

Sensor off

Band	Mode	Target Power (dBm)	Tolerance (dB)
WCDMA Band II	RMC 12.2K	23.00	+/- 1dB
	RMC 64K	23.00	+/- 1dB
	RMC 144K	23.00	+/- 1dB
	RMC 384K	23.00	+/- 1dB
	HSDPA Subtest-1	22.00	+/- 1dB
	HSDPA Subtest-2	22.00	+/- 1dB
	HSDPA Subtest-3	21.50	+/- 1dB
	HSDPA Subtest-4	21.50	+/- 1dB
	HSUPA Subtest-1	22.00	+/- 1dB
	HSUPA Subtest-2	21.50	+/- 1dB
	HSUPA Subtest-3	21.00	+/- 1dB
	HSUPA Subtest-4	22.00	+/- 1dB
	HSUPA Subtest-5	22.00	+/- 1dB
	DC-HSDPA Subtest-1	22.00	+/- 1dB
	DC-HSDPA Subtest-2	22.00	+/- 1dB
	DC-HSDPA Subtest-3	21.50	+/- 1dB
DC-HSDPA Subtest-4	21.50	+/- 1dB	
WCDMA Band IV	RMC 12.2K	23.00	+/- 1dB
	RMC 64K	23.00	+/- 1dB
	RMC 144K	23.00	+/- 1dB
	RMC 384K	23.00	+/- 1dB
	HSDPA Subtest-1	22.00	+/- 1dB
	HSDPA Subtest-2	22.00	+/- 1dB
	HSDPA Subtest-3	21.50	+/- 1dB
	HSDPA Subtest-4	21.50	+/- 1dB
	HSUPA Subtest-1	22.00	+/- 1dB
	HSUPA Subtest-2	21.50	+/- 1dB
	HSUPA Subtest-3	21.00	+/- 1dB
	HSUPA Subtest-4	22.00	+/- 1dB
	HSUPA Subtest-5	22.00	+/- 1dB
	DC-HSDPA Subtest-1	22.00	+/- 1dB
	DC-HSDPA Subtest-2	22.00	+/- 1dB
	DC-HSDPA Subtest-3	21.50	+/- 1dB
DC-HSDPA Subtest-4	21.50	+/- 1dB	
WCDMA Band V	RMC 12.2K	23.00	+/- 1dB
	RMC 64K	23.00	+/- 1dB
	RMC 144K	23.00	+/- 1dB
	RMC 384K	23.00	+/- 1dB
	HSDPA Subtest-1	22.00	+/- 1dB
	HSDPA Subtest-2	22.00	+/- 1dB
	HSDPA Subtest-3	21.50	+/- 1dB
	HSDPA Subtest-4	21.50	+/- 1dB
	HSUPA Subtest-1	22.00	+/- 1dB
	HSUPA Subtest-2	21.50	+/- 1dB
	HSUPA Subtest-3	21.00	+/- 1dB
	HSUPA Subtest-4	22.00	+/- 1dB
	HSUPA Subtest-5	22.00	+/- 1dB
	DC-HSDPA Subtest-1	22.00	+/- 1dB
	DC-HSDPA Subtest-2	22.00	+/- 1dB
	DC-HSDPA Subtest-3	21.50	+/- 1dB
DC-HSDPA Subtest-4	21.50	+/- 1dB	

