	12	21,20	21,23	21,39	21,48	21,13	1	23		
25		25	21,07	21,17	21,27	21,44	21,07	1	23			
50		0	21,07	21,18	21,27	21,44	21,07	1	23			
1		0	21,23	21,34	21,24	21,54	21,18	1	23			
1		24	21,18	21,18	21,07	21,44	21,07	1	23			
1		49	21,19	21,02	21,09	21,32	20,11	1	23			
1		24	21,19	21,19	21,07	21,44	21,07	1	23			
16QAM	25	12	20,32	20,32	20,19	20,32	20,18	1	22			
	25	25	20,13	20,22	20,32	20,39	20,21	2	22			
	50	1	20,38	20,34	20,43	20,51	20,28	2	22			
	1	0	20,36	20,16	20,30	20,53	20,21	2	22			
	1	24	20,40	20,24	20,34	20,47	20,34	2	22			
	1	49	20,46	20,37	20,51	20,54	20,38	2	22			
	25	12	19,36	19,36	19,36	19,42	19,32	3	21			
	25	25	19,21	19,34	19,34	19,34	19,18	3	19			
	50	0	19,14	19,22	19,30	19,31	19,17	3	21			
	1	12	17,12	17,13	17,27	17,44	17,26	3	19			
QPSK	1	24	17,39	17,34	17,63	17,50	17,53	3	19			
	1	49	17,12	17,11	17,11	17,33	17,15	3	19			
	25	12	17,27	17,19	17,42	17,56	17,27	3	19			
	25	12	17,11	17,21	17,20	17,28	17,08	3	19			
	25	25	17,17	17,20	17,20	17,21	17,14	3	19			
	50	0	17,16	17,23	17,24	17,33	17,12	3	19			
	1	0	20,12	20,12	22,19	22,59	22,22	0	24			
	1	12	22,13	22,09	22,27	22,53	22,13	0	24			
	1	24	22,12	22,12	22,22	22,52	22,11	0	24			
	12	0	21,16	21,13	21,13	21,43	21,11	1	23			
16QAM	12	13	21,11	21,27	21,23	21,47	21,11	1	23			
	25	0	21,19	21,16	21,25	21,53	21,12	1	23			
	1	12	21,12	21,22	21,07	21,35	20,09	1	23			
	1	24	21,17	21,03	21,10	21,33	20,17	1	23			
	12	0	20,31	20,39	20,19	20,46	20,19	2	22			
	12	0	20,33	20,21	20,22	20,30	20,21	2	22			
	25	12	19,14	19,20	19,20	19,21	19,14	3	21			
	25	12	19,37	19,38	19,41	19,51	19,34	3	21			
	1	0	20,32	20,17	20,38	20,53	20,26	2	22			
	1	12	20,36	20,31	20,36	20,50	20,36	2	22			
QPSK	1	24	20,37	20,44	20,30	20,47	20,41	2	22			
	12	0	19,12	19,16	19,14	19,39	19,16	3	21			
	12	13	19,31	19,36	19,19	19,36	19,39	3	21			
	12	13	19,23	19,38	19,29	19,41	19,03	3	21			
	25	0	17,24	17,21	17,30	17,51	17,19	3	19			
	1	12	17,39	17,38	17,61	17,68	17,61	3	19			
	1	24	17,11	17,06	17,44	17,57	17,14	3	19			
	12	0	17,22	17,18	17,30	17,40	17,29	3	19			
	12	0	17,19	17,22	17,16	17,26	17,16	3	19			
	13	12	17,25	17,25	17,25	17,35	17,21	3	19			
256QAM	25	0	17,16	17,18	17,18	17,25	17,07	3	19			

LTE Band 66 (A66)											
BW	Modulation	RB Size	25.0MHz	25.0MHz	25.0MHz	25.0MHz	25.0MHz	25.0MHz	25.0MHz	25.0MHz	25.0MHz
		Channel	11202	11202	11202	11202	11202	11202	11202	11202	11202
20M	QPSK	Frequency (MHz)	11202	11202	11202	11202	11202	11202	11202	11202	11202
		1	0	2367	2367	2330	0	24			
		1	30	2367	2367	2330	0	24			
		1	30	2367	2367	2330	0	24			
		1	30	2367	2367	2330	0	24			
	16QAM	1	0	2288	2288	2244	1	23			
		1	30	2288	2288	2244	1	23			
		1	30	2288	2288	2244	1	23			
		1	30	2288	2288	2244	1	23			
		1	30	2288	2288	2244	1	23			
	64QAM	1	0	2186	2186	2131	2	22			
		1	30	2186	2186	2131	2	22			
		1	30	2186	2186	2131	2	22			
		1	30	2186	2186	2131	2	22			
		1	30	2186	2186	2131	2	22			
	256QAM	1	0	1888	1888	1844	5	19			
		1	30	1888	1888	1844	5	19			
		1	30	1888	1888	1844	5	19			
		1	30	1888	1888	1844	5	19			
		1	30	1888	1888	1844	5	19			
15M	QPSK	Channel	11207	11207	11207	11207	11207	11207	11207	11207	11207
		1	0	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
	16QAM	1	0	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
	64QAM	1	0	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
	256QAM	1	0	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
10M	QPSK	Channel	11215	11215	11215	11215	11215	11215	11215	11215	11215
		1	0	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
	16QAM	1	0	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
	64QAM	1	0	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
	256QAM	1	0	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
5M	QPSK	Channel	11223	11223	11223	11223	11223	11223	11223	11223	11223
		1	0	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
	16QAM	1	0	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
	64QAM	1	0	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
	256QAM	1	0	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
1.4M	QPSK	Channel	11231	11231	11231	11231	11231	11231	11231	11231	11231
		1	0	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
		1	37	2378	2367	2330	0	24			
	16QAM	1	0	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
		1	37	2261	2260	2228	1	23			
	64QAM	1	0	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
		1	37	2183	2183	2131	2	22			
	256QAM	1	0	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			
		1	37	1886	1886	1843	5	19			

Sim-TX_Receiver on_DS11

n2 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.61	23.55	23.32	24.5
		1	53	23.46	23.30	23.36	24.5
		1	104	23.52	23.32	23.33	24.5
		50	0	23.05	22.97	22.86	24
		50	28	23.58	23.49	23.44	24.5
		50	56	23.04	22.99	22.85	24
		100	0	23.10	22.95	22.89	24
	DFT-s-OFDM QPSK	1	1	23.63	23.61	23.49	24.5
		1	53	23.51	23.38	23.42	24.5
		1	104	23.47	23.40	23.36	24.5
		50	0	22.65	22.53	22.46	23.5
		50	28	23.61	23.51	23.46	24.5
		50	56	22.57	22.48	22.40	23.5
		100	0	22.67	22.56	22.56	23.5
	DFT-s-OFDM 16QAM	1	1	22.99	22.91	22.61	23.5
	DFT-s-OFDM 64QAM	1	1	20.74	20.75	20.45	22
	DFT-s-OFDM 256QAM	1	1	18.73	18.59	18.46	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.59	23.55	23.41	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.39	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.52	23.44	24.5

n25 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.59	23.43	23.48	24.5
		1	53	23.57	23.39	23.58	24.5
		1	104	23.52	23.45	23.50	24.5
		50	0	23.07	22.86	23.08	24
		50	28	23.54	23.33	23.57	24.5
		50	56	23.02	22.83	23.08	24
		100	0	23.03	22.81	23.05	24
	DFT-s-OFDM QPSK	1	1	23.65	23.47	23.60	24.5
		1	53	23.52	23.41	23.53	24.5
		1	104	23.54	23.39	23.57	24.5
		50	0	22.53	22.48	22.65	23.5
		50	28	23.55	23.43	23.52	24.5
		50	56	22.59	22.45	22.48	23.5
		100	0	22.59	22.43	22.55	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.79	22.75	23.5
	DFT-s-OFDM 64QAM	1	1	20.77	20.65	20.71	22
	DFT-s-OFDM 256QAM	1	1	18.53	18.41	18.52	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.53	23.57	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.49	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.51	24.5

PC3_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	22.44	22.47	22.59	24
		1	137	22.34	22.40	22.51	24
		1	271	22.30	22.80	22.54	24
		135	0	22.31	22.32	22.51	23.5
		135	69	22.39	22.37	22.55	24
		135	138	22.24	22.43	22.50	23.5
		270	0	22.31	22.45	22.49	23.5
	DFT-s-OFDM QPSK	1	1	22.46	22.75	22.83	24
		1	137	22.42	22.53	22.72	24
		1	271	22.43	22.72	22.81	24
		135	0	22.28	22.37	22.54	23
		135	69	22.30	22.44	22.68	24
		135	138	22.23	22.42	22.62	23
		270	0	22.32	22.43	22.54	23
	DFT-s-OFDM 16QAM	1	1	22.15	22.32	22.49	23
	DFT-s-OFDM 64QAM	1	1	21.79	21.87	21.72	22.5
	DFT-s-OFDM 256QAM	1	1	20.10	19.95	19.95	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.41	22.70	22.79	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.40	22.73	22.80	24
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.37	22.73	22.81	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.45	22.74	22.82	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.44	22.72	22.77	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
40M	DFT-s-OFDM QPSK	1	1	22.42	22.71	22.78	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
30M	DFT-s-OFDM QPSK	1	1	22.43	22.76	22.76	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.42	22.70	22.77	24

PC2_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	24.45	24.68	24.65	25
		1	137	24.28	24.48	24.63	25
		1	271	24.31	24.65	24.64	25
		135	0	23.80	23.62	23.84	24.5
		135	69	24.26	24.43	24.66	25
		135	138	23.74	24.06	24.22	24.5
		270	0	23.86	23.91	24.18	24.5
	DFT-s-OFDM QPSK	1	1	24.44	24.59	24.74	25
		1	137	24.28	24.37	24.71	25
		1	271	24.35	24.57	24.72	25
		135	0	23.27	23.31	23.52	24
		135	69	24.36	24.43	24.71	25
		135	138	23.31	23.58	23.77	24
		270	0	23.28	23.55	23.64	24
	DFT-s-OFDM 16QAM	1	1	23.32	23.34	23.45	24
	DFT-s-OFDM 64QAM	1	1	21.81	22.01	21.68	22.5
	DFT-s-OFDM 256QAM	1	1	19.71	20.04	19.92	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.41	24.56	24.70	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.42	24.53	24.72	25
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.40	24.57	24.71	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.43	24.56	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.40	24.52	24.73	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.38	24.50	24.70	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.39	24.55	24.67	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.37	24.54	24.64	25

n66 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P/2 BPSK	1	1	23.45	23.44	23.43	24.5
		1	80	23.43	23.51	23.28	24.5
		1	158	23.48	23.31	23.17	24.5
		80	0	23.09	23.08	22.95	24
		80	40	23.46	23.50	23.41	24.5
		80	80	23.03	22.98	22.85	24
		160	0	23.06	23.01	22.98	24
	DFT-s-OFDM QPSK	1	1	23.53	23.58	23.49	24.5
		1	80	23.41	23.54	23.39	24.5
		1	158	23.49	23.33	23.32	24.5
		80	0	22.52	22.63	22.45	23.5
		80	40	23.44	23.49	23.45	24.5
		80	80	22.56	22.51	22.36	23.5
		160	0	22.62	22.63	22.43	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.62	22.62	23.5
	DFT-s-OFDM 64QAM	1	1	20.53	20.58	20.48	22
	DFT-s-OFDM 256QAM	1	1	18.55	18.62	18.57	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.51	23.56	23.44	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.51	23.41	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.44	23.45	23.38	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.47	23.52	22.42	24.5

Sim-TX_Receiver on_DS11

CA_2C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
18700	1860	18898	1879.8	QPSK	1	99	1	0	23.81	24
				16QAM	1	99	1	0	22.82	23
				64QAM	1	99	1	0	21.71	22
				256QAM	1	99	1	0	18.84	19
18801	1870.1	18999	1889.9	QPSK	1	99	1	0	23.83	24
				16QAM	1	99	1	0	22.84	23
				64QAM	1	99	1	0	21.75	22
				256QAM	1	99	1	0	18.89	19
18902	1880.2	19100	1900	QPSK	1	99	1	0	23.69	24
				16QAM	1	99	1	0	22.87	23
				64QAM	1	99	1	0	21.84	22
				256QAM	1	99	1	0	18.81	19

CA_5B ANT0										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	23.73	24
				16QAM	1	49	1	0	22.91	23
				64QAM	1	49	1	0	19.88	22
				256QAM	1	49	1	0	18.96	19
20476	831.6	20575	841.5	QPSK	1	49	1	0	23.83	24
				16QAM	1	49	1	0	22.84	23
				64QAM	1	49	1	0	21.87	22
				256QAM	1	49	1	0	18.87	19
20501	834.1	20600	844	QPSK	1	49	1	0	23.88	24
				16QAM	1	49	1	0	22.85	23
				64QAM	1	49	1	0	21.83	22
				256QAM	1	49	1	0	18.81	19

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	22.61	23
				16QAM	1	99	1	0	21.73	22
				64QAM	1	99	1	0	20.69	21
				256QAM	1	99	1	0	17.60	18
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	22.64	23
				16QAM	1	99	1	0	21.70	22
				64QAM	1	99	1	0	20.73	21
				256QAM	1	99	1	0	17.59	18
21152	2540.2	21350	2560	QPSK	1	99	1	0	22.72	23
				16QAM	1	99	1	0	21.81	22
				64QAM	1	99	1	0	20.72	21
				256QAM	1	99	1	0	17.88	18

CA_12B ANT0										
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
23038	701.8	23110	709	QPSK	1	24	1	0	23.24	24
				16QAM	1	24	1	0	22.58	23
				64QAM	1	24	1	0	21.11	22
				256QAM	1	24	1	0	18.55	19
23048	702.8	23120	710	QPSK	1	24	1	0	23.21	24
				16QAM	1	24	1	0	22.57	23
				64QAM	1	24	1	0	21.04	22
				256QAM	1	24	1	0	18.60	19
23058	703.8	23130	711	QPSK	1	24	1	0	23.35	24
				16QAM	1	24	1	0	22.67	23
				64QAM	1	24	1	0	21.19	22
				256QAM	1	24	1	0	18.62	19

CA_38C Ant0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.31	24.5
				16QAM	1	99	1	0	23.33	23.5
				64QAM	1	99	1	0	22.40	22.5
				256QAM	1	99	1	0	19.38	19.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.23	24.5
				16QAM	1	99	1	0	23.29	23.5
				64QAM	1	99	1	0	22.29	22.5
				256QAM	1	99	1	0	19.39	19.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	24.18	24.5
				16QAM	1	99	1	0	23.22	23.5
				64QAM	1	99	1	0	22.20	22.5
				256QAM	1	99	1	0	19.31	19.5

CA_41C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
39750	2506	39948	2525.8	QPSK	1	99	1	0	22.63	24
				16QAM	1	99	1	0	21.53	23
				64QAM	1	99	1	0	20.71	22
				256QAM	1	99	1	0	17.61	19
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.01	24
				16QAM	1	99	1	0	21.97	23
				64QAM	1	99	1	0	21.07	22
				256QAM	1	99	1	0	17.93	19
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.11	24
				16QAM	1	99	1	0	22.03	23
				64QAM	1	99	1	0	21.19	22
				256QAM	1	99	1	0	18.04	19

CA_42C ANT7 Part27Q										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
42190	3460	42388	3479.8	QPSK	1	99	1	0	23.55	24.5
				16QAM	1	99	1	0	22.62	23.5
				64QAM	1	99	1	0	21.76	22.5
				256QAM	1	99	1	0	18.82	19.5
42491	3490.1	42689	3509.9	QPSK	1	99	1	0	23.48	24.5
				16QAM	1	99	1	0	22.54	23.5
				64QAM	1	99	1	0	21.54	22.5
				256QAM	1	99	1	0	18.77	19.5
42792	3520.2	42990	3540	QPSK	1	99	1	0	23.64	24.5
				16QAM	1	99	1	0	22.67	23.5
				64QAM	1	99	1	0	21.56	22.5
				256QAM	1	99	1	0	18.85	19.5

CA_42C ANT7 Part96										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
43190	3560	43388	3579.8	QPSK	1	99	1	0	23.53	24.5
				16QAM	1	99	1	0	22.60	23.5
				64QAM	1	99	1	0	21.66	22.5
				256QAM	1	99	1	0	18.71	19.5
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	23.38	24.5
				16QAM	1	99	1	0	22.48	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.73	19.5
43292	3570.2	43490	3590	QPSK	1	99	1	0	23.57	24.5
				16QAM	1	99	1	0	22.66	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.71	19.5

LTE Band 4 (A62)												
BW	Modulation	RB size	RB Offset	Low	Mid	High	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
		Channel	Frequency (MHz)	1920	1920	1920						
20M	Modulation	1	0	23.71	22.82	23.63	0	24				
		1	50	23.71	23.51	23.63	0	24				
		5	23.71	23.71	23.64	23.70	0	24				
		50	0	22.80	22.85	22.81	1	23				
		50	25	22.80	22.81	22.85	1	23				
100M	Modulation	50	0	22.75	22.76	22.77	0	23				
		100	0	22.60	22.62	22.61	1	23				
		1	50	22.61	22.86	22.83	1	23				
		50	25	21.69	21.55	21.54	2	22				
		50	25	21.69	21.58	21.58	2	22				
20M	Modulation	100	0	21.52	21.64	21.71	2	22				
		1	50	21.64	21.78	21.84	2	22				
		50	0	20.72	20.60	20.53	2	21				
		50	25	20.68	20.58	20.55	3	21				
		50	25	20.67	20.57	20.56	3	21				
400M	Modulation	100	0	20.41	20.47	20.71	3	21				
		1	0	18.63	18.81	18.71	5	19				
		50	25	18.75	18.65	18.54	5	19				
		1	80	18.67	18.84	18.80	5	19				
		50	0	18.86	18.84	18.82	5	19				
200M	Modulation	50	0	18.75	18.85	18.84	5	19				
		50	50	18.67	18.58	18.54	5	19				
		50	50	18.67	18.58	18.54	5	19				
		100	0	18.72	18.72	18.72	5	19				
		Channel	Frequency (MHz)	1920	1920	1920	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
20M	Modulation	1	0	23.63	23.63	23.63	0	24				
		1	50	23.63	23.48	23.61	0	24				
		1	74	23.63	23.63	23.63	0	24				
		38	0	22.65	22.60	22.65	1	23				
		38	38	22.65	22.64	22.63	1	23				
100M	Modulation	75	0	22.52	22.48	22.48	1	23				
		38	0	22.61	22.58	22.61	1	23				
		1	37	22.54	22.62	22.62	1	23				
		1	74	22.57	22.75	22.82	1	23				
		38	19	21.60	21.42	21.43	2	22				
400M	Modulation	38	5	21.65	21.47	21.47	2	22				
		38	19	21.60	21.42	21.45	2	22				
		75	0	21.48	21.50	21.53	2	22				
		1	0	21.60	21.53	21.59	2	22				
		37	37	21.59	21.60	21.63	2	22				
200M	Modulation	38	0	20.60	20.52	20.48	3	21				
		38	0	20.61	20.52	20.48	3	21				
		38	39	20.57	20.70	20.75	3	21				
		75	0	20.53	20.65	20.65	3	21				
		Channel	Frequency (MHz)	1920	1920	1920	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
20M	Modulation	1	0	18.62	18.62	18.62	0	19				
		1	57	18.56	18.81	18.82	0	19				
		1	74	18.75	18.71	18.72	0	19				
		38	0	18.75	18.75	18.75	0	19				
		38	38	18.67	18.50	18.60	5	19				
100M	Modulation	38	39	18.56	18.57	18.51	5	19				
		75	0	18.54	18.54	18.54	5	19				
		1	0	18.60	18.60	18.60	5	19				
		1	74	18.75	18.73	18.73	5	19				
		38	19	18.60	18.53	18.53	5	19				
200M	Modulation	75	0	18.50	18.53	18.51	5	19				
		75	0	18.50	18.53	18.51	5	19				
		75	0	18.50	18.53	18.51	5	19				
		75	0	18.50	18.53	18.51	5	19				
		75	0	18.50	18.53	18.51	5	19				
20M	Modulation	Channel	Frequency (MHz)	1920	1920	1920	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
		1	0	23.76	23.52	23.55	0	24				
		1	24	23.59	23.57	23.55	0	24				
		1	48	23.76	23.52	23.55	0	24				
		25	0	22.65	22.60	22.65	1	23				
100M	Modulation	25	12	22.56	22.54	22.48	1	23				
		25	12	22.56	22.57	22.48	1	23				
		25	25	22.61	22.57	22.48	1	23				
		50	0	22.63	22.63	22.63	1	23				
		50	0	22.63	22.63	22.63	1	23				
200M	Modulation	50	0	22.71	22.63	22.61	1	23				
		1	24	22.59	22.63	22.64	1	23				
		25	48	22.59	22.64	22.64	1	23				
		25	12	21.68	21.44	21.43	2	22				
		25	12	21.68	21.42	21.43	2	22				
400M	Modulation	63	6	21.50	21.52	21.53	2	22				
		1	0	21.67	21.52	21.68	2	22				
		24	24	21.56	21.49	21.56	2	22				
		1	49	21.70	21.46	21.57	2	22				
		25	0	20.63	20.48	20.53	3	21				
200M	Modulation	25	0	20.63	20.48	20.53	3	21				
		25	0	20.63	20.48	20.53	3	21				
		25	25	20.62	20.62	20.59	3	21				
		50	0	18.73	18.73	18.73	5	19				
		1	24	18.74	18.73	18.73	5	19				
100M	Modulation	25	0	18.73	18.73	18.73	5	19				
		25	0	18.73	18.73	18.73	5	19				
		25	12	18.60	18.53	18.53	5	19				
		50	0	18.60	18.53	18.53	5	19				
		50	0	18.60	18.53	18.53	5	19				
20M	Modulation	Channel	Frequency (MHz)	1920	1920	1920	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
		1	0	23.76	23.52	23.55	0	24				
		1	12	23.59	23.44	23.48	0	24				
		1	48	23.76	23.52	23.55	0	24				
		25	0	22.65	22.60	22.65	1	23				
100M	Modulation	25	12	22.56	22.54	22.48	1	23				
		25	12	22.56	22.57	22.48	1	23				
		25	25	22.61	22.57	22.48	1	23				
		50	0	22.63	22.63	22.63	1	23				
		50	0	22.63	22.63	22.63	1	23				
200M	Modulation	50	0	22.71	22.63	22.71	1	23				
		1	24	22.57	22.64	22.71	1	23				
		12	0	21.63	21.48	21.48	2	22				
		12	0	21.63	21.48	21.43	2	22				
		12	13	21.53	21.43	21.43	2	22				
400M	Modulation	25	0	21.48	21.49	21.53	2	22				
		12	0	21.48	21.48	21.48	2	22				
		1	12	21.44	21.25	21.38	2	22				
		1	24	21.62	21.54	21.68	2	22				
		12	0	20.56	20.48	20.53	3	21				
200M	Modulation	12	0	20.56	20.43	20.52	3	21				
		12	13	20.50	20.62	20.66	3	21				
		5	0	20.49	20.58	20.59	3	21				
		1	0	18.60	18.73	18.72	5	19				
		1	12	18.60	18.81	18.76	5	19				
100M	Modulation	24	24	18.70	18.71	18.76	5	19				
		12	0	18.70	18.52	18.56	5	19				
		12	0	18.70	18.52	18.56	5	19				
		12	0	18.70	18.52	18.56	5	19				
		12	13	18.63	18.54	18.44	5	19				
200M	Modulation	25	0	18.60	18.50	18.55	5	19				
		25	0	18.60	18.50	18.55	5	19				
		25	0	18.60	18.50	18.55	5	19				
		25	0	18.60	18.50	18.55	5	19				
		25	0	18.60	18.50	18.55	5	19				
20M	Modulation	Channel	Frequency (MHz)	1920	1920	1920	SPP MPS	Max. Time-up (ms)	Max. Time-down (ms)	SPP MPS	Max. Time-up (ms)	
		1	0	23.61	23.48	23.53	0	24				
		1	7	23.31	23.44	23.51	0	24				
		1	14	23.68	23.46	23.51	0	24				
		6	0	22.60	22.55	22.61	1	23				
100M	Modulation	6	3	22.94	22.48	22.46	1	23				
		6	7	22.61	22.61	22.61	1	23				
		15	0	22.48	22.54	22.53	1	23				
		1	0	22.74	22.48	22.65	1	23				
		1	7	22.61	22.62	22.62	1	23				
200M	Modulation	14	22.60	22.71	22.73	1	23					
		6	0	21.62	21.52	21.56	2	22				
		6	0	21.62	21.52	21.56	2	22				
		6	7	21.60	21.43	21.52	2	22				
		15	0	21.60	21.43	21.52	2	22				
400M	Modulation	6	0	21.60	21.60	21.60	2	22				
		1	7	21.37	21.26	21.36	2	22				
		14	0	21.60	21.54	21.59	2	22				
		6	0	20.57	20.51	20.57	3	21				
		6	3	20.50	20.51	20.56	3	21				
200M	Modulation	6	3	20.63	20.63	20.66	3	21				
		7	0	18.70	18.74	18.74	5	19				
		1	0	18.70	18.74	18.74	5	19				
		1	14	18.77	18.83	18.72	5	19				
		6	0	18.61								

IM	Modulation	LTE Band 5 (Austria)									
		PR Size	PR Offset	Line	Mid	High	3GPP	Max.	Max. Time-avg. (dBm)	Max. Power (dBm)	
		Channel	20MHz	20MHz	20MHz	20MHz	WTR (dB)	Power (dBm)			
OPSK		1	0	-23.31	23.42	23.58	0	24	0	24	
		1	24	23.38	23.58	23.68	0	24	0	24	
		1	49	23.43	23.61	23.81	0	24	0	24	
		25	0	-22.37	22.45	22.63	0	23	0	23	
		25	12	-22.52	22.61	22.68	0	23	0	23	
16QAM		25	0	-23.88	23.70	23.75	0	23	0	23	
		50	0	-22.44	22.52	22.65	0	23	0	23	
		50	1	-22.41	22.56	22.68	0	23	0	23	
		1	24	23.49	23.74	23.86	0	23	0	23	
		1	49	22.57	22.68	22.83	0	23	0	23	
64QAM		12	0	-21.35	21.68	21.78	0	22	0	22	
		25	12	-21.34	21.50	21.73	0	22	0	22	
		25	25	-21.39	21.61	21.83	0	22	0	22	
		12	12	-21.33	21.50	21.74	0	22	0	22	
		1	24	-21.39	21.53	21.86	0	22	0	22	
16QAM		1	24	-21.43	21.73	21.89	0	22	0	22	
		49	49	-21.53	21.68	21.82	0	21	0	21	
		25	1	-20.24	20.58	20.75	0	21	0	21	
		25	12	-20.36	20.73	20.82	0	21	0	21	
		25	49	-20.48	20.79	20.88	0	21	0	21	
256QAM		50	0	-18.33	18.50	18.72	0	19	0	19	
		1	0	-18.31	18.62	18.71	0	19	0	19	
		25	1	-18.49	18.69	18.78	0	19	0	19	
		1	49	-18.65	18.86	18.92	0	19	0	19	
		25	0	-18.22	18.58	18.73	0	19	0	19	
IM	Modulation	25	12	-18.39	18.77	18.88	0	19	0	19	
		25	25	-18.18	18.75	18.84	0	19	0	19	
		25	0	-18.22	18.58	18.81	0	19	0	19	
		25	0	-18.22	18.58	18.81	0	19	0	19	
		25	0	-18.22	18.58	18.81	0	19	0	19	
OPSK		Frequency (MHz)	696.5	696.5	646.5	646.5	WTR (dB)	Power (dBm)	Max. Time-avg. (dBm)	Max. Power (dBm)	
		1	0	-23.18	23.41	23.54	0	24	0	24	
		1	24	-23.18	23.41	23.54	0	24	0	24	
		1	24	-23.38	23.51	23.62	0	24	0	24	
		12	0	-22.22	22.35	22.44	0	23	0	23	
16QAM		12	0	-21.25	21.38	21.44	0	22	0	22	
		12	12	-21.34	21.58	21.65	0	22	0	22	
		12	13	-21.44	21.58	21.65	0	23	0	23	
		25	0	-22.31	22.33	22.49	0	23	0	23	
		25	0	-22.42	22.45	22.58	0	23	0	23	
64QAM		1	12	-22.42	22.72	22.77	0	23	0	23	
		1	24	-22.49	22.73	22.80	0	23	0	23	
		1	49	-22.53	22.78	22.86	0	23	0	23	
		12	0	-21.29	21.50	21.68	0	22	0	22	
		12	12	-21.25	21.46	21.72	0	22	0	22	
16QAM		8	7	-21.28	21.50	21.77	0	22	0	22	
		1	0	-21.24	21.44	21.77	0	22	0	22	
		1	24	-21.44	21.77	21.70	0	22	0	22	
		12	0	-20.11	20.48	20.67	0	21	0	21	
		12	0	-20.11	20.48	20.67	0	21	0	21	
256QAM		12	13	-20.33	20.55	20.79	0	21	0	21	
		25	0	-20.18	20.61	20.68	0	21	0	21	
		1	12	-18.47	18.70	18.82	0	19	0	19	
		1	12	-18.40	18.75	18.87	0	19	0	19	
		1	24	-18.57	18.82	18.71	0	19	0	19	
IM	Modulation	12	1	-18.41	18.69	18.78	0	19	0	19	
		12	6	-18.31	18.71	18.68	0	19	0	19	
		12	13	-18.28	18.68	18.74	0	19	0	19	
		12	0	-18.20	18.61	18.73	0	19	0	19	
		12	0	-18.20	18.61	18.73	0	19	0	19	
OPSK		Channel	20MHz	20MHz	20MHz	20MHz	3GPP	Max.	Max. Time-avg. (dBm)	Max. Power (dBm)	
		Frequency (MHz)	696.5	696.5	646.5	646.5	WTR (dB)	Power (dBm)			
		1	0	-23.18	23.41	23.54	0	24	0	24	
		1	2	-23.30	23.44	23.59	0	24	0	24	
		1	5	-23.42	23.53	23.68	0	24	0	24	
1	8	-23.56	23.58	23.67	0	24	0	24			
1	1	-23.27	23.29	23.55	0	24	0	24			
16QAM		1	2	-23.53	23.58	23.54	0	24	0	24	
		1	5	-23.62	23.58	23.58	0	24	0	24	
		1	8	-23.60	23.55	23.57	0	24	0	24	
		1	0	-22.47	22.50	22.62	0	23	0	23	
		1	2	-22.51	22.57	22.63	0	23	0	23	
64QAM		3	0	-22.92	23.36	22.86	0	23	0	23	
		1	2	-23.02	23.30	22.78	0	23	0	23	
		1	5	-23.09	23.27	22.74	0	23	0	23	
		6	0	-21.27	21.58	21.64	0	22	0	22	
		1	8	-21.05	21.41	21.14	0	22	0	22	
16QAM		1	2	-21.30	21.70	21.80	0	22	0	22	
		1	5	-21.52	21.71	21.75	0	22	0	22	
		1	8	-21.60	21.68	21.70	0	22	0	22	
		3	1	-21.23	21.67	21.74	0	22	0	22	
		3	1	-21.48	21.67	21.70	0	22	0	22	
64QAM		1	0	-20.29	20.57	20.60	0	21	0	21	
		1	0	-18.12	18.56	18.67	0	19	0	19	
		1	2	-18.48	18.71	18.71	0	19	0	19	
		1	5	-18.50	18.70	18.65	0	19	0	19	
		3	0	-18.15	18.43	18.69	0	19	0	19	
256QAM		1	1	-18.29	18.68	18.71	0	19	0	19	
		1	3	-18.30	18.63	18.61	0	19	0	19	
		6	0	-18.30	18.57	18.74	0	19	0	19	
		6	0	-18.30	18.57	18.74	0	19	0	19	
		6	0	-18.30	18.57	18.74	0	19	0	19	

LTE Band 7 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Power
		Channel	Frequency (MHz)	2000	2100	2150	MPK (dB)	Time-avg (dBm)		
20M	QPSK	1	0	21.10	20.81	20.91	0	21.5		
		1	50	20.80	20.75	20.83	0	21.5		
		1	100	20.70	20.64	20.73	0	21.5		
		50	0	19.94	19.91	19.93	1	20.5		
		50	50	19.71	19.69	19.80	1	20.5		
	16QAM	100	0	19.79	19.77	19.73	1	20.5		
		1	50	20.20	20.18	20.14	1	20.5		
		1	99	19.95	19.96	20.14	1	20.5		
		50	0	19.90	19.90	19.90	1	20.5		
		50	25	19.90	19.84	19.77	2	19.5		
20M	16QAM	100	0	19.87	19.81	19.90	2	19.5		
		50	50	19.79	19.79	19.80	2	19.5		
	64QAM	1	0	19.26	19.09	19.09	2	19.5		
		1	50	19.10	19.06	19.06	2	19.5		
		1	99	19.70	19.68	19.97	2	19.5		
		50	0	18.11	17.70	17.89	3	18.5		
		50	25	17.96	17.73	17.77	3	18.5		
20M	64QAM	50	50	17.73	17.65	17.89	3	18.5		
		100	0	17.67	17.55	17.82	3	18.5		
		1	50	16.03	15.92	16.00	5	16.5		
		1	99	15.77	15.97	15.91	5	16.5		
		50	0	15.12	15.07	15.03	5	16.5		
20M	256QAM	50	25	15.90	15.76	15.86	5	16.5		
		50	50	15.82	15.75	16.03	5	16.5		
		100	0	15.81	15.77	15.84	5	16.5		
20M	256QAM	50	50	15.81	15.77	15.84	5	16.5		
		100	0	15.81	15.77	15.84	5	16.5		
20M	256QAM	50	50	15.81	15.77	15.84	5	16.5		
		100	0	15.81	15.77	15.84	5	16.5		
20M	256QAM	50	50	15.81	15.77	15.84	5	16.5		
		100	0	15.81	15.77	15.84	5	16.5		
20M	256QAM	50	50	15.81	15.77	15.84	5	16.5		
		100	0	15.81	15.77	15.84	5	16.5		

LTE Band 12 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Power
		Channel	Frequency (MHz)	2000	2050	2100	MPK (dB)	Time-avg (dBm)		
20M	QPSK	1	0	20.05	20.07	20.16	0	20.4		
		1	24	20.05	20.07	20.02	0	20.4		
		1	49	20.05	20.04	20.00	0	20.4		
		25	0	21.91	21.94	22.01	1	21.5		
		25	12	21.90	21.92	21.97	1	21.5		
20M	16QAM	50	0	21.88	21.91	22.00	1	21.5		
		1	24	20.05	20.07	20.06	1	21.5		
		1	49	20.14	20.20	20.20	1	21.5		
		25	0	20.05	21.02	21.00	2	22.0		
		25	12	21.02	21.08	21.00	2	22.0		
20M	16QAM	25	25	21.01	21.05	21.15	2	22.0		
		50	0	21.03	21.02	21.00	2	22.0		
	64QAM	1	0	21.13	21.16	21.18	2	22.0		
		1	24	21.04	21.20	21.21	2	22.0		
		1	49	21.08	21.15	21.15	2	22.0		
20M	64QAM	25	0	19.95	20.00	19.98	3	21.0		
		25	12	20.00	20.00	20.00	3	21.0		
		25	25	20.01	20.10	20.16	3	21.0		
		50	0	20.04	19.99	20.06	3	21.0		
		50	12	19.98	19.99	19.11	5	19.0		
20M	256QAM	1	24	19.11	19.09	19.20	5	19.0		
		1	49	18.04	18.05	18.14	5	19.0		
		25	0	17.96	17.96	18.05	5	19.0		
		25	12	17.99	18.02	18.11	5	19.0		
		25	25	18.01	18.04	18.14	5	19.0		

LTE Band 13 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Power
		Channel	Frequency (MHz)	2000	2050	2100	MPK (dB)	Time-avg (dBm)		
20M	QPSK	1	0	21.11	21.43	21.39	0	21.4		
		1	24	21.33	21.47	21.41	0	21.4		
		1	49	21.43	21.49	21.39	1	21.5		
		25	0	22.37	22.40	22.43	1	21.5		
		25	12	22.37	22.42	22.30	1	21.5		
20M	16QAM	25	0	22.37	22.41	22.33	1	21.5		
		1	0	22.06	22.70	22.67	1	21.5		
		1	12	22.67	22.74	22.62	1	21.5		
		1	24	22.55	22.68	22.60	1	21.5		
		12	0	21.00	21.63	21.59	2	22.0		
20M	16QAM	12	6	21.46	21.62	21.46	2	22.0		
		12	13	21.48	21.57	21.48	2	22.0		
		26	0	21.51	21.58	21.45	2	22.0		
		1	0	21.63	21.69	21.56	2	22.0		
		1	24	21.53	21.65	21.36	2	22.0		
20M	64QAM	12	0	20.52	20.65	20.43	3	21.0		
		12	6	20.41	20.50	20.46	3	21.0		
		12	13	20.26	20.50	20.47	3	21.0		
		25	0	20.48	20.58	20.57	3	21.0		
		1	0	19.52	19.67	19.64	5	19.0		
20M	256QAM	1	12	19.43	19.59	19.46	5	19.0		
		1	24	19.51	19.60	19.53	5	19.0		
		12	0	18.58	18.67	18.61	5	19.0		
		12	6	18.56	18.66	18.64	5	19.0		
		12	13	18.57	18.67	18.49	5	19.0		

LTE Band 14 (AxiD)									
BW	Modulation	RB Size	RB Offset	Mid	SDFP	Max. Throughput (Mbps)	RB Size	RB Offset	Mid
		Channel	Channel	2352			2352		
Frequency (MHz)									
10M	QPSK	1	0	23.53	0	24	1	0	23.53
		1	24	23.46	0	24	1	24	23.46
		1	49	23.42	0	24	1	49	23.42
		25	0	22.45	1	23	25	0	22.45
		25	25	22.39	1	23	25	25	22.39
	16QAM	1	0	22.45	1	23	1	0	22.45
		1	24	22.67	1	23	1	24	22.67
		1	49	22.59	1	23	1	49	22.59
		25	0	21.62	2	22	25	0	21.62
		25	25	21.43	2	22	25	25	21.43
20M	QPSK	1	0	21.73	2	22	1	0	21.73
		1	24	21.70	2	22	1	24	21.70
		1	49	21.64	2	22	1	49	21.64
		25	0	20.52	3	21	25	0	20.52
		25	25	20.44	3	21	25	25	20.44
	16QAM	1	0	20.43	3	21	1	0	20.43
		1	24	20.46	3	21	1	24	20.46
		1	49	20.59	3	21	1	49	20.59
		25	0	19.53	5	19	25	0	19.53
		25	25	19.48	5	19	25	25	19.48
40M	QPSK	1	0	18.59	5	19	1	0	18.59
		1	24	18.59	5	19	1	24	18.59
		1	49	18.50	5	19	1	49	18.50
		25	0	16.53	5	19	25	0	16.53
		25	25	16.48	5	19	25	25	16.48
	16QAM	1	0	16.59	5	19	1	0	16.59
		1	24	16.59	5	19	1	24	16.59
		1	49	16.50	5	19	1	49	16.50
		25	0	15.53	5	19	25	0	15.53
		25	25	15.48	5	19	25	25	15.48

LTE Band 25 (AxiD)													
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	Max. Throughput (Mbps)					
		Channel	2352	2352	2352								
10M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	23.77	23.53	23.40	0	24					
		1	50	23.76	23.46	23.41	0	24					
		1	100	23.73	23.42	23.35	0	24					
		50	0	22.81	22.72	22.64	1	23					
	50	50	22.77	22.65	22.48	1	23						
	50	100	22.74	22.62	22.47	1	23						
	1	50	22.67	22.57	22.34	1	23						
	1	99	22.69	22.75	22.54	1	23						
	1	99	22.69	22.75	22.53	1	23						
20M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	21.87	21.65	21.65	2	22					
		1	50	21.84	21.66	21.66	2	22					
		1	99	21.87	21.85	21.82	2	22					
		50	0	20.86	20.76	20.68	3	21					
	50	50	20.83	20.74	20.51	3	21						
	50	100	20.85	20.69	20.52	3	21						
	1	0	18.79	18.67	18.64	5	19						
	1	50	18.83	18.81	18.81	5	19						
	1	99	18.87	18.76	18.74	5	19						
30M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	20.83	20.67	20.58	3	21					
		1	50	20.78	20.69	20.44	3	21					
		1	99	20.85	20.85	20.80	5	19					
		50	0	18.86	18.73	18.71	5	19					
	50	50	18.76	18.64	18.69	5	19						
	50	100	18.85	18.85	18.84	5	19						
	1	0	16.86	16.73	16.71	5	19						
	1	99	16.87	16.75	16.74	5	19						
	1	99	16.87	16.75	16.74	5	19						
40M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	20.83	20.67	20.58	3	21					
		1	50	20.78	20.69	20.44	3	21					
		1	99	20.85	20.85	20.80	5	19					
		50	0	18.86	18.73	18.71	5	19					
	50	50	18.76	18.64	18.69	5	19						
	50	100	18.85	18.85	18.84	5	19						
	1	0	16.86	16.73	16.71	5	19						
	1	99	16.87	16.75	16.74	5	19						
	1	99	16.87	16.75	16.74	5	19						
50M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	20.83	20.67	20.58	3	21					
		1	50	20.78	20.69	20.44	3	21					
		1	99	20.85	20.85	20.80	5	19					
		50	0	18.86	18.73	18.71	5	19					
	50	50	18.76	18.64	18.69	5	19						
	50	100	18.85	18.85	18.84	5	19						
	1	0	16.86	16.73	16.71	5	19						
	1	99	16.87	16.75	16.74	5	19						
	1	99	16.87	16.75	16.74	5	19						
60M	QPSK	Frequency (MHz)	1865	1865	1865	1865	0	24					
		1	0	20.83	20.67	20.58	3	21					
		1	50	20.78	20.69	20.44	3	21					
		1	99	20.85	20.85	20.80	5	19					
		50	0	18.86	18.73	18.71	5	19					
	50	50	18.76	18.64	18.69	5	19						
	50	100	18.85	18.85	18.84	5	19						
	1	0	16.86	16.73	16.71	5	19						
	1	99	16.87	16.75	16.74	5	19						
	1	99	16.87	16.75	16.74	5	19						

LTE Band 26 (AxiD)													
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	NPR	Max. Throughput (Mbps)				
		Channel	Channel	2352	2352	2352							
10M	QPSK	Frequency (MHz)	814	814	814	814	0	24	1	0	24		
		1	0	22.86	22.88	22.98	23.13	0	24	1	0	24	
		1	37	22.82	22.82	22.82	22.87	0	24	1	37	24	
		1	74	22.88	22.88	22.88	22.93	0	24	1	74	24	
		36	0	21.89	22.01	22.25	22.25	1	23	36	0	23	
	16QAM	36	36	21.97	22.13	22.42	22.42	1	23	36	36	23	
		75	0	22.01	22.15	22.39	22.39	1	23	75	0	23	
		75	37	22.07	22.27	22.52	22.52	1	23	75	37	23	
		75	74	22.12	22.25	22.58	22.58	1	23	75	74	23	
		36	36	21.03	21.25	21.48	21.48	2	22	36	36	22	
20M	QPSK	Frequency (MHz)	1614	1614	1614	1614	0	24	1	0	24		
		1	0	21.86	21.86	21.84	21.84	2	22	1	0	22	
		1	37	21.85	21.71	21.44	21.44	2	22	1	37	22	
		1	74	21.86	21.87	21.87	21.87	2	22	1	74	22	
		36	0	20.86	20.86	20.86	20.86	3	21	36	0	21	
	16QAM	36	36	20.90	21.14	21.38	21.38	3	21	36	36	21	
		75	0	20.86	20.86	20.82	20.82	3	21	75	0	21	
		75	37	20.87	20.91	21.07	21.07	3	21	75	37	21	
		75	74	20.87	20.87	20.87	20.87	3	21	75	74	21	
		36	36	19.86	19.86	19.86	19.86	5	19	36	36	19	
40M	QPSK	Frequency (MHz)	3214	3214	3214	3214	0	24	1	0	24		
		1	0	18.86	18.86	18.84	18.84	5	19	1	0	19	
		1	37	18.87	18.87	18.87	18.87	5	19	1	37	19	
		1	74	18.87	18.87	18.87	18.87	5	19	1	74	19	
		36	0	17.86	17.86	17.86	17.86	5	19	36	0	19	
	16QAM	36	36	17.90	18.14	18.38	18.38	5	19	36	36	19	
		75	0	17.86	17.86	17.82	17.82	5	19	75	0	19	
		75	37	17.87	17.91	18.07	18.07	5	19	75	37	19	
		75	74	17.87	17.87	17.87	17.87	5	19	75	74	19	
		36	36	16.86	16.86	16.86	16.86	5	19	36	36	16	
80M	QPSK	Frequency (MHz)	6414	6414	6414	6414	0	24	1	0	24		
		1	0	16.86	16.86	16.86	16.86	5	19	1	0	19	
		1	37	16.87	16.87	16.87	16.87	5	19	1	37	19	
		1	74	16.87	16.87	16.87	16.87	5	19	1	74	19	
		36	0	15.86	15.86	15.86	15.86	5	19	36	0	15	
	16QAM	36	36	15.90	16.14	16.38	16.38	5	19	36	36	15	
		75	0	15.86	15.86	15.82	15.82	5	19	75	0	15	
		75	37	15.87	15.91	16.07	16.07	5	19	75	37	15	
		75	74	15.87	15.87	15.87	15.87	5	19	75	74	15	
		36	36	14.86	14.86	14.86	14.86	5	19	36	36	14	

