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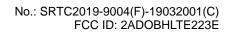
APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Main Antenna Gain= -2.4dBi

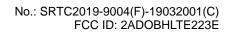
| | la Gain= -2.4dBi | | | | | Conducted |
|------------|-------------------------|------------|-----|---------|-----------|-----------|
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | 4 | | (dBm) |
| | | | | 1 | 0 | 22.41 |
| | 699.7 | 23017 | | 1 | 5 | 22.41 |
| | | | | 3 | 2 | 22.26 |
| | | | | 6 | 0 | 22.04 |
| | | | | 1 | 0 | 22.33 |
| QPSK | 707.5 | 23095 | 1.4 | 1 | 5 | 22.33 |
| | | | | 3 | 2 | 22.13 |
| | | | } | 6 | 0 | 21.98 |
| | | | | 1 | 0 | 22.42 |
| | 715.3 | 23173 | | 1 | 5 | 22.42 |
| | 7 10.0 | 20170 | | 3 | 2 | 22.18 |
| | | | | 6 | 0 | 22.03 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.35 |
| | 699.7 | 23017 | | 1 | 5 | 22.35 |
| | 033.1 | 20017 | | 3 | 2 | 21.26 |
| | | | | 6 | 0 | 21.21 |
| | | | | 1 | 0 | 22.26 |
| 16QAM | 707.5 | 23095 | 1.4 | 1 | 5 | 22.26 |
| IOQAW | 707.5 | | 1.7 | 3 | 2 | 21.16 |
| | | | | 6 | 0 | 21.01 |
| | | | | 1 | 0 | 22.38 |
| | 715.3 | 23173 | | 1 | 5 | 22.38 |
| | 715.5 | 23173 | | 3 | 2 | 21.27 |
| | | | | 6 | 0 | 21.21 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.24 |
| | 699.7 | 23017 | | 1 | 5 | 22.24 |
| | 099.7 | 23017 | | 3 | 2 | 21.23 |
| | | | | 6 | 0 | 21.16 |
| | | | | 1 | 0 | 22.25 |
| 640AM | 707.5 | 23095 | 1.4 | 1 | 5 | 22.25 |
| 64QAM | 707.5 | 23093 | 1.4 | 3 | 2 | 21.10 |
| | | | | 6 | 0 | 21.06 |
| | | | | 1 | 0 | 22.34 |
| | 715.0 | 22472 | | 1 | 5 | 22.34 |
| | 715.3 | 23173 | | 3 | 2 | 21.21 |
| | | | | 6 | 0 | 21.14 |





| | | | | | | Conducted |
|-------------|------------------------------|---------------|----------|----------|-----------|----------------|
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power (dBm) |
| | | | | 1 | 0 | 22.47 |
| | | | | 1 | 14 | 22.47 |
| | 700.5 | 23025 | | 8 | 4 | 22.47 |
| | | | | 15 | 0 | 22.32 |
| | | | | 1 | 0 | 22.10 |
| | | | | 1 | 14 | 22.39 |
| QPSK | 707.5 | 23095 | 3 | 8 | 4 | 22.19 |
| | | | | 15 | 0 | 22.04 |
| | | | | 1 | 0 | 22.46 |
| | | | | 1 | 14 | 22.46 |
| | 714.5 | 23165 | | 8 | 4 | 22.22 |
| | | | | 15 | 0 | 22.07 |
| | | | | 10 | Ů | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| modulation | Garrier requeries (i.i. i.2) | 02 0110111101 | | 112 0.20 | | (dBm) |
| | | | | 1 | 0 | 22.41 |
| | | | | 1 | 14 | 22.41 |
| | 700.5 | 23025 | | 8 | 4 | 21.32 |
| | | | | 15 | 0 | 21.27 |
| | | | } | 1 | 0 | 22.32 |
| 400 414 | 707.5 | 22225 | 3 | 1 | 14 | 22.32 |
| 16QAM | 707.5 | 23095 | | 8 | 4 | 21.22 |
| | | | | 15 | 0 | 21.07 |
| | | | | 1 | 0 | 22.42 |
| | 7445 | 00465 | | 1 | 14 | 22.42 |
| | 714.5 | 23165 | | 8 | 4 | 21.31 |
| | | | | 15 | 0 | 21.25 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.30 |
| | 700.5 | 23025 | | 1 | 14 | 22.30 |
| | 700.5 | 23023 | | 8 | 4 | 21.29 |
| | | | | 15 | 0 | 21.22 |
| | | | | 1 | 0 | 22.31 |
| 64QAM | 707.5 | 23095 | 3 | 1 | 14 | 22.31 |
| 0 1 G/ (IVI | 707.0 | 20000 | | 8 | 4 | 21.16 |
| | | | | 15 | 0 | 21.12 |
| | | | | 1 | 0 | 22.38 |
| | 714.5 | 23165 | | 1 | 14 | 22.38 |
| | /14.5 | | | 8 | 4 | 21.25 |
| | | | | 15 | 0 | 21.18 |

