

EX3DV4 - SN:7627

June 03, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
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 (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, 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.

Calibration Laboratory of**Schmid & Partner
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland

**S** Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

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

Sporton
Kunshan City

Certificate No.

EX-3857_Jan24**CALIBRATION CERTIFICATE**Object **EX3DV4 - SN:3857**Calibration procedure(s) **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,
QA CAL-25.v8
Calibration procedure for dosimetric E-field probes**Calibration date **January 22, 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 (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Jeton Kastrati	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
Issued: January 25, 2024			
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Calibration Laboratory ofSchmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

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
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

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-Worn 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"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

EX3DV4 - SN:3857

January 22, 2024

Parameters of Probe: EX3DV4 - SN:3857**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc ($k = 2$)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.18	0.43	0.45	$\pm 10.1\%$
DCP (mV) ^B	95.2	100.8	102.4	$\pm 4.7\%$

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B $\text{dB}\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E $k = 2$
0	CW	X	0.00	0.00	1.00	0.00	127.1	$\pm 2.0\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		143.8		
		Z	0.00	0.00	1.00		137.6		
10352	Pulse Waveform (200Hz, 10%)	X	5.82	73.46	14.87	10.00	60.0	$\pm 2.7\%$	$\pm 9.6\%$
		Y	20.00	90.74	20.34		60.0		
		Z	20.00	90.07	20.11		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	4.78	74.04	13.80	6.99	80.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y	20.00	94.14	21.01		80.0		
		Z	20.00	91.47	19.45		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	2.01	68.93	10.26	3.98	95.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	20.00	102.66	23.80		95.0		
		Z	20.00	94.15	19.21		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.35	60.00	4.90	2.22	120.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	20.00	105.94	24.07		120.0		
		Z	20.00	97.05	19.24		120.0		
10387	QPSK Waveform, 1 MHz	X	1.72	66.08	15.26	1.00	150.0	$\pm 2.3\%$	$\pm 9.6\%$
		Y	1.81	67.15	15.70		150.0		
		Z	1.65	65.81	14.67		150.0		
10388	QPSK Waveform, 10 MHz	X	2.37	68.93	16.09	0.00	150.0	$\pm 0.9\%$	$\pm 9.6\%$
		Y	2.43	69.28	16.43		150.0		
		Z	2.19	67.68	15.43		150.0		
10396	64-QAM Waveform, 100 kHz	X	3.18	70.44	18.61	3.01	150.0	$\pm 0.7\%$	$\pm 9.6\%$
		Y	2.68	69.13	18.20		150.0		
		Z	2.79	69.85	18.32		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.58	67.37	16.00	0.00	150.0	$\pm 2.6\%$	$\pm 9.6\%$
		Y	3.52	67.15	15.86		150.0		
		Z	3.52	67.16	15.70		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.82	65.01	15.38	0.00	150.0	$\pm 4.8\%$	$\pm 9.6\%$
		Y	4.86	65.57	15.53		150.0		
		Z	4.72	65.14	15.21		150.0		

Note: For details on UID parameters see Appendix

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%.

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -field uncertainty inside TSL (see Pages 5 and 6).^B Linearization parameter uncertainty for maximum specified field strength.^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

EX3DV4 - SN:3857

January 22, 2024

Parameters of Probe: EX3DV4 - SN:3857**Sensor Model Parameters**

	C1 fF	C2 fF	α V^{-1}	T1 msV^{-2}	T2 msV^{-1}	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	60.4	474.07	38.85	7.88	1.12	5.02	0.00	0.69	1.01
y	47.6	353.35	35.19	13.81	0.00	5.07	0.47	0.31	1.00
z	45.6	337.66	35.00	8.55	0.32	5.05	1.03	0.23	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	54.5°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3–4 mm for an *Area Scan* job.

EX3DV4 - SN:3857

January 22, 2024

Parameters of Probe: EX3DV4 - SN:3857**Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	9.21	8.75	9.15	0.40	1.27	±12.0%
835	41.5	0.90	9.29	8.23	9.75	0.39	1.27	±12.0%
1450	40.5	1.20	7.40	6.88	7.61	0.49	1.27	±12.0%
1750	40.1	1.37	7.78	7.10	7.90	0.28	1.27	±12.0%
1900	40.0	1.40	7.93	7.26	8.03	0.30	1.27	±12.0%
2000	40.0	1.40	7.93	7.23	8.01	0.31	1.27	±12.0%
2300	39.5	1.67	7.77	7.09	7.82	0.32	1.27	±12.0%
2450	39.2	1.80	7.44	6.79	7.48	0.32	1.27	±12.0%
2600	39.0	1.96	7.36	6.70	7.41	0.29	1.27	±12.0%
3300	38.2	2.71	6.74	6.02	6.54	0.37	1.27	±14.0%
3500	37.9	2.91	7.08	6.34	6.93	0.37	1.27	±14.0%
3700	37.7	3.12	7.06	6.33	6.89	0.36	1.27	±14.0%
3900	37.5	3.32	7.38	6.56	7.19	0.37	1.27	±14.0%
4100	37.2	3.53	6.69	5.98	6.54	0.38	1.27	±14.0%
4200	37.1	3.63	6.35	5.62	6.14	0.38	1.27	±14.0%
4400	36.9	3.84	6.24	5.53	6.07	0.39	1.27	±14.0%
4600	36.7	4.04	6.40	5.67	6.23	0.38	1.27	±14.0%
4800	36.4	4.25	6.33	5.57	6.13	0.38	1.27	±14.0%
4950	36.3	4.40	5.70	5.10	5.65	0.43	1.36	±14.0%
5250	35.9	4.71	5.34	4.76	5.24	0.36	1.64	±14.0%
5600	35.5	5.07	4.90	4.30	4.75	0.42	1.67	±14.0%
5750	35.4	5.22	5.19	4.53	5.01	0.38	1.84	±14.0%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

EX3DV4 - SN:3857

January 22, 2024

Parameters of Probe: EX3DV4 - SN:3857**Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz)^C	Relative Permittivity^F	Conductivity^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha^G	Depth^G (mm)	Unc (k = 2)
6500	34.5	6.07	5.80	5.17	5.72	0.20	2.50	±18.6%

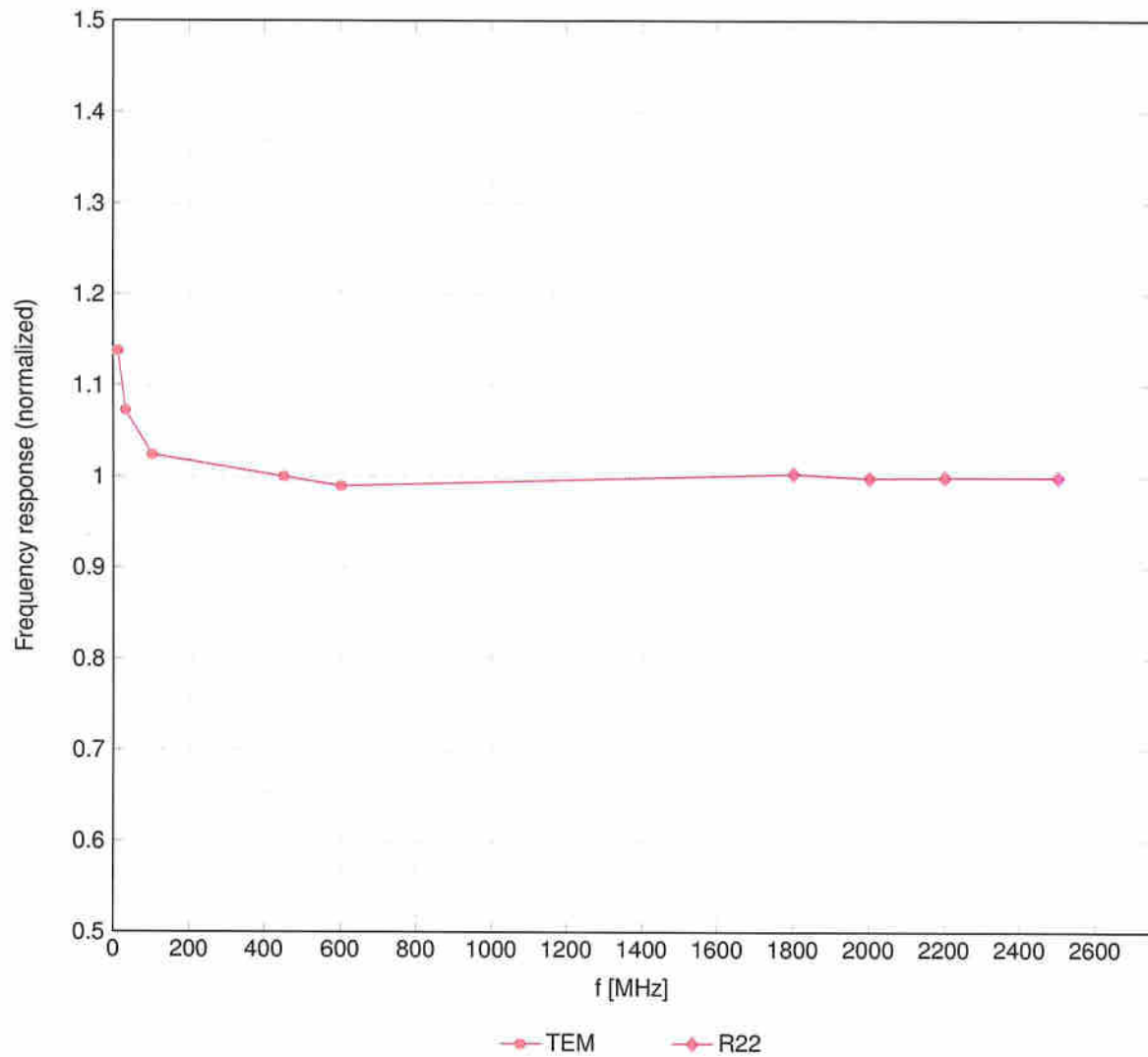
^C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