LTE Band 26 for FCC (Ant)									
BW	MCS Index	RB Size	RB Offset	Mid	SCPF MPR (dB)	Max. Time-adj. (dB)			
		Channel Frequency (MHz)	2710	2710					
GSM	QPSK	1	0	22.98	0.24	0	24		
		1	24	23.04	0	24			
		1	48	23.10	0	24			
		25	0	22.95	1	23			
		25	25	23.02	1	23			
		35	0	23.09	1	23			
		35	25	23.15	1	23			
		45	0	23.22	1	23			
		1	24	23.33	1	23			
		1	48	23.39	1	23			
10M	16QAM	12	0	21.06	2	22			
		25	25	21.11	2	22			
		35	0	21.09	2	22			
		1	0	21.21	2	22			
		1	24	21.27	2	22			
		1	48	21.36	2	22			
		25	0	20.95	0	21			
		25	25	21.02	0	21			
		35	0	20.98	0	21			
		35	25	21.07	0	21			
20M	64QAM	30	0	20.06	3	21			
		1	24	20.06	3	21			
		1	48	18.23	5	19			
		25	0	18.09	5	19			
		25	12	18.06	5	19			
		25	25	18.08	5	19			
		35	0	18.11	5	19			
BW	MCS Index	Channel Frequency (MHz)	26715	26715	26715	SCPF MPR (dB)	Max. Time-adj. (dB)		
		Frequency (MHz)	26715	26715	26715	SCPF MPR (dB)	Max. Time-adj. (dB)		
		1	12	22.98	22.98	0	24		
		1	24	23.02	23.06	0	24		
		1	48	23.14	23.18	0	24		
		12	6	22.61	21.86	1	23		
		12	12	22.60	21.91	1	23		
		25	0	21.98	21.91	1	23		
		1	0	22.11	22.28	2	24		
		1	12	22.29	22.32	2	24		
10M	16QAM	12	0	22.09	22.19	2	23		
		12	0	20.97	20.92	2	22		
		25	0	20.97	20.97	2	22		
		12	12	21.07	21.09	2	22		
		25	0	21.00	21.00	2	22		
		1	12	21.02	21.05	2	22		
		1	24	21.08	21.10	2	22		
		12	0	20.92	20.92	2	22		
		12	6	20.94	20.96	3	21		
		12	12	20.99	20.91	3	21		
20M	64QAM	25	0	19.91	20.04	3	21		
		1	0	18.09	18.04	5	19		
		1	12	18.16	18.16	5	19		
		1	24	18.20	18.15	5	19		
		12	0	17.99	18.00	5	19		
		12	6	17.96	18.00	5	19		
		12	12	17.95	18.00	5	19		
		25	0	18.08	18.08	5	19		
BW	MCS Index	Channel Frequency (MHz)	26715	26715	26715	SCPF MPR (dB)	Max. Time-adj. (dB)		
		Frequency (MHz)	26715	26715	26715	SCPF MPR (dB)	Max. Time-adj. (dB)		
		1	0	22.87	22.91	22.85	0	24	
		1	12	22.96	22.96	22.96	0	24	
		1	14	22.98	22.95	22.95	0	24	
		8	0	21.07	21.07	21.05	1	23	
		8	6	21.09	21.06	21.08	1	23	
		8	7	22.00	21.99	21.98	1	23	
		15	0	21.89	21.87	21.85	1	23	
		1	6	22.12	22.14	22.14	1	23	
10M	16QAM	1	7	22.27	22.20	22.20	1	23	
		1	14	22.11	22.09	22.12	1	23	
		8	6	20.95	21.04	21.08	2	22	
		8	3	21.04	20.91	20.95	2	22	
		8	7	21.02	21.04	21.04	2	22	
		15	0	21.09	21.04	21.08	2	22	
		1	0	21.12	21.11	21.11	2	22	
		1	14	21.07	21.02	21.02	2	22	
		1	14	21.14	21.05	21.12	2	22	
		8	0	19.99	19.95	19.95	3	21	
20M	64QAM	8	1	19.96	19.98	19.95	3	21	
		8	7	20.02	19.95	20.01	3	21	
		15	0	20.05	19.97	19.98	3	21	
		1	6	18.06	18.12	18.03	5	19	
		1	7	18.09	18.17	18.07	5	19	
		1	14	18.20	18.19	18.20	5	19	
		8	3	18.01	17.95	17.95	5	19	
		8	3	17.97	17.99	17.95	5	19	
		8	7	18.04	18.02	18.03	5	19	
		15	0	17.99	18.05	18.05	5	19	
BW	MCS Index	Channel Frequency (MHz)	26877	26877	26877	SCPF MPR (dB)	Max. Time-adj. (dB)		
		Frequency (MHz)	26877	26877	26877	SCPF MPR (dB)	Max. Time-adj. (dB)		
		1	0	22.75	22.85	22.77	0	24	
		1	2	22.86	22.96	22.91	0	24	
		1	5	23.02	22.90	22.99	0	24	
		3	0	22.92	22.90	22.71	0	24	
		3	1	22.71	22.90	22.81	0	24	
		3	3	22.95	22.78	22.84	0	24	
		6	0	21.92	21.92	21.94	1	23	
		1	0	22.04	22.11	22.03	1	23	
10M	16QAM	1	0	22.09	22.20	22.02	1	23	
		1	5	22.18	22.07	22.18	1	23	
		3	0	21.91	22.06	21.95	1	23	
		3	1	21.97	22.12	21.93	1	23	
		3	3	22.10	22.06	22.10	1	23	
		6	0	21.98	21.93	21.92	2	22	
		1	0	22.04	21.16	20.91	2	22	
		1	2	20.90	21.05	20.90	2	22	
		1	5	20.97	21.11	20.95	2	22	
		3	0	20.96	21.13	20.77	2	22	
20M	64QAM	3	1	20.83	21.01	20.84	2	22	
		3	3	20.96	20.97	20.75	2	22	
		6	0	20.03	19.99	19.97	3	21	
		1	0	18.03	18.12	18.05	5	19	
		1	2	18.16	18.17	18.15	5	19	
		1	5	18.01	18.14	18.04	5	19	
		3	0	17.92	18.00	17.93	5	19	
		3	1	17.92	17.98	17.91	5	19	
		3	3	17.93	17.97	17.88	5	19	
		6	0	17.95	18.10	17.95	5	19	

LTE Band 26 for ICAPCC(Ant)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF MPR (dB)	Max. Time-adj. (dB)	
		Channel Frequency (MHz)	2285	2285	2285	2285			
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45	2	22	
		36	0	20.06	20.11	20.20	0	21	
		36	0	20.19	20.20	20.39	0	21	
		36	36	20.14	20.23	20.48	0	21	
		75	0	20.12	20.21	20.37	0	21	
		1	0	18.11	18.19	18.21	5	19	
20M	64QAM	1	37	18.13	18.25	18.37	5	19	
		1	74	18.43	18.54	18.59	5	19	
		36	0	18.08	18.10	18.31	5	19	
		36	19	18.01	18.24	18.37	5	19	
		36	36	18.10	18.39	18.45	5	19	
		75	0	18.10	18.29	18.35	5	19	
BW	Modulation	Channel Frequency (MHz)	2285	2285	2285	2285	SCPF MPR (dB)	Max. Time-adj. (dB)	
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	
		1	37	23.02	23.13	23.27	0	24	
		1	74	23.15	23.26	23.41	0	24	
		36	0	22.91	22.11	22.25	1	23	
		36	36	22.13	22.20	22.45	1	23	
		75	0	22.15	22.33	22.39	1	23	
		1	0	23.17	22.29	22.39	1	23	
		1	37	22.27	22.35	22.55	1	23	
		1	74	22.29	22.38	22.58	1	23	
		36	19	21.14	21.16	21.38	2	22	
10M	16QAM	36	19	21.14	21.16	21.38	2	22	
		36	36	21.23	21.33	21.45	2	22	
		1	0	21.08	21.17	21.24	2	22	
		1	37	21.19	21.20	21.44	2	22	
		1	74	21.17	21.25	21.45			

LTE Band 38 (Anno)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Turn-off	Max
		Channel	Frequency (MHz)	2580	2585	2590	NRPS	Time (ms)		
20M	QPSK	1	0	23.95	23.98	23.93	0	24.5		
		1	50	23.92	23.75	23.76	0	24.5		
		1	99	23.92	23.90	23.68	0	24.5		
		50	0	23.90	22.97	22.91	1	23.5		
		50	50	22.94	22.77	22.82	1	23.5		
	16QAM	100	0	22.85	22.82	22.87	1	23.5		
		1	50	22.92	22.58	22.53	1	23.5		
		1	99	22.71	22.62	22.68	1	23.5		
		50	0	22.93	21.95	21.93	2	22.5		
		50	25	21.95	21.87	21.91	2	22.5		
20M	64QAM	1	0	21.86	21.81	21.85	2	22.5		
		1	50	21.94	20.96	20.92	3	21.5		
		1	99	20.97	20.95	20.95	3	21.5		
		50	0	20.97	20.79	20.78	3	21.5		
		100	0	20.85	20.88	20.88	3	21.5		
	256QAM	1	50	18.82	18.82	18.83	5	19.5		
		1	99	18.80	18.86	18.77	5	19.5		
		50	0	18.82	18.86	18.86	5	19.5		
		50	25	18.86	18.88	18.78	5	19.5		
		100	0	18.81	18.79	18.78	5	19.5		
20M	QPSK	1	0	18.81	18.80	18.815	0	24.5		
		1	50	18.78	18.61	18.66	0	24.5		
		1	99	18.78	18.76	18.76	0	24.5		
		50	0	18.76	17.78	17.82	1	23.5		
		50	50	17.78	17.71	17.71	1	23.5		
	16QAM	100	0	17.62	17.71	17.62	2	22.5		
		1	50	17.67	16.69	16.73	2	22.5		
		1	99	16.73	16.65	16.65	2	22.5		
		50	0	16.65	15.67	15.68	3	21.5		
		100	0	15.67	15.60	15.66	3	21.5		
20M	64QAM	1	0	15.67	15.60	15.66	3	21.5		
		1	50	15.67	14.69	14.73	3	21.5		
		1	99	14.69	14.61	14.61	3	21.5		
		50	0	14.61	13.63	13.63	3	21.5		
		100	0	13.63	12.65	12.65	3	21.5		
20M	256QAM	1	50	12.65	11.67	11.71	5	19.5		
		1	99	11.67	11.59	11.59	5	19.5		
		50	0	11.59	10.61	10.61	5	19.5		
		50	25	10.61	10.53	10.53	5	19.5		
		100	0	10.53	9.55	9.55	5	19.5		
20M	QPSK	1	0	9.55	9.54	9.545	0	24.5		
		1	50	9.52	9.35	9.36	0	24.5		
		1	99	9.52	9.50	9.50	0	24.5		
		50	0	9.50	8.52	8.52	1	23.5		
		50	50	8.52	8.45	8.45	1	23.5		
20M	16QAM	100	0	8.45	8.42	8.42	1	23.5		
		1	50	8.42	7.44	7.44	1	23.5		
		1	99	7.44	7.42	7.42	1	23.5		
		50	0	7.42	6.44	6.44	1	23.5		
		50	25	6.44	6.36	6.36	1	23.5		
20M	64QAM	1	0	6.36	6.33	6.33	1	23.5		
		1	50	6.33	5.35	5.35	1	23.5		
		1	99	5.35	5.33	5.33	1	23.5		
		50	0	5.33	4.35	4.35	1	23.5		
		100	0	4.35	3.37	3.37	1	23.5		
20M	256QAM	1	50	3.37	2.39	2.39	1	23.5		
		1	99	2.39	2.37	2.37	1	23.5		
		50	0	2.37	1.39	1.39	1	23.5		
		50	25	1.39	1.37	1.37	1	23.5		
		100	0	1.37	0.39	0.39	1	23.5		

LTE Band 41 (2486 ~ 2600MHz) PC3 (Anno)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Turn-off	Max
		Channel	Frequency (MHz)	2486	2491	2496	NRPS	Time (ms)		
20M	QPSK	1	0	22.24	22.43	22.48	22.21	22.86	0	24
		1	50	22.19	22.40	22.38	22.13	22.52	0	24
		1	99	22.13	22.34	22.29	22.19	22.49	0	24
		50	0	21.26	21.47	21.51	21.21	21.62	1	23
		50	50	21.26	21.47	21.51	21.30	21.80	1	23
	16QAM	100	0	21.26	21.42	21.38	21.26	21.66	1	23
		1	50	21.26	21.42	21.38	21.26	21.66	1	23
		1	99	21.17	21.30	21.30	21.10	21.51	1	23
		1	99	21.08	21.28	21.30	21.23	21.44	1	23
		50	0	20.26	20.43	20.43	20.20	20.61	1	23
64QAM	50	25	20.26	20.47	20.43	20.26	20.66	2	22	
	50	50	20.25	20.41	20.38	20.24	20.62	2	22	
	100	0	20.26	20.38	20.40	20.27	20.60	2	22	
	1	0	20.32	20.45	20.50	20.35	20.65	2	22	
	1	50	20.39	20.47	20.45	20.32	20.61	2	22	
20M	QPSK	1	99	20.39	20.49	20.38	20.27	20.66	2	22
		50	0	19.21	19.42	19.51	19.18	19.59	3	21
		50	25	19.21	19.42	19.42	19.25	19.64	3	21
		50	50	19.21	19.47	19.38	19.20	19.61	3	21
		100	0	19.26	19.38	19.39	19.26	19.55	3	21
	16QAM	1	0	17.18	17.43	17.42	17.17	17.63	0	24
		1	50	17.27	17.44	17.44	17.18	17.40	0	24
		1	99	17.23	17.38	17.27	17.28	17.58	0	24
		50	0	17.24	17.36	17.36	17.22	17.63	0	24
		50	25	17.31	17.42	17.48	17.30	17.52	0	24
256QAM	100	0	17.26	17.50	17.39	17.26	17.68	0	24	
	1	50	17.32	17.43	17.42	17.31	17.63	0	24	
	1	99	17.27	17.44	17.44	17.18	17.40	0	24	
	50	0	17.24	17.36	17.36	17.22	17.63	0	24	
	50	25	17.31	17.42	17.48	17.30	17.52	0	24	
20M	QPSK	1	0	22.15	22.36	22.34	22.09	22.42	0	24
		1	24	22.10	22.31	22.29	22.01	22.35	0	24
		1	74	22.06	22.27	22.24	21.98	22.34	0	24
		38	0	21.13	21.38	21.48	21.11	21.52	1	23
		38	19	21.16	21.37	21.48	21.08	21.49	1	23
	16QAM	38	50	21.26	21.38	21.29	21.29	21.49	1	23
		75	0	21.26	21.31	21.24	21.22	21.46	1	23
		75	31	20.37	20.48	20.38	20.27	20.45	1	23
		1	37	21.02	21.36	21.29	21.05	21.43	1	23
		1	74	21.02	21.26	21.16	21.17	21.37	1	23
64QAM	38	0	20.39	20.39	20.34	20.33	20.53	2	22	
	38	19	20.15	20.48	20.32	20.13	20.62	2	22	
	75	0	20.39	20.39	20.34	20.33	20.53	2	22	
	75	0	20.11	20.36	20.38	20.16	20.54	2	22	
	1	0	20.31	20.32	20.49	20.20	20.51	2	22	
20M	QPSK	1	31	20.37	20.43	20.37	20.34	20.52	2	22
		1	74	20.04	20.29	20.29	20.05	20.26	2	22
		38	0	19.15	19.38	19.37	19.11	19.58	2	22
		38	19	19.23	19.38	19.34	19.24	19.62	2	22
		38	50	19.16	19.38	19.29	19.19	19.57	3	21
	16QAM	75	0	19.16	19.38	19.29	19.19	19.57	3	21
		1	37	17.17	17.34	17.36	17.07	17.48	0	24
		1	74	17.06	17.34	17.34	17.05	17.43	0	24
		38	0	17.19	17.43	17.54	17.17	17.50	0	24
		38	19	17.24	17.43	17.41	17.21	17.55	0	24
256QAM	38	38	17.19	17.38	17.34	17.13	17.63	0	24	
	75	0	17.26	17.53	17.37	17.17	17.60	0	24	
	1	37	17.17	17.34	17.36	17.07	17.48	0	24	
	1	74	17.06	17.34	17.34	17.05	17.43	0	24	
	38	0	17.19	17.43	17.54	17.17	17.50	0	24	
20M	QPSK	1	0	22.15	22.41	22.31	22.07	22.83	0	24
		1	24	22.10	22.37	22.31	22.07	22.46	0	24
		1	49	22.08	22.28	22.22	21.98	22.41	0	24
		25	0	21.12	21.39	21.43	21.15	21.48	1	23
		25	12	21.21	21.46	21.38	21.33	21.57	1	23
	16QAM	25	25	21.16	21.44	21.44	21.14	21.56	1	23
		50	0	21.27	21.52	21.27	21.19	21.54	1	23
		50	25	21.27	21.52	21.27	21.19	21.54	1	23
		1	24	21.03	21.25	21.24	21.06	21.48	1	23
		1	49	21.05	21.18	21.27	21.14	21.34	1	23
64QAM	25	0	20.21	20.41	20.41	20.20	20.47	2	22	
	25	12	20.21	20.44	20.29	20.25	20.52	2	22	
	25	25	20.20	20.30	20.26	20.21	20.36	2	22	
	50	0	20.24	20.36	20.29	20.24	20.32	2	22	
	1	0	20.18	20.44	20.40	20.22	20.37	2	22	
20M	QPSK	1	24	20.05	20.35	20.39	20.06	20.46	2	22
		1	49	20.07	20.30	20.30	20.07	20.36	2	22
		25	0	19.11	19.38	19.44	19.13	19.49	3	21
		25	12	19.12	19.41	19.38	19.11	19.45	3	21
		25	25	19.14	19.38	19.21	19.09	19.51	3	21
	16QAM	50	0	19.23	19.28	19.29	19.16	19.51	3	21
		75	0	19.14	19.38	19.28	19.16	19.51	3	21
		1	24	17.15	17.36	17.38	17.12	17.48	0	24
		25	48	17.21	17.25	17.36	17.13	17.49	0	24
		25	12	17.21	17.21	17.43	17.19	17.49	0	24
256QAM	25	12	17.20	17.48	17.36	17.19	17.58	0	24	
	50	0	17.21	17.25	17.37	17.17	17.52	0	24	
	50	0	17.17	17.25	17.37	17.17	17.52	0	24	
	1	24	17.15	17.36	17.38	17.12	17.48	0	24	
	25	12	17.21	17.25	17.43	17.19	17.49	0	24	
20M	QPSK	1	0	22.15	22.36	22.34	22.09	22.82	0	24
		1	12	22.05	22.30	22.20	22.11	22.45	0	24
		1	24	22.06	22.27	22.22	21.98	22.35	0	24
		12	0	21.15	21.36	21.43	21.19	21.55	1	23
		12	6	21.27	21.47	21.33	21.25	21.63	1	23
	16QAM	12	12	21.12	21.32	21.32	21.05	21.45	1	23
		25	0	21.03	21.52	21.30	21.17	21.47	1	23
		1	0	21.29	21.29	21.32	21.08	21.47	1	23
		1	24	21.19	21.21	21.28	21.09	21.39	1	23
		1	24	21.19	21.21	21.28	21.09	21.39	1	23
64QAM	12	0	20.26	20.41	20.38	20.15	20.61	2	22	
	12	13	20.11	20.39	20.30	20.09	20.51	2	22	
	1	0	20.30	20.30	20.44	20.25	20.67	2	22	
	1	12	20.25	20.38	20.43	20.24	20.59	2	22	
	24	20.13	20.27	20.31	20.14	20.47	2	22		
20M	QPSK	12	0	19.18	19.37	19.50	19.03	19.45	3	21
		12	6	19.22	19.43	19.41	19.21	19.64	3	21
		12	13	19.18	19.31	19.35	19.15	19.55	3	21
		12	6	19.21	19.35	19.37	19.14	19.64	3	21
		12	13	19.18	19.31	19.35	19.15	19.55	3	21
	16QAM	1	12	17.15	17.30	17.38	17.13	17.47	0	24
		1	24	17.13	17.29	17.13	17.19	17.42	0	24
		12	13	17.11	17.40	17.28	17.14	17.68	0	24
		12	6	17.22	17.41	17.41	17.26	17.63	0	24
		12	13	17.11	17.48	17.36	17.28	17.65	0	24

LTE Band 42 Part270 (Ant7)												
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	SCPF	Max.	Turn-up	MPE	Max. Turn-up	
		Channel	4200	4200	4200	4200	MPE	MPE				
		Frequency (MHz)	3600	3600	3600	3600						
20M	QPSK	1	0	23.78	23.78	23.81	0	24.5				
		1	50	23.57	23.74	23.83	0	24.5				
		1	99	23.63	23.80	23.48	0	24.5				
		50	0	22.80	22.79	22.77	1	23.5				
		50	50	22.90	22.75	22.68	1	23.5				
	16QAM	100	0	22.74	22.73	22.68	1	23.5				
		1	50	22.85	22.79	22.54	1	23.5				
		1	99	22.94	22.75	22.35	1	23.5				
		50	0	21.64	21.70	21.76	2	22.5				
		50	50	21.62	21.67	21.67	2	22.5				
20M	16QAM	100	0	21.64	21.69	21.65	2	22.5				
		1	0	21.58	21.72	21.71	2	22.5				
		1	50	21.48	21.84	21.81	2	22.5				
		1	99	21.43	21.71	21.52	2	22.5				
		50	0	20.66	20.61	20.69	3	21.5				
	64QAM	100	0	20.59	20.74	20.73	3	21.5				
		50	0	20.63	20.63	20.69	3	21.5				
		100	0	20.62	20.69	20.71	3	21.5				
		1	50	19.84	19.88	19.89	5	19.5				
		1	99	19.81	19.84	19.88	5	19.5				
20M	16QAM	50	0	19.82	19.86	19.83	5	19.5				
		50	50	19.82	19.86	19.87	5	19.5				
		100	0	19.82	19.84	19.84	5	19.5				
		1	50	18.84	18.88	18.89	5	19.5				
		1	99	18.81	18.84	18.88	5	19.5				
	20M	16QAM	50	0	18.84	18.88	18.89	5	19.5			
			50	50	18.82	18.86	18.87	5	19.5			
			100	0	18.82	18.84	18.84	5	19.5			
			1	50	17.84	17.88	17.89	5	19.5			
			1	99	17.81	17.84	17.88	5	19.5			
20M	16QAM	50	0	17.84	17.88	17.89	5	19.5				
		50	50	17.82	17.86	17.87	5	19.5				
		100	0	17.82	17.84	17.84	5	19.5				
		1	50	16.84	16.88	16.89	5	19.5				
		1	99	16.81	16.84	16.88	5	19.5				
	20M	16QAM	50	0	16.84	16.88	16.89	5	19.5			
			50	50	16.82	16.86	16.87	5	19.5			
			100	0	16.82	16.84	16.84	5	19.5			
			1	50	15.84	15.88	15.89	5	19.5			
			1	99	15.81	15.84	15.88	5	19.5			
20M	16QAM	50	0	15.84	15.88	15.89	5	19.5				
		50	50	15.82	15.86	15.87	5	19.5				
		100	0	15.82	15.84	15.84	5	19.5				
		1	50	14.84	14.88	14.89	5	19.5				
		1	99	14.81	14.84	14.88	5	19.5				
	20M	16QAM	50	0	14.84	14.88	14.89	5	19.5			
			50	50	14.82	14.86	14.87	5	19.5			
			100	0	14.82	14.84	14.84	5	19.5			
			1	50	13.84	13.88	13.89	5	19.5			
			1	99	13.81	13.84	13.88	5	19.5			
20M	16QAM	50	0	13.84	13.88	13.89	5	19.5				
		50	50	13.82	13.86	13.87	5	19.5				
		100	0	13.82	13.84	13.84	5	19.5				
		1	50	12.84	12.88	12.89	5	19.5				
		1	99	12.81	12.84	12.88	5	19.5				
	20M	16QAM	50	0	12.84	12.88	12.89	5	19.5			
			50	50	12.82	12.86	12.87	5	19.5			
			100	0	12.82	12.84	12.84	5	19.5			
			1	50	11.84	11.88	11.89	5	19.5			
			1	99	11.81	11.84	11.88	5	19.5			
20M	16QAM	50	0	11.84	11.88	11.89	5	19.5				
		50	50	11.82	11.86	11.87	5	19.5				
		100	0	11.82	11.84	11.84	5	19.5				
		1	50	10.84	10.88	10.89	5	19.5				
		1	99	10.81	10.84	10.88	5	19.5				
	20M	16QAM	50	0	10.84	10.88	10.89	5	19.5			
			50	50	10.82	10.86	10.87	5	19.5			
			100	0	10.82	10.84	10.84	5	19.5			
			1	50	9.84	9.88	9.89	5	19.5			
			1	99	9.81	9.84	9.88	5	19.5			
20M	16QAM	50	0	9.84	9.88	9.89	5	19.5				
		50	50	9.82	9.86	9.87	5	19.5				
		100	0	9.82	9.84	9.84	5	19.5				
		1	50	8.84	8.88	8.89	5	19.5				
		1	99	8.81	8.84	8.88	5	19.5				
	20M	16QAM	50	0	8.84	8.88	8.89	5	19.5			
			50	50	8.82	8.86	8.87	5	19.5			
			100	0	8.82	8.84	8.84	5	19.5			
			1	50	7.84	7.88	7.89	5	19.5			
			1	99	7.81	7.84	7.88	5	19.5			
20M	16QAM	50	0	7.84	7.88	7.89	5	19.5				
		50	50	7.82	7.86	7.87	5	19.5				
		100	0	7.82	7.84	7.84	5	19.5				
		1	50	6.84	6.88	6.89	5	19.5				
		1	99	6.81	6.84	6.88	5	19.5				
	20M	16QAM	50	0	6.84	6.88	6.89	5	19.5			
			50	50	6.82	6.86	6.87	5	19.5			
			100	0	6.82	6.84	6.84	5	19.5			
			1	50	5.84	5.88	5.89	5	19.5			
			1	99	5.81	5.84	5.88	5	19.5			
20M	16QAM	50	0	5.84	5.88	5.89	5	19.5				
		50	50	5.82	5.86	5.87	5	19.5				
		100	0	5.82	5.84	5.84	5	19.5				
		1	50	4.84	4.88	4.89	5	19.5				
		1	99	4.81	4.84	4.88	5	19.5				
	20M	16QAM	50	0	4.84	4.88	4.89	5	19.5			
			50	50	4.82	4.86	4.87	5	19.5			
			100	0	4.82	4.84	4.84	5	19.5			
			1	50	3.84	3.88	3.89	5	19.5			
			1	99	3.81	3.84	3.88	5	19.5			
20M	16QAM	50	0	3.84	3.88	3.89	5	19.5				
		50	50	3.82	3.86	3.87	5	19.5				
		100	0	3.82	3.84	3.84	5	19.5				
		1	50	2.84	2.88	2.89	5	19.5				
		1	99	2.81	2.84	2.88	5	19.5				
	20M	16QAM	50	0	2.84	2.88	2.89	5	19.5			
			50	50	2.82	2.86	2.87	5	19.5			
			100	0	2.82	2.84	2.84	5	19.5			
			1	50	1.84	1.88	1.89	5	19.5			
			1	99	1.81	1.84	1.88	5	19.5			
20M	16QAM	50	0	1.84	1.88	1.89	5	19.5				
		50	50	1.82	1.86	1.87	5	19.5				
		100	0	1.82	1.84	1.84	5	19.5				
		1	50	0.84	0.88	0.89	5	19.5				
		1	99	0.81	0.84	0.88	5	19.5				
	20M	16QAM	50	0	0.84	0.88	0.89	5	19.5			
			50	50	0.82	0.86	0.87	5	19.5			
			100	0	0.82	0.84	0.84	5	19.5			
			1	50	-0.84	-0.88	-0.89	5	19.5			
			1	99	-0.81	-0.84	-0.88	5	19.5			

LTE Band 48 for SAR (Ant7)												
BW	MCS Index	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Channel	Frequency (MHz)	3200	3200	3600	3600	3600	3600	3600	3600	
20M	QPSK	1	0	22.85	22.85	22.88	23.19	0	23.5			0
		1	50	22.75	22.84	22.76	23.11	0	23.5			0
		1	99	22.76	22.88	22.72	23.17	0	23.5			0
		50	0	22.68	22.12	21.98	22.25	1	22.5			0
		50	50	22.95	22.16	22.21	22.21	1	22.5			0
	16QAM	100	0	21.85	22.11	21.88	22.19	1	22.5			0
		1	50	21.85	22.07	21.64	22.20	1	22.5			0
		1	99	21.87	21.96	21.84	22.19	1	22.5			0
		50	0	20.92	21.02	20.98	21.23	2	21.5			0
		50	50	21.09	20.93	20.92	21.27	2	21.5			0
40M	QPSK	1	0	20.92	21.09	20.79	21.44	2	21.5			0
		1	50	20.93	21.07	20.87	21.37	2	21.5			0
		1	99	20.92	21.09	20.98	21.43	2	21.5			0
		50	0	20.00	20.50	20.88	20.50	3	20.5			0
		50	50	20.91	20.92	20.91	20.91	3	20.5			0
	16QAM	100	0	19.92	20.09	19.95	20.49	3	20.5			0
		1	50	19.92	19.92	19.97	19.99	3	20.5			0
		1	99	19.92	19.92	19.97	19.99	3	20.5			0
		50	0	18.00	18.00	17.86	17.80	5	18.5			0
		50	50	18.00	18.10	18.12	17.82	5	18.5			0
80M	QPSK	1	0	17.92	18.01	17.97	17.97	5	18.5			0
		1	50	18.02	18.01	17.99	17.84	5	18.5			0
		1	99	18.08	18.05	17.98	17.76	5	18.5			0
		50	0	16.00	16.00	15.86	15.80	5	18.5			0
		50	50	16.00	16.10	16.12	15.82	5	18.5			0
	16QAM	100	0	15.92	16.09	15.95	16.49	5	18.5			0
		1	50	15.92	16.01	15.97	15.97	5	18.5			0
		1	99	15.92	16.01	15.97	15.97	5	18.5			0
		50	0	14.00	14.00	13.86	13.80	5	18.5			0
		50	50	14.00	14.10	14.12	13.82	5	18.5			0

LTE Band 48 (Ant7)												
BW	MCS Index	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Channel	Frequency (MHz)	3200	3200	3600	3600	3600	3600	3600	3600	
20M	QPSK	1	0	22.85	22.85	22.88	23.19	0	23.5			0
		1	50	22.75	22.84	22.76	23.11	0	23.5			0
		1	99	22.76	22.88	22.72	23.17	0	23.5			0
		50	0	22.68	22.08	22.25	21	22.5				0
		50	50	22.95	22.09	22.21	21	22.5				0
	16QAM	100	0	21.85	22.09	22.19	21	22.5				0
		1	50	21.85	22.04	22.20	21	22.5				0
		1	99	21.87	21.88	22.19	21	22.5				0
		50	0	20.92	20.92	21.23	2	21.5				0
		50	50	21.09	20.87	21.27	2	21.5				0
40M	QPSK	1	0	20.92	20.91	21.44	2	21.5				0
		1	50	20.93	20.94	21.37	2	21.5				0
		1	99	20.92	20.91	21.43	2	21.5				0
		50	0	20.00	20.00	20.50	3	20.5				0
		50	50	20.91	20.91	20.91	3	20.5				0
	16QAM	100	0	19.92	20.07	20.49	3	20.5				0
		1	50	19.92	19.92	19.99	3	20.5				0
		1	99	19.92	19.92	19.99	3	20.5				0
		50	0	18.00	18.00	17.86	5	18.5				0
		50	50	18.00	18.05	17.82	5	18.5				0
80M	QPSK	1	0	17.92	17.92	17.97	17.97	5	18.5			0
		1	50	18.02	18.01	17.99	17.84	5	18.5			0
		1	99	18.08	18.01	17.98	17.76	5	18.5			0
		50	0	16.00	16.00	15.86	15.80	5	18.5			0
		50	50	16.00	16.10	16.12	15.82	5	18.5			0
	16QAM	100	0	15.92	16.09	15.95	16.49	5	18.5			0
		1	50	15.92	16.01	15.97	15.97	5	18.5			0
		1	99	15.92	16.01	15.97	15.97	5	18.5			0
		50	0	14.00	14.00	13.86	13.80	5	18.5			0
		50	50	14.00	14.10	14.12	13.82	5	18.5			0

LTE Band 66 (Ant2)												
BW	Modulation	Channel										Max. Throughput (Mbps)
		RB Size	RB Offset	Low	Mid	High	Low	Mid	High	Low	Mid	
		Channel	Frequency (MHz)	1200	1200	1200	1200	1200	1200	1200	1200	
20M	QPSK	1	0	23.72	23.77	23.66	0	24				0
		1	50	23.71	23.67	23.48	0	24				0
		1	99	23.71	23.62	23.44	0	24				0
		50	0	22.80	22.68	22.51	1	23				0
		50	50	22.71	22.70	22.56	1	23				0
	16QAM	100	0	22.74	22.50	22.45	1	23				0
		1	50	22.74	22.50	22.45	1	23				0
		1	99	22.74	22.50	22.45	1	23				0
		50	0	21.80	21.63	21.61	2	22				0
		50	50	21.82	21.68	21.68	2	22				0
40M	QPSK	1	0	21.82	21.85	21.94	2	22				0
		1	50	21.80	21.73	21.84	2	22				0
		1	99	21.73	21.62	21.73	2	22				0
		50	0	20.90	20.81	20.83	3	21				0
		50	50	20.73	20.67	20.71	3	21				0
	16QAM	100	0	20.73	20.69	20.72	3	21				0
		1	50	20.73	20.69	20.72	3	21				0
		1	99	20.73	20.69	20.72	3	21				0
		50	0	19.80	19.73	19.74	5	19				0
		50	50	19.80	19.85	19.87	5	19				0
80M	QPSK	1	0	19.80	19.85	19.74	5	19				0
		1	50	19.85	19.81	19.76	5	19				0
		1	99	19.85	19.81	19.76	5	19				0
		50	0	18.90	18.88	18.71	5	19				0
		50	50	18.90	18.95	18.97	5	19				0
	16QAM	100	0	18.90	18.95	18.97	5	19				0
		1	50	18.90	18.95	18.97	5	19				0
		1	99	18.90	18.95	18.97	5	19				0
		50	0	18.00	18.00	17.86	5	18.5				0
		50	50	18.00	18.10	18.12	5	18.5				0

LTE Band 71 (Ari0)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SPP MPE (dB)	Max. Time-up (dBm)	
		Channel		13322	13332	13332			
20M	QPSK	Frequency (MHz)	475	480	480				
		1	0	23.86	23.77	23.14	0	24	
		1	50	23.71	23.05	23.02	0	24	
		1	80	23.04	22.94	22.89	0	24	
		50	0	22.50	22.40	22.16	1	23	
		50	25	22.38	22.15	22.05	1	23	
		50	50	22.18	22.05	22.06	1	23	
		100	0	22.24	22.10	22.07	1	23	
		1	0	22.80	22.40	22.36	1	23	
		1	50	22.40	22.24	22.22	1	23	
10M	16QAM	50	0	21.41	21.10	21.18	2	22	
		50	25	21.33	21.10	21.08	2	22	
		50	50	21.22	21.07	21.04	2	22	
		100	0	21.28	21.10	21.10	2	22	
		1	0	21.38	21.20	21.20	2	22	
		1	50	21.30	21.20	21.20	2	22	
		1	80	21.14	21.02	20.97	2	22	
		50	0	20.42	20.10	20.15	3	21	
		50	25	20.25	20.10	20.07	3	21	
		50	50	20.14	20.05	20.08	3	21	
20M	256QAM	100	0	20.33	20.17	20.06	3	21	
		1	0	18.89	18.35	18.26	5	19	
		1	50	18.30	18.18	18.19	5	19	
		1	80	18.25	18.14	18.16	5	19	
		50	0	18.47	18.22	18.17	5	19	
		50	25	18.35	18.21	18.11	5	19	
		50	50	18.25	18.13	18.14	5	19	
		100	0	18.44	18.23	18.15	5	19	
		1	0	18.57	18.22	18.16	5	19	
		1	50	18.38	18.16	18.15	5	19	
10M	QPSK	Channel		133181	133287	133287	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	476.5	480.5	480.5				
		1	0	23.19	23.14	23.16			
		1	37	23.09	22.92	22.92	0	24	
		1	74	23.02	22.84	22.75	0	24	
		50	0	22.40	22.41	22.05	1	23	
		50	19	22.12	22.11	22.01	1	23	
		50	39	22.04	21.96	22.02	1	23	
		75	0	22.19	22.14	22.02	1	23	
		1	0	22.48	22.25	22.31	1	23	
	16QAM	1	37	22.97	22.08	22.15	1	23	
		1	74	22.23	22.05	21.93	1	23	
		50	0	21.40	21.08	21.17	2	22	
		50	19	21.38	20.96	21.06	2	22	
		50	39	21.15	21.05	21.03	2	22	
		75	0	21.26	21.13	21.04	2	22	
		1	0	21.48	21.14	21.00	2	22	
		1	37	21.26	21.15	21.16	2	22	
		1	74	21.09	20.95	20.96	2	22	
		50	0	20.36	20.14	20.04	3	21	
	256QAM	50	19	20.23	19.95	19.96	3	21	
		50	39	20.10	19.94	20.04	3	21	
		75	0	20.25	20.04	19.94	3	21	
		1	0	18.58	18.35	18.24	5	19	
		1	37	18.29	18.06	18.04	5	19	
		1	74	18.12	18.05	18.02	5	19	
		50	0	18.36	18.16	18.15	5	19	
		50	19	18.25	18.17	18.06	5	19	
		50	39	18.24	18.07	18.09	5	19	
		75	0	18.38	18.16	18.15	5	19	
10M	QPSK	Channel		133175	133287	133287	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	476	480.5	480				
		1	0	23.87	23.17	23.05	0	24	
		1	24	23.18	23.07	22.97	0	24	
		1	49	23.02	22.85	22.84	0	24	
		25	0	22.42	22.36	22.05	1	23	
		25	12	22.12	22.06	21.97	1	23	
		25	25	22.08	22.04	22.02	1	23	
		50	0	22.16	22.10	21.94	1	23	
		1	0	22.44	22.17	22.07	1	23	
	16QAM	1	24	22.34	22.14	22.08	1	23	
		1	49	22.12	22.01	21.99	1	23	
		25	0	21.30	21.10	21.14	2	22	
		25	12	21.19	20.95	20.97	2	22	
		25	25	21.08	20.90	20.95	2	22	
		50	0	21.13	21.05	20.95	2	22	
		1	0	21.49	21.24	21.11	2	22	
		1	24	21.38	21.15	21.14	2	22	
		49	0	21.11	20.95	20.82	2	22	
		25	0	20.39	20.16	20.04	3	21	
	256QAM	25	12	20.16	20.06	20.05	3	21	
		25	25	20.00	19.95	20.04	3	21	
		50	0	20.27	20.04	19.94	3	21	
		1	0	18.61	18.27	18.25	5	19	
		1	24	18.25	18.12	18.14	5	19	
		1	49	18.16	18.11	18.08	5	19	
		25	0	18.41	18.11	18.13	5	19	
		25	12	18.24	18.15	17.97	5	19	
		25	25	18.15	18.03	18.01	5	19	
		50	0	18.30	18.05	18.02	5	19	
10M	QPSK	Channel		133147	133297	133297	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	480.5	480.5	480.5				
		1	0	23.46	23.25	23.11	0	24	
		1	12	23.16	23.03	22.97	0	24	
		1	24	22.92	22.86	22.87	0	24	
		12	0	22.47	22.36	22.05	1	23	
		12	6	22.17	22.11	21.97	1	23	
		12	12	22.03	22.05	22.02	1	23	
		25	0	22.14	22.07	21.88	1	23	
		1	0	22.59	22.25	22.30	1	23	
	16QAM	1	12	22.36	22.16	22.30	1	23	
		1	24	22.21	21.95	21.94	1	23	
		12	0	21.34	21.08	21.13	2	22	
		12	6	21.24	21.08	21.03	2	22	
		12	12	21.16	21.02	21.03	2	22	
		25	0	21.15	21.12	21.09	2	22	
		1	0	21.51	21.16	21.06	2	22	
		1	12	21.36	21.17	21.19	2	22	
		1	24	21.03	20.92	20.88	2	22	
		12	0	20.33	20.17	20.14	3	21	
	256QAM	12	6	20.22	20.07	19.98	3	21	
		12	12	20.00	19.97	19.98	3	21	
		25	0	20.25	20.10	19.97	3	21	
		1	0	18.55	18.22	18.16	5	19	
		1	12	18.29	18.11	18.13	5	19	
		1	24	18.16	18.05	18.15	5	19	
		12	0	18.38	18.19	18.07	5	19	
		12	6	18.26	18.05	18.01	5	19	
		12	12	18.11	18.04	18.03	5	19	
		25	0	18.33	18.08	18.03	5	19	

Sim-TX Receiver off_DSI2

n2 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	24.07	23.88	23.71	24.5
		1	53	23.68	23.44	23.47	24.5
		1	104	23.78	23.46	23.42	24.5
		50	0	23.34	23.18	23.01	24
		50	28	23.82	23.66	23.57	24.5
		50	56	23.07	22.95	22.74	24
		100	0	23.09	23.01	22.71	24
	DFT-s-OFDM QPSK	1	1	24.29	23.91	23.72	24.5
		1	53	24.12	23.76	23.68	24.5
		1	104	23.81	23.69	23.62	24.5
		50	0	23.01	22.83	22.63	23.5
		50	28	24.05	23.79	23.61	24.5
		50	56	23.02	22.69	22.60	23.5
		100	0	23.03	22.71	22.62	23.5
	DFT-s-OFDM 16QAM	1	1	23.17	22.99	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	21.89	21.69	21.53	22
	DFT-s-OFDM 256QAM	1	1	19.68	19.30	19.38	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	24.27	23.89	23.51	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	24.28	23.87	23.54	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.26	23.88	23.55	24.5

n5 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.66	23.61	23.53	24.5
		1	53	23.46	23.57	23.62	24.5
		1	104	23.53	23.59	23.52	24.5
		50	0	23.16	23.11	23.19	24
		50	28	23.63	23.64	23.60	24.5
		50	56	23.06	23.15	23.22	24
		100	0	23.13	23.16	23.16	24
	DFT-s-OFDM QPSK	1	1	23.65	23.67	23.73	24.5
		1	53	23.48	23.60	23.63	24.5
		1	104	23.61	23.58	23.52	24.5
		50	0	22.55	22.57	22.64	23.5
		50	28	23.54	23.59	23.60	24.5
		50	56	22.54	22.59	22.61	23.5
		100	0	22.61	22.65	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.95	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	20.82	20.89	20.65	22
	DFT-s-OFDM 256QAM	1	1	18.76	18.77	18.63	20
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.68	23.70	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.54	23.55	23.69	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.62	23.48	23.64	24.5

n7 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	20.92	20.77	20.83	21.5
		1	53	20.83	20.80	20.69	21.5
		1	104	20.90	20.71	20.71	21.5
		50	0	20.39	20.25	20.20	21
		50	28	20.88	20.79	20.71	21.5
		50	56	20.31	20.15	20.18	21
		100	0	20.33	20.28	20.13	21
	DFT-s-OFDM QPSK	1	1	21.00	20.83	20.73	21.5
		1	53	20.92	20.85	20.71	21.5
		1	104	20.89	20.80	20.69	21.5
		50	0	19.92	19.78	19.64	20.5
		50	28	20.97	20.64	20.62	21.5
		50	56	19.89	19.78	19.65	20.5
		100	0	19.88	19.71	19.66	20.5
	DFT-s-OFDM 16QAM	1	1	20.16	20.06	20.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.17	17.96	17.90	19
	DFT-s-OFDM 256QAM	1	1	15.85	15.73	15.71	17
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	20.88	20.75	20.80	21.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.85	20.76	21.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	20.80	20.73	20.71	21.5

n12 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	22.11	22.08	22.08	24
		1	39	22.07	22.06	22.01	24
		1	77	22.03	22.08	22.04	24
		36	0	21.51	21.53	21.60	23.5
		36	19	22.03	22.07	22.06	24
		36	43	21.52	21.62	21.51	23.5
		75	0	21.60	21.57	21.55	23.5
	DFT-s-OFDM QPSK	1	1	22.13	22.14	22.09	24
		1	39	22.08	22.06	22.02	24
		1	77	22.11	22.07	22.05	24
		36	0	21.02	21.02	21.06	23
		36	19	22.00	22.05	22.04	24
		36	39	21.08	21.11	21.09	23
		75	0	21.06	21.19	21.07	23
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.32	23
	DFT-s-OFDM 64QAM	1	1	19.57	19.63	19.52	21.5
	DFT-s-OFDM 256QAM	1	1	17.57	17.60	17.51	19.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequency (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	22.08	22.11	22.03	24
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequency (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	22.05	22.08	22.04	24

n13 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			156400		
		Frequency (MHz)			782		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.99		24
		1	26		23.02		24
		1	50		23.05		24
		25	0		22.53		23.5
		25	13		22.98		24
		25	27		22.49		23.5
		50	0		22.58		23.5
	DFT-s-OFDM QPSK	1	1		23.08		24
		1	26		23.03		24
		1	50		23.01		24
		25	0		21.93		23
		25	13		23.02		24
		25	27		22.01		23
		50	0		22.10		23
	DFT-s-OFDM 16QAM	1	1		22.16		23
	DFT-s-OFDM 64QAM	1	1		20.02		21.5
	DFT-s-OFDM 256QAM	1	1		18.12		19.5
BW	MCS Index	Channel		155900	156400	156900	Max. Tune-up
		Frequency (MHz)		779.5	782	784.5	
5M	DFT-s-OFDM QPSK	1	1	22.99	23.04	22.97	24

n14 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			158600		
		Frequency (MHz)			793		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.08		24
		1	26		23.01		24
		1	50		22.89		24
		25	0		22.48		23.5
		25	13		23.04		24
		25	27		22.53		23.5
		50	0		22.47		23.5
	DFT-s-OFDM QPSK	1	1		23.10		24
		1	26		23.02		24
		1	50		22.90		24
		25	0		21.99		23
		25	13		23.06		24
		25	27		22.03		23
		50	0		21.98		23
	DFT-s-OFDM 16QAM	1	1		22.36		23
	DFT-s-OFDM 64QAM	1	1		20.21		21.5
	DFT-s-OFDM 256QAM	1	1		17.87		19.5
BW	MCS Index	Channel		158100	158600	159100	Max. Tune-up
		Frequency (MHz)		790.5	793	795.5	
5M	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.02	24

n25 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.74	23.37	23.02	24.5
		1	53	23.76	23.20	22.91	24.5
		1	104	23.56	23.04	22.83	24.5
		50	0	23.17	22.70	22.47	24
		50	28	23.69	23.10	22.81	24.5
		50	56	23.07	22.48	22.28	24
		100	0	23.11	22.60	22.44	24
	DFT-s-OFDM QPSK	1	1	23.80	23.53	23.39	24.5
		1	53	23.74	23.22	22.87	24.5
		1	104	23.51	23.09	22.82	24.5
		50	0	22.74	22.27	22.15	23.5
		50	28	23.69	23.33	23.09	24.5
		50	56	22.63	22.00	21.98	23.5
		100	0	22.62	22.36	22.03	23.5
	DFT-s-OFDM 16QAM	1	1	22.87	22.58	22.92	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.28	21.64	22
	DFT-s-OFDM 256QAM	1	1	19.24	18.89	19.22	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.45	23.37	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.29	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.21	24.5

n30 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			462000		
		Frequency (MHz)			2310		
10M	DFT-s-OFDM P/2 BPSK	1	1		21.26		21.5
		1	26		21.31		21.5
		1	50		21.09		21.5
		25	0		20.64		21
		25	13		21.20		21.5
		25	27		20.62		21
		50	0		20.65		21
	DFT-s-OFDM QPSK	1	1		21.38		21.5
		1	26		21.31		21.5
		1	50		21.17		21.5
		25	0		20.21		20.5
		25	13		21.23		21.5
		25	27		20.23		20.5
		50	0		20.22		20.5
	DFT-s-OFDM 16QAM	1	1		20.35		20.5
	DFT-s-OFDM 64QAM	1	1		18.51		19
	DFT-s-OFDM 256QAM	1	1		16.33		17

n38 (SCS 30 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/V2 BPSK	1	1	20.22	20.17	20.13	20.5
		1	53	20.01	19.90	19.98	20.5
		1	104	20.00	19.84	19.97	20.5
		50	0	19.72	19.53	19.54	20
		50	28	20.06	19.98	20.04	20.5
		50	56	19.58	19.37	19.43	20
		100	0	19.60	19.51	19.58	20
		1	1	20.27	20.21	20.17	20.5
	DFT-s-OFDM QPSK	1	53	20.03	19.98	19.90	20.5
		1	104	19.91	19.91	19.85	20.5
		50	0	19.23	19.02	19.05	19.5
		50	28	20.06	19.95	20.02	20.5
		50	56	19.07	18.84	18.89	19.5
		100	0	19.08	18.99	19.04	19.5
	DFT-s-OFDM 16QAM	1	1	19.28	19.32	19.24	19.5
	DFT-s-OFDM 64QAM	1	1	17.44	17.42	17.47	18
	DFT-s-OFDM 256QAM	1	1	15.18	15.24	15.20	16
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	20.19	20.15	20.11	20.5
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	20.18	20.17	20.15	20.5

