Attenuator
0-14dB, 2dB step

RX
LimeSDR

F1956NBGI8
HMC544A

MASW-008566
MASW-008566

HMC544A
BPF3   0 – 30 MHz   HMC544A
BPF4   50 – 70 MHz
HMC544A
BPF5   140 – 150 MHz   HMC544A
BPF6   219 – 225 MHz
BPF7   400 – 450 MHz

SKY13416
BPF8   902 – 928 MHz   SKY13415
BPF9   1.22 – 1.42 GHz
BP0805A1308ASTR
BPF10   2.3 – 2.5 GHz
DEA252400BT
BPF11   3.3 – 3.7 GHz
3600BP14M0600T

BPFs

PE4245   AM/FM Notch   PE4245

LNA Low
GALI-74+

HMC544A

SKY13414
TX/RX: 100 – 4000 MHz
TX / RX
Antenna

LNA High
TQP3M9008

Cellular RX
Bands 1,2,3,7,38
1710–2620 MHz
TQP3M9037

SKY13415

Predriver
RFGA2054

SKY13414
Bands 1, 2, 3
1805–2170 MHz
QPA9419
(TQP9421)

Cellular TX

SKY13414

QPQ1297 (TQQ6103)
1710–1785 MHz
1805–1880 MHz
GSM-1800
(DCS, Band 3)

(TQM963014)
1850–1910 MHz
1930–1990 MHz
GSM-1900
(PCS, Band 2)

QPQ1282
1920–1980 MHz
2110–2170 MHz
Band 1

TQQ6107 (QPQ1270)
2500–2570 MHz
2620–2690 MHz
Band 7

885026
2570–2620 MHz
Band 38

SKY13415

SKY13415

SKY13414
Bands 7, 38
2570–2690 MHz
QPA9426

SKYA21003   SKY13370

SKY13415

Drivers   LPFs
SKY13415   SKY13418

P1dB = 27 dBm *
D2   WB: 1 - 4 GHz
MAAM-009286
28 *
D11
MAAM-009560   3500 MHz   LPF10
35 *   DEA163800LT
D10   2400 MHz   LPF9
QPA9426   2450LP14B100T
30.5 *
RD01MUS2B
M9   D9   1280 MHz   LPF8
RD01MUS2B   RD01MUS2B   LFCN-1450+
31.5 *
M8   D8   915 MHz   LPF7
RFM04U6P
35.5 *
D7   435 MHz   LPF6
AFT09MS007NT1
28.5 *
D1   WB: 1 - 1000 MHz
RD01MUS2B
35.5 *
D6   225 MHz   LPF5
AFT09MS007NT1
37 *
D5   145 MHz   LPF4
AFT09MS007NT1
35 @ 30 MHz*   32 @ 55 MHz*
D3   31 @ 70 MHz*
RD16HHF1

Predriver
QPA6489ATR13

SKY13414

Predriver
P10   QPA6489ATR13

TX
LimeSDR
HMC544A

MASW-008566

Predrivers
P7   RD01MUS2B

P1   QPA6489ATR13
P6   RD01MUS2B
P5   RD01MUS2B
P3   RD01MUS2B

HMC544A

SKYA21003
TX: 100 – 4000 MHz
TX

Ext. PA

TX/RX: 1 – 70 MHz
TX/RX
Antenna

LPF3   30 MHz
LPF4   70 MHz

IMC03GR relay   IMC03GR relay   IMC03GR relay

* Note: Output 1 dB compression values are preliminary assesment only. Could be changed.
Given values are at the drivers' outputs. Output values will be lower.