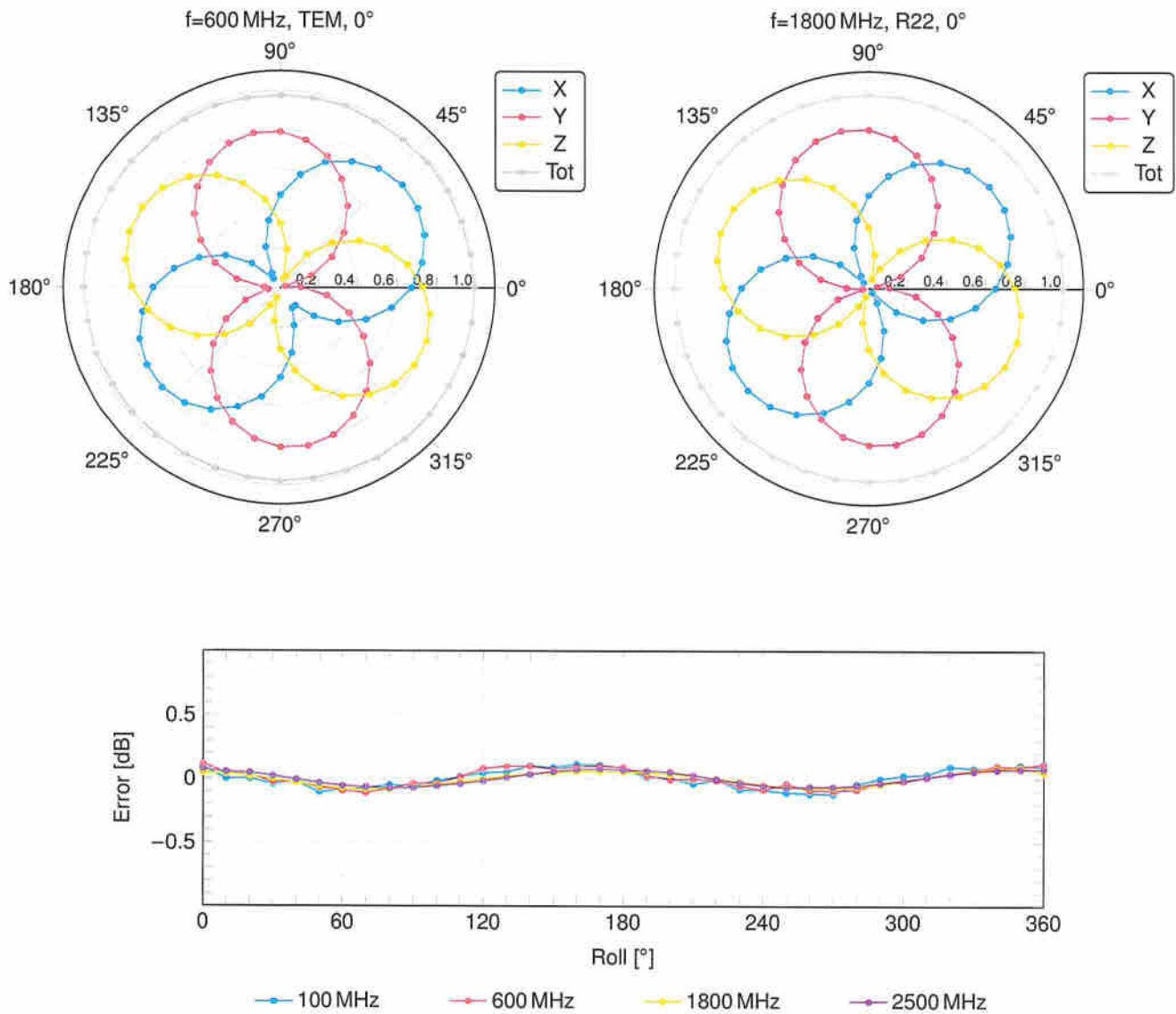
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

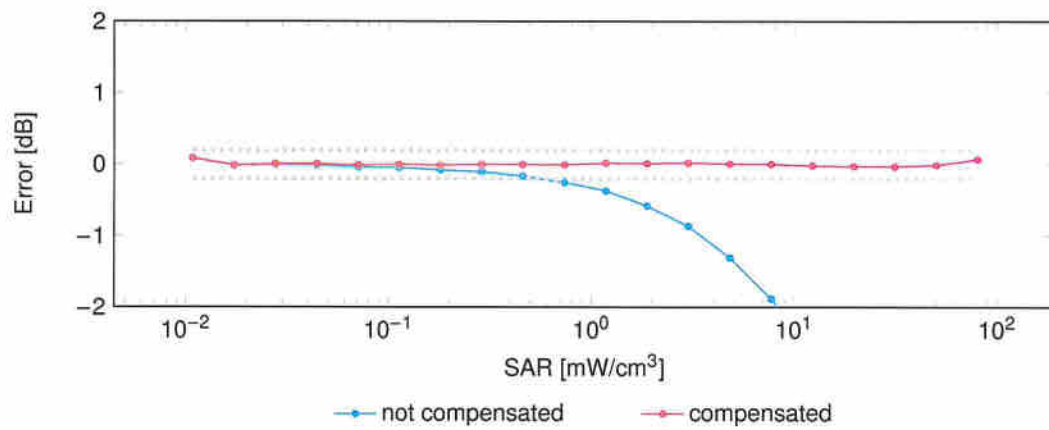
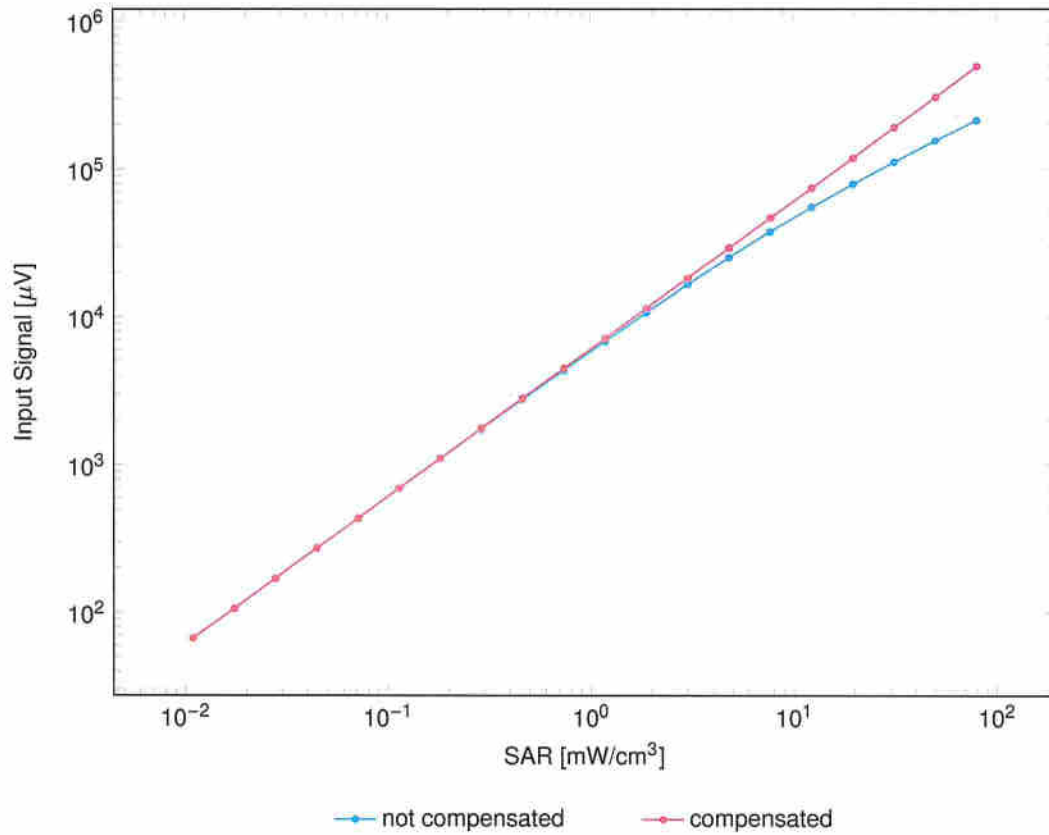
Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide:R22)