PC3_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/V2 BPSK	1	1	22.49	22.38	22.45	24
		1	137	22.56	22.35	22.72	24
		1	271	22.43	22.62	22.81	24
		135	0	22.61	22.34	22.42	23.5
		135	69	22.58	22.29	22.72	24
		135	138	22.52	22.37	22.42	23.5
		270	0	22.65	22.39	22.68	23.5
		1	1	22.67	22.76	23.08	24
	DFT-s-OFDM QPSK	1	137	22.52	22.35	22.42	24
		1	271	22.49	22.53	22.78	24
		135	0	22.61	22.33	22.43	23
		135	69	22.64	22.41	22.79	24
		135	138	22.53	22.35	22.45	23
		270	0	22.61	22.42	22.67	23
	DFT-s-OFDM 16QAM	1	1	22.63	22.71	22.36	23
	DFT-s-OFDM 64QAM	1	1	21.95	21.83	21.75	22.5
	DFT-s-OFDM 256QAM	1	1	19.72	19.59	19.62	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.66	22.62	22.87	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.61	22.73	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.73	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.63	22.69	22.79	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.65	22.70	22.82	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.73	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	22.62	22.67	22.78	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.62	22.70	22.80	24

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		63800	64166	64532	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/V2 BPSK	1	1	22.77	22.74	22.94	23.5
		1	53	22.84	22.54	22.98	23.5
		1	104	22.75	22.76	23.03	23.5
		50	0	22.06	22.07	22.06	23
		50	28	22.72	22.61	23.01	23.5
		50	56	22.06	22.09	22.01	23
		100	0	22.04	22.02	22.04	23
	DFT-s-OFDM QPSK	1	1	22.92	22.83	23.06	23.5
		1	53	22.80	22.57	23.04	23.5
		1	104	22.70	22.59	23.03	23.5
		50	0	22.06	22.07	22.03	22.5
		50	28	22.72	22.77	22.99	23.5
		50	56	22.00	22.02	22.05	22.5
		100	0	22.02	22.05	22.05	22.5
	DFT-s-OFDM 16QAM	1	53	22.46	22.39	22.00	22.5
	DFT-s-OFDM 64QAM	1	53	20.97	20.84	20.95	21
	DFT-s-OFDM 256QAM	1	53	18.88	18.88	18.99	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.87	22.72	22.98	23.5

n66 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P/V2 BPSK	1	1	23.71	23.71	23.42	24.5
		1	80	23.63	23.61	23.17	24.5
		1	158	23.47	23.34	23.07	24.5
		80	0	22.68	23.22	22.93	24
		80	40	23.57	23.64	23.55	24.5
		80	80	22.53	22.98	22.67	24
		160	0	22.69	23.14	22.89	24
	DFT-s-OFDM QPSK	1	1	23.75	23.78	23.57	24.5
		1	80	23.67	23.66	23.36	24.5
		1	158	23.59	23.25	23.03	24.5
		80	0	22.66	22.67	22.47	23.5
		80	40	23.60	23.61	23.29	24.5
		80	80	22.58	22.59	22.34	23.5
		160	0	22.71	22.62	22.47	23.5
	DFT-s-OFDM 16QAM	1	1	22.67	22.72	22.73	23.5
	DFT-s-OFDM 64QAM	1	1	21.09	21.14	21.15	22
	DFT-s-OFDM 256QAM	1	1	19.77	19.64	19.47	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.71	23.77	23.58	24.5
BW	MCS Index	Channel		343500	349000	23.57	Max. Tune-up
		Frequency (MHz)		1717.5	1745	23.57	
15M	DFT-s-OFDM QPSK	1	1	23.68	23.73	23.56	24.5
BW	MCS Index	Channel		343000	349000	23.57	Max. Tune-up
		Frequency (MHz)		1715	1745	23.57	
10M	DFT-s-OFDM QPSK	1	1	23.65	23.76	23.54	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.66	23.71	23.63	24.5

n71 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM P/V2 BPSK	1	1	23.40	23.16	22.99	24.5
		1	53	23.18	23.02	22.91	24.5
		1	104	22.93	22.82	22.59	24.5
		50	0	22.68	22.62	22.44	24
		50	28	23.21	23.01	22.95	24.5
		50	56	22.56	22.35	22.26	24
		100	0	22.62	22.41	22.30	24
		1	1	23.49	23.19	23.00	24.5
	DFT-s-OFDM QPSK	1	53	23.18	23.05	22.95	24.5
		1	104	22.99	22.83	22.61	24.5
		50	0	22.31	22.12	22.05	23.5
		50	28	23.12	23.06	22.86	24.5
		50	56	22.15	21.94	21.79	23.5
		100	0	22.19	22.01	21.91	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.44	22.27	23.5
	DFT-s-OFDM 64QAM	1	1	20.45	20.33	20.23	22
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.06	20
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.15	22.99	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.47	23.11	22.97	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.44	22.96	22.96	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/V2 BPSK	1	1		24.16		25
		1	137		23.97		25
		1	271		24.13		25
		135	0		23.39		24.5
		135	69		24.03		25
		135	138		24.19		24.5
		270	0		24.05		24.5
		1	1		24.27		25
	DFT-s-OFDM QPSK	1	137		23.91		25
		1	271		24.15		25
		135	0		23.91		24.5
		135	69		24.14		25
		135	138		24.12		24.5
		270	0		24.03		24.5
	DFT-s-OFDM 16QAM	1	1		23.65		24.5
	DFT-s-OFDM 64QAM	1	1		22.82		23.5
	DFT-s-OFDM 256QAM	1	1		20.69		21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.56	23.69	23.54	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.79	23.78	24.01	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.98	24.06	23.99	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.19	24.11	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.12	24.07	25

n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.81	24.27	23.97	25
		1	137	23.89	24.04	24.36	25
		1	271	23.92	24.08	24.31	25
		135	0	23.91	24.16	24.23	24.5
		135	69	23.94	24.09	24.35	25
		135	138	23.93	24.01	24.34	24.5
		270	0	23.93	24.04	24.32	24.5
	DFT-s-OFDM QPSK	1	1	24.03	24.37	24.55	25
		1	137	23.92	24.05	24.31	25
		1	271	23.96	24.16	24.36	25
		135	0	23.91	24.23	24.21	24.5
		135	69	23.95	24.22	24.26	25
		135	138	23.87	24.01	24.15	24.5
		270	0	23.83	24.25	24.19	24.5
	DFT-s-OFDM 16QAM	1	1	23.93	24.37	24.13	24.5
	DFT-s-OFDM 64QAM	1	1	23.02	23.25	23.21	23.5
	DFT-s-OFDM 256QAM	1	1	20.82	21.33	21.02	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	24.01	24.33	24.32	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.99	24.28	24.33	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	24.02	24.29	24.30	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.26	24.35	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.95	24.31	24.30	25

n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		23.90		25
		1	137		24.05		25
		1	271		24.31		25
		135	0		24.03		24.5
		135	69		24.06		25
		135	138		24.26		24.5
		270	0		24.10		24.5
	DFT-s-OFDM QPSK	1	1		24.36		25
		1	137		24.09		25
		1	271		24.25		25
		135	0		24.01		24.5
		135	69		24.28		25
		135	138		24.25		24.5
		270	0		24.07		24.5
	DFT-s-OFDM 16QAM	1	1		23.86		24.5
	DFT-s-OFDM 64QAM	1	1		22.91		23.5
	DFT-s-OFDM 256QAM	1	1		20.87		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	24.01	23.88	24.11	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.99	23.97	23.98	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	24.15	23.99	24.18	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.24	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	24.17	24.00	24.18	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.21	24.31	24.20	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	24.05	24.19	24.09	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.23	24.11	25

Sim-TX Receiver off DSI2

PC2_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	24.52	24.29	24.06	25
		1	137	24.54	24.22	24.34	25
		1	271	24.47	24.51	24.65	25
		135	0	24.09	23.78	23.67	24.5
		135	69	24.58	24.26	24.35	25
		135	138	23.96	23.74	24.10	24.5
	DFT-s-OFDM QPSK	270	0	24.03	23.77	23.90	24.5
		1	1	24.59	24.55	24.73	25
		1	137	24.48	24.23	24.33	25
		1	271	24.41	24.49	24.62	25
		135	0	23.58	23.28	23.16	24
		135	69	24.34	24.22	24.37	25
	DFT-s-OFDM 16QAM	135	138	23.46	23.34	23.62	24
		270	0	23.42	23.26	23.52	24
		1	1	23.62	23.36	23.22	24
		1	1	21.73	21.41	21.25	22.5
		1	1	19.56	19.27	19.06	20.5
		1	1	19.56	19.27	19.06	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.52	24.54	24.60	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.56	24.49	24.71	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.62	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.44	24.53	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.44	24.45	24.67	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.53	24.43	24.59	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.51	24.52	24.70	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.54	24.42	24.64	25

PC2_n77 (SCS 30 kHz) 3450-3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.06		27
		1	137		25.80		27
		1	271		26.10		27
		135	0		24.66		26.5
		135	69		25.86		27
		135	138		25.11		26.5
	DFT-s-OFDM QPSK	270	0		24.83		26.5
		1	1		26.30		27
		1	137		25.70		27
		1	271		26.13		27
		135	0		24.74		26
		135	69		26.18		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		24.96		26
		1	1		25.43		26
		1	1		23.97		24.5
		1	1		21.34		22.5
		1	1		21.34		22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.14	25.95	26.15	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.18	26.16	26.22	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.07	26.09	26.09	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.18	26.11	26.14	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.08	25.91	26.21	27

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	25.86	25.79	25.72	27
		1	137	26.02	25.82	26.17	27
		1	271	26.04	25.89	26.28	27
		135	0	24.99	25.33	25.04	26.5
		135	69	25.98	25.91	26.22	27
		135	138	24.98	25.39	25.23	26.5
	DFT-s-OFDM QPSK	270	0	25.03	25.38	25.04	26.5
		1	1	26.07	25.96	26.29	27
		1	137	25.93	25.71	26.17	27
		1	271	26.01	25.78	26.08	27
		135	0	24.98	24.80	25.00	26
		135	69	26.05	25.85	26.21	27
	DFT-s-OFDM 16QAM	135	138	25.01	24.83	25.23	26
		270	0	25.03	24.81	25.06	26
		1	1	25.34	25.08	25.54	26
		1	1	23.40	23.06	23.55	24.5
		1	1	21.07	20.81	21.32	22.5
		1	1	21.07	20.81	21.32	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	26.05	25.87	26.25	27
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.01	25.90	26.27	27
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.00	25.91	26.21	27
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	25.99	25.94	26.22	27
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.04	25.88	26.23	27

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.19		27
		1	137		25.97		27
		1	271		26.34		27
		135	0		24.85		26.5
		135	69		26.05		27
		135	138		25.19		26.5
	DFT-s-OFDM QPSK	270	0		25.03		26.5
		1	1		26.35		27
		1	137		25.94		27
		1	271		26.31		27
		135	0		24.84		26
		135	69		26.01		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		25.03		26
		1	1		25.46		26
		1	1		23.50		24.5
		1	1		21.37		22.5
		1	1		21.37		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	1	26.05	25.72	26.05	27
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.11	25.74	26.22	27
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.08	25.80	26.17	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.31	25.84	26.11	27
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	25.83	26.07	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.25	26.14	26.08	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.09	26.15	26.15	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.13	26.08	26.18	27

Sim-TX Receiver off DSI2

PC3_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC								
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)	
				Low	Mid	High		
				Channel				509202
Frequency (MHz)			2546.01	2592.99	2640			
100M	CP-OFDM QPSK	1	1	22.74	22.87	23.05	24	
		1	137	22.67	22.64	22.74	24	
		1	271	22.70	22.75	22.94	24	
		137	0	21.65	21.49	21.36	23	
		137	68	22.61	22.54	22.61	24	
		137	136	21.53	21.57	21.85	23	
		273	0	21.61	21.53	21.65	23	
	CP-OFDM 16QAM	1	1	22.68	22.58	22.50	23	
	CP-OFDM 64QAM	1	1	20.90	20.89	20.68	22.5	
	CP-OFDM 256QAM	1	1	18.72	18.55	18.51	20.5	
BW	MCS Index	Channel			508200	518598	528996	Max. Tune-up
Frequency (MHz)			2541	2592.99	2644.98			
90M	CP-OFDM QPSK	1	1	22.64	22.79	22.95	24	
BW	MCS Index	Channel			507204	518598	529998	Max. Tune-up
Frequency (MHz)			2536.02	2592.99	2649.99			
80M	CP-OFDM QPSK	1	1	22.63	22.81	22.93	24	
BW	MCS Index	Channel			506202	518598	531000	Max. Tune-up
Frequency (MHz)			2531.01	2592.99	2655			
70M	CP-OFDM QPSK	1	1	22.68	22.86	22.96	24	
BW	MCS Index	Channel			505200	518598	531996	Max. Tune-up
Frequency (MHz)			2526	2592.99	2659.98			
60M	CP-OFDM QPSK	1	1	22.62	22.82	22.95	24	
BW	MCS Index	Channel			504204	518598	532998	Max. Tune-up
Frequency (MHz)			2521.02	2592.99	2664.99			
50M	CP-OFDM QPSK	1	1	22.70	22.78	23.01	24	
BW	MCS Index	Channel			503202	518598	534000	Max. Tune-up
Frequency (MHz)			2516.01	2592.99	2670			
40M	CP-OFDM QPSK	1	1	22.67	22.77	23.03	24	
BW	MCS Index	Channel			502200	518598	534996	Max. Tune-up
Frequency (MHz)			2511	2592.99	2674.98			
30M	CP-OFDM QPSK	1	1	22.69	22.83	22.93	24	
BW	MCS Index	Channel			501204	518598	535998	Max. Tune-up
Frequency (MHz)			2506.02	2592.99	2679.99			
20M	CP-OFDM QPSK	1	1	22.66	22.83	22.92	24	

n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
					Mid		
		Channel		633334			
Frequency (MHz)		3500.01					
100M	CP-OFDM QPSK	1	1		23.68		25
		1	137		23.44		25
		1	271		23.54		25
		137	0		22.05		24
		137	68		23.36		25
		137	136		22.14		24
		273	0		22.03		24
	CP-OFDM 16QAM	1	1		22.82		24.5
	CP-OFDM 64QAM	1	1		21.05		23
	CP-OFDM 256QAM	1	1		18.12		20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.60	23.61	23.63	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.61	23.56	23.59	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.58	23.57	23.60	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.59	23.55	23.62	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.62	23.64	23.59	25

n77 (SCS 30 kHz) 3700–3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	24.28	24.09	24.35	25
		1	137	24.06	23.73	24.05	25
		1	271	24.02	24.02	23.99	25
		137	0	22.75	22.61	22.70	24
		137	68	24.19	23.91	24.26	25
		137	136	22.68	22.55	22.74	24
		273	0	22.79	22.63	22.73	24
	CP-OFDM 16QAM	1	1	23.77	23.79	23.77	24.5
	CP-OFDM 64QAM	1	1	22.08	21.95	21.97	23
	CP-OFDM 256QAM	1	1	19.21	19.06	19.11	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.20	24.07	24.16	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.21	24.04	24.11	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.22	24.02	24.12	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.18	24.01	24.16	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.26	24.02	24.10	25

n78 (SCS 30 kHz) 3450–3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.89		25
		1	137		23.65		25
		1	271		23.72		25
		137	0		22.30		24
		137	68		23.66		25
		137	136		22.31		24
		273	0		22.25		24
	CP-OFDM 16QAM	1	1		22.72		24
	CP-OFDM 64QAM	1	1		21.17		22.5
	CP-OFDM 256QAM	1	1		18.74		20.5
BW	MCS Index	Channel	633000	633334	633666	Max. Tune-up	
		Frequency (MHz)	3495	3500.01	3504.99		
90M	CP-OFDM QPSK	1	1	23.85	23.87	23.84	25
BW	MCS Index	Channel	632668	633334	634000	Max. Tune-up	
		Frequency (MHz)	3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	23.72	23.79	23.76	25
BW	MCS Index	Channel	632334	633334	634332	Max. Tune-up	
		Frequency (MHz)	3485.01	3500.01	3514.98		
70M	CP-OFDM QPSK	1	1	23.84	23.80	23.75	25
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up	
		Frequency (MHz)	3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	23.76	23.79	23.78	25
BW	MCS Index	Channel	631668	633334	635000	Max. Tune-up	
		Frequency (MHz)	3475.02	3500.01	3525		
50M	CP-OFDM QPSK	1	1	23.79	23.75	23.75	25
BW	MCS Index	Channel	631334	633334	635332	Max. Tune-up	
		Frequency (MHz)	3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	23.81	23.79	23.81	25
BW	MCS Index	Channel	631000	633334	635666	Max. Tune-up	
		Frequency (MHz)	3465	3500.01	3534.99		
30M	CP-OFDM QPSK	1	1	23.75	23.75	23.71	25
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up	
		Frequency (MHz)	3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	23.81	23.82	23.71	25

Sim-TX_Receiver off_DS12

PC2_n41 (SCS 30 kHz)_UL MIMO (Ant0+2)								
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)	
				Low	Mid	High		
				Channel		509202		518598
				Frequency (MHz)	2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	23.28	23.34	23.42	24	
		1	137	23.24	23.14	23.26	24	
		1	271	23.22	23.29	23.35	24	
		137	0	21.66	21.52	21.36	23	
		137	68	23.21	23.02	23.25	24	
		137	136	21.59	21.62	21.86	23	
		273	0	22.13	21.52	21.64	23	
	CP-OFDM 16QAM	1	1	22.71	22.66	22.46	23	
	CP-OFDM 64QAM	1	1	20.91	20.87	20.69	22.5	
	CP-OFDM 256QAM	1	1	18.83	18.59	18.64	20.5	
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up	
		Frequency (MHz)		2541	2592.99	2644.98		
90M	CP-OFDM QPSK	1	1	23.16	23.19	23.31	24	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	CP-OFDM QPSK	1	1	23.20	23.29	23.29	24	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up	
		Frequency (MHz)		2531.01	2592.99	2655		
70M	CP-OFDM QPSK	1	1	23.20	23.25	23.35	24	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	CP-OFDM QPSK	1	1	23.13	23.25	23.31	24	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	CP-OFDM QPSK	1	1	23.21	23.24	23.34	24	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	CP-OFDM QPSK	1	1	23.17	23.22	23.35	24	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	CP-OFDM QPSK	1	1	23.20	23.23	23.34	24	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	CP-OFDM QPSK	1	1	23.16	23.24	23.33	24	

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
					Mid		
				Channel	633334		
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		24.19		25
		1	137		23.93		25
		1	271		24.05		25
		137	0		22.27		24
		137	68		24.01		25
		137	136		22.34		24
		273	0		22.30		24
	CP-OFDM 16QAM	1	1		23.08		24.5
	CP-OFDM 64QAM	1	1		21.51		23
	CP-OFDM 256QAM	1	1		18.62		20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.17	24.18	24.15	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.06	24.08	24.04	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.11	24.08	24.10	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.05	24.12	24.04	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.11	24.08	24.11	25

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	650000	656000	662000		
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	24.60	24.63	24.75	25
		1	137	24.47	24.48	24.71	25
		1	271	24.45	24.53	24.62	25
		137	0	22.99	23.04	23.05	24
		137	68	24.34	24.39	24.54	25
		137	136	22.88	22.99	23.01	24
		273	0	22.95	22.98	23.03	24
	CP-OFDM 16QAM	1	1	23.97	24.13	24.05	24.5
	CP-OFDM 64QAM	1	1	22.22	22.33	22.34	23
	CP-OFDM 256QAM	1	1	19.39	19.40	19.39	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.33	24.51	24.68	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.32	24.54	24.66	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.33	24.56	24.65	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.35	24.55	24.69	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.32	24.55	24.71	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)			633334		
100M	CP-OFDM QPSK	1	1		24.34		25
		1	137		23.91		25
		1	271		24.05		25
		137	0		22.41		24
		137	68		24.22		25
		137	136		22.31		24
		273	0		22.38		24
	CP-OFDM 16QAM	1	1		23.42		24
	CP-OFDM 64QAM	1	1		21.75		22.5
	CP-OFDM 256QAM	1	1		18.87		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	24.27	24.32	24.29	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.22	24.29	24.25	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	24.19	24.26	24.19	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.17	24.31	24.22	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	24.14	24.22	24.24	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.16	24.28	24.23	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.23	24.27	24.23	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.20	24.18	24.24	25

LTE Band 26 (Ari)									
SR Size	SR Offset	SR	SR	SR	SR	SR	SR	SR	SR
Frequency (MHz)	SR	SR	SR	SR	SR	SR	SR	SR	SR
1	0	22.66	22.67	22.68	0	24	24	24	24
1	0	22.67	22.68	22.69	1	25	25	25	25
1	0	22.68	22.69	22.70	1	26	26	26	26
1	0	22.69	22.70	22.71	1	27	27	27	27
1	0	22.70	22.71	22.72	1	28	28	28	28
1	0	22.71	22.72	22.73	1	29	29	29	29
1	0	22.72	22.73	22.74	1	30	30	30	30
1	0	22.73	22.74	22.75	1	31	31	31	31
1	0	22.74	22.75	22.76	1	32	32	32	32
1	0	22.75	22.76	22.77	1	33	33	33	33
1	0	22.76	22.77	22.78	1	34	34	34	34
1	0	22.77	22.78	22.79	1	35	35	35	35
1	0	22.78	22.79	22.80	1	36	36	36	36
1	0	22.79	22.80	22.81	1	37	37	37	37
1	0	22.80	22.81	22.82	1	38	38	38	38
1	0	22.81	22.82	22.83	1	39	39	39	39
1	0	22.82	22.83	22.84	1	40	40	40	40
1	0	22.83	22.84	22.85	1	41	41	41	41
1	0	22.84	22.85	22.86	1	42	42	42	42
1	0	22.85	22.86	22.87	1	43	43	43	43
1	0	22.86	22.87	22.88	1	44	44	44	44
1	0	22.87	22.88	22.89	1	45	45	45	45
1	0	22.88	22.89	22.90	1	46	46	46	46
1	0	22.89	22.90	22.91	1	47	47	47	47
1	0	22.90	22.91	22.92	1	48	48	48	48
1	0	22.91	22.92	22.93	1	49	49	49	49
1	0	22.92	22.93	22.94	1	50	50	50	50
1	0	22.93	22.94	22.95	1	51	51	51	51
1	0	22.94	22.95	22.96	1	52	52	52	52
1	0	22.95	22.96	22.97	1	53	53	53	53
1	0	22.96	22.97	22.98	1	54	54	54	54
1	0	22.97	22.98	22.99	1	55	55	55	55
1	0	22.98	22.99	23.00	1	56	56	56	56
1	0	22.99	23.00	23.01	1	57	57	57	57
1	0	23.00	23.01	23.02	1	58	58	58	58
1	0	23.01	23.02	23.03	1	59	59	59	59
1	0	23.02	23.03	23.04	1	60	60	60	60
1	0	23.03	23.04	23.05	1	61	61	61	61
1	0	23.04	23.05	23.06	1	62	62	62	62
1	0	23.05	23.06	23.07	1	63	63	63	63
1	0	23.06	23.07	23.08	1	64	64	64	64
1	0	23.07	23.08	23.09	1	65	65	65	65
1	0	23.08	23.09	23.10	1	66	66	66	66
1	0	23.09	23.10	23.11	1	67	67	67	67
1	0	23.10	23.11	23.12	1	68	68	68	68
1	0	23.11	23.12	23.13	1	69	69	69	69
1	0	23.12	23.13	23.14	1	70	70	70	70
1	0	23.13	23.14	23.15	1	71	71	71	71
1	0	23.14	23.15	23.16	1	72	72	72	72
1	0	23.15	23.16	23.17	1	73	73	73	73
1	0	23.16	23.17	23.18	1	74	74	74	74
1	0	23.17	23.18	23.19	1	75	75	75	75
1	0	23.18	23.19	23.20	1	76	76	76	76
1	0	23.19	23.20	23.21	1	77	77	77	77
1	0	23.20	23.21	23.22	1	78	78	78	78
1	0	23.21	23.22	23.23	1	79	79	79	79
1	0	23.22	23.23	23.24	1	80	80	80	80
1	0	23.23	23.24	23.25	1	81	81	81	81
1	0	23.24	23.25	23.26	1	82	82	82	82
1	0	23.25	23.26	23.27	1	83	83	83	83
1	0	23.26	23.27	23.28	1	84	84	84	84
1	0	23.27	23.28	23.29	1	85	85	85	85
1	0	23.28	23.29	23.30	1	86	86	86	86
1	0	23.29	23.30	23.31	1	87	87	87	87
1	0	23.30	23.31	23.32	1	88	88	88	88
1	0	23.31	23.32	23.33	1	89	89	89	89
1	0	23.32	23.33	23.34	1	90	90	90	90
1	0	23.33	23.34	23.35	1	91	91	91	91
1	0	23.34	23.35	23.36	1	92	92	92	92
1	0	23.35	23.36	23.37	1	93	93	93	93
1	0	23.36	23.37	23.38	1	94	94	94	94
1	0	23.37	23.38	23.39	1	95	95	95	95
1	0	23.38	23.39	23.40	1	96	96	96	96
1	0	23.39	23.40	23.41	1	97	97	97	97
1	0	23.40	23.41	23.42	1	98	98	98	98
1	0	23.41	23.42	23.43	1	99	99	99	99
1	0	23.42	23.43	23.44	1	100	100	100	100
1	0	23.43	23.44	23.45	1	101	101	101	101
1	0	23.44	23.45	23.46	1	102	102	102	102
1	0	23.45	23.46	23.47	1	103	103	103	103
1	0	23.46	23.47	23.48	1	104	104	104	104
1	0	23.47	23.48	23.49	1	105	105	105	105
1	0	23.48	23.49	23.50	1	106	106	106	106
1	0	23.49	23.50	23.51	1	107	107	107	107
1	0	23.50	23.51	23.52	1	108	108	108	108
1	0	23.51	23.52	23.53	1	109	109	109	109
1	0	23.52	23.53	23.54	1	110	110	110	110
1	0	23.53	23.54	23.55	1	111	111	111	111
1	0	23.54	23.55	23.56	1	112	112	112	112
1	0	23.55	23.56	23.57	1	113	113	113	113
1	0	23.56	23.57	23.58	1	114	114	114	114
1	0	23.57	23.58	23.59	1	115	115	115	115
1	0	23.58	23.59	23.60	1	116	116	116	116
1	0	23.59	23.60	23.61	1	117	117	117	117
1	0	23.60	23.61	23.62	1	118	118	118	118
1	0	23.61	23.62	23.63	1	119	119	119	119
1	0	23.62	23.63	23.64	1	120	120	120	120
1	0	23.63	23.64	23.65	1	121	121	121	121
1	0	23.64	23.65	23.66	1	122	122	122	122
1	0	23.65	23.66	23.67	1	123	123	123	123
1	0	23.66	23.67	23.68	1	124	124	124	124
1	0	23.67	23.68	23.69	1	125	125	125	125
1	0	23.68	23.69	23.70	1	126	126	126	126
1	0	23.69	23.70	23.71	1	127	127	127	127
1	0	23.70	23.71	23.72	1	128	128	128	128
1	0	23.71	23.72	23.73	1	129	129	129	129
1	0	23.72	23.73	23.74	1	130	130	130	130
1	0	23.73	23.74	23.75	1	131	131	131	131
1	0	23.74	23.75	23.76	1	132	132	132	132
1	0	23.75	23.76	23.77	1	133	133	133	133
1	0	23.76	23.77	23.78	1	134	134	134	134
1	0	23.77	23.78	23.79	1	135	135	135	135
1	0	23.78	23.79	23.80	1	136	136	136	136
1	0	23.79	23.80	23.81	1	137	137	137	137
1	0	23.80	23.81	23.82	1	138	138	138	138
1	0	23.81	23.82	23.83	1	139	139	139	139
1	0	23.82	23.83	23.84	1	140	140	140	140
1	0	23.83	23.84	23.85	1	141	141	141	141
1	0	23.84	23.85	23.86	1	142	142	142	142
1	0	23.85	23.86	23.87	1	143	143	143	143
1	0	23.86	23.87	23.88	1	144	144	144	144
1	0	23.87	23.88	23.89	1	145	145	145	145
1	0	23.88	23.89	23.90	1	146	146	146	146
1	0	23.89	23.90	23.91	1	147	147	147	147
1	0	23.90	23.91	23.92	1	148	148	148	148
1	0	23.91	23.92	23.93	1	149	149	149	149
1	0	23.92	23.93	23.94	1	150	150	150	150
1	0	23.93	23.94	23.95	1	151	151	151	151
1	0	23.94	23.95	23.96	1	152	152	152	152
1	0	23.95	23.96	23.97	1	153	153	153	153
1	0	23.96	23.97	23.98	1	154	154	154	154
1	0	23.97	23.98	23.99	1	155	155	155	155
1	0	23.98	23.99	24.00	1	156	156	156	156
1	0	23.99	24.00	24.01	1	157	157	157	157
1	0	24.00	24.01	24.02	1	158	158	158	158
1	0	24.01	24.02	24.03	1	159	159	159	159
1	0	24.02	24.03	24.04	1	160	160	160	160
1	0	24.03	24.04	24.05	1	161	161	161	161
1	0	24.04	24.05	24.06	1	162	162	162	162
1	0	24.05	24.06	24.07	1	163	163	163	163
1	0	24.06	24.07	24.08	1	164	164	164	164
1	0	24.07	24.08	24.09	1	165	165	165	165
1	0	24.08	24.09	24.10	1	166	166	166	166
1	0	24.09	24.10	24.11	1	167	167	167	167
1	0	24.10	24.11	2					

Sim-TX Receiver off DSI2

n2 (SCS 15 kHz) (Ant0)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376000	380000		
		Frequency (MHz)		1860	1880	1900		
20M	DFT-s-OFDM P/2 BPSK	1	1	23.61	23.55	23.32	0	24.5
		1	53	23.46	23.30	23.36	0	24.5
		1	104	23.52	23.32	23.33	0	24.5
		50	0	23.05	22.97	22.86	0.5	24
		50	28	23.58	23.49	23.44	0	24.5
		50	56	23.04	22.99	22.85	0.5	24
		100	0	23.10	22.95	22.89	0.5	24
	DFT-s-OFDM QPSK	1	1	23.63	23.61	23.49	0	24.5
		1	53	23.51	23.38	23.42	0	24.5
		1	104	23.47	23.40	23.36	0	24.5
		50	0	22.65	22.53	22.46	1	23.5
		50	28	23.61	23.51	23.46	0	24.5
		50	56	22.57	22.48	22.40	1	23.5
		100	0	22.67	22.56	22.56	1	23.5
	DFT-s-OFDM 16QAM	1	1	22.99	22.91	22.61	1	23.5
	DFT-s-OFDM 64QAM	1	1	20.74	20.75	20.45	2.5	22
	DFT-s-OFDM 256QAM	1	1	18.73	18.59	18.46	4.5	20
BW	MCS Index	Channel		371500	376000	380500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5		
15M	DFT-s-OFDM QPSK	1	1	23.59	23.55	23.41		24.5
BW	MCS Index	Channel		371000	376000	381000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1855	1880	1905		
10M	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.39		24.5
BW	MCS Index	Channel		370500	376000	381500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5		
5M	DFT-s-OFDM QPSK	1	1	23.55	23.52	23.44		24.5

n25 (SCS 15 kHz) (Ant0)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376500	381000		
		Frequency (MHz)		1860	1882.5	1905		
20M	DFT-s-OFDM P/2 BPSK	1	1	23.59	23.43	23.48		24.5
		1	53	23.57	23.39	23.58		24.5
		1	104	23.52	23.45	23.50		24.5
		50	0	23.07	22.86	23.08		24
		50	28	23.54	23.33	23.57		24.5
		50	56	23.02	22.83	23.08		24
		100	0	23.03	22.81	23.05		24
	DFT-s-OFDM QPSK	1	1	23.65	23.47	23.60		24.5
		1	53	23.52	23.41	23.53		24.5
		1	104	23.54	23.39	23.57		24.5
		50	0	22.53	22.48	22.65		23.5
		50	28	23.55	23.43	23.52		24.5
		50	56	22.59	22.45	22.48		23.5
		100	0	22.59	22.43	22.55		23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.79	22.75		23.5
	DFT-s-OFDM 64QAM	1	1	20.77	20.65	20.71		22
	DFT-s-OFDM 256QAM	1	1	18.53	18.41	18.52		20
BW	MCS Index	Channel		371500	376500	381500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5		
15M	DFT-s-OFDM QPSK	1	1	23.62	23.53	23.57		24.5
BW	MCS Index	Channel		371000	376500	382000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910		
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.49		24.5
BW	MCS Index	Channel		370500	376500	382500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5		
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.51		24.5

PC3_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P1/2 BPSK	1	1	22.44	22.47	22.59	24
		1	137	22.34	22.40	22.51	24
		1	271	22.30	22.80	22.54	24
		135	0	22.31	22.32	22.51	23.5
		135	69	22.39	22.37	22.55	24
		135	138	22.24	22.43	22.50	23.5
		270	0	22.31	22.45	22.49	23.5
		1	1	22.46	22.75	22.83	24
	DFT-s-OFDM QPSK	1	137	22.42	22.53	22.72	24
		1	271	22.43	22.72	22.81	24
		135	0	22.28	22.37	22.54	23
		135	69	22.30	22.44	22.68	24
		135	138	22.23	22.42	22.62	23
		270	0	22.32	22.43	22.54	23
	DFT-s-OFDM 16QAM	1	1	22.15	22.32	22.49	23
	DFT-s-OFDM 64QAM	1	1	21.79	21.87	21.72	22.5
	DFT-s-OFDM 256QAM	1	1	20.10	19.95	19.95	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.41	22.70	22.79	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.40	22.73	22.80	24
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.37	22.73	22.81	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.45	22.74	22.82	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.44	22.72	22.77	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
40M	DFT-s-OFDM QPSK	1	1	22.42	22.71	22.78	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
30M	DFT-s-OFDM QPSK	1	1	22.43	22.76	22.76	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.42	22.70	22.77	24

PC2_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P1/2 BPSK	1	1	24.45	24.68	24.65	25
		1	137	24.28	24.48	24.63	25
		1	271	24.31	24.65	24.64	25
		135	0	23.80	23.62	23.84	24.5
		135	69	24.26	24.43	24.66	25
		135	138	23.74	24.06	24.22	24.5
		270	0	23.86	23.91	24.18	24.5
	DFT-s-OFDM QPSK	1	1	24.44	24.59	24.74	25
		1	137	24.28	24.37	24.71	25
		1	271	24.35	24.57	24.72	25
		135	0	23.27	23.31	23.52	24
		135	69	24.36	24.43	24.71	25
		135	138	23.31	23.58	23.77	24
		270	0	23.28	23.55	23.64	24
	DFT-s-OFDM 16QAM	1	1	23.32	23.34	23.45	24
	DFT-s-OFDM 64QAM	1	1	21.81	22.01	21.68	22.5
	DFT-s-OFDM 256QAM	1	1	19.71	20.04	19.92	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.41	24.56	24.70	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.42	24.53	24.72	25
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.40	24.57	24.71	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.43	24.56	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.40	24.52	24.73	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.38	24.50	24.70	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.39	24.55	24.67	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.37	24.54	24.64	25

n66 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P/2 BPSK	1	1	23.45	23.44	23.43	24.5
		1	80	23.43	23.51	23.28	24.5
		1	158	23.48	23.31	23.17	24.5
		80	0	23.09	23.08	22.95	24
		80	40	23.46	23.50	23.41	24.5
		80	80	23.03	22.98	22.85	24
		160	0	23.06	23.01	22.98	24
	DFT-s-OFDM QPSK	1	1	23.53	23.58	23.49	24.5
		1	80	23.41	23.54	23.39	24.5
		1	158	23.49	23.33	23.32	24.5
		80	0	22.52	22.63	22.45	23.5
		80	40	23.44	23.49	23.45	24.5
		80	80	22.56	22.51	22.36	23.5
		160	0	22.62	22.63	22.43	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.62	22.62	23.5
	DFT-s-OFDM 64QAM	1	1	20.53	20.58	20.48	22
	DFT-s-OFDM 256QAM	1	1	18.55	18.62	18.57	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.51	23.56	23.44	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.51	23.41	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.44	23.45	23.38	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.47	23.52	22.42	24.5

Sim-TX_Receiver off_DS12

CA_2C ANT0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
18700	1860	18898	1879.8	QPSK	1	99	1	0	23.81
				16QAM	1	99	1	0	22.82
				64QAM	1	99	1	0	21.71
				256QAM	1	99	1	0	18.84
18801	1870.1	18999	1889.9	QPSK	1	99	1	0	23.83
				16QAM	1	99	1	0	22.84
				64QAM	1	99	1	0	21.75
				256QAM	1	99	1	0	18.86
18902	1880.2	19100	1900	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	22.87
				64QAM	1	99	1	0	21.84
				256QAM	1	99	1	0	18.81

CA_5B ANT0									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
20450	829	20549	838.9	QPSK	1	49	1	0	23.73
				16QAM	1	49	1	0	22.91
				64QAM	1	49	1	0	19.88
				256QAM	1	49	1	0	18.96
20476	831.6	20575	841.5	QPSK	1	49	1	0	23.83
				16QAM	1	49	1	0	22.84
				64QAM	1	49	1	0	21.87
				256QAM	1	49	1	0	18.87
20501	834.1	20600	844	QPSK	1	49	1	0	23.88
				16QAM	1	49	1	0	22.85
				64QAM	1	49	1	0	21.83
				256QAM	1	49	1	0	18.81

CA_7C ANT0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
20850	2510	21048	2529.8	QPSK	1	99	1	0	21.20
				16QAM	1	99	1	0	20.32
				64QAM	1	99	1	0	19.28
				256QAM	1	99	1	0	16.19
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	21.23
				16QAM	1	99	1	0	20.29
				64QAM	1	99	1	0	19.32
				256QAM	1	99	1	0	16.18
21152	2540.2	21350	2560	QPSK	1	99	1	0	21.31
				16QAM	1	99	1	0	20.40
				64QAM	1	99	1	0	19.31
				256QAM	1	99	1	0	16.47

CA_12B ANT0									
Combination 5MHz+10MHz (25RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
23038	701.8	23110	709	QPSK	1	24	1	0	23.24
				16QAM	1	24	1	0	22.58
				64QAM	1	24	1	0	21.11
				256QAM	1	24	1	0	18.55
23048	702.8	23120	710	QPSK	1	24	1	0	23.21
				16QAM	1	24	1	0	22.57
				64QAM	1	24	1	0	21.04
				256QAM	1	24	1	0	18.60
23068	703.8	23130	711	QPSK	1	24	1	0	23.35
				16QAM	1	24	1	0	22.67
				64QAM	1	24	1	0	21.19
				256QAM	1	24	1	0	18.62

CA_38C Ant0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.31
				16QAM	1	99	1	0	23.33
				64QAM	1	99	1	0	22.40
				256QAM	1	99	1	0	19.38
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.23
				16QAM	1	99	1	0	23.29
				64QAM	1	99	1	0	22.26
				256QAM	1	99	1	0	19.39
37952	2590.2	38150	2610	QPSK	1	99	1	0	24.18
				16QAM	1	99	1	0	23.22
				64QAM	1	99	1	0	22.20
				256QAM	1	99	1	0	19.31

CA_41C ANT0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
39750	2506	39948	2525.8	QPSK	1	99	1	0	22.63
				16QAM	1	99	1	0	21.53
				64QAM	1	99	1	0	20.71
				256QAM	1	99	1	0	17.61
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.01
				16QAM	1	99	1	0	21.97
				64QAM	1	99	1	0	21.07
				256QAM	1	99	1	0	17.93
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.11
				16QAM	1	99	1	0	22.03
				64QAM	1	99	1	0	21.19
				256QAM	1	99	1	0	18.04

CA_42C ANT7 Part27Q									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
42190	3460	42388	3479.8	QPSK	1	99	1	0	23.55
				16QAM	1	99	1	0	22.62
				64QAM	1	99	1	0	21.76
				256QAM	1	99	1	0	18.82
42491	3490.1	42689	3509.9	QPSK	1	99	1	0	23.48
				16QAM	1	99	1	0	22.54
				64QAM	1	99	1	0	21.54
				256QAM	1	99	1	0	18.77
42792	3520.2	42990	3540	QPSK	1	99	1	0	23.64
				16QAM	1	99	1	0	22.67
				64QAM	1	99	1	0	21.56
				256QAM	1	99	1	0	18.85

CA_42C ANT7 Part96									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power
					RB Size	RB offset	RB Size	RB offset	Max Tune-up
43190	3560	43388	3579.8	QPSK	1	99	1	0	23.53
				16QAM	1	99	1	0	22.60
				64QAM	1	99	1	0	21.66
				256QAM	1	99	1	0	18.71
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	23.38
				16QAM	1	99	1	0	22.48
				64QAM	1	99	1	0	21.45
				256QAM	1	99	1	0	18.73
43292	3570.2	43490	3590	QPSK	1	99	1	0	23.57
				16QAM	1	99	1	0	22.66
				64QAM	1	99	1	0	21.45
				256QAM	1	99	1	0	18.71

