

Plot 7-563. RSE 33.5 GHz - 33.6 GHz ( 100 MHz BW 4CC NC QPSK Mid TRP)


Plot 7-564. RSE 33 GHz - 40 GHz ( 100 MHz BW 8CC CC QPSK Mid Ant. Angle 45)

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Plot 7-565. RSE 33 GHz - 40 GHz ( 100 MHz BW 8CC CC QPSK Mid Ant. Angle 45, Final)


Plot 7-566. RSE 33 GHz - 40 GHz (100 MHz BW 8CC CC QPSK Mid Ant. Angle 135)

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Plot 7-567. RSE 33 GHz - 40 GHz (100 MHz BW 8CC CC QPSK Mid Ant. Angle 135, Final)

1st Marker Frequency: $33.510 \mathrm{GHz} \quad$ Margin: 6.05 dB


Plot 7-568. RSE $33.505 \mathrm{GHz}-33.515 \mathrm{GHz}$ ( 100 MHz BW 8CC CC QPSK Mid TRP)

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Plot 7-569. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Angle 45)


Plot 7-570. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Angle 45, Final)

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Plot 7-571. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Mid Ant. Angle 135)


Plot 7-572. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Mid Ant. Angle 135, Final)

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Plot 7-573. RSE 33.5 GHz - 33.6 GHz (50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK Mid TRP)


Plot 7-574. RSE 33 GHz - 40 GHz ( 50 MHz BW 2CC +100 MHz BW 3CC NC QPSK Mid Ant. Angle 45)

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Plot 7-575. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK Mid Ant. Angle 45, Final)


Plot 7-576. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK Mid Ant. Angle 135)

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Plot 7-577. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK Mid Ant. Angle 135, Final)

## 1st Marker Frequency: $33.555 \mathrm{GHz} \quad$ Margin: 5.18 dB



Plot 7-578. RSE $33.5 \mathrm{GHz}-33.6 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC NC QPSK Mid TRP)

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Plot 7-579. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Angle 45)


Plot 7-580. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK Mid Ant. Angle 45, Final)

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Plot 7-581. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 50 MHz BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Angle 135)


Plot 7-582. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK Mid Ant. Angle 135, Final)

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Plot 7-583. RSE $33.5 \mathrm{GHz}-33.6 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Mid TRP)


Plot 7-584. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC NC QPSK Mid Ant. Angle 45)

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Plot 7-585. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 50 MHz BW 2CC + 100 MHz BW 6CC NC QPSK Mid Ant. Angle 45, Final)


Plot 7-586. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 6CC NC QPSK Mid Ant. Angle 135)

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Plot 7-587. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 6CC NC QPSK Mid Ant. Angle 135, Final)

## 1st Marker Frequency: $33.540 \mathrm{GHz} \quad$ Margin: 8.23 dB



Plot 7-588. RSE $33.5 \mathrm{GHz}-33.6 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC NC QPSK Mid TRP)

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Plot 7-589. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 100 MHz BW 4CC CC QPSK High Ant. Angle 45)


Plot 7-590. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(100 \mathrm{MHz}$ BW 4CC CC QPSK High Ant. Angle 45, Final)

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Plot 7-591. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 100 MHz BW 4CC CC QPSK High Ant. Angle 135)


Plot 7-592. RSE 33 GHz - 40 GHz ( 100 MHz BW 4CC CC QPSK High Ant. Angle 135, Final)

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Plot 7-593. RSE 33.5 GHz - 33.6 GHz ( 100 MHz BW 4CC CC QPSK High TRP)


Plot 7-594. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 100 MHz BW 4CC NC QPSK High Ant. Angle 45)

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Plot 7-595. RSE 33 GHz - 40 GHz ( 100 MHz BW 4CC NC QPSK High Ant. Angle 45, Final)


Plot 7-596. RSE 33 GHz - 40 GHz ( 100 MHz BW 4CC NC QPSK High Ant. Angle 135)

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Plot 7-597. RSE 33 GHz - 40 GHz ( 100 MHz BW 4CC NC QPSK High Ant. Angle 135, Final)


Plot 7-598. RSE 33.5 GHz - 33.8 GHz ( 100 MHz BW 4CC NC QPSK High TRP)

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Plot 7-599. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (100 MHz BW 8CC CC QPSK High Ant. Angle 45)


Plot 7-600. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ (100 MHz BW 8CC CC QPSK High Ant. Angle 45, Final)