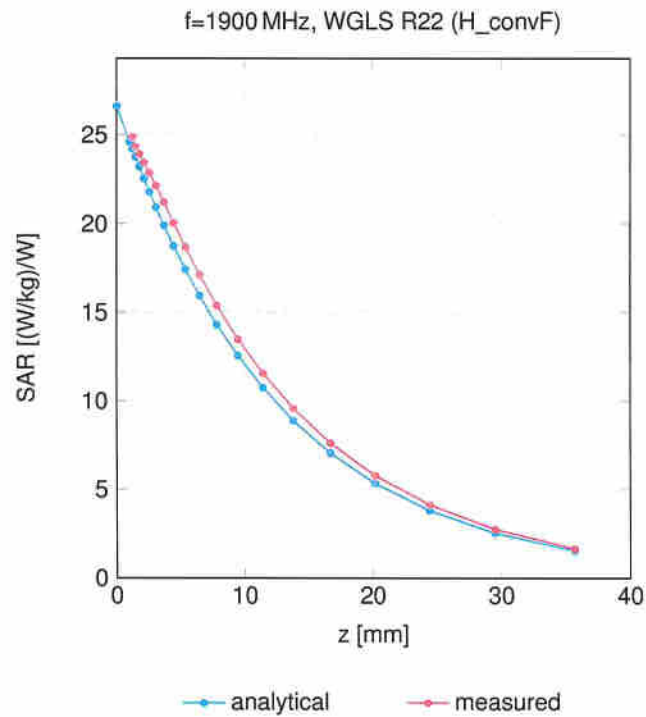


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

Receiving Pattern (ϕ), $\vartheta = 0^\circ$ 

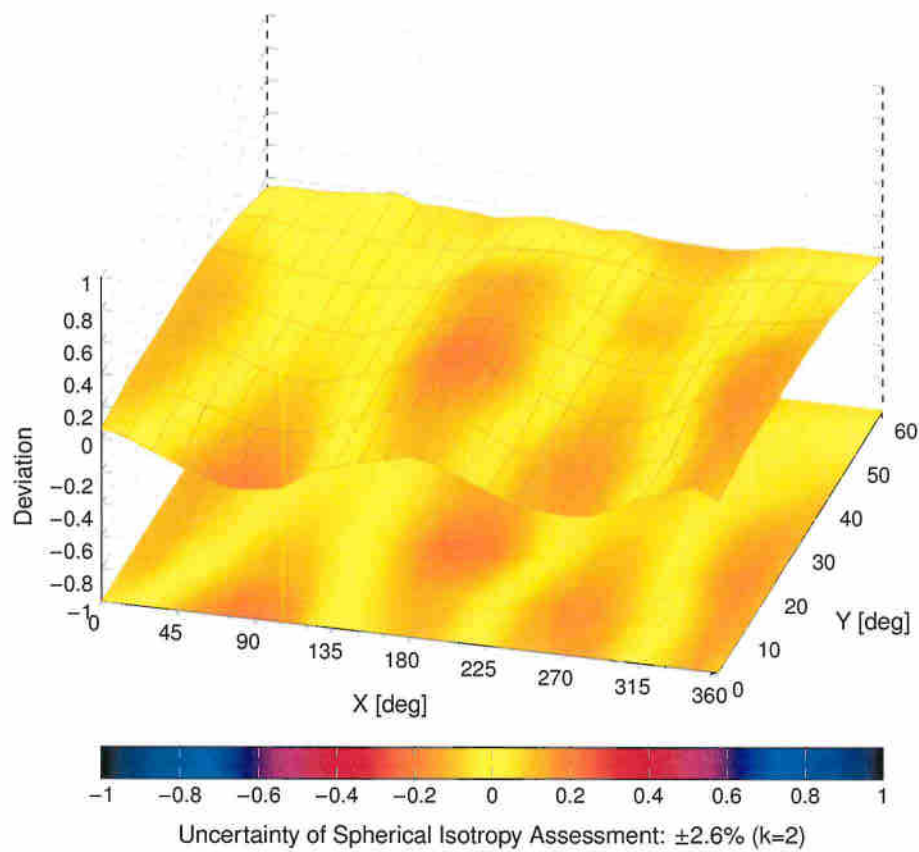
Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900\text{MHz}$)Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), f = 900 MHz



EX3DV4 - SN:3857

January 22, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	iDEN 1:3	iDEN	10.51	±9.6
10314	AAA	iDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	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	AAC	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	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	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	AAC	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	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	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	AAC	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	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	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	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	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	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	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAD	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

EX3DV4 - SN:3857

January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
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 (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, 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.



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Appendix E. Output Power Measurement

<GSM Conducted Power>

General Note:

1. Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

Full&Default Power Mode

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		824.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.32	32.12	33.50	23.09	23.32	23.12	24.50
GPRS 1 Tx slot	32.10	32.31	32.15	33.50	23.10	23.31	23.15	24.50
GPRS 2 Tx slots	29.49	29.70	29.55	31.00	23.49	23.70	23.55	25.00
GPRS 3 Tx slots	27.70	27.81	27.65	29.00	23.44	23.55	23.39	24.74
GPRS 4 Tx slots	26.02	26.24	26.13	27.00	23.02	23.24	23.13	24.00
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

GSM1900 Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	Frequency (MHz)	1850.2	1880		1850.2	1880	1909.8	
GSM 1 Tx slot	28.86	29.07	28.90	30.50	19.86	20.07	19.90	21.50
GPRS 1 Tx slot	28.74	29.00	28.87	30.50	19.74	20.00	19.87	21.50
GPRS 2 Tx slots	26.64	26.76	26.55	28.00	20.64	20.76	20.55	22.00
GPRS 3 Tx slots	24.82	24.91	24.70	26.00	20.56	20.65	20.44	21.74
GPRS 4 Tx slots	23.28	23.52	23.29	24.50	20.28	20.52	20.29	21.50
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

Reduced Power Mode for DSI 0

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

GSM850 Ant 0 DSI0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		824.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.32	32.12	33.50	23.09	23.32	23.12	24.50
GPRS 1 Tx slot	32.10	32.31	32.15	33.50	23.10	23.31	23.15	24.50
GPRS 2 Tx slots	29.49	29.70	29.55	31.00	23.49	23.70	23.55	25.00
GPRS 3 Tx slots	27.70	27.81	27.65	29.00	23.44	23.55	23.39	24.74
GPRS 4 Tx slots	26.02	26.24	26.13	27.00	23.02	23.24	23.13	24.00
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM1900 Ant 2 DSI0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	Frequency (MHz)	1850.2	1880		1850.2	1880	1909.8	
GSM 1 Tx slot	28.86	29.07	28.90	30.50	19.86	20.07	19.90	21.50
GPRS 1 Tx slot	28.74	29.00	28.87	30.50	19.74	20.00	19.87	21.50
GPRS 2 Tx slots	26.64	26.76	26.55	28.00	20.64	20.76	20.55	22.00
GPRS 3 Tx slots	24.82	24.91	24.70	26.00	20.56	20.65	20.44	21.74
GPRS 4 Tx slots	23.28	23.52	23.29	24.50	20.28	20.52	20.29	21.50
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

Reduced Power Mode for DSI 1

GSM850 Ant 0 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	Frequency (MHz)	824.2	836.4		824.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.32	32.12	33.50	23.09	23.32	23.12	24.50
GPRS 1 Tx slot	32.10	32.31	32.15	33.50	23.10	23.31	23.15	24.50
GPRS 2 Tx slots	29.49	29.70	29.55	31.00	23.49	23.70	23.55	25.00
GPRS 3 Tx slots	27.70	27.81	27.65	29.00	23.44	23.55	23.39	24.74
GPRS 4 Tx slots	26.02	26.24	26.13	27.00	23.02	23.24	23.13	24.00
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM1900 Ant 2 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.86	29.07	28.90	30.50	19.86	20.07	19.90	21.50
GPRS 1 Tx slot	28.74	29.00	28.87	30.50	19.74	20.00	19.87	21.50
GPRS 2 Tx slots	26.64	26.76	26.55	28.00	20.64	20.76	20.55	22.00
GPRS 3 Tx slots	24.82	24.91	24.70	26.00	20.56	20.65	20.44	21.74
GPRS 4 Tx slots	23.28	23.52	23.29	24.50	20.28	20.52	20.29	21.50
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