Sim-TX_Sensor on & Receiver off_DSS

LTE Band 2 (Aut2)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max.	Time-up	Max.
		Channel	1920	1920	1920	MPS	Time-up			
OPSA		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
20M		50	0	21.76	21.76	21.68	2	22		
		50	50	21.76	21.59	21.41	2	22		
		50	50	21.75	21.53	21.44	2	22		
		100	0	21.79	21.59	21.52	2	22		
		1	0	21.76	21.77	21.47	2	22		
		1	50	21.53	21.67	21.44	2	22		
		1	90	21.47	21.57	21.26	2	22		
		50	0	20.87	20.74	20.52	3	21		
		50	50	20.71	20.44	20.31	3	21		
		100	0	20.81	20.52	20.44	3	21		
40M		1	0	18.66	18.49	18.42	5	19		
		1	50	18.66	18.63	18.48	5	19		
		50	50	18.66	18.74	18.56	5	19		
		50	50	18.65	18.65	18.45	5	19		
		50	50	18.58	18.48	18.38	5	19		
		100	0	18.71	18.48	18.32	5	19		
E20M		Channel <td>1885</td> <td>1890</td> <td>1895</td> <td>1900</td> <td>1905</td> <td>1910</td> <td rowspan="10"></td> <td rowspan="10"></td>	1885	1890	1895	1900	1905	1910		
		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
OPSA		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
		50	0	21.76	21.76	21.68	2	22		
20M		50	0	21.76	21.76	21.68	2	22		
		50	50	21.76	21.59	21.41	2	22		
		50	50	21.75	21.53	21.44	2	22		
		100	0	21.79	21.59	21.52	2	22		
		1	0	21.76	21.77	21.47	2	22		
		1	50	21.53	21.67	21.44	2	22		
		1	90	21.47	21.57	21.26	2	22		
		50	0	20.87	20.74	20.52	3	21		
		50	50	20.71	20.44	20.31	3	21		
		100	0	20.81	20.52	20.44	3	21		
40M		1	0	18.66	18.49	18.42	5	19		
		1	50	18.66	18.63	18.48	5	19		
		50	50	18.66	18.74	18.56	5	19		
		50	50	18.65	18.65	18.45	5	19		
		50	50	18.58	18.48	18.38	5	19		
		100	0	18.71	18.48	18.32	5	19		
E20M		Channel <td>1885</td> <td>1890</td> <td>1895</td> <td>1900</td> <td>1905</td> <td>1910</td> <td rowspan="10"></td> <td rowspan="10"></td>	1885	1890	1895	1900	1905	1910		
		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
OPSA		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
		50	0	21.76	21.76	21.68	2	22		
20M		50	0	21.76	21.76	21.68	2	22		
		50	50	21.76	21.59	21.41	2	22		
		50	50	21.75	21.53	21.44	2	22		
		100	0	21.79	21.59	21.52	2	22		
		1	0	21.76	21.77	21.47	2	22		
		1	50	21.53	21.67	21.44	2	22		
		1	90	21.47	21.57	21.26	2	22		
		50	0	20.87	20.74	20.52	3	21		
		50	50	20.71	20.44	20.31	3	21		
		100	0	20.81	20.52	20.44	3	21		
40M		1	0	18.66	18.49	18.42	5	19		
		1	50	18.66	18.63	18.48	5	19		
		50	50	18.66	18.74	18.56	5	19		
		50	50	18.65	18.65	18.45	5	19		
		50	50	18.58	18.48	18.38	5	19		
		100	0	18.71	18.48	18.32	5	19		
E20M		Channel <td>1885</td> <td>1890</td> <td>1895</td> <td>1900</td> <td>1905</td> <td>1910</td> <td rowspan="10"></td> <td rowspan="10"></td>	1885	1890	1895	1900	1905	1910		
		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
OPSA		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
		50	0	21.76	21.76	21.68	2	22		
20M		50	0	21.76	21.76	21.68	2	22		
		50	50	21.76	21.59	21.41	2	22		
		50	50	21.75	21.53	21.44	2	22		
		100	0	21.79	21.59	21.52	2	22		
		1	0	21.76	21.77	21.47	2	22		
		1	50	21.53	21.67	21.44	2	22		
		1	90	21.47	21.57	21.26	2	22		
		50	0	20.87	20.74	20.52	3	21		
		50	50	20.71	20.44	20.31	3	21		
		100	0	20.81	20.52	20.44	3	21		
40M		1	0	18.66	18.49	18.42	5	19		
		1	50	18.66	18.63	18.48	5	19		
		50	50	18.66	18.74	18.56	5	19		
		50	50	18.65	18.65	18.45	5	19		
		50	50	18.58	18.48	18.38	5	19		
		100	0	18.71	18.48	18.32	5	19		
E20M		Channel <td>1885</td> <td>1890</td> <td>1895</td> <td>1900</td> <td>1905</td> <td>1910</td> <td rowspan="10"></td> <td rowspan="10"></td>	1885	1890	1895	1900	1905	1910		
		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
OPSA		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
		50	0	21.76	21.76	21.68	2	22		
20M		50	0	21.76	21.76	21.68	2	22		
		50	50	21.76	21.59	21.41	2	22		
		50	50	21.75	21.53	21.44	2	22		
		100	0	21.79	21.59	21.52	2	22		
		1	0	21.76	21.77	21.47	2	22		
		1	50	21.53	21.67	21.44	2	22		
		1	90	21.47	21.57	21.26	2	22		
		50	0	20.87	20.74	20.52	3	21		
		50	50	20.71	20.44	20.31	3	21		
		100	0	20.81	20.52	20.44	3	21		
40M		1	0	18.66	18.49	18.42	5	19		
		1	50	18.66	18.63	18.48	5	19		
		50	50	18.66	18.74	18.56	5	19		
		50	50	18.65	18.65	18.45	5	19		
		50	50	18.58	18.48	18.38	5	19		
		100	0	18.71	18.48	18.32	5	19		
E20M		Channel <td>1885</td> <td>1890</td> <td>1895</td> <td>1900</td> <td>1905</td> <td>1910</td> <td rowspan="10"></td> <td rowspan="10"></td>	1885	1890	1895	1900	1905	1910		
		Frequency (MHz)	1885	1890	1895	1900	1905	1910		
		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
OPSA		1	0	23.72	23.76	23.80	0	24		
		1	50	23.52	23.66	23.68	0	24		
		1	90	23.14	23.34	23.38	1	24		
		50	0	22.66	22.68	22.68	1	23		
		50	50	22.51	22.52	22.52	1	23		
		100	0	22.53	22.56	22.41	1	23		
		100	0	22.64	22.65	22.65	1	23		
		1	50	22.73	22.65	22.48	1	23		
		1	90	22.74	22.63	22.48	1	23		
		50	0	21.76	21.76					

LTE Band 7 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max	Time-avg	Max
		Channel	Frequency (MHz)	2000	2100	2160	MPK (dB)	Time-avg (dB)		
20M	QPSK	1	0	21.10	20.81	20.91	0	21.5		
		1	50	20.80	20.75	20.83	0	21.5		
		1	99	20.70	20.64	20.73	0	21.5		
		50	0	19.94	19.91	19.93	1	20.5		
		50	50	19.71	19.69	19.80	1	20.5		
	16QAM	100	0	19.79	19.77	19.73	1	20.5		
		1	50	20.20	20.18	20.14	1	20.5		
		1	99	19.95	19.96	20.14	1	20.5		
		50	0	19.90	19.90	19.90	1	20.5		
		50	25	19.90	19.84	19.77	2	19.5		
20M	16QAM	100	0	19.75	19.70	19.80	2	19.5		
		50	0	19.87	19.81	19.90	2	19.5		
		1	50	19.26	19.09	19.90	2	19.5		
		1	99	19.70	19.88	19.97	2	19.5		
		50	0	19.11	17.70	17.89	3	18.5		
	64QAM	50	0	17.97	17.90	17.90	3	18.5		
		50	50	17.73	17.65	17.69	3	18.5		
		100	0	17.67	17.55	17.82	3	18.5		
		1	50	19.10	19.08	19.06	5	18.5		
		1	99	19.03	19.02	19.00	5	18.5		
20M	16QAM	1	99	19.77	19.97	19.91	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
	64QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19.84	5	18.5		
20M	16QAM	1	99	19.81	19.77	19.84	5	18.5		
		50	0	19.12	19.07	19.03	5	18.5		
		50	25	19.90	19.78	19.86	5	18.5		
		50	50	19.82	19.75	19.83	5	18.5		
		100	0	19.81	19.77	19				

LTE Band 14 (AxiD)									
BW	Modulation	RB Size	RB Offset	Mid	SDFP	Max. Throughput (Mbps)	SDFP	Max. Throughput (Mbps)	SDFP
		Channel	Channel	Channel					
10M	QPSK	Frequency (MHz)	780	2332	0	24	0	24	0
		1	0	23.33	0	24	0	24	0
		1	24	23.46	0	24	0	24	0
		1	48	23.42	0	24	0	24	0
		25	0	22.45	1	23	1	23	1
	16QAM	25	0	22.39	1	23	1	23	1
		25	25	22.39	1	23	1	23	1
		50	0	22.45	1	23	1	23	1
		50	25	22.45	1	23	1	23	1
		1	24	22.67	1	23	1	23	1
15M	QPSK	25	0	21.52	2	22	2	22	2
		25	12	21.40	2	22	2	22	2
		25	25	21.43	2	22	2	22	2
		50	0	21.45	2	22	2	22	2
		1	0	21.73	2	22	2	22	2
	16QAM	1	24	21.70	2	22	2	22	2
		1	48	21.64	2	22	2	22	2
		25	0	20.55	3	21	3	21	3
		25	12	20.40	3	21	3	21	3
		25	25	20.44	3	21	3	21	3
20M	QPSK	50	0	20.43	3	21	3	21	3
		1	24	18.59	5	19	5	19	5
		1	48	18.50	5	19	5	19	5
		25	0	18.53	5	19	5	19	5
		25	12	18.48	5	19	5	19	5
	16QAM	25	25	18.45	5	19	5	19	5
		50	0	18.59	5	19	5	19	5

LTE Band 25 (AxiD)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	Max. Throughput (Mbps)	SDFP
		Channel	Channel	Channel	Channel	Channel			
10M	QPSK	Frequency (MHz)	1885	1885	1885	1885	0	24	0
		1	0	23.77	23.50	23.40	0	24	0
		1	50	23.78	23.48	23.41	0	24	0
		1	100	23.75	23.42	23.35	0	24	0
		50	0	22.81	22.72	22.64	1	23	1
	16QAM	50	50	22.77	22.65	22.48	1	23	1
		100	0	22.78	22.67	22.47	1	23	1
		1	50	22.87	22.77	22.54	1	23	1
		1	99	22.89	22.73	22.53	1	23	1
		50	100	21.76	21.66	21.46	2	22	2
15M	QPSK	50	25	21.73	21.67	21.44	2	22	2
		50	50	21.57	21.61	21.42	2	22	2
		100	0	21.68	21.68	21.52	2	22	2
		1	0	21.84	21.86	21.85	2	22	2
		1	50	21.89	21.77	21.88	2	22	2
	16QAM	1	99	21.87	21.81	21.82	2	22	2
		50	0	20.89	20.79	20.88	3	21	3
		50	50	20.85	20.54	20.51	3	21	3
		100	0	20.83	20.59	20.52	3	21	3
		1	50	18.85	18.85	18.89	5	19	5
20M	QPSK	1	99	18.87	18.75	18.74	5	19	5
		50	0	18.86	18.73	18.71	5	19	5
		50	25	18.76	18.64	18.69	5	19	5
		50	50	18.85	18.66	18.54	5	19	5
		100	0	18.88	18.62	18.52	5	19	5
	16QAM	1	50	18.85	18.65	18.64	5	19	5
		1	99	18.87	18.75	18.74	5	19	5
		50	0	18.76	18.64	18.69	5	19	5
		50	25	18.76	18.64	18.69	5	19	5
		50	50	18.85	18.66	18.54	5	19	5
30M	QPSK	Channel	20815	20815	20815	20815	0	24	0
		Frequency (MHz)	1887.5	1885	1885	1885	0	24	0
		1	37	23.78	23.55	23.50	0	24	0
		1	74	23.68	23.53	23.48	0	24	0
		50	0	22.73	22.61	22.41	1	23	1
	16QAM	50	19	22.83	22.63	22.38	1	23	1
		36	36	22.86	22.44	22.41	1	23	1
		75	0	21.75	22.47	22.44	1	23	1
		1	0	22.79	22.60	22.68	1	23	1
		1	37	22.74	22.68	22.48	1	23	1
40M	QPSK	74	24	22.77	22.65	22.41	1	23	1
		36	0	21.70	21.53	21.38	2	22	2
		36	19	21.46	21.43	21.43	2	22	2
		36	36	21.49	21.48	21.40	2	22	2
		75	0	21.47	21.41	21.19	2	22	2
	16QAM	1	37	21.79	21.74	21.58	2	22	2
		1	74	21.76	21.53	21.58	2	22	2
		50	0	20.76	20.66	20.39	3	21	3
		36	19	20.71	20.51	20.44	3	21	3
		36	36	20.50	20.47	20.49	3	21	3
50M	QPSK	50	0	20.81	20.69	20.39	3	21	3
		75	0	18.71	18.65	18.73	5	19	5
		1	74	18.76	18.71	18.73	5	19	5
		36	0	18.79	18.70	18.68	5	19	5
		36	19	18.75	18.65	18.66	5	19	5
	16QAM	36	36	18.59	18.47	18.52	5	19	5
		75	0	18.58	18.46	18.40	5	19	5

LTE Band 26 (AxiD)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SDFP	NPR	Max. Throughput (Mbps)	SDFP	
		Channel	Channel	Channel	Channel	Channel					
10M	QPSK	Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
		1	0	22.86	22.88	22.93	0	24	0	24	
		1	37	22.82	22.82	22.87	0	24	0	24	
		1	74	22.88	22.82	22.87	0	24	0	24	
		36	0	21.89	22.01	22.25	1	23	1	23	
	16QAM	36	19	21.97	22.13	22.39	1	23	1	23	
		75	0	22.01	22.15	22.39	1	23	1	23	
		1	37	22.07	22.27	22.52	1	23	1	23	
		1	74	22.12	22.25	22.58	1	23	1	23	
		36	19	21.90	21.94	21.98	2	22	2	22	
15M	QPSK	36	19	21.86	21.86	21.86	2	22	2	22	
		1	37	21.85	21.71	21.44	2	22	2	22	
		1	74	20.88	21.07	21.45	2	22	2	22	
		36	0	19.99	20.06	20.33	3	21	3	21	
		36	19	20.06	20.14	20.46	3	21	3	21	
	16QAM	75	0	20.02	20.12	20.37	3	21	3	21	
		1	37	17.94	18.13	18.37	5	19	5	19	
		1	74	18.07	18.43	18.50	5	19	5	19	
		36	19	17.91	18.08	18.31	5	19	5	19	
		36	19	17.96	18.01	18.37	5	19	5	19	
20M	QPSK	36	36	18.90	18.90	18.90	5	19	5	19	
		75	0	18.92	18.80	18.55	5	19	5	19	
		1	37	18.91	18.79	18.51	5	19	5	19	
		1	74	18.87	18.43	18.50	5	19	5	19	
		36	19	18.86	18.86	18.86	5	19	5	19	
	16QAM	36	36	18.86	18.86	18.86	5	19	5	19	
		75	0	17.92	17.98	18.26	5	19	5	19	
		1	37	17.95	18.05	18.30	5	19	5	19	
		1	74	17.92	17.98	18.26	5	19	5	19	
		36	19	17.92	17.98	18.26	5	19	5	19	
30M	QPSK	Channel	2615	2615	2615	2615	0	24	0	24	
		Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
		1	0	22.86	22.82	22.87	0	24	0	24	
		1	49	22.86	22.54	22.19	0	24	0	24	
		25	0	21.85	22.04	22.33	1	23	1	23	
	16QAM	25	25	21.88	22.08	22.41	1	23	1	23	
		50	0	21.92	22.06	22.24	1	23	1	23	
		1	0	22.02	22.13	22.27	1	23	1	23	
		1	24	22.02	22.19	22.41	1	23	1	23	
		25	0	20.89	20.88	20.88	2	22	2	22	
40M	QPSK	25	12	20.86	20.84	20.84	2	22	2	22	
		50	0	19.97	19.97	19.97	3	21	3	21	
		1	0	17.92	18.08	18.08	5	19	5	19	
		1	24	17.94	18.04	18.04	5	19	5	19	
		1	49	17.92	18.41	18.43	5	19	5	19	
	16QAM	25	0	17.92	17.98	18.26	5	19	5	19	
		25	12	17.92	17.98	18.26	5	19	5	19	
		25	25	17.92	17.98	18.26	5	19	5	19	
		50	0	17.92	17.98	18.26	5	19	5	19	
		50	0	16.97	16.97	16.97	6	18	6	18	
50M	QPSK	Channel	2615	2615	2615	2615	0	24	0	24	
		Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
		1	0	22.86	22.82	22.87	0	24	0	24	
		1	12	22.87	22.58	22.25	0	24	0	24	
		1	24	22.88	22.56	22.26	0	24	0	24	
	16QAM	12	0	21.87	22.03	22.30	1	23	1	23	
		12	12	21.88	22.02	22.33	1	23	1	23	
		12	13	21.96	22.13	22.38	1	23	1	23	
		25	0	20.88	21.05	21.32	2	22	2	22	
		25	0	20.88	21.07	21.26	2	22	2	22	
60M	QPSK	1	12	20.84	20.89	21.11	2	22	2	22	
		1	24	20.91	21.14	21.42	2	22	2	22	
		1	36	20.94	20.97	21.05	2	22	2	22	
		12	0	19.99	20.02	20.02	3	21	3	21	
		12	13	19.96	20.13	20.43	3	21	3	21	
	16QAM	36	0	19.98	20.02	20.02	3	21	3	21	
		1	0	17.97	18.10	18.19	5	19	5	19	
		1	12	17.87	18.06	18.29	5	19	5	19	
		1	24	17.86	18.01	18.25	5	19	5	19	
		12	0	17.82	18.00	18.29	5	19	5	19	
70M	QPSK	12	6	17.89	17.87	17.89	5	19	5	19	
		12	13	17.87	17.88	17.91	5	19	5	19	
		25	0	17.96	18.17	18.22	5	19	5	19	
		Channel	2615	2615	2615	2615	0	24	0	24	
		Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
	10M	QPSK	1	0	22.75	22.85	23.07	0	24	0	24
			1	7	22.72	22.87	23.24	0	24	0	24
			1	14	22.68	22.92	23.31	0	24	0	24
			8	3	21.80	22.00	22.24	1	23	1	23
			8	3	21.82	22.11	22.25	1	23	1	23
16QAM		8	3	21.84	22.12	22.27	1	23	1	23	
		15	0	21.84	22.03	22.26	1	23	1	23	
		1	0	21.95	22.07	22.28	1	23	1	23	
		1	21.87	22.05	22.25	1	23	1	23		
		1	14	21.87	22.09	22.52	1	23	1	23	
15M	QPSK	8	0	20.83	20.80	21.00	2	22	2	22	
		8	3	19.91	19.89	19.97	3	21	3	21	
		8	7	20.88	21.09	21.38	2	22	2	22	
		15	0	20.83	21.13	21.26	2	22	2	22	
		8	7	20.86	21.05	21.24	2	22	2	22	
	16QAM	1	7	20.88	20.98	21.42	2	22	2	22	
		1	14	20.89	21.09	21.38	2	22	2	22	
		8	0	19.91	19.89	19.97	3	21	3	21	
		8	3	19.86	20.08	20.24	3	21	3	21	
		8	7	19.84	20.01	20.42	3	21	3	21	
20M	QPSK	1	0	17.84	17.88	18.20	5	19	5	19	
		1	7	17.86	18.10	18.27	5	19	5	19	
		1	14	17.86	18.47	18.36	5	19	5	19	
		8	0	17.89	18.05	18.25	5	19	5	19	
		12	3	17.82	17.88	18.32	5	19	5	19	
	16QAM	8	7	17.89	18.08	18.40	5	19	5	19	
		15	0	17.88	18.05	18.26	5	19	5	19	
		Channel	2615	2615	2615	2615	0	24	0	24	
		Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
		1	0	22.86	22.82	22.87	0	24	0	24	
30M	QPSK	1	0	22.72	22.89	23.31	0	24	0	24	
		1	7	22.62	22.99	23.59	0	24	0	24	
		1	14	22.68	23.03	23.81	0	24	0	24	
		3	0	22.83	22.79	23.04	0	24	0	24	
		3	3	22.81	23.02	23.23	0	24	0	24	
	16QAM	6	0	21.83	22.05	22.28	1	23	1	23	
		3	0	20.85	20.99	21.17	1	23	1	23	
		1	2	20.86	22.17	22.41	1	23	1	23	
		1	5	20.85	22.05	22.66	1	23	1	23	
		3	0	20.81	20.99	21.17	1	23	1	23	
40M	QPSK	3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
	16QAM	3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
		3	1	21.56	22.13	22.68	1	23	1	23	
50M	QPSK	Channel	2615	2615	2615	2615	0	24	0	24	
		Frequency (MHz)	2615	2615	2615	2615	0	24	0	24	
		1	0	22.86	22.82	22.87	0	24	0	24	
		1	7	22.82	22.82	22.87	0	24	0	24	
		1	14	22.88	22.82	22.87	0	24	0	24	
	16QAM	36	0	21.89	22.01	22.25	1	23	1	23	
		75	0	22.01	22.15	22.39	1	23	1	23	
		1	37	22.07	22.27	22.52	1	23	1	23	
		1	74	22.12	22.25	22.58	1	23	1	23	
		36	19	21.90	21.94	21.98	2	22	2	22	
60M	QPSK	36	19	21.86	21.86	21.86	2	22	2	22	
		1	37	21.85	21.71	21.44	2	22	2	22	
		1	74	20.88	21.07	21.45	2	22	2	22	
		36	0	19.99	20.06	20.33	3	21	3	21	
		36	19	20.06	20.14	20.46	3	21	3	21	
	16QAM	75	0	20.02	20.12	20.37	3	21	3	21	
		1	37	17.94	18.13	18.37	5	19	5	19	
		1	74	18.07	18.43	18.50	5	19	5	19	
		36	19	17.91	18.08	18.31	5	19	5	19	
		36	19	17.96	18.01	18.37	5	19	5	19	
70M	QPSK	36	36	18.90	18.90	18.90	5	19	5	19	
		75	0	18.92	18.80	18.55	5	19	5	19	
		1	37	18.91	18.79	18.51	5	19	5	19	
		1	74	18.87	18.43	18.50	5	19	5	19	
		36	19	18.86	18.86	18.86	5	19	5	19	
	16QAM	36	36	18.86	18.86	18.86	5	19	5	19	
		75	0	17.92	17.98	18.26	5	19	5	19	
		1	37	17.95	18.05	18.30	5	19	5	19	
		1	74	17.92	17.98	18.26	5	19	5	19	
		36	19	17.92	17.98	18.26	5	19	5	19	

LTE Band 26 for FCC (Ant)										
BW	MCS Index	RB Size	RB Offset	Mid	SCPF MPR (dB)	Max. Time-adj. (dB)				
		Channel	Frequency (MHz)	2615						
GSM	QPSK	1	0	22.98	0.24	0	24			
		1	24	23.04	0.24	0	24			
		1	48	23.10	0.24	0	24			
		25	0	22.92	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
		25	25	23.02	0.24	1	23			
10M	16QAM	1	0	21.06	2	22				
		1	24	21.12	2	22				
		1	48	21.18	2	22				
		25	0	21.00	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
		25	25	21.10	2	21				
20M	64QAM	1	0	21.21	2	22				
		1	24	21.27	2	22				
		1	48	21.36	2	22				
		25	0	21.06	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
		25	25	21.16	2	21				
250M	256QAM	1	0	20.06	3	21				
		1	24	20.12	3	21				
		1	48	20.23	3	19				
		25	0	20.00	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
		25	25	20.10	3	19				
BW	MCS Index	Channel	Frequency (MHz)	2615	2616	2617	SCPF MPR (dB)	Max. Time-adj. (dB)		
		Frequency (MHz)	2615	2616	2617	2618	2619	2620	2621	
GSM	QPSK	1	12	22.98	23.01	23.03	0	24		
		1	24	23.02	23.06	23.09	0	24		
		1	48	23.14	23.17	23.20	0	24		
		12	6	22.61	22.68	22.75	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
		12	12	22.60	22.63	22.66	1	23		
10M	16QAM	1	0	21.08	21.11	21.14	1	23		
		1	24	21.12	21.15	21.18	1	23		
		1	48	21.20	21.23	21.26	1	23		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
		12	0	20.87	20.92	20.97	2	22		
20M	64QAM	1	0	21.09	21.12	21.15	2	22		
		1	24	21.13	21.16	21.19	2	22		
		1	48	21.21	21.24	21.27	2	22		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
		12	0	20.90	20.95	21.00	3	21		
250M	256QAM	1	0	20.08	20.10	20.12	3	21		
		1	24	20.12	20.14	20.16	3	21		
		1	48	20.18	20.20	20.22	3	19		
		25	0	20.06	20.08	20.10	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		
		25	25	20.08	20.10	20.12	3	19		

LTE Band 26 for ICAPCC(Ant)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF MPR (dB)	Max. Time-adj. (dB)			
		Channel	Frequency (MHz)	2685	2685	2685					
GSM	QPSK	1	0	22.94	22.93	23.13	0	24			
		1	37	23.02	23.13	23.27	0	24			
		1	74	23.15	23.26	23.41	0	24			
		36	0	22.91	22.91	22.91	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
		36	36	23.13	23.20	23.43	1	23			
10M	16QAM	1	0	21.08	21.17	21.24	2	22			
		1	37	21.19	21.20	21.44	2	22			
		1	74	21.27	21.32	21.46	2	22			
		36	0	20.86	20.86	20.86	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
20M	64QAM	1	0	21.08	21.17	21.24	2	22			
		1	37	21.19	21.20	21.44	2	22			
		1	74	21.27	21.32	21.46	2	22			
		36	0	20.86	20.86	20.86	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
		36	36	21.13	21.33	21.46	2	21			
250M	256QAM	1	0	20.12	20.21	20.37	3	21			
		1	37	20.13	20.25	20.37	3	19			
		1	74	20.23	20.34	20.45	3	19			
		36	0	19.93	19.93	19.93	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
		36	36	20.13	20.24	20.37	3	19			
BW	Modulation	Channel	2685	2685	2685	SCPF MPR (dB)	Max. Time-adj. (dB)				
		Frequency (MHz)	22.94	22.93	23.13	0	24				
		1	24	22.94	22.98	23.25	0	24			
		12	23.02	23.13	23.27	1	23				
		25	0	21.02	21.08	21.28	1	23			
		25	12	22.99	22.93	22.93	1	23			
		25	25	23.05	23.20	23.37	1	23			
		36	0	22.12	22.31	22.36	1	23			
		1	0	22.07	22.14	22.30	1	23			
		1	24	22.25	22.35	22.44	1	23			
		1	49	22.18	22.35	22.57	1	23			
		25	12	21.10	21.16	21.26	1	23			
25	12	21.10	21.16	21.31	1	23					
25	25	21.22	21.26	21.36	2	22					
25	25	21.26	21.33	21.44	2	22					
36	0	20.97	21.08	21.13	2	22					
36	1	24	21.03	21.13	21.24	2	22				
36	49	21.08	21.22	21.32	2	22					
40	25	0	19.87	19.97	20.26	3	21				
40	25	12	20.07	20.14	20.27	3	21				
40	25	25	20.03	20.17	20.34	3	21				
50	0	19.88	20.08	20.30	3	21					
1	24	19.99	20.17	20.31	5	19					
1	49	19.35	19.48	19.48	5	19					
5	0	18.16	18.21	18.21	5	19					
5	25	17.93	18.12	18.29	5	19					
25	25	18.01	18.33	18.33	5	19					
5	0	18.16	18.31	18.31	5	19					
BW	Modulation	Channel	2685	2685	2685	SCPF MPR (dB)	Max. Time-adj. (dB)				
		Frequency (MHz)	22.94	22.93	23.13	0	24				
		1	24	22.94	22.98	23.24	0	24			
		12	23.02	23.13	23.28	0	24				
		12	0	21.01	21.02	21.23	1	23			
		12	12	22.93	23.01	23.28	1	23			
		12	12	22.93	23.01	23.28	1	23			
		1	0	22.02	22.15	22.34	1	23			
		1	12	22.25	22.36	22.49	1	23			
		1	24	22.28	22.39	22.54	1	23			
		12	0	21.02	21.09	21.37	2	22			
		12	12	21.06	21.14	21.37	2	22			
25	0	21.01	21.07	21.29	2	22					
25	0	21.06	21.10	21.11	2	22					
1	12	21.21	21.18	21.30	2	22					
1	24	21.07	21.20	21.37	2	22					
10	0	20.99	21.02	21.09	2	22					
12	6	20.95	20.93	20.98	3	21					
12	13	20.10	20.25	20.34	3	21					
12	0	20.16	20.18	20.22	3	21					
1	0	18.10	18.26	18.12	5	19					
1	24	18.33	18.52	18.35	5	19					
12	0	17.98	17.98	18.23	5	19					
12	6	17.99	18.22	18.22	5	19					
12	13	17.99	18.26	18.31	5	19					
25	0	18.17	18.16	18.26	5	19					
BW	Modulation	Channel	2685	2685	2685	SCPF MPR (dB)	Max. Time-adj. (dB)				
		Frequency (MHz)	22.94	22.93	23.13	0	24				
		1	0	22.90	22.87	23.03	0	24			
		1	7	22.91	22.91	23.03	0	24			
		1	14	23.05	23.17	23.30	0	24			
		36	0	21.86	21.84	22.04	1	23			
		36	7	21.95	21.95	22.10	1	23			
		8	7	22.10	22.15	22.41	1	23			
		10	0	22.00	22.01	22.28	1	23			
		10	9	22.15	22.20	22.38	1	23			
		1	7	22.22	22.24	22.50	1	23			
		14	0	22.04	22.04	22.26	1	23			
10M	16QAM	8	0	21.02	21.12	21.18	2	22			
8		3	21.05	21.04	21.28	2	22				
8		7	21.02	21.05	21.33	2	22				
10		0	21.06	21.10	21.28	2	22				
1		0	21.05	21.16	21.19	2	22				
1		7	21.06	21.12	21.33	2	22				
1		14	21.06	21.20	21.33	2	22				
8		0	19.99	20.09	20.26	3	21				
8		3	20.01	20.04	20.28	3	21				
8		7	20.07	20.24	20.44	3	21				
8		24	20.03	20.16	20.34	3	21				
8		0	18.10	18.05	18.15	5	19				
250M	256QAM	1	7	18.07	18.16	18.31	5	19			
		1	14	18.17	18.40	18.46	5	19			
		8	0	18.07	18.03	18.29	5	19			
		8	3	17.97	18.10	18.33	5	19			
		8	10	18.09	18.28	18.37	5	19			
		15	0	18.16	18.21	18.32	5	19			
		BW	Modulation	Channel	2685	2685	2685	SCPF MPR (dB)	Max. Time-adj. (dB)		
				Frequency (MHz)	22.94	22.93	23.13	0	24		
				1	0	22.94	22.98	23.29	0	24	
				1	2	22.90	22.95	23.21	0	24	
				3	0	22.83	22.87	23.18	0	24	
				3	1	22.85	22.87	23.17	0	24	
3	2			22.89	22.98	23.23	0	24			
6	0			22.03	22.07	22.38	1	23			
1	0			22.07	22.16	22.25	1	23			
1	24			22.21	22.24	22.41	1	23			
1	5			22.15	22.28	22.34	1	23			
10M	16QAM			0	0	21.02	21.12	21.18	2	22	
1		2	21.01	21.13	21.27	2	22				
1		5	21.15	21.23	21.33	2	22				
3		0	20.96	21.08	21.09	2	22				
3		1	20.97	21.07	21.29	2	22				
3		2	21.04	21.03	21.28	2	22				
8		0	20.06	20.18	20.28	3	21				
8		1	20.04	20.03	20.27	3	21				
1		2	18.09	18.22	18.27	5	19				
1		5	18.32	18.40	18.45	5	19				
3		1	17.87	18.13	18.24	5	19				
3		3	18.11	18.39	18.36	5	19				

LTE Band 38 (Anno)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Turn-off	Max. Turn-off
		Channel	2500	2500	2500	2500	2500	2500	2500
20M	QPSK	1	0	23.95	23.95	23.95	0	24.5	0
		1	50	23.92	23.75	23.76	0	24.5	0
		1	99	23.92	23.92	23.92	0	24.5	0
		50	0	23.95	22.97	22.91	1	23.5	0
		50	50	23.94	22.77	22.82	1	23.5	0
	16QAM	100	0	22.85	22.82	22.87	1	23.5	0
		1	50	22.92	22.88	22.83	1	23.5	0
		1	99	22.77	22.62	22.68	1	23.5	0
		50	0	23.92	21.95	21.83	2	22.5	0
		50	25	21.95	21.87	21.91	2	22.5	0
20M	64QAM	1	0	21.86	21.81	21.85	2	22.5	0
		1	50	21.84	20.98	20.92	3	21.5	0
		1	99	20.97	20.85	20.90	3	21.5	0
		50	0	20.97	20.78	20.78	3	21.5	0
		100	0	20.85	20.88	20.88	3	21.5	0
	256QAM	1	0	18.81	18.82	18.83	5	19.5	0
		1	99	18.80	18.66	18.77	5	19.5	0
		50	0	18.80	18.66	18.66	5	19.5	0
		50	25	18.80	18.66	18.78	5	19.5	0
		100	0	18.81	18.79	18.78	5	19.5	0
20M	QPSK	1	0	23.95	23.95	23.95	0	24.5	0
		1	50	23.92	23.75	23.76	0	24.5	0
		1	99	23.92	23.92	23.92	0	24.5	0
		50	0	23.95	22.97	22.88	1	23.5	0
		50	50	23.94	22.77	22.82	1	23.5	0
	16QAM	100	0	22.85	22.82	22.87	1	23.5	0
		1	50	22.92	22.88	22.83	1	23.5	0
		1	99	22.77	22.62	22.68	1	23.5	0
		50	0	23.92	21.95	21.83	2	22.5	0
		50	25	21.95	21.87	21.91	2	22.5	0
20M	64QAM	1	0	21.86	21.81	21.85	2	22.5	0
		1	50	21.84	20.98	20.92	3	21.5	0
		1	99	20.97	20.85	20.90	3	21.5	0
		50	0	20.97	20.78	20.78	3	21.5	0
		100	0	20.85	20.88	20.88	3	21.5	0
	256QAM	1	0	18.81	18.82	18.83	5	19.5	0
		1	99	18.80	18.66	18.77	5	19.5	0
		50	0	18.80	18.66	18.66	5	19.5	0
		50	25	18.80	18.66	18.78	5	19.5	0
		100	0	18.81	18.79	18.78	5	19.5	0
20M	QPSK	1	0	23.95	23.95	23.95	0	24.5	0
		1	50	23.92	23.75	23.76	0	24.5	0
		1	99	23.92	23.92	23.92	0	24.5	0
		50	0	23.95	22.97	22.88	1	23.5	0
		50	50	23.94	22.77	22.82	1	23.5	0
	16QAM	100	0	22.85	22.82	22.87	1	23.5	0
		1	50	22.92	22.88	22.83	1	23.5	0
		1	99	22.77	22.62	22.68	1	23.5	0
		50	0	23.92	21.95	21.83	2	22.5	0
		50	25	21.95	21.87	21.91	2	22.5	0
20M	64QAM	1	0	21.86	21.81	21.85	2	22.5	0
		1	50	21.84	20.98	20.92	3	21.5	0
		1	99	20.97	20.85	20.90	3	21.5	0
		50	0	20.97	20.78	20.78	3	21.5	0
		100	0	20.85	20.88	20.88	3	21.5	0
	256QAM	1	0	18.81	18.82	18.83	5	19.5	0
		1	99	18.80	18.66	18.77	5	19.5	0
		50	0	18.80	18.66	18.66	5	19.5	0
		50	25	18.80	18.66	18.78	5	19.5	0
		100	0	18.81	18.79	18.78	5	19.5	0

LTE Band 41 (2400 – 2600MHz) PC3 (Anno)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Turn-off	Max. Turn-off
		Channel	2500	2500	2500	2500	2500	2500	2500
20M	QPSK	1	0	22.24	22.43	22.48	22.21	22.86	0
		1	50	22.19	22.40	22.38	22.13	22.52	0
		1	99	22.13	22.34	22.29	22.19	22.59	0
		50	0	21.26	21.47	21.51	21.21	21.62	1
		50	50	21.26	21.47	21.51	21.30	21.60	1
	16QAM	100	0	21.29	21.42	21.38	21.26	21.56	1
		1	50	21.30	21.45	21.42	21.25	21.55	1
		1	99	21.17	21.30	21.30	21.10	21.51	1
		1	99	21.08	21.28	21.30	21.23	21.44	1
		50	0	20.26	20.43	20.43	20.01	20.43	2
20M	64QAM	1	0	20.32	20.45	20.50	20.35	20.65	2
		1	50	20.30	20.47	20.45	20.32	20.61	2
		1	99	20.19	20.40	20.38	20.27	20.58	2
		50	0	19.21	19.42	19.51	19.18	19.59	3
		50	50	19.21	19.42	19.51	19.40	19.69	3
	256QAM	100	0	19.26	19.38	19.39	19.26	19.35	3
		1	0	17.18	17.43	17.42	17.15	17.63	5
		1	99	17.37	17.44	17.44	17.18	17.40	5
		1	99	17.23	17.38	17.37	17.28	17.58	5
		50	0	17.24	17.40	17.39	17.22	17.63	5
20M	QPSK	1	0	22.24	22.43	22.48	22.21	22.86	0
		1	50	22.19	22.40	22.38	22.13	22.52	0
		1	99	22.13	22.34	22.29	22.19	22.59	0
		50	0	21.26	21.47	21.51	21.21	21.62	1
		50	50	21.26	21.47	21.51	21.30	21.60	1
	16QAM	100	0	21.29	21.42	21.38	21.26	21.56	1
		1	50	21.30	21.45	21.42	21.25	21.55	1
		1	99	21.17	21.30	21.30	21.10	21.51	1
		1	99	21.08	21.28	21.30	21.23	21.44	1
		50	0	20.26	20.43	20.43	20.01	20.43	2
20M	64QAM	1	0	20.32	20.45	20.50	20.35	20.65	2
		1	50	20.30	20.47	20.45	20.32	20.61	2
		1	99	20.19	20.40	20.38	20.27	20.58	2
		50	0	19.21	19.42	19.51	19.18	19.59	3
		50	50	19.21	19.42	19.51	19.40	19.69	3
	256QAM	100	0	19.26	19.38	19.39	19.26	19.35	3
		1	0	17.18	17.43	17.42	17.15	17.63	5
		1	99	17.37	17.44	17.44	17.18	17.40	5
		1	99	17.23	17.38	17.37	17.28	17.58	5
		50	0	17.24	17.40	17.39	17.22	17.63	5
20M	QPSK	1	0	22.24	22.43	22.48	22.21	22.86	0
		1	50	22.19	22.40	22.38	22.13	22.52	0
		1	99	22.13	22.34	22.29	22.19	22.59	0
		50	0	21.26	21.47	21.51	21.21	21.62	1
		50	50	21.26	21.47	21.51	21.30	21.60	1
	16QAM	100	0	21.29	21.42	21.38	21.26	21.56	1
		1	50	21.30	21.45	21.42	21.25	21.55	1
		1	99	21.17	21.30	21.30	21.10	21.51	1
		1	99	21.08	21.28	21.30	21.23	21.44	1
		50	0	20.26	20.43	20.43	20.01	20.43	2
20M	64QAM	1	0	20.32	20.45	20.50	20.35	20.65	2
		1	50	20.30	20.47	20.45	20.32	20.61	2
		1	99	20.19	20.40	20.38	20.27	20.58	2
		50	0	19.21	19.42	19.51	19.18	19.59	3
		50	50	19.21	19.42	19.51	19.40	19.69	3
	256QAM	100	0	19.26	19.38	19.39	19.26	19.35	3
		1	0	17.18	17.43	17.42	17.15	17.63	5
		1	99	17.37	17.44	17.44	17.18	17.40	5
		1	99	17.23	17.38	17.37	17.28	17.58	5
		50	0	17.24	17.40	17.39	17.22	17.63	5

LTE Band 41 (2400 – 2600MHz) PC2 (Anno)													
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Turn-off	Max. Turn-off	RB Size	RB Offset	Low	
		Channel	2500	2500	2500	2500	2500	2500	2500				
20M	QPSK	1	0	24.76	24.78	24.85	24.59	25.19	0	26		24.76	
		50	24.76	24.75	24.83	24.51	25.09	24.48	0	26		24.76	
		1	99	24.67	24.62	24.78	24.37	25.14	0	26		24.67	
		50	0	23.89	23.81	24.01	23.63	24.18	23.54	0	26		23.89
100M	16QAM	1	0	24.75	24.76	24.81	24.59	25.19	0	26		24.75	
		1	50	24.67	24.68	24.84	24.38	25.14	24.34	0	26		24.67
		50	25	22.99	22.92	23.24	22.69	23.28	22.24	0	26		22.99
		50	25	22.91	22.87	23.20	22.65	23.24	22.19	0	26		22.91
60M	16QAM	1	0	24.74	24.75	24.81	24.59	25.19	0	26		24.74	
		1	99	23.99	23.95	24.28	23.70	24.38	23.54	0	26		23.99
		1	99	23.99	23.95	24.28	23.70	24.38	23.54	0	26		23.99
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
60M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
100M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
200M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		1	50	25.19	25.22	25.38	25.17	25.77	25.04	0	26		25.19
		50	25	21.97	21.81	22.15	21.73	22.27	21.3	0	26		21.97
300M	16QAM	1	0	25.19	25.22	25.38	25.17	25.77	0	26		25.19	
		1	50	25.19	25.22	25.38	25.17	2					

LTE Band 42 Part270 (Ant7)											
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	SCPF	Max.	Turn-up	MPE	Max. Turn-up
		Channel	4200	4200	4200	4200	MPE	MPE			
OVSF		1	0	23.78	23.78	23.81	0	24.5			
		1	50	23.57	23.74	23.83	0	24.5			
		1	99	23.63	23.80	23.48	0	24.5			
		50	0	22.80	22.79	22.77	1	23.5			
		50	50	22.80	22.75	22.68	1	23.5			
		100	0	22.74	22.73	22.68	1	23.5			
		1	50	22.85	22.79	22.74	1	23.5			
		1	99	22.94	22.75	22.35	1	23.5			
		50	0	21.64	21.70	21.76	2	22.5			
		50	50	21.62	21.67	21.67	2	22.5			
10QAM		1	0	21.58	21.72	21.71	2	22.5			
		1	50	21.48	21.84	21.81	2	22.5			
		1	99	21.43	21.71	21.52	2	22.5			
		50	0	20.36	20.21	20.09	3	21.5			
		50	50	20.39	20.74	20.73	3	21.5			
		100	0	20.63	20.63	20.69	3	21.5			
		1	50	18.84	18.88	18.89	5	19.5			
		1	99	18.91	18.84	18.88	5	19.5			
		50	0	18.90	18.88	18.83	5	19.5			
		50	50	18.92	18.96	18.87	5	19.5			
20QAM		1	0	18.90	18.94	18.94	5	19.5			
		1	50	18.84	18.88	18.89	5	19.5			
		1	99	18.91	18.84	18.88	5	19.5			
		50	0	18.90	18.88	18.83	5	19.5			
		50	50	18.92	18.96	18.87	5	19.5			
		100	0	18.90	18.94	18.94	5	19.5			
		1	50	18.84	18.88	18.89	5	19.5			
		1	99	18.91	18.84	18.88	5	19.5			
		50	0	18.90	18.88	18.83	5	19.5			
		50	50	18.92	18.96	18.87	5	19.5			
BW	MCS Index	Channel	4200	4200	4200	4200	SCPF	Max.	Turn-up	MPE	Max. Turn-up
		Frequency (MHz)	3600	3600	3600	3600	MPE	MPE			
		1	0	23.78	23.72	23.48	0	24.5			
		1	74	23.82	23.55	23.40	0	24.5			
		36	0	22.81	22.73	22.64	1	23.5			
		36	19	22.86	22.81	22.85	1	23.5			
		36	39	22.93	22.74	22.81	1	23.5			
		75	0	22.80	22.80	22.80	1	23.5			
		1	0	22.61	22.69	22.72	1	23.5			
		1	37	22.63	22.76	22.42	1	23.5			
		36	0	22.61	22.61	22.32	1	23.5			
10QAM		1	0	21.66	21.76	21.74	2	22.5			
		1	37	22.59	22.60	22.60	2	22.5			
		36	0	20.36	20.36	20.36	3	21.5			
		36	19	20.39	20.74	20.73	3	21.5			
		75	0	20.63	20.63	20.69	3	21.5			
		1	0	18.89	18.79	18.78	5	19.5			
		1	74	18.85	18.79	18.58	5	19.5			
		36	0	18.82	18.84	18.83	5	19.5			
		36	19	18.86	18.86	18.86	5	19.5			
		36	39	18.86	18.90	18.72	5	19.5			
20QAM		75	0	18.91	18.85	18.82	5	19.5			
		1	0	18.86	18.80	18.85	5	19.5			
		1	37	17.42	17.40	17.55	2	22.5			
		1	74	17.37	17.53	17.48	2	22.5			
		36	0	16.84	16.82	16.84	3	21.5			
		36	19	16.87	16.71	16.88	3	21.5			
		36	39	16.89	16.80	16.80	3	21.5			
		75	0	16.82	16.82	16.82	3	21.5			
		1	0	15.89	15.79	15.78	5	19.5			
		1	74	15.85	15.79	15.58	5	19.5			
BW	MCS Index	Channel	4200	4200	4200	4200	SCPF	Max.	Turn-up	MPE	Max. Turn-up
		Frequency (MHz)	3600	3600	3600	3600	MPE	MPE			
		1	0	23.71	23.62	23.46	0	24.5			
		1	24	23.65	23.57	23.31	0	24.5			
		1	49	23.58	23.46	23.38	0	24.5			
		25	0	22.67	22.72	22.76	1	23.5			
		25	25	22.66	22.66	22.66	1	23.5			
		25	25	22.67	22.71	22.58	1	23.5			
		50	0	22.43	22.65	22.56	1	23.5			
		1	0	22.28	22.28	22.28	1	23.5			
		1	24	22.58	22.74	22.39	1	23.5			
10QAM		1	0	21.69	21.71	21.71	2	22.5			
		1	49	22.59	22.86	22.90	1	23.5			
		25	0	21.67	21.77	21.74	2	22.5			
		25	12	21.69	21.71	21.71	2	22.5			
		25	25	21.67	21.76	21.62	2	22.5			
		50	0	21.63	21.69	21.69	2	22.5			
		1	0	21.54	21.61	21.70	2	22.5			
		1	24	21.53	21.75	21.46	2	22.5			
		1	49	21.56	21.62	21.57	2	22.5			
		25	0	20.58	20.76	20.57	3	21.5			
10QAM		25	12	20.52	20.67	20.64	3	21.5			
		25	25	20.60	20.74	20.62	3	21.5			
		50	0	20.53	20.61	20.57	3	21.5			
		1	0	18.86	18.80	18.85	5	19.5			
		1	24	18.71	18.73	18.88	5	19.5			
		1	49	18.81	18.82	18.65	5	19.5			
		25	0	18.83	18.80	18.89	5	19.5			
		25	12	18.81	18.89	18.80	5	19.5			
		25	25	18.90	18.94	18.76	5	19.5			
		50	0	18.84	18.75	18.85	5	19.5			
BW	MCS Index	Channel	4200	4200	4200	4200	SCPF	Max.	Turn-up	MPE	Max. Turn-up
		Frequency (MHz)	3600	3600	3600	3600	MPE	MPE			
		1	0	23.72	23.59	23.58	0	24.5			
		1	12	23.46	23.63	23.39	0	24.5			
		1	24	23.58	23.57	23.31	0	24.5			
		12	0	22.75	22.72	22.74	1	23.5			
		12	6	22.63	22.69	22.80	1	23.5			
		12	13	22.54	22.67	22.63	1	23.5			
		25	0	22.62	22.63	22.58	1	23.5			
		1	0	22.67	22.69	22.58	1	23.5			
		1	12	22.58	22.71	22.49	1	23.5			
10QAM		1	0	21.64	21.76	21.67	2	22.5			
		1	24	22.54	22.67	22.39	1	23.5			
		12	0	21.57	21.65	21.74	2	22.5			
		12	6	21.62	21.78	21.67	2	22.5			
		12	13	21.61	21.76	21.66	2	22.5			
		25	0	21.49	21.60	21.62	2	22.5			
		1	0	21.48	21.67	21.58	2	22.5			
		1	12	21.41	21.77	21.48	2	22.5			
		1	24	21.40	21.65	21.44	2	22.5			
		12	0	20.58	20.80	20.64	3	21.5			
10QAM		12	6	20.56	20.68	20.59	3	21.5			
		12	13	20.59	20.73	20.57	3	21.5			
		25	0	20.57	20.56	20.59	3	21.5			
		1	0	18.82	18.79	18.81	5	19.5			
		1	12	18.69	18.76	18.86	5	19.5			
		1	24	18.90	18.70	18.53	5	19.5			
		12	0	18.85	18.80	18.88	5	19.5			
		12	6	18.83	18.80	18.73	5	19.5			
		12	13	18.80	18.84	18.84	5	19.5			
		25	0	18.87	18.80	18.88	5	19.5			