Band	Modulation	RB Size						Target Power (dBm)	Tolerance (dB)
		1.4M	3M	5M	10M	15M	20M		
LTE Band 2	QPSK	1	1	1	1	1	1	23.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	22.00	+/- 1dB
	16QAM	1	1	1	1	1	1	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	21.00	+/- 1dB
LTE Band 4	QPSK	1	1	1	1	1	1	23.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	22.00	+/- 1dB
	16QAM	1	1	1	1	1	1	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	21.00	+/- 1dB
LTE Band 5	QPSK	1	1	1	1	-	-	23.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	22.00	+/- 1dB
	16QAM	1	1	1	1	-	-	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	21.00	+/- 1dB
LTE Band 7	QPSK	-	-	1	1	1	1	22.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	22.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	21.00	+/- 1dB
	16QAM	-	-	1	1	1	1	21.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	21.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	20.00	+/- 1dB
LTE Band 12	QPSK	1	1	1	1	-	-	23.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	22.00	+/- 1dB
	16QAM	1	1	1	1	-	-	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	21.00	+/- 1dB
LTE Band 13	QPSK	-	-	1	1	-	-	23.00	+/- 1dB
		-	-	≤ 8	≤ 12	-	-	23.00	+/- 1dB
		-	-	> 8	> 12	-	-	22.00	+/- 1dB
	16QAM	-	-	1	1	-	-	22.00	+/- 1dB
		-	-	≤ 8	≤ 12	-	-	22.00	+/- 1dB
		-	-	> 8	> 12	-	-	21.00	+/- 1dB
LTE Band 25	QPSK	1	1	1	1	1	1	23.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	22.00	+/- 1dB
	16QAM	1	1	1	1	1	1	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	21.00	+/- 1dB
	QPSK	1	1	1	1	1	-	23.00	+/- 1dB

LTE Band 26	16QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	-	23.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	-	22.00	+/- 1dB
		1	1	1	1	1	-	22.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	-	22.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	-	21.00	+/- 1dB
LTE Band 41	QPSK	-	-	1	1	1	1	22.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	22.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	21.00	+/- 1dB
	16QAM	-	-	1	1	1	1	21.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	21.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	20.00	+/- 1dB

Sensor On

Band	Mode	Target Power (dBm)	Tolerance (dB)
WCDMA Band II	RMC 12.2K	15.00	+/- 1dB
	RMC 64K	15.00	+/- 1dB
	RMC 144K	15.00	+/- 1dB
	RMC 384K	15.00	+/- 1dB
	HSDPA Subtest-1	14.00	+/- 1dB
	HSDPA Subtest-2	14.00	+/- 1dB
	HSDPA Subtest-3	13.50	+/- 1dB
	HSDPA Subtest-4	13.50	+/- 1dB
	HSUPA Subtest-1	14.00	+/- 1dB
	HSUPA Subtest-2	13.50	+/- 1dB
	HSUPA Subtest-3	13.00	+/- 1dB
	HSUPA Subtest-4	14.00	+/- 1dB
	HSUPA Subtest-5	14.00	+/- 1dB
	DC-HSDPA Subtest-1	14.00	+/- 1dB
	DC-HSDPA Subtest-2	14.00	+/- 1dB
	DC-HSDPA Subtest-3	13.50	+/- 1dB
DC-HSDPA Subtest-4	13.50	+/- 1dB	
WCDMA Band IV	RMC 12.2K	15.00	+/- 1dB
	RMC 64K	15.00	+/- 1dB
	RMC 144K	15.00	+/- 1dB
	RMC 384K	15.00	+/- 1dB
	HSDPA Subtest-1	14.00	+/- 1dB
	HSDPA Subtest-2	14.00	+/- 1dB
	HSDPA Subtest-3	13.50	+/- 1dB
	HSDPA Subtest-4	13.50	+/- 1dB
	HSUPA Subtest-1	14.00	+/- 1dB
	HSUPA Subtest-2	13.50	+/- 1dB
	HSUPA Subtest-3	13.00	+/- 1dB
	HSUPA Subtest-4	14.00	+/- 1dB
	HSUPA Subtest-5	14.00	+/- 1dB
	DC-HSDPA Subtest-1	14.00	+/- 1dB
	DC-HSDPA Subtest-2	14.00	+/- 1dB
	DC-HSDPA Subtest-3	13.50	+/- 1dB
DC-HSDPA Subtest-4	13.50	+/- 1dB	
WCDMA Band V	RMC 12.2K	19.00	+/- 1dB
	RMC 64K	19.00	+/- 1dB
	RMC 144K	19.00	+/- 1dB
	RMC 384K	19.00	+/- 1dB
	HSDPA Subtest-1	18.00	+/- 1dB
	HSDPA Subtest-2	18.00	+/- 1dB
	HSDPA Subtest-3	17.50	+/- 1dB
	HSDPA Subtest-4	17.50	+/- 1dB
	HSUPA Subtest-1	18.00	+/- 1dB
	HSUPA Subtest-2	17.50	+/- 1dB
	HSUPA Subtest-3	17.00	+/- 1dB
	HSUPA Subtest-4	18.00	+/- 1dB
	HSUPA Subtest-5	18.00	+/- 1dB
	DC-HSDPA Subtest-1	18.00	+/- 1dB
	DC-HSDPA Subtest-2	18.00	+/- 1dB
	DC-HSDPA Subtest-3	17.50	+/- 1dB
DC-HSDPA Subtest-4	17.50	+/- 1dB	