Reduced Power Mode for DSI 2

GSM850 Ant 0 DSI2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.69	30.92	30.72	32.10	21.69	21.92	21.72	23.10
GPRS 1 Tx slot	30.70	30.91	30.75	32.10	21.70	21.91	21.75	23.10
GPRS 2 Tx slots	27.59	27.80	27.65	29.10	21.59	21.80	21.65	23.10
GPRS 3 Tx slots	26.00	26.11	25.95	27.30	21.74	21.85	21.69	23.04
GPRS 4 Tx slots	25.12	25.34	25.24	26.10	22.12	22.34	22.24	23.10
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM1900 Ant 2 DSI2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.76	27.97	27.80	29.40	18.76	18.97	18.80	20.40
GPRS 1 Tx slot	27.64	27.90	27.77	29.40	18.64	18.90	18.77	20.40
GPRS 2 Tx slots	25.04	25.16	24.95	26.40	19.04	19.16	18.95	20.40
GPRS 3 Tx slots	23.52	23.61	23.40	24.60	19.26	19.35	19.14	20.34
GPRS 4 Tx slots	22.07	22.42	22.19	23.40	19.07	19.42	19.19	20.40
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

Reduced Power Mode for DSI 4

GSM850 Ant 0 DSI4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.32	32.12	33.50	23.09	23.32	23.12	24.50
GPRS 1 Tx slot	32.10	32.31	32.15	33.50	23.10	23.31	23.15	24.50
GPRS 2 Tx slots	29.49	29.70	29.55	31.00	23.49	23.70	23.55	25.00
GPRS 3 Tx slots	27.70	27.81	27.65	29.00	23.44	23.55	23.39	24.74
GPRS 4 Tx slots	26.02	26.24	26.13	27.00	23.02	23.24	23.13	24.00
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM1900 Ant 2 DSI4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.86	29.07	28.90	30.50	19.86	20.07	19.90	21.50
GPRS 1 Tx slot	28.74	29.00	28.87	30.50	19.74	20.00	19.87	21.50
GPRS 2 Tx slots	26.64	26.76	26.55	28.00	20.64	20.76	20.55	22.00
GPRS 3 Tx slots	24.82	24.91	24.70	26.00	20.56	20.65	20.44	21.74
GPRS 4 Tx slots	23.28	23.52	23.29	24.50	20.28	20.52	20.29	21.50
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

Reduced Power Mode for DSI 5

GSM850 Ant 0 DSI5	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.32	32.12	33.50	23.09	23.32	23.12	24.50
GPRS 1 Tx slot	32.10	32.31	32.15	33.50	23.10	23.31	23.15	24.50
GPRS 2 Tx slots	29.49	29.70	29.55	31.00	23.49	23.70	23.55	25.00
GPRS 3 Tx slots	27.70	27.81	27.65	29.00	23.44	23.55	23.39	24.74
GPRS 4 Tx slots	26.02	26.24	26.13	27.00	23.02	23.24	23.13	24.00
EDGE 1 Tx slot	25.41	25.61	25.42	26.50	16.41	16.61	16.42	17.50
EDGE 2 Tx slots	23.85	24.02	23.88	25.00	17.85	18.02	17.88	19.00
EDGE 3 Tx slots	22.55	22.74	22.62	24.00	18.29	18.48	18.36	19.74
EDGE 4 Tx slots	21.06	21.21	21.05	22.00	18.06	18.21	18.05	19.00

GSM1900 Ant 2 DSI5	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.86	29.07	28.90	30.50	19.86	20.07	19.90	21.50
GPRS 1 Tx slot	28.74	29.00	28.87	30.50	19.74	20.00	19.87	21.50
GPRS 2 Tx slots	26.64	26.76	26.55	28.00	20.64	20.76	20.55	22.00
GPRS 3 Tx slots	24.82	24.91	24.70	26.00	20.56	20.65	20.44	21.74
GPRS 4 Tx slots	23.28	23.52	23.29	24.50	20.28	20.52	20.29	21.50
EDGE 1 Tx slot	24.35	24.51	24.40	25.50	15.35	15.51	15.40	16.50
EDGE 2 Tx slots	22.84	22.97	22.80	24.00	16.84	16.97	16.80	18.00
EDGE 3 Tx slots	21.25	21.39	21.23	22.50	16.99	17.13	16.97	18.24
EDGE 4 Tx slots	20.15	20.40	20.28	20.50	17.15	17.40	17.28	17.50

GSM850 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.42	30.55	30.45	31.50	21.42	21.55	21.45	22.50
GPRS 1 Tx slot	30.41	30.52	30.43	31.50	21.41	21.52	21.43	22.50
GPRS 2 Tx slots	28.02	28.23	28.08	29.00	22.02	22.23	22.08	23.00
GPRS 3 Tx slots	26.21	26.32	26.16	27.50	21.95	22.06	21.90	23.24
GPRS 4 Tx slots	24.73	24.95	24.84	26.00	21.73	21.95	21.84	23.00
EDGE 1 Tx slot	24.16	24.36	24.17	25.50	15.16	15.36	15.17	16.50
EDGE 2 Tx slots	22.61	22.78	22.64	24.00	16.61	16.78	16.64	18.00
EDGE 3 Tx slots	21.34	21.53	21.41	22.50	17.08	17.27	17.15	18.24
EDGE 4 Tx slots	20.27	20.42	20.26	21.50	17.27	17.42	17.26	18.50

<WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each
 - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - iii. Set RMC 12.2Kbps + HSDPA mode.
 - iv. Set Cell Power = -86 dBm
 - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
 - viii. Set Ack-Nack Repetition Factor to 3
 - ix. Set CQI Feedback Cycle (k) to 4 ms
 - x. Set CQI Repetition Factor to 2
 - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{hs} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Setup Configuration

HSUPA Setup Configuration:

- The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- The RF path losses were compensated into the measurements.
- A call was established between EUT and Base Station with following setting * :
 - Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - Set Cell Power = -86 dBm
 - Set Channel Type = 12.2k + HSPA
 - Set UE Target Power
 - Power Ctrl Mode= Alternating bits
 - Set and observe the E-TFCI
 - Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{hs} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_d/\beta_c = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

Setup Configuration

DC-HSDPA 3GPP release 8 Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration below
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set RMC 12.2Kbps + HSDPA mode.
 - ii. Set Cell Power = -25 dBm
 - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
 - iv. Select HSDPA Uplink Parameters
 - v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - a). Subtest 1: $\beta_c/\beta_d=2/15$
 - b). Subtest 2: $\beta_c/\beta_d=12/15$
 - c). Subtest 3: $\beta_c/\beta_d=15/8$
 - d). Subtest 4: $\beta_c/\beta_d=15/4$
 - vi. Set Delta ACK, Delta NACK and Delta CQI = 8
 - vii. Set Ack-Nack Repetition Factor to 3
 - viii. Set CQI Feedback Cycle (k) to 4 ms
 - ix. Set CQI Repetition Factor to 2
 - x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{inf})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

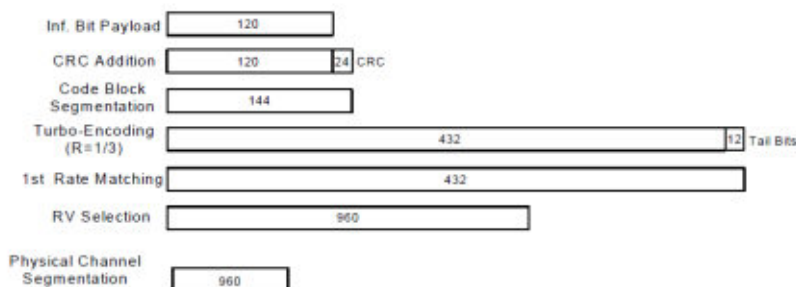


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration

<WCDMA Conducted Power>

General Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

Full&Default Power Mode

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.98	22.96	24.00
3GPP Rel 99	RMC 12.2Kbps	22.88	23.02	22.98	24.00
3GPP Rel 6	HSDPA Subtest-1	21.66	21.88	21.86	23.00
3GPP Rel 6	HSDPA Subtest-2	21.83	21.80	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	21.24	21.25	21.23	22.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.38	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.80	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	21.78	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.34	21.23	22.50
3GPP Rel 6	HSUPA Subtest-1	21.76	21.70	21.79	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.68	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.71	20.81	20.84	22.00
3GPP Rel 6	HSUPA Subtest-4	19.56	19.65	19.91	21.00
3GPP Rel 6	HSUPA Subtest-5	21.79	21.90	21.83	23.00