LTE Band 42 Part96 (Ant7)		
---------------------------	--	--

LTE Band 48 for SAR (Ant7)												
BW	MCS Index	RB Size					Low	Mid	High	SPPF	Max. Throughput (Mbps)	Max. Throughput (dB)
		Channel	1200	1800	2400	3600						
20M	QPSK	1	0	22.85	22.02	22.88	23.19	0	23.5			
		1	50	22.75	22.94	22.76	23.11	0	23.5			
		1	99	22.70	22.98	22.72	23.17	0	23.5			
		50	0	22.08	22.12	21.98	22.25	1	22.5			
		50	50	22.05	22.10	21.96	22.21	1	22.5			
	16QAM	100	0	21.85	22.11	21.88	22.19	1	22.5			
		1	50	21.80	22.10	21.85	22.15	1	22.5			
		1	99	21.87	21.96	21.84	22.19	1	22.5			
		50	0	20.92	21.02	20.91	21.23	2	21.5			
		50	50	21.09	20.93	20.92	21.27	2	21.5			
40M	QPSK	1	0	20.92	21.09	20.79	21.44	2	21.5			
		1	50	20.93	21.07	20.87	21.37	2	21.5			
		1	99	20.92	21.09	20.98	21.43	2	21.5			
		50	0	20.00	20.10	19.88	20.50	3	20.5			
		50	50	20.01	20.02	19.91	20.09	3	20.5			
	16QAM	100	0	19.99	20.04	19.91	20.14	3	20.5			
		1	50	19.92	20.09	19.95	20.49	3	20.5			
		1	99	19.92	19.97	19.97	20.49	3	20.5			
		50	0	18.00	18.05	17.96	17.80	5	18.5			
		50	50	18.09	18.10	18.12	17.82	5	18.5			
80M	QPSK	1	0	17.95	18.14	18.01	17.92	5	18.5			
		1	50	18.02	18.11	17.99	17.84	5	18.5			
		1	99	18.08	18.05	17.98	17.76	5	18.5			
		50	0	16.00	16.05	15.96	15.80	5	16.5			
		50	50	16.09	16.10	16.12	15.82	5	16.5			
	16QAM	100	0	15.99	16.04	15.91	15.84	5	16.5			
		1	50	15.92	16.09	15.95	15.85	5	16.5			
		1	99	15.92	15.97	15.97	15.85	5	16.5			
		50	0	14.00	14.05	13.96	13.80	5	14.5			
		50	50	14.09	14.10	14.12	13.82	5	14.5			

LTE Band 48 (Ant7)												
BW	MCS Index	RB Size					Low	Mid	High	SPPF	Max. Throughput (Mbps)	Max. Throughput (dB)
		Channel	1200	1800	2400	3600						
20M	QPSK	1	0	22.85	22.01	23.19	0	23.5				
		1	50	22.75	22.83	23.11	0	23.5				
		1	99	22.70	22.81	23.17	0	23.5				
		50	0	22.08	22.08	22.25	1	22.5				
		50	50	22.05	22.09	22.21	1	22.5				
	16QAM	100	0	21.85	21.89	22.19	1	22.5				
		1	50	21.80	21.89	22.16	1	22.5				
		1	99	21.87	21.88	22.19	1	22.5				
		50	0	20.92	20.95	21.23	2	21.5				
		50	50	21.09	20.87	21.27	2	21.5				
40M	QPSK	1	0	20.92	20.91	21.44	2	21.5				
		1	50	20.93	20.94	21.37	2	21.5				
		1	99	20.92	20.95	21.43	2	21.5				
		50	0	20.00	20.00	20.50	3	20.5				
		50	50	20.01	20.01	20.14	3	20.5				
	16QAM	100	0	19.92	20.07	20.49	3	20.5				
		1	50	19.92	19.92	17.90	5	18.5				
		1	99	18.08	18.01	17.76	5	18.5				
		50	0	16.00	16.05	15.80	5	16.5				
		50	50	16.09	16.03	15.82	5	16.5				
80M	QPSK	1	0	17.95	17.95	17.95	5	18.5				
		1	50	18.02	18.01	17.84	5	18.5				
		1	99	18.08	18.01	17.76	5	18.5				
		50	0	14.00	14.05	13.80	5	14.5				
		50	50	14.09	14.03	13.82	5	14.5				
	16QAM	100	0	13.99	14.04	13.84	5	14.5				
		1	50	13.92	14.09	13.95	13.85	5	14.5			
		1	99	13.92	13.97	13.97	13.85	5	14.5			
		50	0	12.00	12.05	11.80	5	12.5				
		50	50	12.09	12.03	11.82	5	12.5				

LTE Band 66 (Ant2)												
BW	MCS Index	RB Size					Low	Mid	High	SPPF	Max. Throughput (Mbps)	Max. Throughput (dB)
		Channel	1200	1800	2400	3600						
20M	QPSK	1	0	23.79	23.77	23.66	0	24				
		1	50	23.71	23.67	23.48	0	24				
		1	99	23.70	23.62	23.54	0	24				
		50	0	22.80	22.68	22.51	1	23				
		50	50	22.71	22.67	22.46	1	23				
	16QAM	100	0	22.74	22.59	22.45	1	23				
		1	50	22.70	22.57	22.42	1	23				
		1	99	22.63	22.78	22.71	1	23				
		50	0	21.80	21.65	21.61	2	22				
		50	50	21.82	21.66	21.58	2	22				
40M	QPSK	1	0	21.82	21.85	21.94	2	22				
		1	50	21.80	21.73	21.84	2	22				
		1	99	21.73	21.62	21.73	2	22				
		50	0	20.90	20.81	20.83	3	21				
		50	50	20.91	20.87	20.77	3	21				
	16QAM	100	0	20.73	20.69	20.72	3	21				
		1	50	20.70	20.67	20.57	3	21				
		1	99	20.61	20.58	20.52	3	21				
		50	0	19.80	19.73	19.74	5	19				
		50	50	19.81	19.76	19.67	5	19				
80M	QPSK	1	0	18.80	18.82	18.88	5	19				
		1	50	18.85	18.71	18.76	5	19				
		1	99	18.81	18.73	18.64	5	19				
		50	0	17.90	17.88	17.81	5	18.5				
		50	50	17.91	17.89	17.80	5	18.5				
	16QAM	100	0	17.85	17.87	17.80	5	18.5				
		1	50	17.80	17.85	17.84	5	18.5				
		1	99	17.75	17.75	17.75	5	18.5				
		50	0	16.00	16.05	15.80	5	16.5				
		50	50	16.09	16.04	15.82	5	16.5				

LTE Band 71 (Ari0)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SPP MPE (dB)	Max. Time-up (dBm)	
		Channel		13322	13332	13332			
20M	QPSK	Frequency (MHz)	475	485	485				
		1	0	23.86	23.77	23.14	0	24	
		1	50	23.71	23.05	23.02	0	24	
		1	90	23.04	22.94	22.89	0	24	
		50	0	22.50	22.40	22.16	1	23	
		50	25	22.26	22.15	22.05	1	23	
		50	50	22.18	22.09	22.06	1	23	
		100	0	22.24	22.10	22.07	1	23	
		1	0	22.80	22.40	22.36	1	23	
		1	50	22.40	22.24	22.22	1	23	
10M	16QAM	1	90	22.24	22.12	22.04	1	23	
		50	0	21.41	21.10	21.18	2	22	
		50	25	21.33	21.10	21.08	2	22	
		50	50	21.22	21.07	21.04	2	22	
		100	0	21.28	21.10	21.10	2	22	
		1	0	21.38	21.20	21.20	2	22	
		1	50	21.30	21.20	21.20	2	22	
		1	90	21.14	21.02	20.97	2	22	
		50	0	20.42	20.10	20.15	3	21	
		50	25	20.25	20.10	20.07	3	21	
20M	256QAM	50	50	20.14	20.05	20.08	3	21	
		100	0	20.33	20.17	20.06	3	21	
		1	0	18.89	18.36	18.30	5	19	
		1	50	18.30	18.18	18.19	5	19	
		1	90	18.25	18.14	18.16	5	19	
		50	0	18.47	18.22	18.17	5	19	
		50	25	18.35	18.21	18.11	5	19	
		50	50	18.25	18.13	18.14	5	19	
		100	0	18.44	18.23	18.15	5	19	
		100	0	18.44	18.23	18.15	5	19	
20M	QPSK	Channel		133191	133297	133297	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	476.5	486.5	486.5				
		1	0	23.19	23.14	23.16			
		1	37	23.09	22.92	22.92	0	24	
		1	74	23.02	22.84	22.75	0	24	
		50	0	22.40	22.41	22.05	1	23	
		50	19	22.12	22.11	22.01	1	23	
		50	39	22.04	21.96	22.02	1	23	
		10	0	22.19	22.14	22.02	1	23	
		1	0	22.48	22.25	22.31	1	23	
10M	16QAM	1	37	22.97	22.08	22.15	1	23	
		1	74	22.23	22.05	21.93	1	23	
		50	0	21.40	21.08	21.17	2	22	
		50	19	21.29	20.96	21.06	2	22	
		50	39	21.15	21.05	21.03	2	22	
		75	0	21.26	21.13	21.04	2	22	
		1	0	21.48	21.14	21.00	2	22	
		1	37	21.26	21.15	21.16	2	22	
		1	74	21.09	20.95	20.96	2	22	
		50	0	20.36	20.14	20.04	3	21	
20M	256QAM	50	19	20.23	19.95	19.96	3	21	
		50	39	20.10	19.94	20.04	3	21	
		10	0	20.25	20.04	19.94	3	21	
		1	0	18.58	18.35	18.24	5	19	
		1	37	18.29	18.06	18.04	5	19	
		1	74	18.12	18.05	18.02	5	19	
		50	0	18.36	18.16	18.15	5	19	
		50	19	18.25	18.17	18.06	5	19	
		50	39	18.24	18.07	18.09	5	19	
		75	0	18.38	18.16	18.15	5	19	
20M	QPSK	Channel		133175	133297	133297	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	476	486.5	483				
		1	0	23.87	23.17	23.05	0	24	
		1	24	23.18	23.07	22.97	0	24	
		1	49	23.02	22.85	22.84	0	24	
		25	0	22.42	22.36	22.05	1	23	
		25	12	22.12	22.06	21.97	1	23	
		25	25	22.08	22.04	22.02	1	23	
		50	0	22.16	22.10	21.94	1	23	
		1	0	22.44	22.17	22.07	1	23	
10M	16QAM	1	24	22.34	22.14	22.08	1	23	
		1	49	22.12	22.01	21.99	1	23	
		25	0	21.30	21.10	21.14	2	22	
		25	12	21.19	20.95	20.97	2	22	
		25	25	21.08	20.90	20.95	2	22	
		50	0	21.13	21.05	20.95	2	22	
		1	0	21.49	21.24	21.11	2	22	
		1	24	21.38	21.15	21.14	2	22	
		49	0	21.11	20.95	20.82	2	22	
		25	0	20.39	20.16	20.04	3	21	
20M	256QAM	25	12	20.16	20.06	20.05	3	21	
		25	25	20.00	19.95	20.04	3	21	
		50	0	20.27	20.04	19.94	3	21	
		1	0	18.61	18.27	18.25	5	19	
		1	24	18.25	18.12	18.14	5	19	
		1	49	18.16	18.11	18.08	5	19	
		25	0	18.41	18.11	18.13	5	19	
		25	12	18.24	18.15	17.97	5	19	
		25	25	18.15	18.03	18.01	5	19	
		50	0	18.30	18.05	18.02	5	19	
20M	QPSK	Channel		133147	133297	133297	SPP MPE (dB)	Max. Time-up (dBm)	
		Frequency (MHz)	476.5	486.5	486.5				
		1	0	23.46	23.25	23.11	0	24	
		1	12	23.16	23.03	22.97	0	24	
		1	24	22.92	22.86	22.87	0	24	
		12	0	22.47	22.36	22.05	1	23	
		12	6	22.17	22.11	21.97	1	23	
		12	12	22.03	22.05	22.02	1	23	
		25	0	22.14	22.07	21.88	1	23	
		1	0	22.59	22.25	22.30	1	23	
10M	16QAM	1	12	22.36	22.16	22.20	1	23	
		1	24	22.21	21.99	21.94	1	23	
		12	0	21.34	21.08	21.13	2	22	
		12	6	21.24	21.08	21.03	2	22	
		12	12	21.16	21.02	21.03	2	22	
		25	0	21.15	21.12	21.09	2	22	
		1	0	21.51	21.16	21.06	2	22	
		1	12	21.36	21.17	21.19	2	22	
		1	24	21.03	20.92	20.88	2	22	
		12	0	20.33	20.17	20.14	3	21	
20M	256QAM	12	6	20.22	20.07	19.98	3	21	
		12	12	20.00	19.97	19.98	3	21	
		25	0	20.25	20.10	19.97	3	21	
		1	0	18.55	18.22	18.19	5	19	
		1	12	18.29	18.11	18.13	5	19	
		1	24	18.10	18.05	18.15	5	19	
		12	0	18.38	18.19	18.07	5	19	
		12	6	18.26	18.05	18.01	5	19	
		12	12	18.11	18.04	18.03	5	19	
		25	0	18.33	18.08	18.03	5	19	

Sim-TX_Sensor on & Receiver off_DS13

n2 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	24.07	23.88	23.71	24.5
		1	53	23.68	23.44	23.47	24.5
		1	104	23.78	23.46	23.42	24.5
		50	0	23.34	23.18	23.01	24
		50	28	23.82	23.66	23.57	24.5
		50	56	23.07	22.95	22.74	24
		100	0	23.09	23.01	22.71	24
	DFT-s-OFDM QPSK	1	1	24.29	23.91	23.72	24.5
		1	53	24.12	23.76	23.68	24.5
		1	104	23.81	23.69	23.62	24.5
		50	0	23.01	22.83	22.63	23.5
		50	28	24.05	23.79	23.61	24.5
		50	56	23.02	22.69	22.60	23.5
		100	0	23.03	22.71	22.62	23.5
	DFT-s-OFDM 16QAM	1	1	23.17	22.99	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	21.89	21.69	21.53	22
	DFT-s-OFDM 256QAM	1	1	19.68	19.30	19.38	20
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	24.27	23.89	23.51	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	24.28	23.87	23.54	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.26	23.88	23.55	24.5

n5 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.66	23.61	23.53	24.5
		1	53	23.46	23.57	23.62	24.5
		1	104	23.53	23.59	23.52	24.5
		50	0	23.16	23.11	23.19	24
		50	28	23.63	23.64	23.60	24.5
		50	56	23.06	23.15	23.22	24
		100	0	23.13	23.16	23.16	24
	DFT-s-OFDM QPSK	1	1	23.65	23.67	23.73	24.5
		1	53	23.48	23.60	23.63	24.5
		1	104	23.61	23.58	23.52	24.5
		50	0	22.55	22.57	22.64	23.5
		50	28	23.54	23.59	23.60	24.5
		50	56	22.54	22.59	22.61	23.5
		100	0	22.61	22.65	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.95	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	20.82	20.89	20.65	22
	DFT-s-OFDM 256QAM	1	1	18.76	18.77	18.63	20
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.68	23.70	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.54	23.55	23.69	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.62	23.48	23.64	24.5

n7 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	20.92	20.77	20.83	21.5
		1	53	20.83	20.80	20.69	21.5
		1	104	20.90	20.71	20.71	21.5
		50	0	20.39	20.25	20.20	21
		50	28	20.88	20.79	20.71	21.5
		50	56	20.31	20.15	20.18	21
	DFT-s-OFDM QPSK	100	0	20.33	20.28	20.13	21
		1	1	21.00	20.83	20.73	21.5
		1	53	20.92	20.85	20.71	21.5
		1	104	20.89	20.80	20.69	21.5
		50	0	19.92	19.78	19.64	20.5
		50	28	20.97	20.64	20.62	21.5
		50	56	19.89	19.78	19.65	20.5
		100	0	19.88	19.71	19.66	20.5
	DFT-s-OFDM 16QAM	1	1	20.16	20.06	20.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.17	17.96	17.90	19
	DFT-s-OFDM 256QAM	1	1	15.85	15.73	15.71	17
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	20.88	20.75	20.80	21.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.85	20.76	21.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	20.80	20.73	20.71	21.5

n12 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	22.11	22.08	22.08	24
		1	39	22.07	22.06	22.01	24
		1	77	22.03	22.08	22.04	24
		36	0	21.51	21.53	21.60	23.5
		36	19	22.03	22.07	22.06	24
		36	43	21.52	21.62	21.51	23.5
	DFT-s-OFDM QPSK	75	0	21.60	21.57	21.55	23.5
		1	1	22.13	22.14	22.09	24
		1	39	22.08	22.06	22.02	24
		1	77	22.11	22.07	22.05	24
		36	0	21.02	21.02	21.06	23
		36	19	22.00	22.05	22.04	24
		36	39	21.08	21.11	21.09	23
		75	0	21.06	21.19	21.07	23
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.32	23
	DFT-s-OFDM 64QAM	1	1	19.57	19.63	19.52	21.5
	DFT-s-OFDM 256QAM	1	1	17.57	17.60	17.51	19.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequency (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	22.08	22.11	22.03	24
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequency (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	22.05	22.08	22.04	24

n13 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			156400		
		Frequency (MHz)			782		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.99		24
		1	26		23.02		24
		1	50		23.05		24
		25	0		22.53		23.5
		25	13		22.98		24
		25	27		22.49		23.5
	DFT-s-OFDM QPSK	50	0		22.58		23.5
		1	1		23.08		24
		1	26		23.03		24
		1	50		23.01		24
		25	0		21.93		23
		25	13		23.02		24
	DFT-s-OFDM 16QAM	25	27		22.01		23
		50	0		22.10		23
		1	1		22.16		23
		1	1		20.02		21.5
		1	1		18.12		19.5
		1	1		18.12		19.5
BW	MCS Index	Channel		155900	156400	156900	Max. Tune-up
		Frequency (MHz)		779.5	782	784.5	
5M	DFT-s-OFDM QPSK	1	1	22.99	23.04	22.97	24

n14 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			158600		
		Frequency (MHz)			793		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.08		24
		1	26		23.01		24
		1	50		22.89		24
		25	0		22.48		23.5
		25	13		23.04		24
		25	27		22.53		23.5
	DFT-s-OFDM QPSK	50	0		22.47		23.5
		1	1		23.10		24
		1	26		23.02		24
		1	50		22.90		24
		25	0		21.99		23
		25	13		23.06		24
	DFT-s-OFDM 16QAM	25	27		22.03		23
		50	0		21.98		23
		1	1		22.36		23
		1	1		20.21		21.5
		1	1		17.87		19.5
		1	1		17.87		19.5
BW	MCS Index	Channel		158100	158600	159100	Max. Tune-up
		Frequency (MHz)		790.5	793	795.5	
5M	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.02	24

n25 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.74	23.37	23.02	24.5
		1	53	23.76	23.20	22.91	24.5
		1	104	23.56	23.04	22.83	24.5
		50	0	23.17	22.70	22.47	24
		50	28	23.69	23.10	22.81	24.5
		50	56	23.07	22.48	22.28	24
		100	0	23.11	22.60	22.44	24
	DFT-s-OFDM QPSK	1	1	23.80	23.53	23.39	24.5
		1	53	23.74	23.22	22.87	24.5
		1	104	23.51	23.09	22.82	24.5
		50	0	22.74	22.27	22.15	23.5
		50	28	23.69	23.33	23.09	24.5
		50	56	22.63	22.00	21.98	23.5
		100	0	22.62	22.36	22.03	23.5
	DFT-s-OFDM 16QAM	1	1	22.87	22.58	22.92	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.28	21.64	22
	DFT-s-OFDM 256QAM	1	1	19.24	18.89	19.22	20
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.45	23.37	24.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.29	24.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.21	24.5

n30 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			462000		
		Frequency (MHz)			2310		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		21.26		21.5
		1	26		21.31		21.5
		1	50		21.09		21.5
		25	0		20.64		21
		25	13		21.20		21.5
		25	27		20.62		21
		50	0		20.65		21
	DFT-s-OFDM QPSK	1	1		21.38		21.5
		1	26		21.31		21.5
		1	50		21.17		21.5
		25	0		20.21		20.5
		25	13		21.23		21.5
		25	27		20.23		20.5
		50	0		20.22		20.5
	DFT-s-OFDM 16QAM	1	1		20.35		20.5
	DFT-s-OFDM 64QAM	1	1		18.51		19
	DFT-s-OFDM 256QAM	1	1		16.33		17

n38 (SCS 30 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.22	20.17	20.13	20.5
		1	53	20.01	19.90	19.98	20.5
		1	104	20.00	19.84	19.97	20.5
		50	0	19.72	19.53	19.54	20
		50	28	20.06	19.98	20.04	20.5
		50	56	19.58	19.37	19.43	20
		100	0	19.60	19.51	19.58	20
		1	1	20.27	20.21	20.17	20.5
	DFT-s-OFDM QPSK	1	53	20.03	19.98	19.90	20.5
		1	104	19.91	19.91	19.85	20.5
		50	0	19.23	19.02	19.05	19.5
		50	28	20.06	19.95	20.02	20.5
		50	56	19.07	18.84	18.89	19.5
		100	0	19.08	18.99	19.04	19.5
	DFT-s-OFDM 16QAM	1	1	19.28	19.32	19.24	19.5
	DFT-s-OFDM 64QAM	1	1	17.44	17.42	17.47	18
	DFT-s-OFDM 256QAM	1	1	15.18	15.24	15.20	16
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	20.19	20.15	20.11	20.5
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	20.18	20.17	20.15	20.5

PC3_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	22.49	22.38	22.45	24
		1	137	22.56	22.35	22.72	24
		1	271	22.43	22.62	22.81	24
		135	0	22.61	22.34	22.42	23.5
		135	69	22.58	22.29	22.72	24
		135	138	22.52	22.37	22.42	23.5
		270	0	22.65	22.39	22.68	23.5
		1	1	22.67	22.76	23.08	24
	DFT-s-OFDM QPSK	1	137	22.52	22.35	22.42	24
		1	271	22.49	22.53	22.78	24
		135	0	22.61	22.33	22.43	23
		135	69	22.64	22.41	22.79	24
		135	138	22.53	22.35	22.45	23
		270	0	22.61	22.42	22.67	23
	DFT-s-OFDM 16QAM	1	1	22.63	22.71	22.36	23
	DFT-s-OFDM 64QAM	1	1	21.95	21.83	21.75	22.5
	DFT-s-OFDM 256QAM	1	1	19.72	19.59	19.62	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.66	22.62	22.87	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.61	22.73	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.73	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.63	22.69	22.79	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.65	22.70	22.82	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.73	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	22.62	22.67	22.78	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.62	22.70	22.80	24

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P1/2 BPSK	1	1	22.77	22.74	22.94	23.5
		1	53	22.84	22.54	22.98	23.5
		1	104	22.75	22.76	23.03	23.5
		50	0	22.06	22.07	22.06	23
		50	28	22.72	22.61	23.01	23.5
		50	56	22.06	22.09	22.01	23
		100	0	22.04	22.02	22.04	23
	DFT-s-OFDM QPSK	1	1	22.92	22.83	23.06	23.5
		1	53	22.80	22.57	23.04	23.5
		1	104	22.70	22.59	23.03	23.5
		50	0	22.06	22.07	22.03	22.5
		50	28	22.72	22.77	22.99	23.5
		50	56	22.00	22.02	22.05	22.5
		100	0	22.02	22.05	22.05	22.5
	DFT-s-OFDM 16QAM	1	53	22.46	22.39	22.00	22.5
	DFT-s-OFDM 64QAM	1	53	20.97	20.84	20.95	21
	DFT-s-OFDM 256QAM	1	53	18.88	18.88	18.99	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.87	22.72	22.98	23.5

n66 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM P1/2 BPSK	1	1	23.71	23.71	23.42	24.5
		1	80	23.63	23.61	23.17	24.5
		1	158	23.47	23.34	23.07	24.5
		80	0	22.68	23.22	22.93	24
		80	40	23.57	23.64	23.55	24.5
		80	80	22.53	22.98	22.67	24
		160	0	22.69	23.14	22.89	24
	DFT-s-OFDM QPSK	1	1	23.75	23.78	23.57	24.5
		1	80	23.67	23.66	23.36	24.5
		1	158	23.59	23.25	23.03	24.5
		80	0	22.66	22.67	22.47	23.5
		80	40	23.60	23.61	23.29	24.5
		80	80	22.58	22.59	22.34	23.5
		160	0	22.71	22.62	22.47	23.5
	DFT-s-OFDM 16QAM	1	1	22.67	22.72	22.73	23.5
	DFT-s-OFDM 64QAM	1	1	21.09	21.14	21.15	22
	DFT-s-OFDM 256QAM	1	1	19.77	19.64	19.47	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.71	23.77	23.58	24.5
BW	MCS Index	Channel		343500	349000	23.57	Max. Tune-up
		Frequency (MHz)		1717.5	1745	23.57	
15M	DFT-s-OFDM QPSK	1	1	23.68	23.73	23.56	24.5
BW	MCS Index	Channel		343000	349000	23.57	Max. Tune-up
		Frequency (MHz)		1715	1745	23.57	
10M	DFT-s-OFDM QPSK	1	1	23.65	23.76	23.54	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.66	23.71	23.63	24.5

n71 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.40	23.16	22.99	24.5
		1	53	23.18	23.02	22.91	24.5
		1	104	22.93	22.82	22.59	24.5
		50	0	22.68	22.62	22.44	24
		50	28	23.21	23.01	22.95	24.5
		50	56	22.56	22.35	22.26	24
		100	0	22.62	22.41	22.30	24
	DFT-s-OFDM QPSK	1	1	23.49	23.19	23.00	24.5
		1	53	23.18	23.05	22.95	24.5
		1	104	22.99	22.83	22.61	24.5
		50	0	22.31	22.12	22.05	23.5
		50	28	23.12	23.06	22.86	24.5
		50	56	22.15	21.94	21.79	23.5
		100	0	22.19	22.01	21.91	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.44	22.27	23.5
	DFT-s-OFDM 64QAM	1	1	20.45	20.33	20.23	22
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.06	20
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.15	22.99	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.47	23.11	22.97	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.44	22.96	22.96	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		24.16		25
		1	137		23.97		25
		1	271		24.13		25
		135	0		23.39		24.5
		135	69		24.03		25
		135	138		24.19		24.5
		270	0		24.05		24.5
		1	1		24.27		25
	DFT-s-OFDM QPSK	1	137		23.91		25
		1	271		24.15		25
		135	0		23.91		24.5
		135	69		24.14		25
		135	138		24.12		24.5
		270	0		24.03		24.5
		DFT-s-OFDM 16QAM	1	1	23.65		24.5
		DFT-s-OFDM 64QAM	1	1	22.82		23.5
		DFT-s-OFDM 256QAM	1	1	20.69		21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.56	23.69	23.54	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.79	23.78	24.01	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.98	24.06	23.99	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.19	24.11	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.12	24.07	25

n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.81	24.27	23.97	25
		1	137	23.89	24.04	24.36	25
		1	271	23.92	24.08	24.31	25
		135	0	23.91	24.16	24.23	24.5
		135	69	23.94	24.09	24.35	25
		135	138	23.93	24.01	24.34	24.5
		270	0	23.93	24.04	24.32	24.5
	DFT-s-OFDM QPSK	1	1	24.03	24.37	24.55	25
		1	137	23.92	24.05	24.31	25
		1	271	23.96	24.16	24.36	25
		135	0	23.91	24.23	24.21	24.5
		135	69	23.95	24.22	24.26	25
		135	138	23.87	24.01	24.15	24.5
		270	0	23.83	24.25	24.19	24.5
	DFT-s-OFDM 16QAM	1	1	23.93	24.37	24.13	24.5
	DFT-s-OFDM 64QAM	1	1	23.02	23.25	23.21	23.5
	DFT-s-OFDM 256QAM	1	1	20.82	21.33	21.02	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	24.01	24.33	24.32	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.99	24.28	24.33	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	24.02	24.29	24.30	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.97	24.26	24.35	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.95	24.31	24.30	25

n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		23.90		25
		1	137		24.05		25
		1	271		24.31		25
		135	0		24.03		24.5
		135	69		24.06		25
		135	138		24.26		24.5
		270	0		24.10		24.5
	DFT-s-OFDM QPSK	1	1		24.36		25
		1	137		24.09		25
		1	271		24.25		25
		135	0		24.01		24.5
		135	69		24.28		25
		135	138		24.25		24.5
		270	0		24.07		24.5
	DFT-s-OFDM 16QAM	1	1		23.86		24.5
	DFT-s-OFDM 64QAM	1	1		22.91		23.5
	DFT-s-OFDM 256QAM	1	1		20.87		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	24.01	23.88	24.11	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.99	23.97	23.98	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	24.15	23.99	24.18	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	24.11	23.95	24.24	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	24.17	24.00	24.18	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	24.21	24.31	24.20	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	24.05	24.19	24.09	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	24.15	24.23	24.11	25

Sim-TX_Sensor on & Receiver off_DS13

PC2_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	24.52	24.29	24.06	25
		1	137	24.54	24.22	24.34	25
		1	271	24.47	24.51	24.65	25
		135	0	24.09	23.78	23.67	24.5
		135	69	24.58	24.26	24.35	25
		135	138	23.96	23.74	24.10	24.5
	DFT-s-OFDM QPSK	270	0	24.03	23.77	23.90	24.5
		1	1	24.59	24.55	24.73	25
		1	137	24.48	24.23	24.33	25
		1	271	24.41	24.49	24.62	25
		135	0	23.58	23.28	23.16	24
		135	69	24.34	24.22	24.37	25
	DFT-s-OFDM 16QAM	135	138	23.46	23.34	23.62	24
		270	0	23.42	23.26	23.52	24
		1	1	23.62	23.36	23.22	24
		1	1	21.73	21.41	21.25	22.5
		1	1	19.56	19.27	19.06	20.5
		1	1	19.56	19.27	19.06	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.52	24.54	24.60	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.56	24.49	24.71	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.62	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.44	24.53	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.44	24.45	24.67	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.53	24.43	24.59	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.51	24.52	24.70	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.54	24.42	24.64	25

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.06		27
		1	137		25.80		27
		1	271		26.10		27
		135	0		24.66		26.5
		135	69		25.86		27
		135	138		25.11		26.5
	DFT-s-OFDM QPSK	270	0		24.83		26.5
		1	1		26.30		27
		1	137		25.70		27
		1	271		26.13		27
		135	0		24.74		26
		135	69		26.18		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		24.96		26
		1	1		25.43		26
		1	1		23.97		24.5
		1	1		21.34		22.5
		1	1		21.34		22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.14	25.95	26.15	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.18	26.16	26.22	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.07	26.09	26.09	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.18	26.11	26.14	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.08	25.91	26.21	27

PC2_n77 (SCS 30 kHz)_3700-3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	25.86	25.79	25.72	27
		1	137	26.02	25.82	26.17	27
		1	271	26.04	25.89	26.28	27
		135	0	24.99	25.33	25.04	26.5
		135	69	25.98	25.91	26.22	27
		135	138	24.98	25.39	25.23	26.5
	DFT-s-OFDM QPSK	270	0	25.03	25.38	25.04	26.5
		1	1	26.07	25.96	26.29	27
		1	137	25.93	25.71	26.17	27
		1	271	26.01	25.78	26.08	27
		135	0	24.98	24.80	25.00	26
		135	69	26.05	25.85	26.21	27
	DFT-s-OFDM 16QAM	135	138	25.01	24.83	25.23	26
		270	0	25.03	24.81	25.06	26
		1	1	25.34	25.08	25.54	26
		1	1	23.40	23.06	23.55	24.5
		1	1	21.07	20.81	21.32	22.5
		1	1	21.07	20.81	21.32	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	26.05	25.87	26.25	27
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.01	25.90	26.27	27
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.00	25.91	26.21	27
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	25.99	25.94	26.22	27
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.04	25.88	26.23	27

PC2_n78 (SCS 30 kHz)_3450-3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.19		27
		1	137		25.97		27
		1	271		26.34		27
		135	0		24.85		26.5
		135	69		26.05		27
		135	138		25.19		26.5
	DFT-s-OFDM QPSK	270	0		25.03		26.5
		1	1		26.35		27
		1	137		25.94		27
		1	271		26.31		27
		135	0		24.84		26
		135	69		26.01		27
	DFT-s-OFDM 16QAM	135	138		25.12		26
		270	0		25.03		26
		1	1		25.46		26
		1	1		23.50		24.5
		1	1		21.37		22.5
		1	1		21.37		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	1	26.05	25.72	26.05	27
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.11	25.74	26.22	27
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.08	25.80	26.17	27
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.31	25.84	26.11	27
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	25.83	26.07	27
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.25	26.14	26.08	27
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.09	26.15	26.15	27
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.13	26.08	26.18	27

Sim-TX Sensor on & Receiver off_DS13

PC3_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC								
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)	
				Low	Mid	High		
				Channel	509202	518598		528000
				Frequency (MHz)	2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	22.74	22.87	23.05	24	
		1	137	22.67	22.64	22.74	24	
		1	271	22.70	22.75	22.94	24	
		137	0	21.65	21.49	21.36	23	
		137	68	22.61	22.54	22.61	24	
		137	136	21.53	21.57	21.85	23	
		273	0	21.61	21.53	21.65	23	
		CP-OFDM 16QAM	1	1	22.68	22.58	22.50	23
	CP-OFDM 64QAM	1	1	20.90	20.89	20.68	22.5	
	CP-OFDM 256QAM	1	1	18.72	18.55	18.51	20.5	
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up	
		Frequency (MHz)		2541	2592.99	2644.98		
90M	CP-OFDM QPSK	1	1	22.64	22.79	22.95	24	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	CP-OFDM QPSK	1	1	22.63	22.81	22.93	24	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up	
		Frequency (MHz)		2531.01	2592.99	2655		
70M	CP-OFDM QPSK	1	1	22.68	22.86	22.96	24	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	CP-OFDM QPSK	1	1	22.62	22.82	22.95	24	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	CP-OFDM QPSK	1	1	22.70	22.78	23.01	24	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	CP-OFDM QPSK	1	1	22.67	22.77	23.03	24	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	CP-OFDM QPSK	1	1	22.69	22.83	22.93	24	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	CP-OFDM QPSK	1	1	22.66	22.83	22.92	24	

n77 (SCS 30 kHz) 3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.68		25
		1	137		23.44		25
		1	271		23.54		25
		137	0		22.05		24
		137	68		23.36		25
		137	136		22.14		24
	273	0		22.03		24	
	CP-OFDM 16QAM	1	1		22.82		24.5
	CP-OFDM 64QAM	1	1		21.05		23
	CP-OFDM 256QAM	1	1		18.12		20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.60	23.61	23.63	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.61	23.56	23.59	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.58	23.57	23.60	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.59	23.55	23.62	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.62	23.64	23.59	25

n77 (SCS 30 kHz) 3700–3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	24.28	24.09	24.35	25
		1	137	24.06	23.73	24.05	25
		1	271	24.02	24.02	23.99	25
		137	0	22.75	22.61	22.70	24
		137	68	24.19	23.91	24.26	25
		137	136	22.68	22.55	22.74	24
		273	0	22.79	22.63	22.73	24
	CP-OFDM 16QAM	1	1	23.77	23.79	23.77	24.5
	CP-OFDM 64QAM	1	1	22.08	21.95	21.97	23
	CP-OFDM 256QAM	1	1	19.21	19.06	19.11	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.20	24.07	24.16	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.21	24.04	24.11	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.22	24.02	24.12	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.18	24.01	24.16	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.26	24.02	24.10	25

n78 (SCS 30 kHz) 3450–3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.89		25
		1	137		23.65		25
		1	271		23.72		25
		137	0		22.30		24
		137	68		23.66		25
		137	136		22.31		24
		273	0		22.25		24
	CP-OFDM 16QAM	1	1		22.72		24
	CP-OFDM 64QAM	1	1		21.17		22.5
	CP-OFDM 256QAM	1	1		18.74		20.5
BW	MCS Index	Channel	633000	633334	633666	Max. Tune-up	
		Frequency (MHz)	3495	3500.01	3504.99		
90M	CP-OFDM QPSK	1	1	23.85	23.87	23.84	25
BW	MCS Index	Channel	632668	633334	634000	Max. Tune-up	
		Frequency (MHz)	3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	23.72	23.79	23.76	25
BW	MCS Index	Channel	632334	633334	634332	Max. Tune-up	
		Frequency (MHz)	3485.01	3500.01	3514.98		
70M	CP-OFDM QPSK	1	1	23.84	23.80	23.75	25
BW	MCS Index	Channel	632000	633334	634666	Max. Tune-up	
		Frequency (MHz)	3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	23.76	23.79	23.78	25
BW	MCS Index	Channel	631668	633334	635000	Max. Tune-up	
		Frequency (MHz)	3475.02	3500.01	3525		
50M	CP-OFDM QPSK	1	1	23.79	23.75	23.75	25
BW	MCS Index	Channel	631334	633334	635332	Max. Tune-up	
		Frequency (MHz)	3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	23.81	23.79	23.81	25
BW	MCS Index	Channel	631000	633334	635666	Max. Tune-up	
		Frequency (MHz)	3465	3500.01	3534.99		
30M	CP-OFDM QPSK	1	1	23.75	23.75	23.71	25
BW	MCS Index	Channel	630668	633334	636000	Max. Tune-up	
		Frequency (MHz)	3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	23.81	23.82	23.71	25

Sim-TX_Sensor on & Receiver off_DS13

PC2_n41 (SCS 30 kHz)_UL MIMO (Ant0+2)								
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)	
				Low	Mid	High		
				Channel	509202	518598		528000
				Frequency (MHz)	2546.01	2592.99	2640	
100M	CP-OFDM QPSK	1	1	23.28	23.34	23.42	24	
		1	137	23.24	23.14	23.26	24	
		1	271	23.22	23.29	23.35	24	
		137	0	21.66	21.52	21.36	23	
		137	68	23.21	23.02	23.25	24	
		137	136	21.59	21.62	21.86	23	
		273	0	22.13	21.52	21.64	23	
	CP-OFDM 16QAM	1	1	22.71	22.66	22.46	23	
	CP-OFDM 64QAM	1	1	20.91	20.87	20.69	22.5	
	CP-OFDM 256QAM	1	1	18.83	18.59	18.64	20.5	
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up	
		Frequency (MHz)		2541	2592.99	2644.98		
90M	CP-OFDM QPSK	1	1	23.16	23.19	23.31	24	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	CP-OFDM QPSK	1	1	23.20	23.29	23.29	24	
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up	
		Frequency (MHz)		2531.01	2592.99	2655		
70M	CP-OFDM QPSK	1	1	23.20	23.25	23.35	24	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	CP-OFDM QPSK	1	1	23.13	23.25	23.31	24	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	CP-OFDM QPSK	1	1	23.21	23.24	23.34	24	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	CP-OFDM QPSK	1	1	23.17	23.22	23.35	24	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	CP-OFDM QPSK	1	1	23.20	23.23	23.34	24	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	CP-OFDM QPSK	1	1	23.16	23.24	23.33	24	

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Channel	Mid		
				Frequency (MHz)	3500.01		
100M	CP-OFDM QPSK	1	1		24.19		25
		1	137		23.93		25
		1	271		24.05		25
		137	0		22.27		24
		137	68		24.01		25
		137	136		22.34		24
		273	0		22.30		24
	CP-OFDM 16QAM	1	1		23.08		24.5
	CP-OFDM 64QAM	1	1		21.51		23
	CP-OFDM 256QAM	1	1		18.62		20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.17	24.18	24.15	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.06	24.08	24.04	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.11	24.08	24.10	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.05	24.12	24.04	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.11	24.08	24.11	25

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	650000	656000	662000		
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	24.60	24.63	24.75	25
		1	137	24.47	24.48	24.71	25
		1	271	24.45	24.53	24.62	25
		137	0	22.99	23.04	23.05	24
		137	68	24.34	24.39	24.54	25
		137	136	22.88	22.99	23.01	24
		273	0	22.95	22.98	23.03	24
	CP-OFDM 16QAM	1	1	23.97	24.13	24.05	24.5
	CP-OFDM 64QAM	1	1	22.22	22.33	22.34	23
	CP-OFDM 256QAM	1	1	19.39	19.40	19.39	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.33	24.51	24.68	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.32	24.54	24.66	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.33	24.56	24.65	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.35	24.55	24.69	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.32	24.55	24.71	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)		633334	3500.01		
100M	CP-OFDM QPSK	1	1	24.34		25	
		1	137	23.91		25	
		1	271	24.05		25	
		137	0	22.41		24	
		137	68	24.22		25	
		137	136	22.31		24	
		273	0	22.38		24	
	CP-OFDM 16QAM	1	1	23.42		24	
	CP-OFDM 64QAM	1	1	21.75		22.5	
	CP-OFDM 256QAM	1	1	18.87		20.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	24.27	24.32	24.29	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.22	24.29	24.25	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	24.19	24.26	24.19	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.17	24.31	24.22	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	24.14	24.22	24.24	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.16	24.28	24.23	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.23	24.27	24.23	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.20	24.18	24.24	25