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Plot 7-601. RSE 33 GHz - 40 GHz ( 100 MHz BW 8CC CC QPSK High Ant. Angle 135)


Plot 7-602. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 100 MHz BW 8CC CC QPSK High Ant. Angle 135, Final)

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Plot 7-603. RSE 33.5 GHz - 33.6 GHz (100 MHz BW 8CC CC QPSK High TRP)


Plot 7-604. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK High Ant. Angle 45)

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Plot 7-605. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK
High Ant. Angle 45, Final)


Plot 7-606. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK High Ant. Angle 135)

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Plot 7-607. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK High Ant. Angle 135, Final)


Plot 7-608. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC NC QPSK High Ant. Angle 45)

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Plot 7-609. RSE 33 GHz - 40 GHz (50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK
High Ant. Angle 45, Final)


Plot 7-610. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC NC QPSK High Ant. Angle 135)

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Plot 7-611. RSE 33 GHz - 40 GHz (50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK High Ant. Angle 135, Final)

1st Marker Frequency: 33.585 GHz Margin: 5.81 dB


Plot 7-612. RSE 33.5 GHz - 33.6 GHz (50 MHz BW 2CC + 100 MHz BW 3CC NC QPSK High TRP)

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Plot 7-613. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 6CC CC QPSK High Ant. Angle 45)


Plot 7-614. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 6CC CC QPSK High Ant. Angle 45, Final)

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Plot 7-615. RSE 33 GHz - 40 GHz (50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK High Ant. Angle 135)


Plot 7-616. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 6CC CC QPSK High Ant. Angle 135, Final)

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Plot 7-617. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}$ ( 50 MHz BW 2CC + 100 MHz BW 6CC NC QPSK High Ant. Angle 45)


Plot 7-618. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 6CC NC QPSK High Ant. Angle 45, Final)

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Plot 7-619. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC NC QPSK High Ant. Angle 135)


Plot 7-620. RSE $33 \mathrm{GHz}-40 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC NC QPSK High Ant. Angle 135, Final)

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Plot 7-621. RSE $33.5 \mathrm{GHz}-33.6 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 6CC NC QPSK High TRP)

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### 7.5.6 Radiated Spurious Emissions Plots ( 40 GHz to 60 GHz )



Plot 7-622. RSE 40 GHz - 60 GHz (100 MHz BW 4CC CC QPSK Low Ant. Pol. H)


Plot 7-623. RSE 40 GHz - 60 GHz (100 MHz BW 4CC CC QPSK Low Ant. Pol. V)

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Plot 7-624. RSE 40 GHz - 60 GHz ( 100 MHz BW 8CC CC QPSK Low Ant. Pol. H)


Plot 7-625. RSE 40 GHz - 60 GHz ( 100 MHz BW 8CC CC QPSK Low Ant. Pol. V)

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Plot 7-626. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Low Ant. Pol. H)


Plot 7-627. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Low Ant. Pol. V)

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Plot 7-628. RSE 40 GHz - 60 GHz ( 50 MHz BW 2CC +100 MHz BW 6CC CC QPSK Low Ant. Pol. H)


Plot 7-629. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Low Ant. Pol. V)

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Plot 7-630. RSE 40 GHz - 60 GHz ( 100 MHz BW 4CC CC QPSK Mid Ant. Pol. H)


Plot 7-631. RSE 40 GHz - 60 GHz ( 100 MHz BW 4CC CC QPSK Mid Ant. Pol. V)

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Plot 7-632. RSE 40 GHz - 60 GHz (100 MHz BW 8CC CC QPSK Mid Ant. Pol. H)


Plot 7-633. RSE 40 GHz - 60 GHz ( 100 MHz BW 8CC CC QPSK Mid Ant. Pol. V)

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Plot 7-634. RSE 40 GHz - 60 GHz ( 50 MHz BW 2CC +100 MHz BW 3CC CC QPSK Mid Ant. Pol. H)


Plot 7-635. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Mid Ant. Pol. V)

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Plot 7-636. RSE 40 GHz - 60 GHz (50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK Mid Ant. Pol. H)


Plot 7-637. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Pol. V)

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Plot 7-638. RSE 40 GHz - 60 GHz (100 MHz BW 4CC CC QPSK High Ant. Pol. H)


Plot 7-639. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}$ ( 100 MHz BW 4CC CC QPSK High Ant. Pol. V)

| FCC ID: A3LAT1K04-B10 |  | MEASUREMENT REPORT (CERTIFICATION) | Snmsung | Approved by: <br> Quality Manager |
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Plot 7-640. RSE 40 GHz - 60 GHz (100 MHz BW 8CC CC QPSK High Ant. Pol. H)