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

Band		WCDMA II Ant 2			Tune-up Limit (dBm)	WCDMA IV Ant 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.76	22.84	22.75	24.00	22.64	22.65	22.64	24.00
3GPP Rel 99	RMC 12.2Kbps	22.67	22.91	22.80	24.00	22.61	22.79	22.77	24.00
3GPP Rel 6	HSDPA Subtest-1	21.54	21.65	21.68	23.00	21.33	21.65	21.64	23.00
3GPP Rel 6	HSDPA Subtest-2	21.62	21.62	21.52	23.00	21.62	21.55	21.47	23.00
3GPP Rel 6	HSDPA Subtest-3	21.08	21.01	21.09	22.50	20.94	21.05	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.99	21.13	20.94	22.50	20.86	21.17	20.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.53	21.69	21.72	23.00	21.44	21.53	21.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.71	21.61	21.70	23.00	21.60	21.54	21.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.13	21.20	21.04	22.50	21.04	21.05	20.97	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.15	21.18	21.10	22.50	21.05	21.01	20.90	22.50
3GPP Rel 6	HSUPA Subtest-1	21.59	21.59	21.62	23.00	21.51	21.50	21.59	23.00
3GPP Rel 6	HSUPA Subtest-2	19.57	19.50	19.60	21.00	19.55	19.44	19.54	21.00
3GPP Rel 6	HSUPA Subtest-3	20.56	20.68	20.73	22.00	20.47	20.55	20.51	22.00
3GPP Rel 6	HSUPA Subtest-4	19.45	19.50	19.72	21.00	19.24	19.32	19.67	21.00
3GPP Rel 6	HSUPA Subtest-5	21.54	21.74	21.72	23.00	21.54	21.61	21.60	23.00

Reduced Power Mode for DSI 0

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

Band		WCDMA V Ant 0 DSI0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.98	22.96	24.00
3GPP Rel 99	RMC 12.2Kbps	22.88	23.02	22.98	24.00
3GPP Rel 6	HSDPA Subtest-1	21.66	21.88	21.86	23.00
3GPP Rel 6	HSDPA Subtest-2	21.83	21.80	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	21.24	21.25	21.23	22.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.38	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.80	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	21.78	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.34	21.23	22.50
3GPP Rel 6	HSUPA Subtest-1	21.76	21.70	21.79	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.68	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.71	20.81	20.84	22.00
3GPP Rel 6	HSUPA Subtest-4	19.56	19.65	19.91	21.00
3GPP Rel 6	HSUPA Subtest-5	21.79	21.90	21.83	23.00

Band		WCDMA II Ant 2 DSI0			Tune-up Limit (dBm)	WCDMA IV Ant 2 DSI0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.39	22.45	22.32	24.00	22.64	22.65	22.64	24.00
3GPP Rel 99	RMC 12.2Kbps	22.22	22.46	22.38	24.00	22.61	22.79	22.77	24.00
3GPP Rel 6	HSDPA Subtest-1	21.13	21.25	21.28	23.00	21.33	21.65	21.64	23.00
3GPP Rel 6	HSDPA Subtest-2	21.26	21.24	21.15	23.00	21.62	21.55	21.47	23.00
3GPP Rel 6	HSDPA Subtest-3	20.64	20.63	20.72	22.50	20.94	21.05	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.55	20.71	20.50	22.50	20.86	21.17	20.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.09	21.25	21.27	23.00	21.44	21.53	21.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.28	21.19	21.26	23.00	21.60	21.54	21.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.76	20.84	20.69	22.50	21.04	21.05	20.97	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.76	20.73	20.72	22.50	21.05	21.01	20.90	22.50
3GPP Rel 6	HSUPA Subtest-1	21.22	21.14	21.19	23.00	21.51	21.50	21.59	23.00
3GPP Rel 6	HSUPA Subtest-2	19.15	19.07	19.19	21.00	19.55	19.44	19.54	21.00
3GPP Rel 6	HSUPA Subtest-3	20.12	20.27	20.30	22.00	20.47	20.55	20.51	22.00
3GPP Rel 6	HSUPA Subtest-4	19.06	19.05	19.32	21.00	19.24	19.32	19.67	21.00
3GPP Rel 6	HSUPA Subtest-5	21.16	21.31	21.30	23.00	21.54	21.61	21.60	23.00

Reduced Power Mode for DSI 1

Band		WCDMA V Ant 0 DSI1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.98	22.96	24.00
3GPP Rel 99	RMC 12.2Kbps	22.88	23.02	22.98	24.00
3GPP Rel 6	HSDPA Subtest-1	21.66	21.88	21.86	23.00
3GPP Rel 6	HSDPA Subtest-2	21.83	21.80	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	21.24	21.25	21.23	22.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.38	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.80	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	21.78	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.34	21.23	22.50
3GPP Rel 6	HSUPA Subtest-1	21.76	21.70	21.79	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.68	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.71	20.81	20.84	22.00
3GPP Rel 6	HSUPA Subtest-4	19.56	19.65	19.91	21.00
3GPP Rel 6	HSUPA Subtest-5	21.79	21.90	21.83	23.00

Band		WCDMA II Ant 2 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 2 DSI1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.83	20.91	20.82	22.10	22.05	22.06	22.05	23.10
3GPP Rel 99	RMC 12.2Kbps	20.74	20.98	20.87	22.10	22.02	22.20	22.18	23.10
3GPP Rel 6	HSDPA Subtest-1	20.61	20.72	20.75	22.10	21.33	21.65	21.64	23.00
3GPP Rel 6	HSDPA Subtest-2	20.69	20.69	20.59	22.10	21.62	21.55	21.47	23.00
3GPP Rel 6	HSDPA Subtest-3	20.35	20.48	20.56	22.10	20.94	21.05	20.91	22.50
3GPP Rel 6	HSDPA Subtest-4	20.46	20.20	20.31	22.10	20.86	21.17	20.84	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.60	20.76	20.79	22.10	21.44	21.53	21.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.78	20.68	20.77	22.10	21.60	21.54	21.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.20	20.27	20.11	22.10	21.04	21.05	20.97	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.22	20.25	20.17	22.10	21.05	21.01	20.90	22.50
3GPP Rel 6	HSUPA Subtest-1	20.66	20.66	20.69	22.10	21.51	21.50	21.59	23.00
3GPP Rel 6	HSUPA Subtest-2	19.57	19.50	19.60	21.00	19.55	19.44	19.54	21.00
3GPP Rel 6	HSUPA Subtest-3	20.56	20.68	20.73	22.10	20.47	20.55	20.51	22.00
3GPP Rel 6	HSUPA Subtest-4	19.45	19.50	19.72	21.00	19.24	19.32	19.67	21.00
3GPP Rel 6	HSUPA Subtest-5	20.61	20.81	20.79	22.10	21.54	21.61	21.60	23.00

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

Reduced Power Mode for DSI 2

Band		WCDMA V Ant 0 DSI2			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.15	21.19	21.13	22.70
3GPP Rel 99	RMC 12.2Kbps	21.15	21.20	21.18	22.70
3GPP Rel 6	HSDPA Subtest-1	19.84	19.98	20.14	21.70
3GPP Rel 6	HSDPA Subtest-2	20.12	19.95	19.90	21.70
3GPP Rel 6	HSDPA Subtest-3	19.41	19.48	19.50	21.20
3GPP Rel 6	HSDPA Subtest-4	19.33	19.61	19.37	21.20
3GPP Rel 8	DC-HSDPA Subtest-1	20.00	20.12	20.22	21.70
3GPP Rel 8	DC-HSDPA Subtest-2	20.09	19.86	20.01	21.70
3GPP Rel 8	DC-HSDPA Subtest-3	19.63	19.54	19.40	21.20
3GPP Rel 8	DC-HSDPA Subtest-4	19.48	19.61	19.48	21.20
3GPP Rel 6	HSUPA Subtest-1	19.94	20.02	19.98	21.70
3GPP Rel 6	HSUPA Subtest-2	17.90	17.76	18.13	19.70
3GPP Rel 6	HSUPA Subtest-3	18.89	19.10	19.12	20.70
3GPP Rel 6	HSUPA Subtest-4	17.80	17.77	18.11	19.70
3GPP Rel 6	HSUPA Subtest-5	20.01	20.04	19.96	21.70