BW	Modulation	LTE Band 2 (Aster)									
		RB Size	RB Count	Low	Mid	High	Subcarriers	Subcarriers	Subcarriers	Subcarriers	Subcarriers
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
QPSK		1	0	23.64	23.62	23.48	0	24			
		1	0	23.64	23.62	23.48	0	24			
		1	98	23.57	23.49	23.59	0	24			
		20	0	23.77	22.60	22.69	0	23			
		30	0	23.76	22.61	22.69	0	23			
16QAM		80	0	23.60	23.52	22.65	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	0	23.63	22.60	22.63	0	23			
		1	50	22.55	22.77	22.82	0	23			
		1	50	22.45	22.72	22.76	0	23			
256QAM		50	0	21.77	21.62	21.67	0	22			
		20	20	21.75	21.56	21.64	0	22			
		1	50	21.69	21.57	21.70	0	22			
		1	0	21.68	21.57	21.66	0	22			
		1	0	21.68	21.57	21.66	0	22			
64QAM		1	0	20.81	21.63	21.73	0	22			
		1	89	20.76	21.57	21.71	0	22			
		1	20	20.73	21.56	21.64	0	22			
		20	20	20.69	20.51	20.70	0	21			
		100	0	20.73	20.53	20.65	0	21			
256QAM		1	0	18.80	18.72	18.66	0	19			
		1	0	18.80	18.72	18.66	0	19			
		1	90	18.73	18.62	18.78	0	19			
		0	0	18.78	18.61	18.69	0	19			
		50	50	18.69	18.69	18.78	0	19			
BW	Modulation	Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
		1	37	23.68	23.70	23.49	0	24			
		1	74	23.48	23.47	23.58	0	24			
		25	0	23.64	23.61	23.66	0	24			
QPSK		38	19	22.70	22.54	22.68	0	23			
		38	39	22.58	22.51	22.52	0	23			
		1	0	22.64	22.49	22.53	0	23			
		1	0	22.79	22.77	22.76	0	23			
		1	0	22.79	22.77	22.76	0	23			
16QAM		1	94	22.70	22.57	22.64	0	23			
		1	0	21.84	21.59	21.64	0	22			
		38	19	21.63	21.56	21.57	0	22			
		38	39	21.55	21.50	21.56	0	22			
64QAM		75	0	21.60	21.52	21.63	0	22			
		1	24	21.64	21.56	21.73	0	22			
		1	37	21.67	21.59	21.65	0	22			
		1	38	21.62	21.54	21.70	0	22			
256QAM		38	19	20.85	20.66	20.85	0	21			
		38	39	20.84	20.65	20.85	0	21			
		75	0	20.73	20.47	20.60	0	21			
		1	0	18.76	18.62	18.60	0	19			
64QAM		37	18	18.74	18.56	18.61	0	19			
		1	74	18.50	18.49	18.69	0	19			
		1	0	18.50	18.49	18.69	0	19			
		38	39	18.54	18.51	18.67	0	19			
256QAM		38	39	18.43	18.42	18.62	0	19			
		1	0	18.43	18.43	18.62	0	19			
		1	74	18.38	18.40	18.62	0	19			
		38	39	18.34	18.51	18.67	0	19			
BW	Modulation	Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
		1	24	23.61	23.51	23.54	0	24			
		1	46	23.55	23.42	23.58	0	24			
		25	0	23.64	23.61	23.66	0	24			
QPSK		38	19	22.70	22.54	22.68	0	23			
		38	39	22.58	22.51	22.52	0	23			
		1	0	22.64	22.49	22.53	0	23			
		1	0	22.79	22.77	22.76	0	23			
		1	0	22.79	22.77	22.76	0	23			
16QAM		1	94	22.70	22.57	22.64	0	23			
		1	0	21.84	21.59	21.64	0	22			
		38	19	21.63	21.56	21.57	0	22			
		38	39	21.55	21.50	21.56	0	22			
64QAM		1	0	21.72	21.63	21.72	0	22			
		1	24	21.71	21.57	21.70	0	22			
		1	46	21.70	21.56	21.69	0	22			
		25	0	20.72	20.52	20.64	0	21			
256QAM		25	0	20.72	20.52	20.64	0	21			
		25	25	20.58	20.49	20.59	0	21			
		50	0	20.72	20.53	20.53	0	21			
		1	0	18.76	18.62	18.60	0	19			
64QAM		1	24	18.73	18.50	18.61	0	19			
		1	40	18.60	18.45	18.63	0	19			
		1	0	18.60	18.45	18.63	0	19			
		25	12	18.72	18.42	18.64	0	19			
256QAM		1	0	18.64	18.47	18.64	0	19			
		1	0	18.64	18.47	18.64	0	19			
		1	0	18.67	18.48	18.62	0	19			
		50	0	18.57	18.43	18.62	0	19			
BW	Modulation	Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
		1	0	23.51	23.37	23.39	0	24			
		1	12	23.63	23.47	23.59	0	24			
		1	24	23.58	23.45	23.48	0	24			
QPSK		12	0	22.73	22.50	22.63	0	23			
		12	0	22.73	22.50	22.63	0	23			
		12	13	22.68	22.47	22.63	0	23			
		25	0	22.62	22.48	22.49	0	23			
		0	0	22.73	22.78	22.78	0	23			
16QAM		1	12	22.64	22.67	22.78	0	23			
		1	24	22.78	22.60	22.74	0	23			
		1	12	21.78	21.69	21.78	0	22			
		12	6	21.69	21.50	21.55	0	22			
64QAM		25	0	21.53	21.50	21.55	0	22			
		1	0	21.83	21.63	21.77	0	22			
		1	12	21.78	21.69	21.78	0	22			
		1	24	21.68	21.49	21.66	0	22			
256QAM		12	0	20.66	20.49	20.61	0	21			
		12	0	20.78	20.53	20.61	0	21			
		12	13	20.62	20.43	20.59	0	21			
		25	0	20.78	20.58	20.58	0	21			
64QAM		1	0	18.81	18.61	18.56	0	19			
		1	12	18.69	18.60	18.57	0	19			
		1	24	18.60	18.48	18.56	0	19			
		12	6	18.73	18.50	18.66	0	19			
256QAM		12	0	18.62	18.42	18.55	0	19			
		12	13	18.61	18.48	18.54	0	19			
		25	0	18.60	18.40	18.50	0	19			
		1	0	18.60	18.40	18.50	0	19			
BW	Modulation	Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
		1	0	23.55	23.45	23.42	0	24			
		1	24	23.58	23.45	23.52	0	24			
		1	14	23.53	23.39	23.45	0	24			
QPSK		8	0	22.73	22.54	22.55	0	23			
		8	0	22.73	22.54	22.55	0	23			
		8	7	22.60	22.40	22.54	0	23			
		16	0	22.73	22.77	22.81	0	23			
		1	0	22.73	22.77	22.81	0	23			
16QAM		1	7	22.44	22.78	22.85	0	23			
		1	14	22.76	22.60	22.72	0	22			
		8	3	21.74	21.50	21.50	0	22			
		8	3	21.69	21.50	21.50	0	22			
64QAM		1	0	21.60	21.48	21.58	0	22			
		1	7	21.77	21.57	21.67	0	22			
		1	14	21.72	21.55	21.68	0	22			
		1	7	21.62	21.44	21.54	0	22			
256QAM		8	3	20.72	20.63	20.63	0	21			
		8	7	20.63	20.50	20.56	0	21			
		1	0	18.83	18.72	18.80	0	19			
		1	0	18.83	18.72	18.80	0	19			
64QAM		1	14	18.72	18.49	18.74	0	19			
		8	0	18.77	18.54	18.64	0	19			
		3	18.64	18.44	18.54	0	19				
		8	7	18.65	18.51	18.75	0	19			
256QAM		13	0	18.60	18.46	18.60	0	19			
		1	0	18.60	18.46	18.60	0	19			
		1	0	18.60	18.46	18.60	0	19			
		1	0	18.60	18.46	18.60	0	19			
BW	Modulation	Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
		Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
		1	0	23.55	23.39	23.53	0	24			
		1	0	23.55	23.39	23.51	0	24			
		1	5	23.45	23.31	23.52	0	24			
QPSK		3	0	23.48	23.30	23.52	0	24			
		3	1	23.53	23.39	23.45	0	24			
		3	1	23.42	23.30	23.41	0	24			
		3	23.39	23.29	23.44	0	24				
		1	0	22.80	22.78	22.72	0	23			
16QAM		3	0	22.74	22.64	22.65	0	23			
		3	0	22.44	22.42	22.36	0	23			
		3	1	21.48	21.48	21.52	0	22			
		3	3	22.48	22.34	22.37	0	23			
64QAM	</										

		LTE Band 20 (Aster)						
BW	Modulation	RB Size	RB Offset	Sub	SC-FDMA	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Power (dBm)				
10M	QPSK	1	0	2778	0	24.5		
		1	24	2843	0	24.5		
		1	48	2812	0	24.5		
		25	0	2315	1	23.5		
		25	12	2329	1	23.5		
		25	25	2313	1	23.5		
	16QAM	1	0	2286	1	23.5		
		1	24	2274	1	23.5		
		1	48	2271	1	23.5		
		25	0	2209	2	22.5		
		25	12	2201	2	22.5		
		25	25	2198	2	22.5		
	64QAM	1	0	2220	2	22.5		
		1	24	2178	2	22.5		
		1	48	2168	2	22.5		
		25	0	2102	3	21.5		
		25	12	2102	3	21.5		
		25	25	2101	3	21.5		
	256QAM	1	0	1827	5	19.5		
		1	24	1827	5	19.5		
		1	48	1828	5	19.5		
		25	0	1814	5	19.5		
		25	12	1803	5	19.5		
		25	25	1803	5	19.5		
5M	QPSK	1	0	1716	0	18.5		
		1	24	1716	0	18.5		
		1	12	2412	0	24.5		
		1	24	2403	0	24.5		
		12	0	2351	23.00	1	23.5	
		12	6	2321	23.17	1	23.5	
	16QAM	12	13	2309	23.08	1	23.5	
		25	0	2296	22.96	1	23.5	
		1	0	2286	22.79	1	23.5	
		1	12	2272	22.68	1	23.5	
		1	24	2268	22.59	2	22.5	
		12	0	2195	21.99	2	22.5	
	64QAM	12	6	2182	21.85	2	22.5	
		25	0	2169	21.74	2	22.5	
		1	12	2154	21.66	2	22.5	
		12	0	2097	20.95	3	21.5	
		12	6	2090	20.96	3	21.5	
		12	13	2082	20.91	3	21.5	
	256QAM	25	0	2053	20.90	3	21.5	
		1	0	1834	18.87	5	19.5	
		1	12	1872	18.74	5	19.5	
		1	24	1872	18.73	5	19.5	
		12	6	1857	18.66	5	19.5	
		12	13	1853	18.66	5	19.5	

BWP	Subcarriers	LTE Band 41 (2535 - 2690MHz) PC3 (2x2)									
		RB Size	RB Offset	Low	High	Min	Max	Min	Max	SCS	CP
		Frequency (MHz)	Offset (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	SCS (kHz)	CP Type
QPSK	1	0	22.21	22.25	23.30	23.60	22.28	0	24		
	2	0	22.16	22.20	23.25	23.55	22.23	0	24		
	1	89	22.18	22.21	22.27	23.50	25.17	0	24		
	50	0	21.23	21.26	21.24	21.56	21.17	1	23		
	25	25	21.24	21.26	21.24	21.56	21.30	1	23		
16QAM	50	50	21.22	21.32	21.37	21.52	21.29	1	23		
	100	0	21.31	21.41	21.25	21.59	21.22	1	23		
	1	50	21.25	21.27	21.20	21.48	21.10	1	23		
	50	25	21.26	21.27	21.25	21.56	21.29	1	23		
	50	0	20.31	20.35	20.20	20.44	20.18	1	22		
256QAM	50	25	20.36	20.34	20.34	20.43	20.30	2	22		
	50	25	20.32	20.31	20.33	20.41	20.27	2	22		
	100	0	20.39	20.36	20.40	20.52	20.30	2	22		
	50	25	20.42	20.43	20.40	20.51	20.41	2	22		
	1	89	20.48	20.45	20.52	20.58	20.46	2	22		
16QAM	1	0	17.27	17.27	17.30	17.62	17.30	0	21		
	50	25	16.35	16.38	16.38	16.46	16.34	3	21		
	50	0	16.36	16.39	16.33	16.44	16.34	3	21		
	1	0	17.27	17.27	17.30	17.62	17.30	0	19		
	1	0	17.27	17.27	17.30	17.62	17.30	0	19		
QPSK	1	0	17.27	17.27	17.30	17.62	17.30	0	19		
	1	0	17.27	17.27	17.30	17.62	17.30	0	19		
	50	0	17.33	17.33	17.45	17.53	17.44	5	19		
	50	0	17.33	17.33	17.45	17.53	17.44	5	19		
	50	0	17.31	17.31	17.28	17.44	17.28	5	19		
16QAM	50	0	17.24	17.24	17.31	17.38	17.22	5	19		
	50	0	17.24	17.24	17.31	17.38	17.22	5	19		
	50	0	17.24	17.24	17.31	17.38	17.22	5	19		
	50	0	17.24	17.24	17.31	17.38	17.22	5	19		
	50	0	17.24	17.24	17.31	17.38	17.22	5	19		
QPSK	1	37	23.14	23.03	23.21	23.10	22.26	0	24		
	1	74	22.17	22.18	22.21	24.24	22.18	0	24		
	38	1	21.00	21.16	21.11	21.45	21.02	1	23		
	38	18	21.21	21.28	21.38	21.40	21.32	1	23		
	38	39	21.17	21.23	21.30	21.45	21.18	1	23		
16QAM	38	0	21.16	21.17	21.17	21.41	21.17	1	23		
	0	0	21.29	21.32	21.10	21.50	21.09	1	23		
	38	1	21.14	21.15	21.15	21.40	21.14	1	23		
	1	74	21.05	21.08	21.05	21.30	21.04	1	23		
256QAM	38	0	20.21	20.22	20.19	20.43	20.08	2	22		
	38	0	20.22	20.26	20.22	20.35	20.13	2	22		
	38	39	20.25	20.27	20.24	20.35	20.12	2	22		
	75	0	20.31	20.39	20.39	20.50	20.28	2	22		
16QAM	25	25	20.34	20.34	20.34	20.46	20.38	2	22		
	1	37	20.30	20.23	20.39	20.50	20.30	2	22		
	25	25	20.34	20.34	20.34	20.46	20.38	2	22		
	0	0	19.17	19.18	19.09	19.22	19.08	2	21		
256QAM	38	19	19.27	19.36	19.32	19.45	19.32	3	21		
	25	25	19.24	19.25	19.25	19.36	19.24	3	21		
	75	0	19.24	19.23	19.18	19.31	19.22	3	21		
	1	0	17.13	17.14	17.22	17.41	17.22	5	19		
QPSK	1	37	17.29	17.30	17.46	17.66	17.30	5	19		
	1	74	17.12	17.08	17.07	17.40	17.08	5	19		
	25	12	17.11	17.10	17.10	17.24	17.11	5	19		
	25	18	17.13	17.25	17.23	17.31	17.17	5	19		
256QAM	25	39	17.27	17.24	17.23	17.34	17.11	5	19		
	50	1	17.18	17.17	17.17	17.29	17.18	5	19		
	50	1	17.18	17.17	17.17	17.29	17.18	5	19		
	50	1	17.18	17.17	17.17	17.29	17.18	5	19		
BWP	Subcarriers	Channel	Offset	4095	4095	4095	4095	4095	4095	SCS	CP
		Frequency (MHz)	Offset (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	SCS (kHz)	CP Type
		1	24	22.17	22.05	22.27	22.49	22.21	0	24	
QPSK	1	49	22.01	21.96	22.04	22.05	21.98	0	24		
	25	1	21.22	21.15	21.15	21.45	21.12	1	23		
	25	12	21.20	21.23	21.20	21.48	21.13	1	23		
	25	25	21.07	21.17	21.07	21.44	21.07	1	23		
	50	0	21.02	21.18	21.27	21.44	21.01	1	23		
16QAM	1	0	21.23	21.34	21.24	21.54	21.18	1	23		
	1	24	21.18	21.18	21.07	21.54	21.07	1	23		
	1	49	21.19	21.02	21.09	21.32	21.01	1	23		
	25	12	21.02	21.32	20.19	21.30	20.18	1	23		
	25	25	20.13	20.22	20.32	20.38	20.21	2	22		
16QAM	1	0	20.38	20.34	20.43	20.51	20.28	2	22		
	1	0	20.36	20.16	20.30	20.53	20.21	2	22		
	1	24	20.40	20.24	20.34	20.47	20.34	2	22		
	1	49	20.46	20.37	20.51	20.54	20.38	2	22		
	25	12	20.36	20.56	20.56	20.64	20.32	3	21		
16QAM	25	25	20.21	20.34	20.34	20.34	20.18	3	21		
	50	0	19.14	19.22	19.30	19.31	19.17	3	21		
	1	0	17.12	17.13	17.27	17.44	17.26	5	19		
	1	24	17.09	17.34	17.63	17.50	17.03	5	19		
	49	17.12	17.11	17.11	17.33	17.15	5	19			
256QAM	1	12	17.07	17.19	17.42	17.50	17.07	5	19		
	25	12	17.11	17.21	17.20	17.28	17.08	5	19		
	25	25	17.17	17.20	17.20	17.21	17.14	5	19		
	50	0	17.16	17.23	17.24	17.33	17.12	5	19		
	50	0	17.16	17.23	17.24	17.33	17.12	5	19		
BWP	Subcarriers	Channel	Offset	4095	4095	4095	4095	4095	4095	SCS	CP
		Frequency (MHz)	Offset (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	Start (MHz)	End (MHz)	SCS (kHz)	CP Type
		1	0	22.02	22.17	22.19	22.09	22.22	0	24	
QPSK	1	12	22.13	22.09	22.27	22.57	22.13	0	24		
	1	24	22.12	22.10	22.22	22.52	22.11	0	24		
	12	0	21.16	21.13	21.13	21.43	21.11	1	23		
	12	13	21.11	21.27	21.23	21.47	21.11	1	23		
	25	0	21.19	21.16	21.25	21.53	21.12	1	23		
16QAM	1	0	21.05	21.06	21.19	21.51	21.02	1	23		
	1	12	21.12	21.22	21.07	21.35	21.09	1	23		
	1	24	21.17	21.03	21.10	21.33	21.07	1	23		
	12	0	20.31	20.39	20.19	20.46	20.17	2	22		
	12	0	20.33	20.21	20.32	20.30	20.25	2	22		
16QAM	25	12	20.14	20.20	20.20	20.24	20.14	2	22		
	25	12	20.37	20.38	20.41	20.51	20.34	2	22		
	1	0	20.32	20.17	20.38	20.53	20.26	2	22		
	1	12	20.36	20.31	20.36	20.50	20.36	2	22		
	1	24	20.37	20.44	20.30	20.47	20.41	2	22		
16QAM	12	0	19.12	19.16	19.14	19.30	19.08	3	21		
	12	13	19.21	19.36	19.21	19.36	19.30	3	21		
	12	13	19.23	19.36	19.29	19.41	19.03	3	21		
	25	0	17.24	17.21	17.20	17.51	17.19	5	19		
	1	12	17.09	17.38	17.61	17.66	17.03	5	19		
256QAM	1	24	17.11	17.06	17.44	17.27	17.04	5	19		
	12	0	17.22	17.18	17.20	17.40	17.20	5	19		
	12	0	17.19	17.22	17.16	17.26	17.16	5	19		
	13	12	17.22	17.25	17.23	17.35	17.21	5	19		
	25	0	17.16	17.18	17.18	17.25	17.07	5	19		

Sim-TX_Sensor on & Receiver off_DSI3

n2 (SCS 15 kHz) (Ant0)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376000	380000		
		Frequency (MHz)		1860	1880	1900		
20M	DFT-s-OFDM P/2 BPSK	1	1	23.61	23.55	23.32	0	24.5
		1	53	23.46	23.30	23.36	0	24.5
		1	104	23.52	23.32	23.33	0	24.5
		50	0	23.05	22.97	22.86	0.5	24
		50	28	23.58	23.49	23.44	0	24.5
		50	56	23.04	22.99	22.85	0.5	24
		100	0	23.10	22.95	22.89	0.5	24
	DFT-s-OFDM QPSK	1	1	23.63	23.61	23.49	0	24.5
		1	53	23.51	23.38	23.42	0	24.5
		1	104	23.47	23.40	23.36	0	24.5
		50	0	22.65	22.53	22.46	1	23.5
		50	28	23.61	23.51	23.46	0	24.5
		50	56	22.57	22.48	22.40	1	23.5
		100	0	22.67	22.56	22.56	1	23.5
	DFT-s-OFDM 16QAM	1	1	22.99	22.91	22.61	1	23.5
	DFT-s-OFDM 64QAM	1	1	20.74	20.75	20.45	2.5	22
	DFT-s-OFDM 256QAM	1	1	18.73	18.59	18.46	4.5	20
BW	MCS Index	Channel		371500	376000	380500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5		
15M	DFT-s-OFDM QPSK	1	1	23.59	23.55	23.41		24.5
BW	MCS Index	Channel		371000	376000	381000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1855	1880	1905		
10M	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.39		24.5
BW	MCS Index	Channel		370500	376000	381500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5		
5M	DFT-s-OFDM QPSK	1	1	23.55	23.52	23.44		24.5

n25 (SCS 15 kHz) (Ant0)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376500	381000		
		Frequency (MHz)		1860	1882.5	1905		
20M	DFT-s-OFDM P/2 BPSK	1	1	23.59	23.43	23.48		24.5
		1	53	23.57	23.39	23.58		24.5
		1	104	23.52	23.45	23.50		24.5
		50	0	23.07	22.86	23.08		24
		50	28	23.54	23.33	23.57		24.5
		50	56	23.02	22.83	23.08		24
		100	0	23.03	22.81	23.05		24
	DFT-s-OFDM QPSK	1	1	23.65	23.47	23.60		24.5
		1	53	23.52	23.41	23.53		24.5
		1	104	23.54	23.39	23.57		24.5
		50	0	22.53	22.48	22.65		23.5
		50	28	23.55	23.43	23.52		24.5
		50	56	22.59	22.45	22.48		23.5
		100	0	22.59	22.43	22.55		23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.79	22.75		23.5
	DFT-s-OFDM 64QAM	1	1	20.77	20.65	20.71		22
	DFT-s-OFDM 256QAM	1	1	18.53	18.41	18.52		20
BW	MCS Index	Channel		371500	376500	381500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5		
15M	DFT-s-OFDM QPSK	1	1	23.62	23.53	23.57		24.5
BW	MCS Index	Channel		371000	376500	382000	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910		
10M	DFT-s-OFDM QPSK	1	1	23.59	23.37	23.49		24.5
BW	MCS Index	Channel		370500	376500	382500	3GPP MPR	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5		
5M	DFT-s-OFDM QPSK	1	1	23.55	23.41	23.51		24.5

PC3_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P1/2 BPSK	1	1	22.44	22.47	22.59	24
		1	137	22.34	22.40	22.51	24
		1	271	22.30	22.80	22.54	24
		135	0	22.31	22.32	22.51	23.5
		135	69	22.39	22.37	22.55	24
		135	138	22.24	22.43	22.50	23.5
		270	0	22.31	22.45	22.49	23.5
		1	1	22.46	22.75	22.83	24
	DFT-s-OFDM QPSK	1	137	22.42	22.53	22.72	24
		1	271	22.43	22.72	22.81	24
		135	0	22.28	22.37	22.54	23
		135	69	22.30	22.44	22.68	24
		135	138	22.23	22.42	22.62	23
		270	0	22.32	22.43	22.54	23
		1	1	22.15	22.32	22.49	23
	DFT-s-OFDM 16QAM	1	1	21.79	21.87	21.72	22.5
	DFT-s-OFDM 64QAM	1	1	20.10	19.95	19.95	20.5
	DFT-s-OFDM 256QAM	1	1	20.10	19.95	19.95	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.41	22.70	22.79	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.40	22.73	22.80	24
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.37	22.73	22.81	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.45	22.74	22.82	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.44	22.72	22.77	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
40M	DFT-s-OFDM QPSK	1	1	22.42	22.71	22.78	24
BW	MCS Index	Channel		22.46	22.75	22.83	Max. Tune-up
		Frequency (MHz)		22.46	22.75	22.83	
30M	DFT-s-OFDM QPSK	1	1	22.43	22.76	22.76	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.42	22.70	22.77	24

PC2_n41 (SCS 30 kHz) for FCC (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P1/2 BPSK	1	1	24.45	24.68	24.65	25
		1	137	24.28	24.48	24.63	25
		1	271	24.31	24.65	24.64	25
		135	0	23.80	23.62	23.84	24.5
		135	69	24.26	24.43	24.66	25
		135	138	23.74	24.06	24.22	24.5
		270	0	23.86	23.91	24.18	24.5
	DFT-s-OFDM QPSK	1	1	24.44	24.59	24.74	25
		1	137	24.28	24.37	24.71	25
		1	271	24.35	24.57	24.72	25
		135	0	23.27	23.31	23.52	24
		135	69	24.36	24.43	24.71	25
		135	138	23.31	23.58	23.77	24
		270	0	23.28	23.55	23.64	24
	DFT-s-OFDM 16QAM	1	1	23.32	23.34	23.45	24
	DFT-s-OFDM 64QAM	1	1	21.81	22.01	21.68	22.5
	DFT-s-OFDM 256QAM	1	1	19.71	20.04	19.92	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.41	24.56	24.70	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.42	24.53	24.72	25
BW	MCS Index	Channel		505202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.40	24.57	24.71	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.43	24.56	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.40	24.52	24.73	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.38	24.50	24.70	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.39	24.55	24.67	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.37	24.54	24.64	25

n66 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM PI/2 BPSK	1	1	23.45	23.44	23.43	24.5
		1	80	23.43	23.51	23.28	24.5
		1	158	23.48	23.31	23.17	24.5
		80	0	23.09	23.08	22.95	24
		80	40	23.46	23.50	23.41	24.5
		80	80	23.03	22.98	22.85	24
		160	0	23.06	23.01	22.98	24
	DFT-s-OFDM QPSK	1	1	23.53	23.58	23.49	24.5
		1	80	23.41	23.54	23.39	24.5
		1	158	23.49	23.33	23.32	24.5
		80	0	22.52	22.63	22.45	23.5
		80	40	23.44	23.49	23.45	24.5
		80	80	22.56	22.51	22.36	23.5
		160	0	22.62	22.63	22.43	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.62	22.62	23.5
	DFT-s-OFDM 64QAM	1	1	20.53	20.58	20.48	22
	DFT-s-OFDM 256QAM	1	1	18.55	18.62	18.57	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.51	23.56	23.44	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.51	23.41	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.44	23.45	23.38	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.47	23.52	22.42	24.5

Sim-TX Sensor on & Receiver off DSI3

CA_2C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
18700	1860	18898	1879.8	QPSK	1	99	1	0	23.81	24
				16QAM	1	99	1	0	22.82	23
				64QAM	1	99	1	0	21.71	22
				256QAM	1	99	1	0	18.84	19
18801	1870.1	18999	1889.9	QPSK	1	99	1	0	23.83	24
				16QAM	1	99	1	0	22.84	23
				64QAM	1	99	1	0	21.75	22
				256QAM	1	99	1	0	18.89	19
18902	1880.2	19100	1900	QPSK	1	99	1	0	23.86	24
				16QAM	1	99	1	0	22.87	23
				64QAM	1	99	1	0	21.84	22
				256QAM	1	99	1	0	18.81	19

CA_5B ANT0										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	23.73	24
				16QAM	1	49	1	0	22.91	23
				64QAM	1	49	1	0	19.88	22
				256QAM	1	49	1	0	18.96	19
20476	831.6	20575	841.5	QPSK	1	49	1	0	23.83	24
				16QAM	1	49	1	0	22.84	23
				64QAM	1	49	1	0	21.87	22
				256QAM	1	49	1	0	18.87	19
20501	834.1	20600	844	QPSK	1	49	1	0	23.88	24
				16QAM	1	49	1	0	22.85	23
				64QAM	1	49	1	0	21.83	22
				256QAM	1	49	1	0	18.81	19

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	21.20	21.5
				16QAM	1	99	1	0	20.32	20.5
				64QAM	1	99	1	0	19.28	19.5
				256QAM	1	99	1	0	16.19	16.5
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	21.23	21.5
				16QAM	1	99	1	0	20.29	20.5
				64QAM	1	99	1	0	19.32	19.5
				256QAM	1	99	1	0	16.18	16.5
21152	2540.2	21350	2560	QPSK	1	99	1	0	21.31	21.5
				16QAM	1	99	1	0	20.40	20.5
				64QAM	1	99	1	0	19.31	19.5
				256QAM	1	99	1	0	16.47	16.5

CA_12B ANT0										
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
23038	701.8	23110	709	QPSK	1	24	1	0	23.24	24
				16QAM	1	24	1	0	22.58	23
				64QAM	1	24	1	0	21.11	22
				256QAM	1	24	1	0	18.55	19
23048	702.8	23120	710	QPSK	1	24	1	0	23.21	24
				16QAM	1	24	1	0	22.57	23
				64QAM	1	24	1	0	21.04	22
				256QAM	1	24	1	0	18.60	19
23058	703.8	23130	711	QPSK	1	24	1	0	23.35	24
				16QAM	1	24	1	0	22.67	23
				64QAM	1	24	1	0	21.19	22
				256QAM	1	24	1	0	18.62	19

CA_38C Ant0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.31	24.5
				16QAM	1	99	1	0	23.33	23.5
				64QAM	1	99	1	0	22.40	22.5
				256QAM	1	99	1	0	19.38	19.5
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.23	24.5
				16QAM	1	99	1	0	23.29	23.5
				64QAM	1	99	1	0	22.29	22.5
				256QAM	1	99	1	0	19.36	19.5
37952	2590.2	38150	2610	QPSK	1	99	1	0	24.18	24.5
				16QAM	1	99	1	0	23.22	23.5
				64QAM	1	99	1	0	22.20	22.5
				256QAM	1	99	1	0	19.31	19.5

CA_41C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
39750	2506	39948	2525.8	QPSK	1	99	1	0	22.63	24
				16QAM	1	99	1	0	21.53	23
				64QAM	1	99	1	0	20.71	22
				256QAM	1	99	1	0	17.61	19
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.01	24
				16QAM	1	99	1	0	21.97	23
				64QAM	1	99	1	0	21.07	22
				256QAM	1	99	1	0	17.93	19
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.11	24
				16QAM	1	99	1	0	22.03	23
				64QAM	1	99	1	0	21.19	22
				256QAM	1	99	1	0	18.04	19

CA_42C ANT7 Part27Q										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
42190	3460	42388	3479.8	QPSK	1	99	1	0	23.55	24.5
				16QAM	1	99	1	0	22.62	23.5
				64QAM	1	99	1	0	21.76	22.5
				256QAM	1	99	1	0	18.82	19.5
42491	3490.1	42689	3509.9	QPSK	1	99	1	0	23.48	24.5
				16QAM	1	99	1	0	22.54	23.5
				64QAM	1	99	1	0	21.54	22.5
				256QAM	1	99	1	0	18.77	19.5
42792	3520.2	42990	3540	QPSK	1	99	1	0	23.64	24.5
				16QAM	1	99	1	0	22.67	23.5
				64QAM	1	99	1	0	21.56	22.5
				256QAM	1	99	1	0	18.85	19.5

CA_42C ANT7 Part96										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power	Max Tune-up
					RB Size	RB offset	RB Size	RB offset		
43190	3560	43388	3579.8	QPSK	1	99	1	0	23.53	24.5
				16QAM	1	99	1	0	22.60	23.5
				64QAM	1	99	1	0	21.66	22.5
				256QAM	1	99	1	0	18.71	19.5
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	23.38	24.5
				16QAM	1	99	1	0	22.48	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.73	19.5
43292	3570.2	43490	3590	QPSK	1	99	1	0	23.57	24.5
				16QAM	1	99	1	0	22.66	23.5
				64QAM	1	99	1	0	21.45	22.5
				256QAM	1	99	1	0	18.71	19.5

ENDC_Receiver_on_DSH

LTE Band 2 (Avt2)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max.	Time-out (ms)	Max. Turn-on (ms)
		Channel	Frequency (MHz)	1880	1885	1890	MPR (dB)	Power (dBm)		
20M	QPSK	1	0	18 75	18 75	18 75	0	19		
		1	50	18 57	18 71	18 41	0	19		
		1	99	18 73	18 43	18 39	0	19		
		50	0	17 71	17 73	17 53	1	18		
		50	50	17 58	17 57	17 37	1	18		
		100	0	17 58	17 41	17 48	1	18		
		1	50	17 46	17 73	17 40	1	18		
		1	99	17 78	17 73	17 53	1	18		
		1	99	17 79	17 68	17 51	1	18		
		50	0	16 84	16 84	16 57	2	17		
20M	QPSK	1	0	16 81	16 82	16 52	2	17		
		1	50	16 58	16 72	16 49	2	17		
		1	99	16 52	16 39	16 33	2	17		
		50	0	15 92	15 76	15 57	3	16		
		50	50	15 86	15 60	15 45	3	16		
		50	50	15 76	15 49	15 36	3	16		
		100	0	15 86	15 57	15 49	3	16		
		1	50	15 71	15 54	15 47	3	14		
		1	99	15 51	15 58	15 53	5	14		
		50	0	13 53	13 79	13 41	5	14		
20M	QPSK	1	0	13 53	13 79	13 41	5	14		
		50	0	13 53	13 79	13 41	5	14		
		50	50	13 79	13 53	13 41	5	14		
		100	0	13 79	13 53	13 41	5	14		
		1	50	13 71	13 54	13 47	5	14		
		1	99	13 51	13 58	13 53	5	14		
		50	0	11 53	11 79	11 41	5	14		
		50	50	11 53	11 79	11 41	5	14		
		100	0	11 53	11 79	11 41	5	14		
		1	50	11 53	11 79	11 41	5	14		
20M	QPSK	1	0	11 53	11 79	11 41	5	14		
		1	50	11 53	11 79	11 41	5	14		
		1	99	11 53	11 79	11 41	5	14		
		50	0	9 53	9 79	9 41	5	14		
		50	50	9 53	9 79	9 41	5	14		
		100	0	9 53	9 79	9 41	5	14		
		1	50	9 53	9 79	9 41	5	14		
		1	99	9 53	9 79	9 41	5	14		
		50	0	7 53	7 79	7 41	5	14		
		50	50	7 53	7 79	7 41	5	14		
20M	QPSK	1	0	7 53	7 79	7 41	5	14		
		1	50	7 53	7 79	7 41	5	14		
		1	99	7 53	7 79	7 41	5	14		
		50	0	5 53	5 79	5 41	5	14		
		50	50	5 53	5 79	5 41	5	14		
		100	0	5 53	5 79	5 41	5	14		
		1	50	5 53	5 79	5 41	5	14		
		1	99	5 53	5 79	5 41	5	14		
		50	0	3 53	3 79	3 41	5	14		
		50	50	3 53	3 79	3 41	5	14		
20M	QPSK	1	0	3 53	3 79	3 41	5	14		
		1	50	3 53	3 79	3 41	5	14		
		1	99	3 53	3 79	3 41	5	14		
		50	0	1 53	1 79	1 41	5	14		
		50	50	1 53	1 79	1 41	5	14		
		100	0	1 53	1 79	1 41	5	14		
		1	50	1 53	1 79	1 41	5	14		
		1	99	1 53	1 79	1 41	5	14		
		50	0	0 53	0 79	0 41	5	14		
		50	50	0 53	0 79	0 41	5	14		
20M	QPSK	1	0	0 53	0 79	0 41	5	14		
		1	50	0 53	0 79	0 41	5	14		
		1	99	0 53	0 79	0 41	5	14		
		50	0	0 53	0 79	0 41	5	14		
		50	50	0 53	0 79	0 41	5	14		
		100	0	0 53	0 79	0 41	5	14		
		1	50	0 53	0 79	0 41	5	14		
		1	99	0 53	0 79	0 41	5	14		
		50	0	0 53	0 79	0 41	5	14		
		50	50	0 53	0 79	0 41	5	14		

LTE Band 4 (Avt2)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Power	Time-out (ms)	Max. Turn-on (ms)
		Channel	Frequency (MHz)	1710	1715	1720	MPR (dB)	Power (dBm)		
20M	QPSK	1	0	17 17	17 18	17 19	0	19		
		1	50	17 15	17 07	17 01	0	19		
		1	99	17 15	17 07	17 01	0	19		
		50	0	16 22	16 21	16 17	1	18		
		50	50	16 24	16 17	16 11	1	18		
		100	0	16 22	16 21	16 17	1	18		
		1	50	16 19	16 12	16 10	1	18		
		1	99	16 19	16 06	16 01	1	18		
		50	0	15 25	15 22	15 21	2	17		
		50	50	15 24	15 14	15 10	2	17		
20M	QPSK	1	0	15 25	15 22	15 21	2	17		
		1	50	15 25	15 15	15 11	2	17		
		1	99	15 25	15 15	15 11	2	17		
		50	0	14 32	14 31	14 28	3	16		
		50	50	14 32	14 21	14 17	3	16		
		100	0	14 32	14 31	14 28	3	16		
		1	50	14 29	14 22	14 20	3	16		
		1	99	14 29	14 16	14 11	3	16		
		50	0	13 39	13 38	13 35	3	16		
		50	50	13 39	13 28	13 24	3	16		
20M	QPSK	1	0	13 39	13 38	13 35	3	16		
		1	50	13 39	13 28	13 24	3	16		
		1	99	13 39	13 28	13 24	3	16		
		50	0	12 46	12 45	12 42	3	16		
		50	50	12 46	12 35	12 31	3	16		
		100	0	12 46	12 45	12 42	3	16		
		1	50	12 43	12 36	12 34	3	16		
		1	99	12 43	12 30	12 25	3	16		
		50	0	11 53	11 52	11 49	3	16		
		50	50	11 53	11 42	11 38	3	16		
20M	QPSK	1	0	11 53	11 52	11 49	3	16		
		1	50	11 53	11 42	11 38	3	16		
		1	99	11 53	11 42	11 38	3	16		
		50	0	10 60	10 59	10 56	3	16		
		50	50	10 60	10 49	10 45	3	16		
		100	0	10 60	10 59	10 56	3	16		
		1	50	10 57	10 50	10 48	3	16		
		1	99	10 57	10 44	10 39	3	16		
		50	0	9 67	9 66	9 63	3	16		
		50	50	9 67	9 56	9 52	3	16		
20M	QPSK	1	0	9 67	9 66	9 63	3	16		
		1	50	9 67	9 56	9 52	3	16		
		1	99	9 67	9 56	9 52	3	16		
		50	0	8 74	8 73	8 70	3	16		
		50	50	8 74	8 63	8 59	3	16		
		100	0	8 74	8 73	8 70	3	16		
		1	50	8 71	8 64	8 62	3	16		
		1	99	8 71	8 58	8 53	3	16		
		50	0	7 81	7 80	7 77	3	16		
		50	50	7 81	7 70	7 66	3	16		
20M	QPSK	1	0	7 81	7 80	7 77	3	16		
		1	50	7 81	7 70	7 66	3	16		
		1	99	7 81	7 70	7 66	3	16		
		50	0	6 88	6 87	6 84	3	16		
		50	50	6 88	6 77	6 73	3	16		
		100	0	6 88	6 87	6 84	3	16		
		1	50	6 85	6 78	6 76	3	16		
		1	99	6 85	6 72	6 67	3	16		
		50	0	5 95	5 94	5 91	3	16		
		50	50	5 95	5 84	5 80	3	16		
20M	QPSK	1	0	5 95	5 94	5 91	3	16		
		1	50	5 95	5 84	5 80	3	16		
		1	99	5 95	5 84	5 80	3	16		
		50	0	4 02	4 01	3 58	3	16		
		50	50	4 02	3 91	3 87	3	16		
		100	0	4 02	4 01	3 58	3	16		
		1	50	3 99	3 92	3 90	3	16		
		1	99	3 99	3 86	3 81	3	16		
		50	0	3 07	3 06	3 03	3	16		
		50	50	3 07	2 96	2 92	3	16		
20M	QPSK	1	0	3 07	3 06	3 03	3	16		
		1	50	3 07	2 96	2 92	3	16		
		1	99	3 07	2 96	2 92	3	16		
		50	0	2 14	2 13	2 10	3	16		
		50	50	2 14	2 03	1 99	3	16		
		100	0	2 14	2 13	2 10	3	16		
		1	50	2 11	2 04	2 02	3	16		
		1	99	2 11	1 98	1 93	3	16		
		50	0	1 21	1 20	1 17	3	16		
		50	50	1 21	1 10	1 06	3	16		
20M	QPSK	1	0	1 21	1 20	1 17	3	16		
		1	50	1 21	1 10	1 06	3	16		
		1	99	1 21	1 10	1 06	3	16		
		50	0	0 28	0 27	0 24	3	16		
		50	50	0 28	0 17	0 13	3	16		
		100	0	0 28	0 27	0 24	3	16		
		1	50	0 25	0 18	0 16	3	16		
		1	99	0 25	0 12	0 07	3	16		
		50	0	-0 67	-0 66	-0 63	3	16		
		50	50	-0 67	-0 78	-0 82	3	16		
20M	QPSK	1	0	-0 67	-0 66	-0 63	3	16		
		1	50	-0 67	-0 78	-0 82	3	16		
		1	99	-0 67	-0 78	-0 82	3	16		
		50	0	-1 74	-1 73	-1 70	3	16		
		50	50	-1 74	-1 85	-1 89	3	16		
		100	0	-1 74	-1 73	-1 70	3	16		
		1	50	-1 71	-1 84	-1 88	3	16		
		1	99	-1 71	-1 88	-1 93	3	16		
		50	0	-2 79	-2 78	-2 75	3	16		
		50	50	-2 79	-2 90	-2 94	3	16		
20M	QPSK	1	0	-2 79	-2 78	-2 75	3	16		
		1	50	-2 79	-2 90	-2 94	3	16		
		1	99	-2 79	-2 90	-2 94	3	16		
		50	0	-3 86	-3 85	-3 82	3	16		
		50	50	-3 86	-3 97	-4 01	3	16		
		100	0	-3 86	-3 85	-3 82	3	16		
		1	50	-3 83	-3 96	-3 99	3	16		
		1	99	-3 83	-3 96	-4 01	3	16		
		50	0	-4 93	-4 92	-4 89	3	16		
		50	50	-4 93	-5 04	-5 08	3	16		
20M	QPSK	1	0	-4 93	-4 92	-4 89	3	16		
		1	50	-4 93	-5 04	-5 08	3	16		
		1	99	-4 93	-5 04	-5 08	3	16		
		50	0	-6 00	-5 99	-5 96	3	16		
		50	50	-6 00	-6 11	-6 15	3	16		
		100	0	-6 00	-5 99	-5 96	3	16		
		1	50	-5 97	-6 10	-6 13	3	16		
		1	99	-5 97	-6 10	-6 15	3	16		
		50	0	-7 07	-7 06	-7 03	3	16		
		50	50	-7 07	-7 18	-7 22	3	16		
20M	QPSK	1	0	-7 07	-7 06	-7 03	3	16		
		1	50	-7 07	-7 18	-7 22	3	16		
		1	99	-7 07	-7 18	-7 22	3	16		
		50	0	-8 14	-8 13	-8 10	3	16		
		50	50	-8 14	-8 25	-8 29	3	16		
		100	0	-8 14	-8 13	-8 10	3	16		
		1	50	-8 11	-8 24	-8 27	3	16		
		1	99	-8 11	-8 24	-8 29	3	16		
		50	0	-9 21	-9 20	-9 17	3	16		
		50	50	-9 21	-9 32	-9 36	3	16		
20M	QPSK	1	0	-9 21	-9 20	-9 17	3	16		
		1	50	-9 21	-9 32	-9 36	3	16		
		1	99	-9 21	-9 32	-9 36	3	16		
		50	0	-10 28	-10 27	-10 24	3	16		
		50	50	-10 28	-10 39	-10 43	3	16		
		100	0	-10 28	-10 27	-10 24	3	16		
		1	50	-10 25	-10 38	-10 41	3	16		
		1	99	-10 25	-10 38	-10 43	3	16		
		50	0	-11 35	-11 34	-11 31	3	16		
		50	50	-11 35	-11 46	-11 50	3	16		
20M	QPSK	1	0	-11 35	-11 34	-11 31	3	16		
		1	50	-11 35	-11 46	-11 50	3	16		
		1	99	-11 35	-11 46	-11 50	3	16		
		50	0	-12 42	-12 41	-12 38	3	16		
		50	50	-12 42	-12 53	-12 57	3	16		
		100	0	-12 42	-12 41	-12 38	3	16		
		1	50	-12 39	-12 52	-12 55	3	16		
		1	99	-12 39	-12 52	-12 57	3	16		
		50	0	-13 49	-13 48	-13 45	3	16		
		50	50	-13 49	-13 60	-13 64	3	16		
20M	QPSK	1	0	-13 49	-13 48	-13 45	3	16		
		1	50	-13 49	-13 60	-13 64	3	16		
		1	99	-13 49	-13 60	-13 64	3	16		
		50	0	-14 56	-14 55	-14 52	3	16		
		50	50	-14 56	-14 67	-14 71	3	16		
		100	0	-14 56	-14 55	-14 52	3	16		
		1	50	-14 53	-14 66	-14 69	3	16		
		1	99	-14 53	-14 66	-14 71	3	16		
		50	0	-15 63	-15 62	-15 59	3	16		
		50	50	-15 63	-15 74	-15 78	3	16		
20M	QPSK	1	0	-15 63	-15 62	-15 59	3	16		
		1	50	-15 63	-15 74	-15 78	3	16		
		1	99	-15 63	-15 74	-15 78	3	16		
		50	0	-16 70	-16 69	-16 66	3	16		
		50	50	-16 70	-16 81	-16 85	3	16		
		100	0	-16 70	-16 69	-16 66	3	16		
		1	50	-16 67	-16 80	-16 83	3	16		
		1	99	-16 67	-16 80	-16 85	3	16		
		50	0	-17 77	-17 76	-17 73	3	16		
		50	50	-17 77	-17 88	-17 92	3	16		
20M	QPSK	1	0	-17 77	-17 76	-17 73	3	16		
		1	50	-17 77	-17 88	-17 92	3	16		
		1	99	-17 77	-17 88	-17 92	3	16		
		50	0	-18 84	-18 83	-18 80	3	16		
		50	50	-18 84	-18 95	-18 99	3	16		
		100	0	-18 84	-18 83	-18 80	3	16		
		1	50	-18 81	-18 94	-18 97	3			

LTE Band 7 (Axi)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max	Time-avg	Power (dBm)
		Channel	20MHz	21MHz	21MHz	21MHz	MPK (dB)	Time-avg (dBm)		
20M	QPSK	1	0	23.63	23.24	23.40	0	24		
		1	50	23.30	23.22	23.38	0	24		
		1	99	23.18	23.19	23.20	0	24		
		50	0	22.47	22.20	22.38	1	23		
		50	50	22.22	22.20	22.24	1	23		
		100	0	22.34	22.26	22.23	1	23		
		1	50	22.64	22.48	22.58	1	23		
		1	99	22.47	22.36	22.55	1	23		
		50	0	21.52	21.21	21.26	2	22		
		50	25	21.41	21.26	21.52	2	22		
20M	16QAM	1	0	21.68	21.45	21.67	2	22		
		1	50	21.44	21.37	21.54	2	22		
		1	99	21.25	21.33	21.43	2	22		
		50	0	20.56	20.29	20.34	3	21		
		50	50	20.59	20.26	20.28	3	21		
		100	0	20.25	20.30	20.40	3	21		
		100	0	20.38	20.28	20.37	3	21		
		1	50	18.47	18.40	18.42	5	19		
		1	99	18.24	18.45	18.36	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.55	18.36	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
		50	25	18.30	18.28	18.35	5	19		
		50	50	18.27	18.23	18.44	5	19		
		100	0	18.43	18.28	18.34	5	19		
		100	0	18.43	18.28	18.34	5	19		
		1	50	18.44	18.38	18.49	5	19		
		1	99	18.20	18.41	18.38	5	19		
		50	0	18.57	18.39	18.37	5	19		
20M	28QAM	1	0	18.44	18.38	18.49	5	19		
		1	50	18.20	18.41	18.38	5	19		
		50	0							