Band	Modulation	RB Size						Target Power (dBm)	Tolerance (dB)
		1.4M	3M	5M	10M	15M	20M		
LTE Band 2	QPSK	1	1	1	1	1	1	17.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	17.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	17.00	+/- 1dB
	16QAM	1	1	1	1	1	1	17.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	17.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	17.00	+/- 1dB
LTE Band 4	QPSK	1	1	1	1	1	1	15.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	15.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	15.00	+/- 1dB
	16QAM	1	1	1	1	1	1	15.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	15.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	15.00	+/- 1dB
LTE Band 5	QPSK	1	1	1	1	-	-	19.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	19.00	+/- 1dB
	16QAM	1	1	1	1	-	-	19.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	19.00	+/- 1dB
LTE Band 7	QPSK	-	-	1	1	1	1	14.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	14.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	14.00	+/- 1dB
	16QAM	-	-	1	1	1	1	14.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	14.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	14.00	+/- 1dB
LTE Band 12	QPSK	1	1	1	1	-	-	19.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	19.00	+/- 1dB
	16QAM	1	1	1	1	-	-	19.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	-	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	-	-	19.00	+/- 1dB
LTE Band 13	QPSK	-	-	1	1	-	-	17.00	+/- 1dB
		-	-	≤ 8	≤ 12	-	-	17.00	+/- 1dB
		-	-	> 8	> 12	-	-	17.00	+/- 1dB
	16QAM	-	-	1	1	-	-	17.00	+/- 1dB
		-	-	≤ 8	≤ 12	-	-	17.00	+/- 1dB
		-	-	> 8	> 12	-	-	17.00	+/- 1dB
LTE Band 25	QPSK	1	1	1	1	1	1	17.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	17.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	17.00	+/- 1dB
	16QAM	1	1	1	1	1	1	17.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	17.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	> 18	17.00	+/- 1dB
	QPSK	1	1	1	1	1	-	19.00	+/- 1dB

LTE Band 26	16QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	-	19.00	+/- 1dB
		1	1	1	1	1	-	19.00	+/- 1dB
		≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	-	19.00	+/- 1dB
		> 5	> 4	> 8	> 12	> 16	-	19.00	+/- 1dB
LTE Band 41	QPSK	-	-	1	1	1	1	16.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	16.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	16.00	+/- 1dB
	16QAM	-	-	1	1	1	1	16.00	+/- 1dB
		-	-	≤ 8	≤ 12	≤ 16	≤ 18	16.00	+/- 1dB
		-	-	> 8	> 12	> 16	> 18	16.00	+/- 1dB

Tune Up Procedure

1. RX Gain Calibration
 - a. Put DUT in test mode
 - b. Put DUT in BCH mode
 - c. Put DUT in selected channel band
 - d. Total gain chain calibration at center ARFCN
 - e. Frequency Ripple calibration
 - f. Complete RX_AGC Gain table

2. TX Power Calibration
 - a. Put DUT in test mode
 - b. Put DUT in BCH mode
 - c. Put DUT in selected channel band
 - d. Total gain chain calibration at center ARFCN
 - e. Frequency Ripple calibration
 - f. Complete TX_APC Gain table

3. AFC calibration
 - a. Put DUT in test mode
 - b. Put DUT in selected channel mode
 - c. Calibration AFC at center ARFCN
 - d. Complete AFC result table