Plot 7-641. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}$ ( 100 MHz BW 8CC CC QPSK High Ant. Pol. V)

| FCC ID: A3LAT1K04-B10 |  | MEASUREMENT REPORT (CERTIFICATION) | Snmsung | Approved by: <br> Quality Manager |
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Plot 7-642. RSE 40 GHz - 60 GHz ( 50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK
High Ant. Pol. H)


Plot 7-643. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK High Ant. Pol. V)

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Plot 7-644. RSE 40 GHz - 60 GHz ( 50 MHz BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Pol. H)


Plot 7-645. RSE $40 \mathrm{GHz}-60 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Pol. V)

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### 7.5.7 Radiated Spurious Emissions Plots ( 60 GHz to 90 GHz )



Plot 7-646. RSE 60 GHz - 90 GHz (100 MHz BW 4CC CC QPSK Low Ant. Pol. H)


Plot 7-647. RSE 60 GHz - 90 GHz (100 MHz BW 4CC CC QPSK Low Ant. Pol. V)

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Plot 7-648. RSE 60 GHz - 90 GHz ( 100 MHz BW 8CC CC QPSK Low Ant. Pol. H)


Plot 7-649. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ ( 100 MHz BW 8CC CC QPSK Low Ant. Pol. V)

| FCC ID: A3LAT1K04-B10 | 屎 PCTEST | MEASUREMENT REPORT (CERTIFICATION) | Snmsung | Approved by: <br> Quality Manager |
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Plot 7-650. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 3CC CC QPSK Low Ant. Pol. H)


Plot 7-651. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 3CC CC QPSK Low Ant. Pol. V)

| FCC ID: A3LAT1K04-B10 | 芹 PCTEST | MEASUREMENT REPORT (CERTIFICATION) | Snmsunf | Approved by: Quality Manager |
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| Test Report S/N: <br> 8K20090901-02-R2.A3L | Test Dates: <br> 09/10/2020-10/08/2020 | EUT Type: <br> 5G Access Unit |  | Page 388 of 469 |



Plot 7-652. RSE 60 GHz - 90 GHz ( 50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK Low Ant. Pol. H)


Plot 7-653. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Low Ant. Pol. V)

| FCC ID: A3LAT1K04-B10 |  | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: <br> Quality Manager |
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Plot 7-654. RSE 60 GHz - 90 GHz (100 MHz BW 4CC CC QPSK Mid Ant. Pol. H)


Plot 7-655. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ ( 100 MHz BW 4CC CC QPSK Mid Ant. Pol. V)

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| Test Report S/N: <br> 8K20090901-02-R2.A3L | Test Dates: 09/10/2020-10/08/2020 | EUT Type: <br> 5G Access Unit |  | Page 390 of 469 |



Plot 7-656. RSE 60 GHz - 90 GHz (100 MHz BW 8CC CC QPSK Mid Ant. Pol. H)


Plot 7-657. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ ( 100 MHz BW 8CC CC QPSK Mid Ant. Pol. V)

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Plot 7-658. RSE 60 GHz - 90 GHz ( 50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Pol. H)


Plot 7-659. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Pol. V)

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Plot 7-660. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Pol. V, final)


Plot 7-661. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ (50 MHz BW 2CC + 100 MHz BW 3CC CC QPSK Mid Ant. Pol. V, Final)

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Plot 7-662. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}(50 \mathrm{MHz}$ BW 2CC +100 MHz BW 6CC CC QPSK Mid Ant. Pol. H)


Plot 7-663. RSE 60 GHz - 90 GHz (50 MHz BW 2CC + 100 MHz BW 6CC CC QPSK Mid Ant. Pol. V)

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Plot 7-664. RSE $60 \mathrm{GHz}-90 \mathrm{GHz}$ (100 MHz BW 4CC CC QPSK High Ant. Pol. H)


Plot 7-665. RSE 60 GHz - 90 GHz (100 MHz BW 4CC CC QPSK High Ant. Pol. V)

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Plot 7-666. RSE 60 GHz - 90 GHz ( 100 MHz BW 8CC CC QPSK High Ant. Pol. H)


Plot 7-667. RSE 60 GHz - 90 GHz ( 100 MHz BW 8CC CC QPSK High Ant. Pol. V)

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