LTE Band 14 (AxiD)									
BW	Modulation	RB Size	RB Offset	Mid	SSB	SSB	SSB	SSB	SSB
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
10M	QPSK	Frequency (MHz)	785	785	785	785	785	785	785
		1	0	23.53	0	24	0	24	0
		1	24	23.56	0	24	0	24	0
		1	49	23.42	0	24	0	24	0
		25	0	22.45	1	23	0	23	0
	16QAM	25	0	22.39	1	23	0	23	0
		25	0	22.39	1	23	0	23	0
		25	0	22.45	1	23	0	23	0
		25	0	22.45	1	23	0	23	0
		25	0	22.45	1	23	0	23	0
10M	16QAM	25	0	21.73	2	22	0	22	0
		1	24	21.70	2	22	0	22	0
		1	49	21.64	2	22	0	22	0
		25	0	21.43	2	22	0	22	0
		25	0	21.43	2	22	0	22	0
	64QAM	25	0	20.55	3	21	0	21	0
		25	0	20.44	3	21	0	21	0
		25	0	20.44	3	21	0	21	0
		25	0	20.44	3	21	0	21	0
		25	0	20.44	3	21	0	21	0
10M	16QAM	25	0	18.59	5	19	0	19	0
		1	49	18.50	5	19	0	19	0
		25	0	18.53	5	19	0	19	0
		25	0	18.48	5	19	0	19	0
		25	0	18.45	5	19	0	19	0
	64QAM	25	0	18.59	5	19	0	19	0
		25	0	18.59	5	19	0	19	0
		25	0	18.59	5	19	0	19	0
		25	0	18.59	5	19	0	19	0
		25	0	18.59	5	19	0	19	0
20M	QPSK	Frequency (MHz)	786.5	786.5	786.5	786.5	786.5	786.5	786.5
		1	0	23.56	23.56	23.56	0	24	0
		1	12	23.58	23.59	23.59	0	24	0
		1	25	23.55	23.53	23.53	0	24	0
		12	0	22.88	22.43	22.41	1	23	0
	16QAM	12	0	22.83	22.38	22.36	1	23	0
		12	13	22.18	22.28	22.21	1	23	0
		25	0	22.21	22.32	22.31	1	23	0
		25	0	22.48	22.28	22.45	1	23	0
		1	12	22.56	22.66	22.57	1	23	0
20M	16QAM	1	24	22.44	22.31	22.41	1	23	0
		1	5	21.33	21.45	21.32	1	22	0
		12	0	21.22	21.34	21.25	1	22	0
		12	12	21.37	21.37	21.38	1	22	0
		25	0	21.25	21.31	21.25	1	22	0
	64QAM	1	8	20.88	21.63	21.59	2	22	0
		12	0	21.53	21.58	21.57	2	22	0
		1	24	21.52	21.63	21.49	2	22	0
		12	0	20.39	20.33	20.47	3	21	0
		1	24	20.34	20.44	20.38	3	21	0
20M	16QAM	25	0	20.29	20.31	20.30	3	21	0
		25	0	20.33	20.31	20.32	3	21	0
		25	0	20.46	20.33	20.43	3	21	0
		1	12	19.43	19.47	19.46	5	19	0
		24	0	19.45	19.46	19.39	5	19	0
	64QAM	12	0	19.32	19.43	19.41	5	19	0
		12	0	18.25	18.34	18.26	5	19	0
		12	0	18.22	18.32	18.24	5	19	0
		25	0	18.32	18.46	18.37	5	19	0
		25	0	18.32	18.46	18.37	5	19	0

LTE Band 25 (AxiD)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SSB	SSB	Max. Time-avg. Power (dBm)
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	
10M	QPSK	Frequency (MHz)	1885	1885	1885	1885	1885	1885	1885
		1	0	18.70	18.61	18.26	0	19	0
		1	50	18.74	18.67	18.30	0	19	0
		1	50	18.59	18.41	18.07	0	19	0
		50	0	17.69	17.60	17.49	1	18	0
	16QAM	50	25	17.64	17.55	17.47	1	18	0
		50	50	17.63	17.45	17.39	1	18	0
		100	0	17.75	17.65	17.38	1	18	0
		1	0	17.76	17.73	17.74	1	18	0
		1	99	17.86	17.59	17.50	1	18	0
20M	16QAM	50	0	16.86	16.67	16.47	1	18	0
		50	25	16.84	16.64	16.33	2	17	0
		50	50	16.83	16.55	16.30	2	17	0
		100	0	16.93	16.87	16.27	2	17	0
		1	0	16.96	16.72	16.70	2	17	0
	64QAM	1	0	16.76	16.72	16.81	2	17	0
		1	99	16.78	16.56	16.81	2	17	0
		1	99	16.83	16.56	16.55	2	17	0
		50	0	16.75	16.60	16.53	3	16	0
		50	25	16.69	16.61	16.49	3	16	0
250QM	16QAM	50	50	16.54	16.45	16.43	3	16	0
		100	0	16.51	16.58	16.47	3	16	0
		1	0	16.76	16.73	16.74	3	16	0
		1	50	16.84	16.88	16.87	3	16	0
		1	99	16.77	16.81	16.83	5	14	0
	64QAM	50	25	16.76	16.68	16.61	5	14	0
		50	50	16.73	16.63	16.54	5	14	0
		50	50	16.73	16.63	16.54	5	14	0
		50	50	16.73	16.63	16.54	5	14	0
		100	0	16.73	16.63	16.54	5	14	0
30M	QPSK	Channel	2080	2040	2040	2080	2080	2080	2080
		Frequency (MHz)	1887.5	1885	1885	1887.5	1885	1885	1887.5
		1	0	18.70	18.61	18.26	0	19	0
		1	37	18.69	18.67	18.47	0	19	0
		1	74	18.68	18.67	18.27	0	19	0
	16QAM	1	74	18.68	18.67	18.27	0	19	0
		38	0	17.69	17.60	17.49	1	18	0
		38	19	17.68	17.59	17.49	2	17	0
		38	39	17.67	17.58	17.49	2	17	0
		38	59	17.66	17.57	17.49	2	17	0
64QAM	16QAM	37	0	16.76	16.72	16.70	2	17	0
		1	74	16.75	16.71	16.70	2	17	0
		38	0	16.76	16.72	16.70	2	17	0
		38	19	16.75	16.71	16.70	2	17	0
		38	39	16.74	16.70	16.70	2	17	0
	64QAM	38	0	16.76	16.72	16.70	2	17	0
		38	19	16.75	16.71	16.70	2	17	0
		38	39	16.74	16.70	16.70	2	17	0
		38	59	16.73	16.69	16.69	2	17	0
		38	79	16.72	16.68	16.68	2	17	0
250QM	16QAM	1	0	16.76	16.72	16.70	2	17	0
		1	37	16.75	16.71	16.70	2	17	0
		38	0	16.76	16.72	16.70	2	17	0
		38	19	16.75	16.71	16.70	2	17	0
		38	39	16.74	16.70	16.70	2	17	0
	64QAM	38	0	16.76	16.72	16.70	2	17	0
		38	19	16.75	16.71	16.70	2	17	0
		38	39	16.74	16.70	16.70	2	17	0
		38	59	16.73	16.69	16.69	2	17	0
		38	79	16.72	16.68	16.68	2	17	0
30M	QPSK	Channel	2080	2040	2040	2080	2080	2080	2080
		Frequency (MHz)	1887.5	1885	1885	1887.5	1885	1885	1887.5
		1	0	18.70	18.61	18.26	0	19	0
		1	24	18.69	18.67	18.27	0	19	0
		1	49	18.68	18.67	18.07	0	19	0
	16QAM	1	24	18.68	18.67	18.07	0	19	0
		25	0	17.69	17.60	17.49	1	18	0
		25	12	17.68	17.59	17.49	1	18	0
		25	25	17.67	17.58	17.49	1	18	0
		25	37	17.66	17.57	17.49	1	18	0
64QAM	25	0	16.76	16.72	16.70	2	17	0	
	25	12	16.75	16.71	16.70	2	17	0	
	25	25	16.74	16.70	16.70	2	17	0	
	25	37	16.73	16.69	16.69	2	17	0	
	25	49	16.72	16.68	16.68	2	17	0	
250QM	16QAM	1	24	16.75	16.71	16.70	2	17	0
		1	49	16.74	16.70	16.70	2	17	0
		25	0	16.76	16.72	16.70	2	17	0
		25	0	16.76	16.72	16.70	2	17	0
		25	25	16.75	16.71	16.70	2	17	0
	64QAM	25	0	16.76	16.72	16.70	2	17	0
		25	12	16.75	16.71	16.70	2	17	0
		25	25	16.74	16.70	16.70	2	17	0
		25	37	16.73	16.69	16.69	2	17	0
		25	49	16.72	16.68	16.68	2	17	0
30M	QPSK	Channel	2080	2040	2040	2080	2080	2080	2080
		Frequency (MHz)	1887.5	1885	1885	1887.5	1885	1885	1887.5
		1	0	18.70	18.61	18.26	0	19	0
		1	12	18.69	18.67	18.27	0	19	0
		1	24	18.68	18.67	18.07	0	19	0
	16QAM	1	12	18.68	18.67	18.07	0	19	0
		12	0	17.69	17.60	17.49	1	18	0
		12	13	17.68	17.59	17.49	1	18	0
		12	25	17.67	17.58	17.49	1	18	0
		12	37	17.66	17.57	17.49	1	18	0
64QAM	12	0	16.76	16.72	16.70	2	17	0	
	12	13	16.75	16.71	16.70	2	17	0	
	12	25	16.74	16.70	16.70	2	17	0	
	12	37	16.73	16.69	16.69	2	17	0	
	12	49	16.72	16.68	16.68	2	17	0	
250QM	16QAM	1	24	16.75	16.71	16.70	2	17	0
		1	49	16.74	16.70	16.70	2	17	0
		12	0	16.76	16.72	16.70	2	17	0
		12	8	16.75	16.71	16.70	2	17	0
		12	13	16.74	16.70	16.70	2	17	0
	64QAM	12	0	16.76	16.72	16.70	2	17	0
		12	8	16.75	16.71	16.70	2	17	0
		12	13	16.74	16.70	16.70	2	17	0
		12	25	16.73	16.69	16.69	2	17	0
		12	37	16.72	16.68	16.68	2	17	0
30M	QPSK	Channel	2080	2040	2040	2080	2080	2080	2080
		Frequency (MHz)	1887.5	1885	1885	1887.5	1885	1885	1887.5
		1	0	18.70	18.61	18.26	0	19	0
		1	7	18.69	18.67	18.27	0	19	0
		1	14	18.68	18.67	18.07	0	19	0
	16QAM	1	7	18.68	18.67	18.07	0	19	0
		8	0	17.69	17.60	17.49	1	18	0
		8	7	17.68	17.59	17.49	1	18	0
		15	0	16.76	16.72	16.70	2	17	0
		1	14	16.75	16.71	16.70	2	17	0
64QAM	1	7	16.76	16.72	16.70	2	17	0	
	1	14	16.75	16.71	16.70	2	17	0	
	8	0	16.76	16.72	16.70	2	17	0	
	8	7	16.75	16.71	16.70	2	17	0	
	15	0	16.76	16.72	16.70	2	17	0	
250QM	16QAM	1	0	16.76	16.72	16.70	2	17	0
		1	7	16.75	16.71	16.70	2	17	0
		8	0	16.76	16.72	16.70	2	17	0
		8	7	16.75	16.71	16.70	2	17	0
		15	0	16.76	16.72	16.70	2	17	0
	64QAM	8	0	16.76	16.72	16.70	2	17	0
		8	7	16.75	16.71	16.70	2	17	0
		15	0	16.76	16.72	16.70	2	17	0
		15	7	16.75	16.71	16.70	2	17	0
		15	14	16.74	16.70	16.70	2	17	0
30M	QPSK	Channel	2080	2040	2040	2080	2080	2080	2080
		Frequency (MHz)	1887.5	1885	1885	1887.5	1885	1885	1887.5
		1	0	18.70	18.61	18.26	0	19	0
		1	2	18.69	18.67	18.27	0	19	0
		1	5	18.68	18.67	18.07	0	19	0
	16QAM	1	2	18.68	18.67	18.07	0	19	0
		1	5	18.67	18.66	18.07	0	19	0
		3	0	17.69	17.60	17.49	1	18	0
		3	1	17.68	17.59	17.49	1	18	0
		3	5	17.67	17.58	17.49	1	18	0
64QAM	3	0	16.76	16.72	16.70	2	17	0	
	3	1	16.75	16.71	16.70	2	17	0	
	3	5	16.74	16.70	16.70	2	17	0	
	3	1	16.73	16.69	16.69	2	17	0	
	3	5	16.72	16.68	16.68	2	17	0	
250QM	16QAM	3	0	16.76	16.72	16.70	2	17	0
		3	1	16.75	16.71	16.70	2	17	0
		3	5	16.74	16.70	16.70	2	17	0
		3	1	16.73	16.69	16.69	2	17	0
		3	5	16.72	16.68	16.68	2	17	0
	64QAM	3	0	16.76	16.72	16.70	2	17	0
		3	1	16.75	16.71	16.70	2	17	0
		3	5	16.74	16.70	16.70	2	17	0
		3	1	16.73	16.69	16.69	2	17	0
		3	5	16.72	16.68	16.68	2	17	0

LTE Band 26 for FCC (Ant)									
BW	MCS Index	RB Size	RB Offset	Mid	Low	High	SCPF MPR (dB)	Max. Time-adj. (dB)	Max. Time-adj. (dB)
		Channel	Frequency (MHz)	2510	2515	2515			
GSM	QPSK	1	0	22.98	22.98	23.02	0	24	0
		1	24	22.98	22.98	23.02	0	24	0
		1	48	22.98	22.98	23.02	0	24	0
		1	72	22.98	22.98	23.02	0	24	0
		1	96	22.98	22.98	23.02	0	24	0
		1	120	22.98	22.98	23.02	0	24	0
		1	144	22.98	22.98	23.02	0	24	0
		1	168	22.98	22.98	23.02	0	24	0
		1	192	22.98	22.98	23.02	0	24	0
		1	216	22.98	22.98	23.02	0	24	0
		1	240	22.98	22.98	23.02	0	24	0
		1	264	22.98	22.98	23.02	0	24	0
GSM	QPSK	1	0	21.21	21.21	21.25	0	24	0
		1	24	21.21	21.21	21.25	0	24	0
		1	48	21.21	21.21	21.25	0	24	0
		1	72	21.21	21.21	21.25	0	24	0
		1	96	21.21	21.21	21.25	0	24	0
		1	120	21.21	21.21	21.25	0	24	0
		1	144	21.21	21.21	21.25	0	24	0
		1	168	21.21	21.21	21.25	0	24	0
		1	192	21.21	21.21	21.25	0	24	0
		1	216	21.21	21.21	21.25	0	24	0
		1	240	21.21	21.21	21.25	0	24	0
		1	264	21.21	21.21	21.25	0	24	0
GSM	QPSK	1	0	20.06	20.06	20.10	0	24	0
		1	24	20.06	20.06	20.10	0	24	0
		1	48	20.06	20.06	20.10	0	24	0
		1	72	20.06	20.06	20.10	0	24	0
		1	96	20.06	20.06	20.10	0	24	0
		1	120	20.06	20.06	20.10	0	24	0
		1	144	20.06	20.06	20.10	0	24	0
		1	168	20.06	20.06	20.10	0	24	0
		1	192	20.06	20.06	20.10	0	24	0
		1	216	20.06	20.06	20.10	0	24	0
		1	240	20.06	20.06	20.10	0	24	0
		1	264	20.06	20.06	20.10	0	24	0

LTE Band 26 for ICAPCC (Ant)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF MPR (dB)	Max. Time-adj. (dB)	Max. Time-adj. (dB)
		Channel	Frequency (MHz)	2515	2515	2515			
GSM	QPSK	1	0	22.94	22.93	23.13	0	24	0
		1	24	22.94	22.93	23.13	0	24	0
		1	48	22.94	22.93	23.13	0	24	0
		1	72	22.94	22.93	23.13	0	24	0
		1	96	22.94	22.93	23.13	0	24	0
		1	120	22.94	22.93	23.13	0	24	0
		1	144	22.94	22.93	23.13	0	24	0
		1	168	22.94	22.93	23.13	0	24	0
		1	192	22.94	22.93	23.13	0	24	0
		1	216	22.94	22.93	23.13	0	24	0
		1	240	22.94	22.93	23.13	0	24	0
		1	264	22.94	22.93	23.13	0	24	0
GSM	QPSK	1	0	21.18	21.17	21.37	0	24	0
		1	24	21.18	21.17	21.37	0	24	0
		1	48	21.18	21.17	21.37	0	24	0
		1	72	21.18	21.17	21.37	0	24	0
		1	96	21.18	21.17	21.37	0	24	0
		1	120	21.18	21.17	21.37	0	24	0
		1	144	21.18	21.17	21.37	0	24	0
		1	168	21.18	21.17	21.37	0	24	0
		1	192	21.18	21.17	21.37	0	24	0
		1	216	21.18	21.17	21.37	0	24	0
		1	240	21.18	21.17	21.37	0	24	0
		1	264	21.18	21.17	21.37	0	24	0
GSM	QPSK	1	0	20.02	20.01	20.21	0	24	0
		1	24	20.02	20.01	20.21	0	24	0
		1	48	20.02	20.01	20.21	0	24	0
		1	72	20.02	20.01	20.21	0	24	0
		1	96	20.02	20.01	20.21	0	24	0
		1	120	20.02	20.01	20.21	0	24	0
		1	144	20.02	20.01	20.21	0	24	0
		1	168	20.02	20.01	20.21	0	24	0
		1	192	20.02	20.01	20.21	0	24	0
		1	216	20.02	20.01	20.21	0	24	0
		1	240	20.02	20.01	20.21	0	24	0
		1	264	20.02	20.01	20.21	0	24	0

LTE Band 26 (Ant)									
BW	Modulation	RB Size	RB Offset	Mid	Low	High	SCPF MPR (dB)	Max. Time-adj. (dB)	Max. Time-adj. (dB)
		Channel	Frequency (MHz)	2710	2715	2715			
GSM	QPSK	1	0	24.11	24.11	24.15	0	24	0
		1	24	24.11	24.11	24.15	0	24	0
		1	48	24.11	24.11	24.15	0	24	0
		1	72	24.11	24.11	24.15	0	24	0
		1	96	24.11	24.11	24.15	0	24	0
		1	120	24.11	24.11	24.15	0	24	0
		1	144	24.11	24.11	24.15	0	24	0
		1	168	24.11	24.11	24.15	0	24	0
		1	192	24.11	24.11	24.15	0	24	0
		1	216	24.11	24.11	24.15	0	24	0
		1	240	24.11	24.11	24.15	0	24	0
		1	264	24.11	24.11	24.15	0	24	0
GSM	QPSK	1	0	22.98	22.98	23.02	0	24	0
		1	24	22.98	22.98	23.02	0	24	0
		1	48	22.98	22.98	23.02	0	24	0
		1	72	22.98	22.98	23.02	0	24	0
		1	96	22.98	22.98	23.02	0	24	0
		1	120	22.98	22.98	23.02	0	24	0
		1	144	22.98	22.98	23.02	0	24	0
		1	168	22.98	22.98	23.02	0	24	0
		1	192	22.98	22.98	23.02	0	24	0
		1	216	22.98	22.98	23.02	0	24	0
		1	240	22.98	22.98	23.02	0	24	0
		1	264	22.98	22.98	23.02	0	24	0

LTE Band 38 (Anno)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Throughput	Max. Power
		Channel	Frequency (MHz)	2580	2580	2580	NRPS	(Mbps)	(dBm)
20M	QPSK	1	0	23.95	23.93	23.93	0	24.5	0
		1	50	23.92	23.75	23.76	0	24.5	0
		1	99	23.92	23.92	23.92	0	24.5	0
		50	0	23.90	22.97	22.91	1	23.5	0
		50	50	23.94	22.77	22.82	1	23.5	0
	16QAM	100	0	22.85	22.82	22.87	1	23.5	0
		1	50	22.92	22.58	22.63	1	23.5	0
		1	99	22.77	22.62	22.68	1	23.5	0
		50	0	23.90	21.85	21.83	2	22.5	0
		50	25	21.95	21.87	21.91	2	22.5	0
20M	64QAM	1	0	22.95	22.11	21.80	2	22.5	0
		1	50	22.94	22.02	21.95	2	22.5	0
		1	99	21.93	21.75	21.84	2	22.5	0
		50	0	21.94	20.99	20.92	3	21.5	0
		50	25	20.97	20.95	20.95	3	21.5	0
	256QAM	100	0	20.95	20.89	20.88	3	21.5	0
		1	50	20.97	19.93	19.92	5	19.5	0
		1	99	19.93	19.82	19.83	5	19.5	0
		50	0	19.93	18.85	18.77	5	19.5	0
		50	25	18.95	18.79	18.78	5	19.5	0
20M	QPSK	100	0	18.93	18.93	18.93	5	19.5	0
		1	50	18.93	18.93	18.93	5	19.5	0
		1	99	18.93	18.93	18.93	5	19.5	0
		50	0	18.93	18.93	18.93	5	19.5	0
		50	50	18.93	18.93	18.93	5	19.5	0
20M	16QAM	100	0	18.93	18.93	18.93	5	19.5	0
		1	50	18.93	18.93	18.93	5	19.5	0
		1	99	18.93	18.93	18.93	5	19.5	0
		50	0	18.93	18.93	18.93	5	19.5	0
		50	50	18.93	18.93	18.93	5	19.5	0
	256QAM	100	0	18.93	18.93	18.93	5	19.5	0
		1	50	18.93	18.93	18.93	5	19.5	0
		1	99	18.93	18.93	18.93	5	19.5	0
		50	0	18.93	18.93	18.93	5	19.5	0
		50	50	18.93	18.93	18.93	5	19.5	0
20M	QPSK	Channel	2580	2580	2580	2580	2580	2580	2580
		Frequency (MHz)	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8
		1	0	23.92	23.90	23.71	0	24.0	0
		1	50	23.92	23.67	23.67	0	24.0	0
		1	99	23.92	23.67	23.67	0	24.0	0
	16QAM	1	74	23.67	23.38	23.38	0	23.5	0
		50	0	22.91	22.67	22.67	1	23.5	0
		50	50	22.91	22.67	22.67	1	23.5	0
		50	99	22.91	22.67	22.67	1	23.5	0
		50	25	22.72	22.52	22.52	1	23.5	0
20M	64QAM	50	74	22.72	22.52	22.52	1	23.5	0
		1	37	22.83	22.84	22.82	1	23.5	0
		1	74	22.88	22.49	22.60	1	23.5	0
		50	0	22.88	22.49	22.60	1	23.5	0
		50	25	21.90	21.82	21.81	2	22.5	0
	256QAM	100	0	21.71	21.75	21.75	2	22.5	0
		1	74	21.82	21.71	21.62	2	22.5	0
		1	8	21.91	20.99	21.77	2	22.5	0
		50	0	22.03	20.99	21.77	2	22.5	0
		50	74	21.81	20.72	21.68	2	22.5	0
20M	16QAM	1	37	22.03	20.99	21.77	2	22.5	0
		1	74	21.81	20.72	21.68	2	22.5	0
		1	8	21.91	20.99	21.77	2	22.5	0
		50	0	22.03	20.99	21.77	2	22.5	0
		50	74	21.81	20.72	21.68	2	22.5	0
	256QAM	1	37	22.03	20.99	21.77	2	22.5	0
		1	74	21.81	20.72	21.68	2	22.5	0
		1	8	21.91	20.99	21.77	2	22.5	0
		50	0	22.03	20.99	21.77	2	22.5	0
		50	74	21.81	20.72	21.68	2	22.5	0
20M	QPSK	1	0	23.88	23.81	23.88	0	24.0	0
		1	24	23.77	23.69	23.70	0	24.0	0
		49	23.68	23.60	23.61	0	24.0	0	
		25	0	22.89	22.89	22.89	0	24.0	0
		25	12	22.88	22.71	22.88	1	23.5	0
	16QAM	25	25	22.89	22.72	22.89	1	23.5	0
		50	0	22.79	22.68	22.79	1	23.5	0
		50	12	22.88	22.68	22.88	1	23.5	0
		50	25	22.88	22.72	22.89	1	23.5	0
		50	49	22.89	22.80	22.89	1	23.5	0
20M	64QAM	1	0	22.89	22.80	22.89	1	23.5	0
		1	24	22.88	22.71	22.88	1	23.5	0
		25	12	22.88	22.71	22.88	1	23.5	0
		25	25	22.88	22.71	22.88	1	23.5	0
		25	49	22.89	22.80	22.89	1	23.5	0
	256QAM	1	0	21.87	21.76	21.77	2	22.0	0
		1	25	21.86	21.66	21.62	2	22.0	0
		25	0	21.86	21.66	21.62	2	22.0	0
		25	25	21.86	21.66	21.62	2	22.0	0
		25	49	21.86	21.66	21.62	2	22.0	0
20M	QPSK	1	0	23.88	23.81	23.88	0	24.0	0
		1	24	23.77	23.69	23.70	0	24.0	0
		49	23.68	23.60	23.61	0	24.0	0	
		25	0	22.89	22.89	22.89	0	24.0	0
		25	12	22.88	22.71	22.88	1	23.5	0
	16QAM	25	25	22.89	22.72	22.89	1	23.5	0
		50	0	22.79	22.68	22.79	1	23.5	0
		50	12	22.88	22.68	22.88	1	23.5	0
		50	25	22.88	22.72	22.89	1	23.5	0
		50	49	22.89	22.80	22.89	1	23.5	0
20M	64QAM	1	0	21.87	21.76	21.77	2	22.0	0
		1	25	21.86	21.66	21.62	2	22.0	0
		25	0	21.86	21.66	21.62	2	22.0	0
		25	25	21.86	21.66	21.62	2	22.0	0
		25	49	21.86	21.66	21.62	2	22.0	0
	256QAM	1	0	21.86	21.76	21.77	2	22.0	0
		1	12	22.03	21.98	21.92	2	22.0	0
		24	21.79	21.63	21.64	2	22.0	0	
		12	0	20.93	20.93	20.94	3	21.0	0
		12	6	20.94	20.79	20.90	3	21.0	0
20M	QPSK	12	6	20.94	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	0	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	6	20.94	20.79	20.90	3	21.0	0
	16QAM	12	6	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	0	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	6	20.94	20.79	20.90	3	21.0	0
20M	64QAM	12	6	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	0	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	6	20.94	20.79	20.90	3	21.0	0
	256QAM	12	6	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	0	20.93	20.79	20.90	3	21.0	0
		12	12	20.93	20.79	20.90	3	21.0	0
		12	6	20.94	20.79	20.90	3	21.0	0

LTE Band 41 (2016 - 2018) PC3 (Anno)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPF	Max. Throughput	Max. Power
		Channel	Frequency (MHz)	2580	2580	2580	NRPS	(Mbps)	(dBm)
20M	QPSK	1	0	22.24	22.43	22.48	22.21	22.86	0
		1	50	22.19	22.40	22.38	22.13	22.52	0
		1	99	22.13	22.34	22.29	22.19	22.59	0
		50	0	21.26	21.47	21.51	21.21	21.62	1
		50	50	21.26	21.47	21.51	21.21	21.62	1
	16QAM	100	0	21.26	21.47	21.51	21.21	21.62	1
		1	50	21.26	21.47	21.51	21.21	21.62	1
		1	99	21.26	21.47	21.51	21.21	21.62	1
		50	0	20.26	20.38	20.40	20.27	20.69	2
		50	50	20.26	20.38	20.40	20.27	20.69	2
40M	64QAM	1	0	20.26	20.40	20.38	20.26	20.69	2
		1	50	20.26	20.40	20.38	20.26	20.69	2
		1	99	20.26	20.40	20.38	20.27	20.69	2
		50	0	19.26	19.42	19.51	19.18	19.59	3
		50	50	19.26	19.42	19.51	19.18	19.59	3
	256QAM	100	0	19.26	19.42	19.51	19.18	19.59	3
		1	0	17.78	17.83	17.82	17.21	17.62	0
		1	50	17.27	17.44	17.44	17.18	17.49	0
		1	99	17.23	17.38	17.37	17.08	17.39	0
		50	0	17.24	17.47	17.50	17.22	17.63	0
80M	256QAM	50	25	17.26	17.50	17.50	17.17	17.72	0
		100	0	17.26	17.50	17.50	17.18	17.75	0
		100	0	17.38	17.43	17.42	17.31	17.61	0
		50	50	17.38	17.43	17.42	17.31	17.61	0
		100	0	16.38	16.38	16.38	16.26	16.36	0
	256QAM	1	0	16.38	16.38	16.38	16.26	16.36	0
		1	50	16.38	16.38	16.38	16.26	16.36	0
		1	99	16.38	16.38	16.38	16.26	16.36	0
		50	0	15.38	15.38	15.38	15.26	15.36	0
		50	50	15.38	15.38	15.38	15.26	15.36	0
BW	Modulation	Channel	3875	4080	4920	4980	5450	NRPS	Turn-up
		Frequency (MHz)	2580	2580	2580	2580	2580	(Mbps)	(dBm)
	QPSK	1	0	22.13	22.29	22.34	22.09	22.42	0
		1	24	22.17	22.37	22.38	22.01	22.35	0
		1	74	22.06	22.26	22.27	21.94	22.24	0
		38	0	21.13	21.38	21.48	21.11	21.52	1
		38	19	21.16	21.36	21.37	21.00	21.40	1
	16QAM	38	50	21.26	21.38	21.39	21.29	21.49	1
		75	0	21.26	21.31	21.24	21.22	21.44	1
		75	37	21.18	21.27	21.26	21.17	21.45	1
1		37	21.02	21.36	21.39	21.05	21.43	1	
1		74	21.02	21.26	21.31	21.17	21.37	1	
16QAM	38	0	20.09	20.36	20.40	20.03	20.33	2	
	38	0	19.09	19.40	19.42	18.94	19.24	2	
	38	19	20.16	20.48	20.52	20.13	20.62	2	
	38	50	20.16	20.36	20.37	20.06	20.55	2	
	75	0	20.11	20.36	20.38	20.16	20.54	2	
16QAM	37	20.37	20.63	20.67	20.40	20.55	20.25	2	
	1	0	20.31	20.52	20.59	20.20	20.51	2	
	1	74	20.04	20.29	20.29	20.05	20.25	2	
	38	0	19.15	19.38	19.37	18.11	19.08	2	
	38	19	19.23	19.48	19.48	18.24	19.02	2	
256QAM	38	50	19.16	19.38	19.20	18.19	19.07	3	
	75	0	17.36	17.50	17.51	17.16	17.60	0	
	1	37	17.17	17.34	17.36	17.07	17.48	0	
	1	74	17.06	17.34	17.35	16.82	17.43	0	
	38	0	17.19	17.43	17.54	17.11	17.50	0	
BW	Modulation	Channel	3875	4080	4920	4980	5450	NRPS	Turn-up
		Frequency (MHz)	2580	2580	2580	2580	2580	(Mbps)	(dBm)
	QPSK	1	0	22.15	22.41	22.35	22.07	22.83	0
		1	24	22.16	22.37	22.33	22.07	22.46	0
		1	49	22.08	22.28	22.28	21.95	22.41	0
		25	0	21.12	21.39	21.43	21.15	21.48	1
		25	12	21.21	21.46	21.38	21.33	21.57	1
	16QAM	25	25	21.16	21.44	21.44	21.14	21.55	1
		50	0	21.27	21.52	21.57	21.19	21.64	1
		50	25	21.26	21.52	21.57	21.18	21.63	1
1		24	21.03	21.25	21.24	21.06	21.48	1	
1		49	21.05	21.18	21.27	21.14	21.34	1	
16QAM	25	0	20.21	20.41	20.41	20.07	20.47	2	
	25	12	20.21	20.44	20.39	20.25	20.52	2	
	25	25	20.20	20.30	20.38	20.21	20.39	2	
	50	0	20.24	20.36	20.38	20.04	20.22	2	
	1	0	20.18	20.44	20.40	20.22	20.37	2	
64QAM	1	24	20.06	20.35	20.39	20.16	20.46	2	
	25	0	19.11	19.38	19.44	18.13	19.49	3	
	25	12	19.12	19.41	19.41	18.11	19.41	3	
	25	25	19.14	19.38	19.21	18.09	19.51	3	
	50	0	19.23	19.28	19.29	18.16	19.51	3	
BW	Modulation	Channel	3875	4080	4920	4980	5450	NRPS	Turn-up
		Frequency (MHz)	2580	2580	2580	2580	2580	(Mbps)	(dBm)
	QPSK	1	0	22.15	22.36	22.34	22.20	22.82	0
		1	12	22.06	22.30	22.20	22.11	22.45	0
		1	24	21.98	22.21	22.15	21.95	22.25	0
		12	0	21.15	21.36	21.43	21.19	21.55	1
		12	6	21.27	21.47	21.33	21.25	21.61	1
	16QAM	12	12	21.12	21.32	21.32	21.05	21.45	1
		1	0	21.03	21.29	21.32	21.08	21.47	1
		1	24	21.09	21.31	21.28	21.09	21.39	1
1		24	21.09	21.31	21.28	21.09	21.39	1	
12		0	20.26	20.44	20.38	20.15	20.55	2	
16QAM	12	13	20.11	20.39	20.30	20.09	20.51	2	
	1	0	20.30	20.51	20.38	20.04	20.67	2	
	1	12	20.25	20.38	20.43	20.24	20.39	2	
	24	20.13	20.27	20.18	20.14	20.24	2		
	12	0	19.18	19.37	19.50	18.03	19.45	3	
BW	Modulation	Channel	3875	4080	4920	4980	5450	NRPS	Turn-up
		Frequency (MHz)	2580	2580	2580	2580	2580	(Mbps)	(dBm)
	QPSK	12	6	19.22	19.43	19.41	18.21	19.54	3
		12	12	19.18	19.31	19.35	18.15	19.55	3
		12	18	19.25	19.35	19.37	18.14	19.44	3
		12	24	19.27	19.38	19.38	18.14	19.44	3
		12	24	19.27	19.38	19.38	18.14	19.44	3
	256QAM	12	12	17.31	17.38	17.38	17.17	17.52	0
		12	18	17.31	17.38	17.38	17.24	17.65	0
		12	24	17.31	17.38	17.38	17.17	17.52	0
12		24	17.31	17.38	17.38	17.17	17.52	0	
12		24	17.31	17.38	17.38	17.17	17.52	0	

LTE Band 42 Part270 (Ant7)									
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP	Max.	Turn-up (MHz)
		Channel	4250	4260	4280		MPR		
		Frequency (MHz)	3480	3580	3680				
20M	QPSK	1	0	21.90	21.88	21.73	0	22.5	
		1	50	21.89	21.86	21.65	0	22.5	
		1	99	21.75	21.72	21.58	0	22.5	
		50	0	20.92	20.91	20.80	1	21.5	
		50	50	20.72	20.67	20.60	1	21.5	
	16QAM	100	0	20.85	20.85	20.85	1	21.5	
		1	50	20.84	20.82	20.86	1	21.5	
		1	99	20.77	20.71	20.68	1	21.5	
		1	99	20.76	20.65	20.47	1	21.5	
		50	0	19.83	19.81	19.88	2	20.5	
20M	16QAM	50	25	19.88	19.84	19.84	2	20.5	
		50	50	19.74	19.54	19.79	2	20.5	
		100	0	19.76	19.81	19.77	2	20.5	
	64QAM	1	0	19.76	19.84	19.83	2	20.5	
		1	50	19.98	19.96	19.73	2	20.5	
		1	99	19.92	19.88	19.64	2	20.5	
		50	0	18.80	18.80	18.81	3	19.5	
		50	50	18.76	18.66	18.65	3	19.5	
20M	64QAM	50	50	18.75	18.66	18.61	3	19.5	
		100	0	18.74	18.83	18.83	3	19.5	
	256QAM	1	50	16.96	17.00	17.01	5	17.5	
		1	99	17.03	16.96	16.80	5	17.5	
		50	0	17.08	17.06	17.13	5	17.5	
		50	25	17.06	17.10	17.05	5	17.5	
		50	50	17.04	17.08	16.90	5	17.5	
20M	256QAM	100	0	17.08	17.02	17.06	5	17.5	
		Channel	4260	4260	4260	3GPP	Max.	Turn-up (MHz)	
		Frequency (MHz)	3487.5	3585	3547.5	MPR			
	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
15M	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	19	2	20.5				
15M	16QAM	36	39	2	20.5				
		36	59	2	20.5				
		75	0	2	20.5				
	64QAM	1	37	2	20.5				
		1	74	2	20.5				
15M	64QAM	36	0	19.5					
		36	19	0	19.5				
		36	39	0	19.5				
		75	0	2	19.5				
	256QAM	1	0	5	17.5				
		1	37	5	17.5				
		1	74	5	17.5				
		36	0	5	17.5				
		36	19	5	17.5				
15M	256QAM	36	39	5	17.5				
		75	0	5	17.5				
	Channel	4260	4260	4260	3GPP	Max.	Turn-up (MHz)		
		Frequency (MHz)	3487.5	3585	3547.5	MPR			
	QPSK	1	0	22.5					
		1	24	0	22.5				
		1	49	0	22.5				
10M	QPSK	25	0	21.5					
		25	12	1	21.5				
		25	25	1	21.5				
		50	0	1	21.5				
		1	0	1	21.5				
10M	16QAM	1	24	1	21.5				
		1	49	1	21.5				
		25	0	2	20.5				
		25	12	2	20.5				
		25	25	2	20.5				
10M	16QAM	50	0	2	20.5				
		1	0	2	20.5				
		1	24	2	20.5				
		1	49	2	20.5				
		25	0	3	19.5				
10M	64QAM	25	12	3	19.5				
		25	25	3	19.5				
		50	0	3	19.5				
		1	0	5	17.5				
		1	24	5	17.5				
10M	256QAM	1	49	5	17.5				
		25	0	5	17.5				
		25	12	5	17.5				
		25	25	5	17.5				
		50	0	5	17.5				
5M	QPSK	Channel	4260	4260	4260	3GPP	Max.	Turn-up (MHz)	
		Frequency (MHz)	3487.5	3585	3547.5	MPR			
		1	12	0	22.5				
		1	24	0	22.5				
		12	0	21.5					
5M	QPSK	12	6	1	21.5				
		12	13	1	21.5				
		25	0	1	21.5				
		1	0	1	21.5				
		1	12	1	21.5				
5M	16QAM	1	24	1	21.5				
		12	0	2	20.5				
		12	6	2	20.5				
		12	13	2	20.5				
		25	0	2	20.5				
5M	16QAM	1	0	2	20.5				
		1	12	2	20.5				
		12	0	3	19.5				
		12	6	3	19.5				
		12	13	3	19.5				
5M	256QAM	1	0	5	17.5				
		1	12	5	17.5				
		12	0	5	17.5				
		12	6	5	17.5				
		12	13	5	17.5				

LTE Band 42 Part96 (Ant7)									
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP	Max.	Turn-up (MHz)
		Channel	4350	4360	4380		MPR		
		Frequency (MHz)	3680	3780	3880				
20M	QPSK	1	0	21.74	21.78	21.61	0	22.5	
		1	50	21.58	21.72	21.54	0	22.5	
		1	99	21.65	21.69	21.54	0	22.5	
		50	0	20.85	20.83	20.80	1	21.5	
		50	50	20.79	20.69	20.71	1	21.5	
	16QAM	100	0	20.80	20.77	20.78	1	21.5	
		1	50	20.74	20.72	20.67	1	21.5	
		1	99	20.76	20.70	20.70	1	21.5	
		1	99	20.67	20.85	20.54	1	21.5	
		50	0	19.78	19.80	19.78	2	20.5	
20M	16QAM	50	25	19.75	19.80	19.79	2	20.5	
		50	50	19.85	19.88	19.78	2	20.5	
		100	0	19.79	19.88	19.79	2	20.5	
	64QAM	1	0	19.88	19.80	19.79	2	20.5	
		1	50	19.94	19.91	19.73	2	20.5	
		1	99	19.90	19.89	19.59	2	20.5	
		50	0	18.79	18.80	18.79	0	19.5	
		50	50	18.74	18.64	18.69	0	19.5	
20M	64QAM	50	50	18.74	18.64	18.69	0	19.5	
		100	0	18.83	18.78	18.78	0	19.5	
	256QAM	1	50	16.96	16.90	16.92	5	17.5	
		1	99	16.90	16.88	16.69	5	17.5	
		50	0	17.06	16.90	17.07	5	17.5	
		50	25	16.96	16.99	17.08	5	17.5	
		50	50	16.91	16.93	16.80	5	17.5	
20M	256QAM	100	0	16.98	16.97	17.00	5	17.5	
		Channel	4360	4360	4360	3GPP	Max.	Turn-up (MHz)	
		Frequency (MHz)	3875	3975	4075	MPR			
	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
15M	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22.5				
		36	0	21.5					
		36	19	1	21.5				
		36	39	1	21.5				
	16QAM	75	0	21.5					
		1	0	1	21.5				
		1	37	1	21.5				
		1	74	1	21.5				
		36	0	2	20.5				
15M	16QAM	36	19	2	20.5				
		36	39	2	20.5				
20M	QPSK	1	37	0	22.5				
		1	74	0	22				

LTE Band 48 for SAR (Ant7)																			
BW	MCS Index	RB Size		RB Offset		Low	Mid	High	SPPF MPR (dB)	Max. Throughput (Mbps)	SPPF MPR (dB)	Max. Throughput (Mbps)							
		Channel		Channel															
		Frequency (MHz)	1200	1200	1200								1200	1200	1200	1200	1200	1200	1200
20M	QPSK	1	0	22.85	22.82	22.88	23.19	0	23.5	0	23.5	0	23.5						
		1	50	22.75	22.84	22.76	23.11	0	23.5	0	23.5	0	23.5						
		1	99	22.70	22.80	22.72	23.17	0	23.5	0	23.5	0	23.5						
		50	0	22.98	22.92	21.98	22.25	1	22.5	0	22.5	0	22.5						
		50	50	22.95	22.90	21.96	22.21	1	22.5	0	22.5	0	22.5						
	16QAM	100	0	21.85	22.11	21.88	22.19	1	22.5	0	22.5	0	22.5						
		100	50	21.80	22.06	21.83	22.14	1	22.5	0	22.5	0	22.5						
		1	50	21.85	22.07	21.84	22.20	1	22.5	0	22.5	0	22.5						
		1	99	21.87	21.96	21.84	22.19	1	22.5	0	22.5	0	22.5						
		50	0	22.00	21.90	20.98	21.93	2	21.5	0	21.5	0	21.5						
40M	QPSK	1	0	20.92	21.00	20.79	21.44	2	21.5	0	21.5	0	21.5						
		1	50	20.83	21.07	20.87	21.37	2	21.5	0	21.5	0	21.5						
		1	99	20.92	21.00	20.88	21.43	2	21.5	0	21.5	0	21.5						
		50	0	20.90	20.90	20.88	20.90	3	20.5	0	20.5	0	20.5						
		50	50	20.91	20.92	20.91	20.91	3	20.5	0	20.5	0	20.5						
	16QAM	100	0	19.82	20.09	19.95	20.49	3	20.5	0	20.5	0	20.5						
		100	50	19.80	20.04	19.81	20.14	3	20.5	0	20.5	0	20.5						
		1	50	19.80	19.77	17.99	17.99	5	18.5	0	18.5	0	18.5						
		1	99	19.88	19.85	17.98	17.95	5	18.5	0	18.5	0	18.5						
		50	0	19.88	19.85	17.98	17.95	5	18.5	0	18.5	0	18.5						
80M	QPSK	1	0	18.02	18.03	17.99	17.80	5	18.5	0	18.5	0	18.5						
		1	50	18.00	18.10	18.12	17.82	5	18.5	0	18.5	0	18.5						
		100	0	17.95	18.14	18.01	17.82	5	18.5	0	18.5	0	18.5						
		1	50	18.00	18.11	17.99	17.84	5	18.5	0	18.5	0	18.5						
		1	99	18.08	18.03	17.98	17.83	5	18.5	0	18.5	0	18.5						
	16QAM	1	0	18.06	18.23	17.83	17.84	5	18.5	0	18.5	0	18.5						
		1	50	18.05	18.08	17.98	17.82	5	18.5	0	18.5	0	18.5						
		1	99	18.10	18.12	17.92	17.80	5	18.5	0	18.5	0	18.5						
		50	0	17.95	18.10	18.01	17.82	5	18.5	0	18.5	0	18.5						
		50	50	17.96	18.04	17.99	17.80	5	18.5	0	18.5	0	18.5						
160M	QPSK	1	0	18.01	18.05	17.97	17.80	5	18.5	0	18.5	0	18.5						
		1	50	18.00	18.11	17.99	17.84	5	18.5	0	18.5	0	18.5						
		1	99	18.08	18.03	17.98	17.83	5	18.5	0	18.5	0	18.5						
		50	0	17.95	18.10	18.01	17.82	5	18.5	0	18.5	0	18.5						
		50	50	17.96	18.04	17.99	17.80	5	18.5	0	18.5	0	18.5						
	16QAM	100	0	17.87	18.02	17.99	17.77	5	18.5	0	18.5	0	18.5						
		100	50	17.87	18.02	17.99	17.77	5	18.5	0	18.5	0	18.5						
		1	50	17.87	18.02	17.99	17.77	5	18.5	0	18.5	0	18.5						
		1	99	17.87	18.02	17.99	17.77	5	18.5	0	18.5	0	18.5						
		50	0	17.87	18.02	17.99	17.77	5	18.5	0	18.5	0	18.5						
320M	QPSK	1	0	22.81	22.93	22.78	23.18	0	23.5	0	23.5	0	23.5						
		1	50	22.80	22.90	22.71	23.06	0	23.5	0	23.5	0	23.5						
		1	99	22.85	22.90	22.76	23.17	0	23.5	0	23.5	0	23.5						
		50	0	21.87	22.03	21.80	22.14	1	22.5	0	22.5	0	22.5						
		50	50	21.88	22.03	21.88	22.14	1	22.5	0	22.5	0	22.5						
	16QAM	100	0	21.86	22.00	21.78	22.10	1	22.5	0	22.5	0	22.5						
		100	50	21.71	21.89	21.71	22.14	1	22.5	0	22.5	0	22.5						
		1	50	21.83	21.94	21.84	22.16	1	22.5	0	22.5	0	22.5						
		1	99	21.82	21.89	21.83	22.05	1	22.5	0	22.5	0	22.5						
		50	0	20.83	21.20	20.71	21.17	2	21.5	0	21.5	0	21.5						
640M	QPSK	1	0	19.89	19.89	19.89	20.43	3	20.5	0	20.5	0	20.5						
		1	50	19.89	19.89	19.89	20.43	3	20.5	0	20.5	0	20.5						
		1	99	19.89	19.89	19.89	20.43	3	20.5	0	20.5	0	20.5						
		50	0	19.89	19.89	19.89	20.43	3	20.5	0	20.5	0	20.5						
		50	50	19.89	19.89	19.89	20.43	3	20.5	0	20.5	0	20.5						
	16QAM	100	0	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		100	50	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
1.28M	QPSK	1	0	20.79	20.85	20.78	21.38	2	21.5	0	21.5	0	21.5						
		1	50	20.78	20.84	20.77	21.17	2	21.5	0	21.5	0	21.5						
		1	99	20.79	20.85	20.78	21.38	2	21.5	0	21.5	0	21.5						
		50	0	21.80	22.00	21.80	22.10	1	22.5	0	22.5	0	22.5						
		50	50	21.80	22.00	21.80	22.10	1	22.5	0	22.5	0	22.5						
	16QAM	100	0	21.80	22.00	21.78	22.10	1	22.5	0	22.5	0	22.5						
		100	50	21.71	21.89	21.71	22.14	1	22.5	0	22.5	0	22.5						
		1	50	21.80	21.84	21.80	22.10	1	22.5	0	22.5	0	22.5						
		1	99	21.72	21.80	21.83	22.08	1	22.5	0	22.5	0	22.5						
		50	0	20.83	21.20	20.71	21.17	2	21.5	0	21.5	0	21.5						
2.56M	QPSK	1	0	19.87	19.87	19.87	20.43	3	20.5	0	20.5	0	20.5						
		1	50	19.87	19.87	19.87	20.43	3	20.5	0	20.5	0	20.5						
		1	99	19.87	19.87	19.87	20.43	3	20.5	0	20.5	0	20.5						
		50	0	19.87	19.87	19.87	20.43	3	20.5	0	20.5	0	20.5						
		50	50	19.87	19.87	19.87	20.43	3	20.5	0	20.5	0	20.5						
	16QAM	100	0	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		100	50	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.87	17.87	17.84	17.84	5	18.5	0	18.5	0	18.5						
5.12M	QPSK	1	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
	16QAM	100	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		100	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
10.24M	QPSK	1	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
	16QAM	100	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		100	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	50	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		1	99	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						
		50	0	17.88	17.95	17.86	17.84	5	18.5	0	18.5	0	18.5						