Band		WCDMA II Ant 2 DSI2			Tune-up Limit (dBm)	WCDMA IV Ant 2 DSI2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.60	18.66	18.56	20.30	19.10	19.04	19.04	20.20
3GPP Rel 99	RMC 12.2Kbps	18.68	18.70	18.69	20.30	19.07	19.17	19.15	20.20
3GPP Rel 6	HSDPA Subtest-1	17.42	17.54	17.59	19.30	17.89	18.27	18.19	19.20
3GPP Rel 6	HSDPA Subtest-2	17.43	17.48	17.43	19.30	18.02	18.10	17.92	19.20
3GPP Rel 6	HSDPA Subtest-3	16.89	16.81	16.95	18.80	17.38	17.47	17.33	18.70
3GPP Rel 6	HSDPA Subtest-4	16.84	16.97	16.82	18.80	17.44	17.78	17.24	18.70
3GPP Rel 8	DC-HSDPA Subtest-1	17.48	17.55	17.51	19.30	18.05	18.14	18.13	19.20
3GPP Rel 8	DC-HSDPA Subtest-2	17.57	17.38	17.54	19.30	18.03	17.93	18.00	19.20
3GPP Rel 8	DC-HSDPA Subtest-3	16.92	17.04	16.88	18.80	17.49	17.46	17.40	18.70
3GPP Rel 8	DC-HSDPA Subtest-4	17.03	17.00	16.89	18.80	17.46	17.56	17.40	18.70
3GPP Rel 6	HSUPA Subtest-1	17.45	17.47	17.51	19.30	17.92	18.02	18.02	19.20
3GPP Rel 6	HSUPA Subtest-2	15.34	15.35	15.40	17.30	15.98	16.01	16.09	17.20
3GPP Rel 6	HSUPA Subtest-3	16.41	16.54	16.58	18.30	17.08	17.11	16.93	18.20
3GPP Rel 6	HSUPA Subtest-4	15.47	15.44	15.45	17.30	15.68	15.85	16.05	17.20
3GPP Rel 6	HSUPA Subtest-5	17.33	17.59	17.45	19.30	17.99	18.12	18.11	19.20

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

Reduced Power Mode for DSI 4

Band		WCDMA V Ant 0 DSI4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.98	22.96	24.00
3GPP Rel 99	RMC 12.2Kbps	22.88	23.02	22.98	24.00
3GPP Rel 6	HSDPA Subtest-1	21.66	21.88	21.86	23.00
3GPP Rel 6	HSDPA Subtest-2	21.83	21.80	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	21.24	21.25	21.23	22.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.38	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.80	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	21.78	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.34	21.23	22.50
3GPP Rel 6	HSUPA Subtest-1	21.76	21.70	21.79	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.68	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.71	20.81	20.84	22.00
3GPP Rel 6	HSUPA Subtest-4	19.56	19.65	19.91	21.00
3GPP Rel 6	HSUPA Subtest-5	21.79	21.90	21.83	23.00

Band		WCDMA II Ant 2 DSI4			Tune-up Limit (dBm)	WCDMA IV Ant 2 DSI4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.14	19.22	19.14	20.70	20.63	20.66	20.60	21.70
3GPP Rel 99	RMC 12.2Kbps	19.13	19.36	19.21	20.70	20.64	20.82	20.74	21.70
3GPP Rel 6	HSDPA Subtest-1	18.92	19.10	19.09	20.70	20.48	20.60	20.53	21.70
3GPP Rel 6	HSDPA Subtest-2	19.08	19.03	18.96	20.70	20.43	20.67	20.55	21.70
3GPP Rel 6	HSDPA Subtest-3	18.88	19.06	19.12	20.70	20.43	20.58	20.56	21.70
3GPP Rel 6	HSDPA Subtest-4	18.92	18.98	19.04	20.70	20.43	20.62	20.59	21.70
3GPP Rel 8	DC-HSDPA Subtest-1	18.90	19.03	19.09	20.70	20.48	20.60	20.55	21.70
3GPP Rel 8	DC-HSDPA Subtest-2	18.91	19.05	19.05	20.70	20.45	20.58	20.50	21.70
3GPP Rel 8	DC-HSDPA Subtest-3	18.88	19.04	19.07	20.70	20.46	20.60	20.56	21.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.91	19.02	19.04	20.70	20.48	20.66	20.52	21.70
3GPP Rel 6	HSUPA Subtest-1	18.87	18.98	19.08	20.70	20.10	20.15	20.22	21.70
3GPP Rel 6	HSUPA Subtest-2	18.92	19.05	19.05	20.70	20.48	20.58	20.54	21.00
3GPP Rel 6	HSUPA Subtest-3	18.91	19.03	19.03	20.70	20.46	20.58	20.50	21.70
3GPP Rel 6	HSUPA Subtest-4	18.93	19.04	19.08	20.70	20.45	20.62	20.50	21.00
3GPP Rel 6	HSUPA Subtest-5	18.89	19.07	19.07	20.70	20.11	20.20	20.21	21.70

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

Reduced Power Mode for DSI 5

Band		WCDMA V Ant 0 DSI5			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.98	22.96	24.00
3GPP Rel 99	RMC 12.2Kbps	22.88	23.02	22.98	24.00
3GPP Rel 6	HSDPA Subtest-1	21.66	21.88	21.86	23.00
3GPP Rel 6	HSDPA Subtest-2	21.83	21.80	21.69	23.00
3GPP Rel 6	HSDPA Subtest-3	21.24	21.25	21.23	22.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.38	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.68	21.80	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.94	21.78	21.84	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.34	21.34	21.22	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.34	21.23	22.50
3GPP Rel 6	HSUPA Subtest-1	21.76	21.70	21.79	23.00
3GPP Rel 6	HSUPA Subtest-2	19.76	19.68	19.81	21.00
3GPP Rel 6	HSUPA Subtest-3	20.71	20.81	20.84	22.00
3GPP Rel 6	HSUPA Subtest-4	19.56	19.65	19.91	21.00
3GPP Rel 6	HSUPA Subtest-5	21.79	21.90	21.83	23.00

Band		WCDMA II Ant 2 DSI5			Tune-up Limit (dBm)	WCDMA IV Ant 2 DSI5			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.83	20.91	20.82	22.00	21.15	21.16	21.15	22.20
3GPP Rel 99	RMC 12.2Kbps	20.74	20.98	20.87	22.00	21.12	21.30	21.28	22.20
3GPP Rel 6	HSDPA Subtest-1	20.61	20.72	20.75	22.00	20.43	20.75	20.74	22.20
3GPP Rel 6	HSDPA Subtest-2	20.69	20.69	20.59	22.00	20.72	20.65	20.57	22.20
3GPP Rel 6	HSDPA Subtest-3	20.35	20.48	20.56	21.50	20.04	20.15	20.01	21.70
3GPP Rel 6	HSDPA Subtest-4	20.46	20.20	20.31	21.50	19.96	20.27	19.94	21.70
3GPP Rel 8	DC-HSDPA Subtest-1	20.60	20.76	20.79	22.00	20.54	20.63	20.80	22.20
3GPP Rel 8	DC-HSDPA Subtest-2	20.78	20.68	20.77	22.00	20.70	20.64	20.66	22.20
3GPP Rel 8	DC-HSDPA Subtest-3	20.20	20.27	20.11	21.50	20.14	20.15	20.07	21.70
3GPP Rel 8	DC-HSDPA Subtest-4	20.22	20.25	20.17	21.50	20.15	20.11	20.00	21.70
3GPP Rel 6	HSUPA Subtest-1	20.66	20.66	20.69	22.00	20.61	20.60	20.69	22.20
3GPP Rel 6	HSUPA Subtest-2	19.57	19.50	19.60	20.00	18.65	18.54	18.64	20.20
3GPP Rel 6	HSUPA Subtest-3	20.56	20.68	20.73	21.00	19.57	19.65	19.61	21.20
3GPP Rel 6	HSUPA Subtest-4	19.45	19.50	19.72	20.00	18.34	18.42	18.77	20.20
3GPP Rel 6	HSUPA Subtest-5	20.61	20.81	20.79	22.00	20.64	20.71	20.70	22.20

Band		WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.92	21.88	21.97	23.00
3GPP Rel 99	RMC 12.2Kbps	21.99	22.06	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	20.60	20.79	20.92	22.00
3GPP Rel 6	HSDPA Subtest-2	20.68	20.67	20.55	22.00
3GPP Rel 6	HSDPA Subtest-3	20.15	20.12	20.23	21.50
3GPP Rel 6	HSDPA Subtest-4	20.14	20.39	20.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.62	20.81	20.85	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.99	20.74	20.88	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.40	20.38	20.20	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.43	20.27	20.21	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.78	18.61	18.69	20.00
3GPP Rel 6	HSUPA Subtest-3	19.72	19.87	19.78	21.00
3GPP Rel 6	HSUPA Subtest-4	18.49	18.71	18.86	20.00
3GPP Rel 6	HSUPA Subtest-5	20.70	20.77	20.83	22.00

<LTE Conducted Power>

General Note:

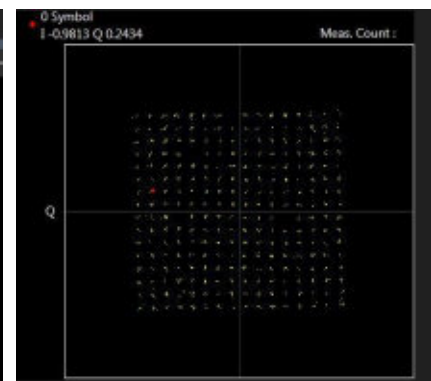
1. Anritsu MT8820C base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE 4 / B5 / B17 / B38 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE band 4 / 5 / 38 SAR test was covered by Band 66 / 26 / 41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band
10. According to May 2017 TCB workshop, for 16QAM and 64QAM, 256QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >> constellation" mode of the device connect to the MT8821C base station, therefore, the device 256QAM, 64QAM and 16QAM signal modulation are correct.



16QAM



64QAM



256QAM

Full&Default Power Mode

Band 5 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.74	22.84	22.79	24	0
10	QPSK	1	25	22.79	22.78	22.81		
10	QPSK	1	49	22.80	22.83	22.74		
10	QPSK	25	0	21.87	22.04	21.83	23	1
10	QPSK	25	12	21.93	21.85	21.85		
10	QPSK	25	25	22.02	21.89	21.90		
10	QPSK	50	0	21.85	21.96	21.90	23	1
10	16QAM	1	0	22.22	22.21	22.23		
10	16QAM	1	25	22.15	22.25	22.28		
10	16QAM	1	49	22.24	22.23	22.42	22	2
10	16QAM	25	0	21.03	20.95	20.84		
10	16QAM	25	12	20.91	20.92	20.98		
10	16QAM	25	25	20.94	20.88	20.90	22	2
10	16QAM	50	0	20.84	20.90	20.75		
10	64QAM	1	0	20.92	20.94	20.87		
10	64QAM	1	25	20.95	20.89	20.86	22	2
10	64QAM	1	49	20.84	20.90	20.89		
10	64QAM	25	0	20.08	19.97	19.88		
10	64QAM	25	12	19.94	19.92	19.98	21	3
10	64QAM	25	25	20.10	20.05	19.99		
10	64QAM	50	0	19.86	20.00	20.00		
10	256QAM	1	0	17.83	17.69	17.82	19	5
10	256QAM	1	25	17.91	17.85	17.79		
10	256QAM	1	49	17.77	17.79	17.91		
10	256QAM	25	0	17.91	17.74	17.87	19	5
10	256QAM	25	12	17.81	17.80	17.75		
10	256QAM	25	25	17.82	17.83	17.82		
10	256QAM	50	0	17.79	17.85	17.83		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.54	22.62	22.56	24	0
5	QPSK	1	12	22.54	22.65	22.65		
5	QPSK	1	24	22.56	22.66	22.56		
5	QPSK	12	0	21.71	21.88	21.69	23	1
5	QPSK	12	7	21.75	21.72	21.65		
5	QPSK	12	13	21.83	21.72	21.73		
5	QPSK	25	0	21.60	21.72	21.76	23	1
5	16QAM	1	0	22.08	22.05	21.98		
5	16QAM	1	12	21.98	22.02	22.13		
5	16QAM	1	24	22.03	22.04	22.21	22	2
5	16QAM	12	0	20.90	20.75	20.65		
5	16QAM	12	7	20.72	20.76	20.85		
5	16QAM	12	13	20.81	20.77	20.78	22	2
5	16QAM	25	0	20.68	20.77	20.60		
5	64QAM	1	0	20.78	20.83	20.63		
5	64QAM	1	12	20.70	20.70	20.73	22	2
5	64QAM	1	24	20.68	20.67	20.77		
5	64QAM	12	0	19.91	19.84	19.66		
5	64QAM	12	7	19.78	19.73	19.75	21	3

5	64QAM	12	13	19.89	19.92	19.78		
5	64QAM	25	0	19.68	19.77	19.76		
5	256QAM	1	0	17.62	17.47	17.59		
5	256QAM	1	12	17.72	17.67	17.65	19	5
5	256QAM	1	24	17.66	17.56	17.79	19	5
5	256QAM	12	0	17.73	17.50	17.63		
5	256QAM	12	7	17.71	17.65	17.64		
5	256QAM	12	13	17.61	17.62	17.65		
5	256QAM	25	0	17.66	17.62	17.62	Tune-up limit (dBm)	MPR (dB)
Channel				20415	20525	20635		
Frequency (MHz)				825.5	836.5	847.5	24	0
3	QPSK	1	0	22.60	22.67	22.59		
3	QPSK	1	8	22.56	22.57	22.62		
3	QPSK	1	14	22.61	22.62	22.63	23	1
3	QPSK	8	0	21.75	21.91	21.60		
3	QPSK	8	4	21.82	21.71	21.73		
3	QPSK	8	7	21.86	21.69	21.74		
3	QPSK	15	0	21.61	21.72	21.76	23	1
3	16QAM	1	0	22.09	22.09	22.00		
3	16QAM	1	8	21.94	22.09	22.10		
3	16QAM	1	14	22.01	21.99	22.26	22	2
3	16QAM	8	0	20.81	20.80	20.61		
3	16QAM	8	4	20.71	20.73	20.87		
3	16QAM	8	7	20.83	20.74	20.74		
3	16QAM	15	0	20.66	20.78	20.56	22	2
3	64QAM	1	0	20.76	20.69	20.69		
3	64QAM	1	8	20.85	20.65	20.61		
3	64QAM	1	14	20.62	20.73	20.72	21	3
3	64QAM	8	0	19.97	19.84	19.64		
3	64QAM	8	4	19.69	19.79	19.77		
3	64QAM	8	7	19.86	19.93	19.77		
3	64QAM	15	0	19.64	19.83	19.88	19	5
3	256QAM	1	0	17.62	17.53	17.71		
3	256QAM	1	8	17.81	17.71	17.56		
3	256QAM	1	14	17.58	17.66	17.77	19	5
3	256QAM	8	0	17.67	17.49	17.62		
3	256QAM	8	4	17.66	17.65	17.62		
3	256QAM	8	7	17.62	17.70	17.64		
3	256QAM	15	0	17.55	17.65	17.59	Tune-up limit (dBm)	MPR (dB)
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3	24	0
1.4	QPSK	1	0	22.47	22.61	22.43		
1.4	QPSK	1	3	22.56	22.52	22.40		
1.4	QPSK	1	5	22.60	22.44	22.47		
1.4	QPSK	3	0	22.44	22.64	22.45		
1.4	QPSK	3	1	22.46	22.60	22.50		
1.4	QPSK	3	3	22.44	22.51	22.45	23	1
1.4	QPSK	6	0	21.43	21.47	21.48		
1.4	16QAM	1	0	21.62	21.42	21.46	23	1
1.4	16QAM	1	3	21.80	21.70	21.78		
1.4	16QAM	1	5	21.40	21.60	21.73		
1.4	16QAM	3	0	22.04	22.08	21.98		
1.4	16QAM	3	1	21.96	21.91	22.00		
1.4	16QAM	3	3	21.84	22.05	22.15		
1.4	16QAM	6	0	20.57	20.58	20.69	22	2

1.4	64QAM	1	0	20.69	20.51	20.77	22	2
1.4	64QAM	1	3	20.64	20.61	20.66		
1.4	64QAM	1	5	20.51	20.46	20.48		
1.4	64QAM	3	0	20.51	20.57	20.65		
1.4	64QAM	3	1	20.69	20.51	20.76		
1.4	64QAM	3	3	20.61	20.63	20.65	19	5
1.4	64QAM	6	0	20.36	20.51	20.51		
1.4	256QAM	1	0	17.64	17.53	17.52		
1.4	256QAM	1	3	17.58	17.53	17.44		
1.4	256QAM	1	5	17.55	17.53	17.47		
1.4	256QAM	3	0	17.71	17.58	17.40		
1.4	256QAM	3	1	17.51	17.49	17.46		
1.4	256QAM	3	3	17.59	17.50	17.59	19	5
1.4	256QAM	6	0	17.50	17.57	17.65		

Band 13 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		22.78		24	0
10	QPSK	1	25		22.68			
10	QPSK	1	49		22.77			
10	QPSK	25	0		22.03		23	1
10	QPSK	25	12		21.81			
10	QPSK	25	25		21.87			
10	QPSK	50	0		21.94		23	1
10	16QAM	1	0		22.14			
10	16QAM	1	25		22.21			
10	16QAM	1	49		22.23		22	2
10	16QAM	25	0		20.82			
10	16QAM	25	12		20.81			
10	16QAM	25	25		20.85		22	2
10	16QAM	50	0		20.81			
10	64QAM	1	0		20.86			
10	64QAM	1	25		20.89		21	3
10	64QAM	1	49		20.89			
10	64QAM	25	0		19.94			
10	64QAM	25	12		19.85		19	5
10	64QAM	25	25		19.93			
10	64QAM	50	0		19.97			
10	256QAM	1	0		17.66		19	5
10	256QAM	1	25		17.80			
10	256QAM	1	49		17.69			
10	256QAM	25	0		17.67		24	0
10	256QAM	25	12		17.73			
10	256QAM	25	25		17.69			
10	256QAM	50	0		17.80		23	1
Channel				23205	23230	23255		
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.60	22.67	22.60	24	0
5	QPSK	1	12	22.55	22.55	22.59		
5	QPSK	1	24	22.67	22.64	22.63		
5	QPSK	12	0	21.67	21.93	21.65	23	1