LTE Band 48 (Ant7)														
BW	MCS Index	RB Size		RB Offset		Low	Mid	High	SPPF MPR (dB)	Max. Throughput (Mbps)	SPPF MPR (dB)	Max. Throughput (Mbps)		
		Channel		Channel										
		Frequency (MHz)	1200	1200	1200									
20M	QPSK	1	0	22.85	22.85	22.85	23.19	0	23.5	0	23.5	0		
		1	50	22.75	22.84	22.76	23.11	0	23.5	0	23.5	0		
		1	99	22.70	22.80	22.72	23.17	0	23.5	0	23.5	0		
		50	0	22.98	22.92	21.98	22.25	1	22.5	0	22.5	0		
		50	50	22.95	22.90	21.96	22.21	1	22.5	0	22.5	0		
	16QAM	100	0	21.85	22.11	21.88	22.19	1	22.5	0	22.5	0		
		100	50	21.80	22.06	21.83	22.14	1	22.5	0	22.5	0		
		1	50	21.85	22.07	21.84	22.20	1	22.5	0	22.5	0		
		1	99	21.87	21.96	21.84	22.19	1	22.5	0	22.5	0		
		50	0	22.00	21.90	20.98	21.93	2	21.5	0	21.5	0		
40M	QPSK	1	0	20.92	21.09	20.79	21.44	2	21.5	0	21.5	0		
		1	50	20.89	21.07	20.87	21.37	2	21.5	0	21.5	0		
		1	99	20.92	21.00	20.88	21.43	2	21.5	0	21.5	0		
		50	0	20.90	20.90	20.88	20.90	3	20.5	0	20.5	0		
		50	50	20.91	20.92	20.91	20.91	3	20.5	0	20.5	0		
	16QAM	100	0	19.82	20.09	19.95	20.49	3	20.5	0	20.5	0		
		100	50	19.80	20.04	19.81	20.14	3	20.5	0	20.5	0		
		1	50	19.80	19.77	17.99	17.99	5	18.5	0	18.5	0		
		1	99	19.88	19.85	17.98	17.95	5	18.5	0	18.5	0		
		50	0	19.88	19.85	17.98	17.95	5	18.5	0	18.5	0		
80M	QPSK	1	0	18.02	18.08	17.96	17.80	5	18.5	0	18.5	0		
		1	50	18.00	18.10	18.12	17.82	5	18.5	0	18.5	0		
		100	0	17.90	18.14	18.01	17.92	5	18.5	0	18.5	0		
		1	0	17.88	18.02	18.00	17.78	5	18.5	0	18.5	0		
		1	50	17.87	18.01	17.99	17.77	5	18.5	0	18.5	0		
	16QAM	1	0	17.77	17.97	17.95	17.75	5	18.5	0	18.5	0		
		1	74	21.72	21.78	22.05	22.11	2	21.5	0	21.5	0		
		1	99	20.81	20.88	21.17	21.24	2	21.5	0	21.5	0		
		36	19	20.88	20.79	21.13	21.18	2	21.5	0	21.5	0		
		36	19	20.88	20.76	21.17	21.21	2	21.5	0	21.5	0		
160M	QPSK	1	0	20.80	21.00	20.78	21.18	2	21.5	0	21.5	0		
		1	50	20.79	20.99	20.78	21.22	2	21.5	0	21.5	0		
		1	74	20.85	20.85	21.38	21.21	2	21.5	0	21.5	0		
		36	19	20.86	20.87	21.40	21.25	2	21.5	0	21.5	0		
		36	19	20.86	20.75	21.44	21.28	2	21.5	0	21.5	0		
	16QAM	100	0	19.73	20.09	19.73	20.24	3	20.5	0	20.5	0		
		100	50	19.72	19.99	19.73	20.14	3	20.5	0	20.5	0		
		1	50	19.72	19.76	17.99	17.99	5	18.5	0	18.5	0		
		1	99	19.73	19.76	17.97	17.95	5	18.5	0	18.5	0		
		36	19	19.73	19.76	17.97	17.95	5	18.5	0	18.5	0		
320M	QPSK	1	0	17.99	17.99	17.81	17.81	5	18.5	0	18.5	0		
		1	50	17.98	17.97	17.78	17.78	5	18.5	0	18.5	0		
		1	74	20.85	20.85	21.38	21.21	2	21.5	0	21.5	0		
		36	19	20.86	20.87	21.40	21.25	2	21.5	0	21.5	0		
		36	19	20.86	20.75	21.44	21.28	2	21.5	0	21.5	0		
	16QAM	100	0	19.73	20.09	19.73	20.24	3	20.5	0	20.5	0		
		100	50	19.72	19.99	19.73	20.14	3	20.5	0	20.5	0		
		1	50	19.72	19.76	17.99	17.99	5	18.5	0	18.5	0		
		1	99	19.73	19.76	17.97	17.95	5	18.5	0	18.5	0		
		36	19	19.73	19.76	17.97	17.95	5	18.5	0	18.5	0		
640M	QPSK	1	0	22.78	22.74	23.18	0	23.5	0	23.5	0	23.5	0	
		1	24	22.68	22.68	23.20	0	23.5	0	23.5	0	23.5	0	
		1	48	22.65	22.65	23.20	0	23.5	0	23.5	0	23.5	0	
		12	0	22.63	22.75	22.10	0	23.5	0	23.5	0	23.5	0	
		25	12	21.80	21.72	22.11	1	22.5	0	22.5	0	22.5	0	
	16QAM	12	0	21.97	22.17	21.72	22.12	2	21.5	0	21.5	0	21.5	0
		1	24	21.85	21.85	22.20	1	22.5	0	22.5	0	22.5	0	
		1	48	21.81	21.76	22.20	1	22.5	0	22.5	0	22.5	0	
		25	12	21.06	20.73	21.14	2	21.5	0	21.5	0	21.5	0	
		25	28	21.02	20.76	21.04	2	21.5	0	21.5	0	21.5	0	
1280M	QPSK	1	0	20.87	20.80	21.41	2	21.5	0	21.5	0	21.5	0	
		1	24	20.75	20.75	21.23	2	21.5	0	21.5	0	21.5	0	
		1	48	20.72	20.72	21.23	2	21.5	0	21.5	0	21.5	0	
		12	0	20.72	20.81	21.33	2	21.5	0	21.5	0	21.5	0	
		24	12	20.78	20.72	21.47	2	21.5	0	21.5	0	21.5	0	
	16QAM	12	0	19.87	19.80	20.49	3	20.5	0	20.5	0	20.5	0	
		12	12	19.86	19.81	20.49	3	20.5	0	20.5	0	20.5	0	
		25	12	19.86	19.80	20.45	3	20.5	0	20.5	0	20.5	0	
		12	0	19.87	19.81	20.45	3	20.5	0	20.5	0	20.5	0	
		12	12	19.86	19.80	20.45	3	20.5	0	20.5	0	20.5	0	
2560M	QPSK	1	0	17.97	17.98	17.78	17.78	5	18.5	0	18.5	0	18.5	0
		1	24	17.97	17.83	17.74	5	18.5	0	18.5	0	18.5	0	
		1	48	17.97	17.76	17.62	5	18.5	0	18.5	0	18.5	0	
		12	0	17.97	17.86	17.71	5	18.5	0	18.5	0	18.5	0	
		25	12	17.99	17.89	17.68	5	18.5	0	18.5	0	18.5	0	
	16QAM	12	0	17.88	17.77	17.72	5	18.5	0	18.5	0	18.5	0	
		1	24	17.88	17.77	17.72	5	18.5	0	18.5	0	18.5	0	
		1	48	17.88	17.77	17.72	5	18.5	0	18.5	0	18.5	0	
		12	0	17.88	17.77	17.72	5	18.5	0	18.5	0	18.5	0	
		25	12	17.88	17.77	17.72	5	18.5	0	18.5	0	18.5	0	
5120M	QPSK	1	0	22.70	22.71	23.17	0	23.5	0	23.5	0	23.5	0	
		1	12	22.67	22.65	23.03	0	23.5	0	23.5	0	23.5	0	
		1	24	22.65	22.65	23.03	0	23.5	0	23.5	0	23.5	0	
		12	0	21.97	22.17	22.21	1	22.5	0	22.5	0	22.5	0	
		12	6	21.85	21.81	22.09	1	22.5	0	22.5	0	22.5	0	
	16QAM	12	0	21.95	22.08	22.08	2	21.5	0	21.5	0	21.5	0	
		12	0	21.80	21.85	22.08	1	22.5	0	22.5	0	22.5	0	
		1	6	21.70	21.71	22.11	1	22.5	0	22.5	0	22.5	0	
		12	0	21.62	21.65	21.98	2	21.5	0	21.5	0	21.5	0	
		1	24	21.72	21.66	22.17	1	22.5	0	22.5	0	22.5	0	
10240M	QPSK	12	0	20.77	20.74	21.08	2	21.5	0	21.5	0	21.5	0	
		12	0	20.67	20.67	21.07	2	21.5	0	21.5	0	21.5	0	
		12	13	21.06	20.71	21.12	2	21.5	0	21.5	0	21.5	0	
		12	13	20.86	20.83	21.11	2	21.5	0	21.5	0	21.5	0	
		1	0	20.86	20.86	21.11	2	21.5	0	21.5	0	21.5	0	
	16QAM	1	0	20.86	20.86	21.11	2	21.5	0	21.5	0	21.5	0	
		1	12	20.72	20.63	21.05	2	21.5	0	21.5	0	21.5	0	
		24	12	20.78	20.69	21.04	2	21.5	0	21.5	0	21.5	0	
		12	0	19.86	19.73	20.40	3	20.5	0	20.5	0	20.5	0	
		12	0	19.86	19.76	20.33	3	20.5	0	20.5	0	20.5	0	
20480M	QPSK	12	0	19.86	19.86	20.44	3	20.5	0	20.5	0	20.5	0	
		12	0	19.85	19.85	20.44	3	20.5	0	20.5	0	20.5	0	
		1	12	17.94	17.88	17.71	5	18.5	0	18.5	0	18.5	0	
		1	24	18.02	17.89	17.69	5	18.5	0	18.5	0	18.5	0	
		12	6	18.02	17.86	17.79	5	18.5	0	18.5	0	18.5	0	
	16QAM	12	0	18.01	17.84	17.72	5	18.5	0	18.5	0	18.5	0	
		12	13	18.03	17.81	17.79	5	18.5	0	18.5	0	18.5	0	
		12	13	17.99	17.82	17.79	5	18.5	0	18.5	0	18.5	0	
		12	13	18.02	17.84	17.79	5	18.5	0	18.5	0	18.5	0	
		12	13	18.02	17.84	17.79	5	18.5	0	18.5	0	18.5	0	

LTE Band 71 (Auto)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	SCPP	Max. Time-avg. (dBm)	
		Channel		15022	15022	15072	MPR (dB)		
		Frequency (MHz)	875	885	895				
20M	QPSK	1	0	23.50	23.27	23.14	0	24	
		1	50	23.27	23.03	23.02	0	24	
		1	99	23.03	22.84	22.89	0	24	
		50	0	22.50	22.48	22.10	1	23	
		50	25	22.50	22.13	22.05	1	23	
		50	50	22.13	22.08	22.09	1	23	
		100	0	22.24	22.19	22.07	1	23	
		1	0	22.04	22.40	22.29	1	23	
		1	50	22.40	22.24	22.22	1	23	
		1	99	22.24	22.12	22.04	1	23	
	16QAM	50	0	21.41	21.10	21.18	2	22	
		50	25	21.33	21.10	21.08	2	22	
		50	50	21.22	21.07	21.04	2	22	
		100	0	21.29	21.16	21.10	2	22	
		1	0	21.08	21.30	21.29	2	22	
		1	50	21.30	21.20	21.20	2	22	
		1	99	21.19	21.02	20.97	2	22	
		50	0	20.42	20.19	20.15	3	21	
		50	25	20.27	20.10	20.07	3	21	
		50	50	20.14	20.08	20.08	3	21	
	64QAM	100	0	20.13	20.17	20.08	3	21	
		1	0	18.40	18.30	18.29	5	19	
		1	50	18.30	18.18	18.19	5	19	
		1	99	18.25	18.14	18.16	5	19	
		50	0	18.47	18.22	18.17	5	19	
		50	25	18.30	18.21	18.11	5	19	
		50	50	18.25	18.13	18.14	5	19	
		100	0	18.44	18.23	18.15	5	19	
		1	0	18.07	18.087	18.097	5	19	
		1	50	18.08	18.09	18.09	5	19	
15M	QPSK	Channel		150197	150207	150397	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)	875.5	885.5	895.5	MPR (dB)			
		1	0	13.30	13.14	13.18	0		
		1	37	23.04	22.92	22.92	0	24	
		1	74	23.03	22.84	22.75	0	24	
		38	0	22.40	22.42	22.06	1	23	
		38	19	22.12	22.11	22.01	1	23	
		38	38	22.04	21.98	22.02	1	23	
		75	0	22.19	22.14	22.02	1	23	
		1	0	22.48	22.25	22.31	1	23	
	16QAM	1	37	22.97	22.89	22.14	1	23	
		1	74	22.93	22.82	21.93	1	23	
		38	0	21.40	21.08	21.17	2	22	
		38	19	21.28	20.96	21.05	2	22	
		38	38	21.15	21.00	21.03	2	22	
		75	0	21.25	21.13	21.04	2	22	
		1	0	21.48	21.14	21.08	2	22	
		1	37	21.28	21.15	21.18	2	22	
		1	74	21.09	20.95	20.96	2	22	
		38	0	20.28	20.14	20.04	3	21	
	64QAM	38	19	20.23	19.85	19.96	3	21	
		38	38	20.10	19.94	20.04	3	21	
		75	0	20.25	20.04	19.94	3	21	
		1	0	18.58	18.32	18.24	5	19	
		1	37	18.26	18.05	18.04	5	19	
		1	74	18.12	18.00	18.02	5	19	
		38	0	18.38	18.18	18.15	5	19	
		38	19	18.20	18.17	18.08	5	19	
		38	38	18.24	18.07	18.09	5	19	
		75	0	18.38	18.16	18.10	5	19	
10M	QPSK	Channel		150147	150207	150417	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)	885	885.5	895	MPR (dB)			
		1	0	23.37	23.17	23.05	0		
		1	24	23.63	23.01	22.87	0	24	
		1	49	23.02	22.88	22.84	0	24	
		25	0	22.42	22.36	22.05	1	23	
		25	12	22.12	22.06	21.91	1	23	
		25	25	22.08	22.04	22.02	1	23	
		50	0	22.18	22.10	21.94	1	23	
		1	0	22.45	22.37	22.27	1	23	
	16QAM	1	24	22.34	22.14	22.08	1	23	
		1	49	22.12	22.01	21.90	1	23	
		25	0	21.38	21.10	21.14	2	22	
		25	12	21.19	20.95	20.97	2	22	
		25	25	21.08	20.89	20.88	2	22	
		50	0	21.13	21.09	20.99	2	22	
		1	0	21.49	21.24	21.11	2	22	
		1	24	21.36	21.18	21.14	2	22	
		1	49	21.17	20.95	20.92	2	22	
		25	0	20.38	20.16	20.04	3	21	
	64QAM	25	12	20.19	20.06	20.06	3	21	
		25	25	20.00	19.99	20.04	3	21	
		50	0	20.27	20.04	19.94	3	21	
		1	0	18.41	18.27	18.26	5	19	
		1	24	18.20	18.12	18.14	5	19	
		1	49	18.16	18.11	18.08	5	19	
		25	0	18.47	18.11	18.13	5	19	
		25	12	18.24	18.15	17.97	5	19	
		25	25	18.15	18.03	18.01	5	19	
		50	0	18.35	18.09	18.02	5	19	
5M	QPSK	Channel		150147	150207	150417	SCPP	Max. Time-avg. (dBm)	
		Frequency (MHz)	895.5	895.5	895.5	MPR (dB)			
		1	0	23.45	23.25	23.11	0		
		1	12	23.16	23.03	22.92	0	24	
		1	24	22.92	22.89	22.87	0	24	
		12	0	22.47	22.38	22.06	1	23	
		12	6	22.17	22.11	21.97	1	23	
		12	18	22.03	22.00	22.00	1	23	
		25	0	22.14	22.07	21.98	1	23	
		1	0	22.59	22.25	22.30	1	23	
	16QAM	1	12	22.90	22.16	22.29	1	23	
		1	24	22.27	21.99	21.94	1	23	
		12	0	21.34	21.08	21.13	2	22	
		12	6	21.28	21.08	21.03	2	22	
		12	18	21.18	21.02	21.03	2	22	
		25	0	21.19	21.12	21.00	2	22	
		1	0	21.65	21.16	21.06	2	22	
		1	12	21.36	21.17	21.19	2	22	
		1	24	21.03	20.92	20.89	2	22	
		12	0	20.33	20.17	20.14	3	21	
	64QAM	12	6	20.22	20.07	19.98	3	21	
		12	18	20.02	19.97	19.98	3	21	
		25	0	20.25	20.10	19.91	3	21	
		1	0	18.55	18.23	18.19	5	19	
		1	12	18.20	18.11	18.13	5	19	
		1	24	18.16	18.05	18.15	5	19	
		12	0	18.38	18.19	18.07	5	19	
		12	6	18.25	18.00	18.01	5	19	
		12	18	18.11	18.04	18.03	5	19	
		25	0	18.32	18.08	18.03	5	19	

ENDC_Receiver on_DS11

n2 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	19.08	18.89	18.72	19.5
		1	53	18.69	18.45	18.48	19.5
		1	104	18.79	18.47	18.43	19.5
		50	0	18.35	18.19	18.02	19
		50	28	18.83	18.67	18.58	19.5
		50	56	18.08	17.96	17.75	19
		100	0	18.10	18.02	17.72	19
	DFT-s-OFDM QPSK	1	1	19.30	18.92	18.73	19.5
		1	53	19.13	18.77	18.69	19.5
		1	104	18.82	18.70	18.63	19.5
		50	0	18.02	17.84	17.64	18.5
		50	28	19.06	18.80	18.62	19.5
		50	56	18.03	17.70	17.61	18.5
		100	0	18.04	17.72	17.63	18.5
	DFT-s-OFDM 16QAM	1	1	18.18	18.00	17.84	18.5
	DFT-s-OFDM 64QAM	1	1	16.90	16.70	16.54	17
	DFT-s-OFDM 256QAM	1	1	14.69	14.31	14.39	15
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	19.28	18.90	18.52	19.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	19.29	18.88	18.55	19.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	19.27	18.89	18.56	19.5

n5 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.66	23.61	23.53	24.5
		1	53	23.46	23.57	23.62	24.5
		1	104	23.53	23.59	23.52	24.5
		50	0	23.16	23.11	23.19	24
		50	28	23.63	23.64	23.60	24.5
		50	56	23.06	23.15	23.22	24
		100	0	23.13	23.16	23.16	24
	DFT-s-OFDM QPSK	1	1	23.65	23.67	23.73	24.5
		1	53	23.48	23.60	23.63	24.5
		1	104	23.61	23.58	23.52	24.5
		50	0	22.55	22.57	22.64	23.5
		50	28	23.54	23.59	23.60	24.5
		50	56	22.54	22.59	22.61	23.5
		100	0	22.61	22.65	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.88	22.95	22.83	23.5
	DFT-s-OFDM 64QAM	1	1	20.82	20.89	20.65	22
	DFT-s-OFDM 256QAM	1	1	18.76	18.77	18.63	20
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.68	23.70	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.54	23.55	23.69	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.62	23.48	23.64	24.5

n7 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.25	23.27	24
		1	53	23.37	23.31	23.25	24
		1	104	23.36	23.27	23.22	24
		50	0	22.92	22.74	22.72	23.5
		50	28	23.40	23.24	23.29	24
		50	56	22.86	22.63	22.71	23.5
	DFT-s-OFDM QPSK	100	0	22.91	22.75	22.68	23.5
		1	1	23.50	23.36	23.30	24
		1	53	23.44	23.31	23.26	24
		1	104	23.40	23.28	23.23	24
		50	0	22.45	22.23	22.21	23
		50	28	23.43	23.22	23.20	24
		50	56	22.38	22.25	22.21	23
		100	0	22.37	22.22	22.23	23
	DFT-s-OFDM 16QAM	1	1	22.71	22.56	22.53	23
	DFT-s-OFDM 64QAM	1	1	20.66	20.47	20.38	21.5
	DFT-s-OFDM 256QAM	1	1	18.37	18.25	18.17	19.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	23.36	23.23	23.28	24
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	23.41	23.29	23.27	24
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	23.38	23.21	23.25	24

n12 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequency (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	22.11	22.08	22.08	24
		1	39	22.07	22.06	22.01	24
		1	77	22.03	22.08	22.04	24
		36	0	21.51	21.53	21.60	23.5
		36	19	22.03	22.07	22.06	24
		36	43	21.52	21.62	21.51	23.5
	DFT-s-OFDM QPSK	75	0	21.60	21.57	21.55	23.5
		1	1	22.13	22.14	22.09	24
		1	39	22.08	22.06	22.02	24
		1	77	22.11	22.07	22.05	24
		36	0	21.02	21.02	21.06	23
		36	19	22.00	22.05	22.04	24
		36	39	21.08	21.11	21.09	23
		75	0	21.06	21.19	21.07	23
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.32	23
	DFT-s-OFDM 64QAM	1	1	19.57	19.63	19.52	21.5
	DFT-s-OFDM 256QAM	1	1	17.57	17.60	17.51	19.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequency (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	22.08	22.11	22.03	24
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequency (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	22.05	22.08	22.04	24

n13 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			156400		
		Frequency (MHz)			782		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.99		24
		1	26		23.02		24
		1	50		23.05		24
		25	0		22.53		23.5
		25	13		22.98		24
		25	27		22.49		23.5
	DFT-s-OFDM QPSK	50	0		22.58		23.5
		1	1		23.08		24
		1	26		23.03		24
		1	50		23.01		24
		25	0		21.93		23
		25	13		23.02		24
	DFT-s-OFDM 16QAM	25	27		22.01		23
		50	0		22.10		23
		1	1		22.16		23
		1	1		20.02		21.5
		1	1		18.12		19.5
		1	1		18.12		19.5
BW	MCS Index	Channel		155900	156400	156900	Max. Tune-up
		Frequency (MHz)		779.5	782	784.5	
5M	DFT-s-OFDM QPSK	1	1	22.99	23.04	22.97	24

n14 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			158600		
		Frequency (MHz)			793		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.08		24
		1	26		23.01		24
		1	50		22.89		24
		25	0		22.48		23.5
		25	13		23.04		24
		25	27		22.53		23.5
	DFT-s-OFDM QPSK	50	0		22.47		23.5
		1	1		23.10		24
		1	26		23.02		24
		1	50		22.90		24
		25	0		21.99		23
		25	13		23.06		24
	DFT-s-OFDM 16QAM	25	27		22.03		23
		50	0		21.98		23
		1	1		22.36		23
		1	1		20.21		21.5
		1	1		17.87		19.5
		1	1		17.87		19.5
BW	MCS Index	Channel		158100	158600	159100	Max. Tune-up
		Frequency (MHz)		790.5	793	795.5	
5M	DFT-s-OFDM QPSK	1	1	23.05	23.08	23.02	24

n25 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	18.59	18.34	17.93	19.5
		1	53	18.64	18.16	17.78	19.5
		1	104	18.45	18.02	17.78	19.5
		50	0	18.08	17.67	17.46	19
		50	28	18.54	18.07	17.74	19.5
		50	56	18.04	17.42	17.20	19
		100	0	18.10	17.49	17.36	19
	DFT-s-OFDM QPSK	1	1	18.67	17.75	18.24	19.5
		1	53	18.50	18.12	17.78	19.5
		1	104	18.39	18.08	17.71	19.5
		50	0	17.68	17.26	17.12	18.5
		50	28	18.54	18.32	18.07	19.5
		50	56	17.53	16.86	16.96	18.5
		100	0	17.61	17.29	16.98	18.5
	DFT-s-OFDM 16QAM	1	1	17.86	17.49	17.87	18.5
	DFT-s-OFDM 64QAM	1	1	16.57	16.22	16.58	17
	DFT-s-OFDM 256QAM	1	1	14.20	13.79	14.19	15
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	18.60	18.46	18.40	19.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	18.62	18.41	18.32	19.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	18.58	18.40	18.26	19.5

n30 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			462000		
		Frequency (MHz)			2310		
10M	DFT-s-OFDM Pi/2 BPSK	1	1		23.76		24
		1	26		23.81		24
		1	50		23.59		24
		25	0		23.14		23.5
		25	13		23.70		24
		25	27		23.12		23.5
		50	0		23.15		23.5
		1	1		23.86		24
	DFT-s-OFDM QPSK	1	26		23.81		24
		1	50		23.67		24
		25	0		22.71		23
		25	13		23.70		24
		25	27		22.73		23
		50	0		22.75		23
		DFT-s-OFDM 16QAM	1	1	22.85		23
		DFT-s-OFDM 64QAM	1	1	21.01		21.5
		DFT-s-OFDM 256QAM	1	1	18.83		19.5

n38 (SCS 30 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518000	519000	520000	
		Frequency (MHz)		2590	2595	2600	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.63	23.58	23.54	24
		1	53	23.42	23.31	23.39	24
		1	104	23.41	23.25	23.38	24
		50	0	23.13	22.94	22.95	23.5
		50	28	23.47	23.39	23.45	24
		50	56	22.99	22.78	22.84	23.5
	DFT-s-OFDM QPSK	100	0	23.01	22.92	22.99	23.5
		1	1	23.68	23.62	23.58	24
		1	53	23.44	23.39	23.31	24
		1	104	23.32	23.32	23.26	24
		50	0	22.64	22.43	22.46	23
		50	28	23.47	23.36	23.43	24
	DFT-s-OFDM 16QAM	50	56	22.48	22.25	22.30	23
		100	0	22.49	22.40	22.45	23
		1	1	22.69	22.73	22.65	23
		1	1	20.85	20.83	20.88	21.5
		1	1	18.59	18.65	18.61	19.5
		1	1	18.59	18.65	18.61	19.5
BW	MCS Index	Channel		517000	519000	521000	Max. Tune-up
		Frequency (MHz)		2585	2595	2605	
30M	DFT-s-OFDM QPSK	1	1	23.60	23.56	23.52	24
BW	MCS Index	Channel		516000	519000	522000	Max. Tune-up
		Frequency (MHz)		2580	2595	2610	
20M	DFT-s-OFDM QPSK	1	1	23.59	23.58	23.56	24

PC3_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	22.49	22.38	22.45	24
		1	137	22.56	22.35	22.72	24
		1	271	22.43	22.62	22.81	24
		135	0	22.61	22.34	22.42	23.5
		135	69	22.58	22.29	22.72	24
		135	138	22.52	22.37	22.42	23.5
	DFT-s-OFDM QPSK	270	0	22.65	22.39	22.68	23.5
		1	1	22.67	22.76	23.08	24
		1	137	22.52	22.35	22.42	24
		1	271	22.49	22.53	22.78	24
		135	0	22.61	22.33	22.43	23
		135	69	22.64	22.41	22.79	24
	DFT-s-OFDM 16QAM	135	138	22.53	22.35	22.45	23
		270	0	22.61	22.42	22.67	23
		1	1	22.63	22.71	22.36	23
		1	1	21.95	21.83	21.75	22.5
		1	1	19.72	19.59	19.62	20.5
		1	1	19.72	19.59	19.62	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	22.66	22.62	22.87	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	22.61	22.61	22.73	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.73	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	22.63	22.69	22.79	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	22.65	22.70	22.82	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.73	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	22.62	22.67	22.78	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	22.62	22.70	22.80	24

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.77	22.74	22.94	23.5
		1	53	22.84	22.54	22.98	23.5
		1	104	22.75	22.76	23.03	23.5
		50	0	22.06	22.07	22.06	23
		50	28	22.72	22.61	23.01	23.5
		50	56	22.06	22.09	22.01	23
		100	0	22.04	22.02	22.04	23
	DFT-s-OFDM QPSK	1	1	22.92	22.83	23.06	23.5
		1	53	22.80	22.57	23.04	23.5
		1	104	22.70	22.59	23.03	23.5
		50	0	22.06	22.07	22.03	22.5
		50	28	22.72	22.77	22.99	23.5
		50	56	22.00	22.02	22.05	22.5
		100	0	22.02	22.05	22.05	22.5
	DFT-s-OFDM 16QAM	1	53	22.46	22.39	22.00	22.5
	DFT-s-OFDM 64QAM	1	53	20.97	20.84	20.95	21
	DFT-s-OFDM 256QAM	1	53	18.88	18.88	18.99	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.87	22.72	22.98	23.5

n66 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		345000	349000	353000	
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM Pi/2 BPSK	1	1	19.22	19.18	18.90	20
		1	80	19.08	19.19	18.74	20
		1	158	18.99	18.84	18.64	20
		80	0	18.25	18.80	18.43	19.5
		80	40	19.08	19.22	19.03	20
		80	80	18.04	18.47	18.26	19.5
		160	0	18.24	18.73	18.45	19.5
	DFT-s-OFDM QPSK	1	1	19.31	19.32	19.14	20
		1	80	19.21	19.22	18.94	20
		1	158	19.10	18.71	18.57	20
		80	0	18.17	18.21	17.97	19
		80	40	19.14	19.08	18.75	20
		80	80	18.07	18.14	17.87	19
		160	0	18.24	18.08	17.94	19
	DFT-s-OFDM 16QAM	1	1	18.24	18.24	18.29	19
	DFT-s-OFDM 64QAM	1	1	16.62	16.67	16.71	17.5
	DFT-s-OFDM 256QAM	1	1	15.26	15.23	15.06	15.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	19.25	19.24	19.11	20
BW	MCS Index	Channel		343500	349000	23.57	Max. Tune-up
		Frequency (MHz)		1717.5	1745	23.57	
15M	DFT-s-OFDM QPSK	1	1	19.17	19.25	19.14	20
BW	MCS Index	Channel		343000	349000	23.57	Max. Tune-up
		Frequency (MHz)		1715	1745	23.57	
10M	DFT-s-OFDM QPSK	1	1	19.15	19.26	19.13	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	19.15	19.20	19.18	20

n71 (SCS 15 kHz) (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequency (MHz)		673	680.5	688	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.40	23.16	22.99	24.5
		1	53	23.18	23.02	22.91	24.5
		1	104	22.93	22.82	22.59	24.5
		50	0	22.68	22.62	22.44	24
		50	28	23.21	23.01	22.95	24.5
		50	56	22.56	22.35	22.26	24
		100	0	22.62	22.41	22.30	24
		1	1	23.49	23.19	23.00	24.5
	DFT-s-OFDM QPSK	1	53	23.18	23.05	22.95	24.5
		1	104	22.99	22.83	22.61	24.5
		50	0	22.31	22.12	22.05	23.5
		50	28	23.12	23.06	22.86	24.5
		50	56	22.15	21.94	21.79	23.5
		100	0	22.19	22.01	21.91	23.5
	DFT-s-OFDM 16QAM	1	1	22.65	22.44	22.27	23.5
	DFT-s-OFDM 64QAM	1	1	20.45	20.33	20.23	22
	DFT-s-OFDM 256QAM	1	1	18.18	18.15	18.06	20
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequency (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.46	23.15	22.99	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.47	23.11	22.97	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.44	22.96	22.96	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		20.20		21
		1	137		19.98		21
		1	271		20.15		21
		135	0		19.32		20.5
		135	69		20.05		21
		135	138		20.18		20.5
		270	0		20.03		20.5
	DFT-s-OFDM QPSK	1	1		20.24		21
		1	137		19.95		21
		1	271		20.11		21
		135	0		19.87		20.5
		135	69		20.19		21
		135	138		20.07		20.5
		270	0		20.05		20.5
	DFT-s-OFDM 16QAM	1	1		19.68		20.5
	DFT-s-OFDM 64QAM	1	1		18.77		19.5
	DFT-s-OFDM 256QAM	1	1		16.72		17.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.54	19.70	19.54	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.74	19.79	20.00	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.00	20.05	19.93	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.94	19.99	19.98	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.13	20.06	20.00	21

n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.76	20.17	20.01	21
		1	137	19.84	20.00	20.39	21
		1	271	19.92	20.01	20.31	21
		135	0	19.90	20.18	20.13	20.5
		135	69	19.89	20.09	20.32	21
		135	138	19.93	19.96	20.34	20.5
		270	0	19.96	20.02	20.28	20.5
	DFT-s-OFDM QPSK	1	1	20.02	20.41	20.50	21
		1	137	19.93	19.95	20.23	21
		1	271	19.98	20.19	20.30	21
		135	0	19.90	20.15	20.25	20.5
		135	69	19.89	20.23	20.30	21
		135	138	19.90	20.01	20.18	20.5
		270	0	19.79	20.26	20.20	20.5
	DFT-s-OFDM 16QAM	1	1	19.88	20.40	20.07	20.5
	DFT-s-OFDM 64QAM	1	1	18.97	19.29	19.20	19.5
	DFT-s-OFDM 256QAM	1	1	16.75	17.37	16.98	17.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.00	20.35	20.28	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	19.99	20.35	20.36	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.01	20.40	20.33	21
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	19.95	20.37	20.30	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	19.85	20.33	20.28	21

n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		19.90		21
		1	137		20.05		21
		1	271		20.31		21
		135	0		20.03		20.5
		135	69		20.06		21
		135	138		20.26		20.5
		270	0		20.10		20.5
	DFT-s-OFDM QPSK	1	1		20.36		21
		1	137		20.09		21
		1	271		20.25		21
		135	0		20.01		20.5
		135	69		20.28		21
		135	138		20.25		20.5
		270	0		20.07		20.5
	DFT-s-OFDM 16QAM	1	1		19.86		20.5
	DFT-s-OFDM 64QAM	1	1		18.91		19.5
	DFT-s-OFDM 256QAM	1	1		16.87		18
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.01	19.88	20.11	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.99	19.97	19.98	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.15	19.99	20.18	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.11	19.95	20.24	21
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.17	20.00	20.18	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.21	20.31	20.20	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.05	20.19	20.09	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.15	20.23	20.11	21

ENDC_Receiver on_DSI1

PC2_n41 (SCS 30 kHz) for FCC (Ant0)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM P/2 BPSK	1	1	24.52	24.29	24.06	25
		1	137	24.54	24.22	24.34	25
		1	271	24.47	24.51	24.65	25
		135	0	24.09	23.78	23.67	24.5
		135	69	24.58	24.26	24.35	25
		135	138	23.96	23.74	24.10	24.5
	DFT-s-OFDM QPSK	270	0	24.03	23.77	23.90	24.5
		1	1	24.59	24.55	24.73	25
		1	137	24.48	24.23	24.33	25
		1	271	24.41	24.49	24.62	25
		135	0	23.58	23.28	23.16	24
		135	69	24.34	24.22	24.37	25
	DFT-s-OFDM 16QAM	135	138	23.46	23.34	23.62	24
		270	0	23.42	23.26	23.52	24
		1	1	23.62	23.36	23.22	24
		1	1	21.73	21.41	21.25	22.5
		1	1	19.56	19.27	19.06	20.5
		1	1	19.56	19.27	19.06	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	1	24.52	24.54	24.60	25
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	1	24.56	24.49	24.71	25
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	1	24.50	24.52	24.62	25
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	1	24.44	24.53	24.69	25
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	1	24.44	24.45	24.67	25
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	1	24.53	24.43	24.59	25
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	DFT-s-OFDM QPSK	1	1	24.51	24.52	24.70	25
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	1	24.54	24.42	24.64	25

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		22.09		23
		1	137		21.82		23
		1	271		22.08		23
		135	0		20.64		22.5
		135	69		21.78		23
		135	138		21.17		22.5
	DFT-s-OFDM QPSK	270	0		20.82		22.5
		1	1		22.22		23
		1	137		21.68		23
		1	271		22.18		23
		135	0		20.80		22
		135	69		22.17		23
	DFT-s-OFDM 16QAM	135	138		21.10		22
		270	0		20.93		22
		1	1		21.43		22
		1	1		20.02		20.5
		1	1		17.34		18.5
		1	1		17.34		18.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.07	21.92	22.13	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.13	22.20	22.22	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.01	22.06	22.06	23
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.16	22.04	22.16	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.09	21.87	22.13	23

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	21.88	21.71	21.72	23
		1	137	22.04	21.81	22.10	23
		1	271	21.96	21.86	22.27	23
		135	0	20.93	21.38	21.01	22.5
		135	69	21.94	21.90	22.24	23
		135	138	20.89	21.31	21.25	22.5
	DFT-s-OFDM QPSK	270	0	21.07	21.38	21.07	22.5
		1	1	22.04	22.00	22.30	23
		1	137	21.84	21.62	22.10	23
		1	271	21.99	21.72	22.01	23
		135	0	20.95	20.85	20.97	22
		135	69	22.03	21.90	22.22	23
	DFT-s-OFDM 16QAM	135	138	21.00	20.85	21.14	22
		270	0	20.97	20.83	21.04	22
		1	1	21.35	21.03	21.45	22
		1	1	19.40	19.06	19.49	20.5
		1	1	17.06	16.79	17.28	18.5
		1	1	17.06	16.79	17.28	18.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	22.05	21.86	22.19	23
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	21.92	21.82	22.21	23
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.04	21.91	22.14	23
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	21.99	21.88	22.14	23
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	22.09	21.84	22.23	23

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		22.19		23
		1	137		21.97		23
		1	271		22.34		23
		135	0		20.85		22.5
		135	69		22.05		23
		135	138		21.19		22.5
	DFT-s-OFDM QPSK	270	0		21.03		22.5
		1	1		22.35		23
		1	137		21.94		23
		1	271		22.31		23
		135	0		20.84		22
		135	69		22.01		23
	DFT-s-OFDM 16QAM	135	138		21.12		22
		270	0		21.03		22
		1	1		21.46		22
		1	1		19.50		20.5
		1	1		17.37		18.5
		1	1		17.37		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.05	21.72	22.05	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.11	21.74	22.22	23
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.08	21.80	22.17	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.31	21.84	22.11	23
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.15	21.83	22.07	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.25	22.14	22.08	23
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.09	22.15	22.15	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.13	22.08	22.18	23

ENDC_Receiver on_DSI1

PC3_n41 (SCS 30 kHz)_UL MIMO (Ant0+2) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	509202	518598	528000		
		Frequency (MHz)	2546.01	2592.99	2640		
100M	CP-OFDM QPSK	1	1	22.74	22.87	23.05	24
		1	137	22.67	22.64	22.74	24
		1	271	22.70	22.75	22.94	24
		137	0	21.65	21.49	21.36	23
		137	68	22.61	22.54	22.61	24
		137	136	21.53	21.57	21.85	23
		273	0	21.61	21.53	21.65	23
	CP-OFDM 16QAM	1	1	22.68	22.58	22.50	23
	CP-OFDM 64QAM	1	1	20.90	20.89	20.68	22.5
	CP-OFDM 256QAM	1	1	18.72	18.55	18.51	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	22.64	22.79	22.95	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	22.63	22.81	22.93	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	22.68	22.86	22.96	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	22.62	22.82	22.95	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	22.70	22.78	23.01	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	22.67	22.77	23.03	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	22.69	22.83	22.93	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	22.66	22.83	22.92	24

n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1	23.68			25
		1	137	23.44			25
		1	271	23.54			25
		137	0	22.05			24
		137	68	23.36			25
		137	136	22.14			24
		273	0	22.03			24
	CP-OFDM 16QAM	1	1	22.82			24.5
	CP-OFDM 64QAM	1	1	21.05			23
	CP-OFDM 256QAM	1	1	18.12			20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.60	23.61	23.63	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.61	23.56	23.59	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.58	23.57	23.60	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.59	23.55	23.62	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.62	23.64	23.59	25

n77 (SCS 30 kHz) 3700–3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel		650000	656000	662000	
Frequency (MHz)		3750	3840	3930			
100M	CP-OFDM QPSK	1	1	24.28	24.09	24.35	25
		1	137	24.06	23.73	24.05	25
		1	271	24.02	24.02	23.99	25
		137	0	22.75	22.61	22.70	24
		137	68	24.19	23.91	24.26	25
		137	136	22.68	22.55	22.74	24
		273	0	22.79	22.63	22.73	24
	CP-OFDM 16QAM	1	1	23.77	23.79	23.77	24.5
	CP-OFDM 64QAM	1	1	22.08	21.95	21.97	23
	CP-OFDM 256QAM	1	1	19.21	19.06	19.11	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.20	24.07	24.16	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.21	24.04	24.11	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.22	24.02	24.12	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.18	24.01	24.16	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.26	24.02	24.10	25

n78 (SCS 30 kHz) 3450–3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Mid			
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1		23.89		25
		1	137		23.65		25
		1	271		23.72		25
		137	0		22.30		24
		137	68		23.66		25
		137	136		22.31		24
		273	0		22.25		24
	CP-OFDM 16QAM	1	1		22.72		24
	CP-OFDM 64QAM	1	1		21.17		22.5
	CP-OFDM 256QAM	1	1		18.74		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	23.85	23.87	23.84	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	23.72	23.79	23.76	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	23.84	23.80	23.75	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	23.76	23.79	23.78	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	23.79	23.75	23.75	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	23.81	23.79	23.81	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	23.75	23.75	23.71	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	23.81	23.82	23.71	25

ENDC_Receiver on_DSI1

PC2_n41 (SCS 30 kHz)_UL MIMO (Ant0+2)							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	509202	518598	528000		
		Frequency (MHz)	2546.01	2592.99	2640		
100M	CP-OFDM QPSK	1	1	23.28	23.34	23.42	24
		1	137	23.24	23.14	23.26	24
		1	271	23.22	23.29	23.35	24
		137	0	21.66	21.52	21.36	23
		137	68	23.21	23.02	23.25	24
		137	136	21.59	21.62	21.86	23
		273	0	22.13	21.52	21.64	23
	CP-OFDM 16QAM	1	1	22.71	22.66	22.46	23
	CP-OFDM 64QAM	1	1	20.91	20.87	20.69	22.5
	CP-OFDM 256QAM	1	1	18.83	18.59	18.64	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	23.16	23.19	23.31	24
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	23.20	23.29	23.29	24
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequency (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	1	23.20	23.25	23.35	24
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	23.13	23.25	23.31	24
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	23.21	23.24	23.34	24
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	23.17	23.22	23.35	24
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	23.20	23.23	23.34	24
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	23.16	23.24	23.33	24

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Channel	Mid		
				Frequency (MHz)	3500.01		
100M	CP-OFDM QPSK	1	1		24.19		25
		1	137		23.93		25
		1	271		24.05		25
		137	0		22.27		24
		137	68		24.01		25
		137	136		22.34		24
		273	0		22.30		24
	CP-OFDM 16QAM	1	1		23.08		24.5
	CP-OFDM 64QAM	1	1		21.51		23
	CP-OFDM 256QAM	1	1		18.62		20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.17	24.18	24.15	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.06	24.08	24.04	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.11	24.08	24.10	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.05	24.12	24.04	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.11	24.08	24.11	25

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
				Low	Mid	High	
		Channel	650000	656000	662000		
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	24.60	24.63	24.75	25
		1	137	24.47	24.48	24.71	25
		1	271	24.45	24.53	24.62	25
		137	0	22.99	23.04	23.05	24
		137	68	24.34	24.39	24.54	25
		137	136	22.88	22.99	23.01	24
		273	0	22.95	22.98	23.03	24
	CP-OFDM 16QAM	1	1	23.97	24.13	24.05	24.5
	CP-OFDM 64QAM	1	1	22.22	22.33	22.34	23
	CP-OFDM 256QAM	1	1	19.39	19.40	19.39	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	24.33	24.51	24.68	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	24.32	24.54	24.66	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	24.33	24.56	24.65	25
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	CP-OFDM QPSK	1	1	24.35	24.55	24.69	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	24.32	24.55	24.71	25

PC2_n78 (SCS 30 kHz)_3450~3550 (Ant7+1) for FCC							
BW	MCS Index	RB Size	RB Offset	Total			Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)			633334		
100M	CP-OFDM QPSK	1	1		24.34		25
		1	137		23.91		25
		1	271		24.05		25
		137	0		22.41		24
		137	68		24.22		25
		137	136		22.31		24
		273	0		22.38		24
	CP-OFDM 16QAM	1	1		23.42		24
	CP-OFDM 64QAM	1	1		21.75		22.5
	CP-OFDM 256QAM	1	1		18.87		20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	24.27	24.32	24.29	25
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	24.22	24.29	24.25	25
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	1	24.19	24.26	24.19	25
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	24.17	24.31	24.22	25
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	CP-OFDM QPSK	1	1	24.14	24.22	24.24	25
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	24.16	24.28	24.23	25
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	CP-OFDM QPSK	1	1	24.23	24.27	24.23	25
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	24.20	24.18	24.24	25