5	QPSK	12	7	21.83	21.66	21.72		
5	QPSK	12	13	21.82	21.77	21.73		
5	QPSK	25	0	21.73	21.81	21.70		
5	16QAM	1	0	22.11	22.07	22.12	23	1
5	16QAM	1	12	21.96	22.14	22.15		
5	16QAM	1	24	22.08	22.05	22.18		
5	16QAM	12	0	20.82	20.85	20.65	22	2
5	16QAM	12	7	20.72	20.76	20.78		
5	16QAM	12	13	20.82	20.67	20.71		
5	16QAM	25	0	20.66	20.76	20.58	22	2
5	64QAM	1	0	20.74	20.82	20.62		
5	64QAM	1	12	20.80	20.74	20.70		
5	64QAM	1	24	20.72	20.70	20.74	21	3
5	64QAM	12	0	19.93	19.73	19.64		
5	64QAM	12	7	19.80	19.71	19.75		
5	64QAM	12	13	19.87	19.92	19.78	19	5
5	64QAM	25	0	19.66	19.82	19.80		
5	256QAM	1	0	17.58	17.56	17.72		
5	256QAM	1	12	17.78	17.67	17.68	19	5
5	256QAM	1	24	17.63	17.69	17.78		
5	256QAM	12	0	17.80	17.51	17.75		
5	256QAM	12	7	17.63	17.65	17.64	19	5
5	256QAM	12	13	17.59	17.60	17.69		
5	256QAM	25	0	17.65	17.65	17.66		

Band 17 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.70	22.75	22.68	24	0
10	QPSK	1	25	22.69	22.65	22.67		
10	QPSK	1	49	22.73	22.73	22.61		
10	QPSK	25	0	21.76	21.94	21.69	23	1
10	QPSK	25	12	21.90	21.83	21.83		
10	QPSK	25	25	21.66	21.74	21.84		
10	QPSK	50	0	21.80	21.91	21.89	23	1
10	16QAM	1	0	22.19	22.16	22.10		
10	16QAM	1	25	22.00	22.20	22.15		
10	16QAM	1	49	22.18	22.11	22.33	22	2
10	16QAM	25	0	20.91	20.92	20.71		
10	16QAM	25	12	20.79	20.89	20.83		
10	16QAM	25	25	20.90	20.79	20.83	22	2
10	16QAM	50	0	20.71	20.84	20.62		
10	64QAM	1	0	20.89	20.83	20.80		
10	64QAM	1	25	20.84	20.82	20.77	22	2
10	64QAM	1	49	20.80	20.80	20.81		
10	64QAM	25	0	20.07	19.90	19.80		
10	64QAM	25	12	19.88	19.77	19.94	21	3
10	64QAM	25	25	19.98	19.93	19.89		
10	64QAM	50	0	19.83	19.97	19.95		
10	256QAM	1	0	17.76	17.54	17.74	19	5
10	256QAM	1	25	17.78	17.83	17.72		
10	256QAM	1	49	17.65	17.76	17.81		
10	256QAM	25	0	17.84	17.61	17.78	19	5

10	256QAM	25	12	17.68	17.78	17.75		
10	256QAM	25	25	17.71	17.79	17.68		
10	256QAM	50	0	17.77	17.83	17.78		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.63	22.69	22.66	24	0
5	QPSK	1	12	22.65	22.59	22.65		
5	QPSK	1	24	22.67	22.59	22.63		
5	QPSK	12	0	21.73	21.85	21.65	23	1
5	QPSK	12	7	21.75	21.63	21.61		
5	QPSK	12	13	21.89	21.67	21.67		
5	QPSK	25	0	21.61	21.84	21.79	23	1
5	16QAM	1	0	21.97	22.02	22.12		
5	16QAM	1	12	21.96	22.07	22.17		
5	16QAM	1	24	22.09	22.02	22.32	22	2
5	16QAM	12	0	20.79	20.77	20.63		
5	16QAM	12	7	20.75	20.73	20.82		
5	16QAM	12	13	20.70	20.65	20.72	22	2
5	16QAM	25	0	20.60	20.66	20.57		
5	64QAM	1	0	20.74	20.75	20.64		
5	64QAM	1	12	20.71	20.70	20.64	22	2
5	64QAM	1	24	20.66	20.66	20.76		
5	64QAM	12	0	19.89	19.85	19.77		
5	64QAM	12	7	19.77	19.75	19.88	21	3
5	64QAM	12	13	19.91	19.81	19.83		
5	64QAM	25	0	19.69	19.84	19.80		
5	256QAM	1	0	17.73	17.51	17.71	19	5
5	256QAM	1	12	17.74	17.63	17.65		
5	256QAM	1	24	17.55	17.60	17.75		
5	256QAM	12	0	17.69	17.61	17.63	19	5
5	256QAM	12	7	17.68	17.63	17.54		
5	256QAM	12	13	17.62	17.70	17.63		
5	256QAM	25	0	17.64	17.65	17.71		

Band 26 for FCC Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.84	23.04	22.89	24	0
15	QPSK	1	37	22.97	22.91	22.96		
15	QPSK	1	74	22.99	22.93	22.84		
15	QPSK	36	0	22.06	22.24	21.89	23	1
15	QPSK	36	20	22.00	22.05	21.94		
15	QPSK	36	39	22.20	22.09	21.97		
15	QPSK	75	0	22.04	22.14	21.99	23	1
15	16QAM	1	0	22.40	22.34	22.41		
15	16QAM	1	37	22.33	22.36	22.45		
15	16QAM	1	74	22.43	22.36	22.48	22	2
15	16QAM	36	0	21.23	21.14	20.95		
15	16QAM	36	20	21.04	21.09	21.12		
15	16QAM	36	39	21.09	21.05	21.07	22	2
15	16QAM	75	0	20.91	21.04	20.87		
15	64QAM	1	0	21.09	21.11	20.93	22	2

15	64QAM	1	37	21.11	21.05	21.01	21	3
15	64QAM	1	74	20.99	20.98	21.04		
15	64QAM	36	0	20.22	20.06	20.06		
15	64QAM	36	20	20.06	20.06	20.11		
15	64QAM	36	39	20.18	20.18	20.14		
15	64QAM	75	0	19.95	20.11	20.09	19	5
15	256QAM	1	0	17.94	17.76	17.98		
15	256QAM	1	37	18.02	17.99	17.96		
15	256QAM	1	74	17.82	17.84	18.08	19	5
15	256QAM	36	0	18.11	17.93	17.94		
15	256QAM	36	20	17.91	17.86	17.94		
15	256QAM	36	39	17.92	17.89	17.90		
15	256QAM	75	0	17.93	17.97	17.96		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.68	22.74	22.73	24	0
10	QPSK	1	25	22.69	22.68	22.71		
10	QPSK	1	49	22.80	22.82	22.62		
10	QPSK	25	0	21.84	21.93	21.70	23	1
10	QPSK	25	12	21.90	21.85	21.81		
10	QPSK	25	25	21.93	21.85	21.81		
10	QPSK	50	0	21.80	21.82	21.77		
10	16QAM	1	0	22.12	22.06	22.23	23	1
10	16QAM	1	25	22.09	22.23	22.18		
10	16QAM	1	49	22.11	22.15	22.36		
10	16QAM	25	0	20.93	20.80	20.73	22	2
10	16QAM	25	12	20.91	20.77	20.85		
10	16QAM	25	25	20.85	20.81	20.81		
10	16QAM	50	0	20.80	20.75	20.67		
10	64QAM	1	0	20.86	20.88	20.78	22	2
10	64QAM	1	25	20.94	20.89	20.82		
10	64QAM	1	49	20.73	20.84	20.75		
10	64QAM	25	0	20.00	19.96	19.83	21	3
10	64QAM	25	12	19.93	19.88	19.90		
10	64QAM	25	25	19.97	19.93	19.91		
10	64QAM	50	0	19.77	19.93	19.93		
10	256QAM	1	0	17.78	17.66	17.68	19	5
10	256QAM	1	25	17.80	17.78	17.73		
10	256QAM	1	49	17.71	17.72	17.88		
10	256QAM	25	0	17.83	17.70	17.84	19	5
10	256QAM	25	12	17.72	17.76	17.66		
10	256QAM	25	25	17.77	17.73	17.70		
10	256QAM	50	0	17.64	17.74	17.74		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.63	22.80	22.65	24	0
5	QPSK	1	12	22.70	22.69	22.78		
5	QPSK	1	24	22.76	22.73	22.64		
5	QPSK	12	0	21.74	21.96	21.78	23	1
5	QPSK	12	7	21.90	21.78	21.78		
5	QPSK	12	13	22.00	21.85	21.84		
5	QPSK	25	0	21.78	21.84	21.90		
5	16QAM	1	0	22.20	22.21	22.12	23	1
5	16QAM	1	12	22.08	22.21	22.14		
5	16QAM	1	24	22.18	22.22	22.35		