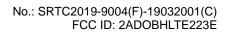
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| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted |
|------------|-------------------------|------------|----|---------|-----------|-----------|
| | | | | 4 | | (dBm) |
| | | | | 1 | 0 | 22.50 |
| | 701.5 | 23035 | | 1 | 24 | 22.50 |
| | | | | 12 | 6 | 22.35 |
| | | | | 25 | 0 | 22.13 |
| | | | | 1 | 0 | 22.42 |
| QPSK | 707.5 | 23095 | 5 | 1 | 24 | 22.42 |
| | | | | 12 | 6 | 22.22 |
| | | | | 25 | 0 | 22.07 |
| | | | | 1 | 0 | 22.48 |
| | 713.5 | 23155 | | 1 | 24 | 22.48 |
| | | | | 12 | 6 | 22.24 |
| | | | | 25 | 0 | 22.09 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | _ | (dBm) |
| | | | | 1 | 0 | 22.44 |
| | 701.5 | 23035 | | 1 | 24 | 22.44 |
| | 701.0 | 20000 | | 12 | 6 | 21.35 |
| | | | ļ | 25 | 0 | 21.30 |
| | | | 5 | 1 | 0 | 22.35 |
| 16QAM | 707.5 | 23095 | | 1 | 24 | 22.35 |
| 10071111 | 707.0 | | | 12 | 6 | 21.25 |
| | | | | 25 | 0 | 21.10 |
| | | | | 1 | 0 | 22.44 |
| | 713.5 | 23155 | | 1 | 24 | 22.44 |
| | 7 10.0 | 20100 | | 12 | 6 | 21.33 |
| | | | | 25 | 0 | 21.27 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.33 |
| | 701.5 | 23035 | | 1 | 24 | 22.33 |
| | 701.0 | 20000 | | 12 | 6 | 21.32 |
| | | | | 25 | 0 | 21.25 |
| | | | | 1 | 0 | 22.34 |
| 640AM | 707.5 | 23095 | 5 | 1 | 24 | 22.34 |
| 64QAM | 707.0 | 20000 | | 12 | 6 | 21.19 |
| | | | | 25 | 0 | 21.15 |
| | | | | 1 | 0 | 22.40 |
| | 713.5 | 23155 | | 1 | 24 | 22.40 |
| | 713.5 | | | 12 | 6 | 21.27 |
| | | | | 25 | 0 | 21.20 |

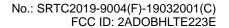
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| | | | | | | Conducted |
|------------|-------------------------|------------|----------|---------|-----------|----------------|
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power (dBm) |
| | | | | 1 | 0 | 22.62 |
| | | | | 1 | 49 | 22.62 |
| | 704 | 23060 | | 24 | 12 | 22.47 |
| | | | | 50 | 0 | 22.25 |
| | | | } | 1 | 0 | 22.56 |
| | | | | 1 | 49 | 22.56 |
| QPSK | 707.5 | 23095 | 10 | 24 | 12 | 22.36 |
| | | | | 50 | 0 | 22.21 |
| | | | } | 1 | 0 | 22.59 |
| | | | | 1 | 49 | 22.59 |
| | 711 | 23130 | | 24 | 12 | 22.35 |
| | | | | 50 | 0 | 22.20 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.56 |
| | 70.4 | | | 1 | 49 | 22.56 |
| | 704 | 23060 | | 24 | 12 | 21.47 |
| | | | | 50 | 0 | 21.42 |
| | | | 10 | 1 | 0 | 22.49 |
| 400 414 | 707.5 | 00005 | | 1 | 49 | 22.49 |
| 16QAM | 707.5 | 23095 | | 24 | 12 | 21.39 |
| | | | | 50 | 0 | 21.24 |
| | | | | 1 | 0 | 22.55 |
| | 744 | 22420 | | 1 | 49 | 22.55 |
| | 711 | 23130 | | 24 | 12 | 21.44 |
| | | | | 50 | 0 | 21.38 |
| | | | | | | Conducted |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | power |
| | | | | | | (dBm) |
| | | | | 1 | 0 | 22.45 |
| | 704 | 23060 | | 1 | 49 | 22.45 |
| | 704 | 23000 | | 24 | 12 | 21.44 |
| | | | | 50 | 0 | 21.37 |
| | | | | 1 | 0 | 22.48 |
| 640414 | 707.5 | 23095 | 10 | 1 | 49 | 22.48 |
| 64QAM | 707.5 | 23093 | 10 | 24 | 12 | 21.33 |
| | | | | 50 | 0 | 21.29 |
| | | | \dashv | 1 | 0 | 22.51 |
| | 744 | 22420 | | 1 | 49 | 22.51 |
| | 711 | 23130 | | 24 | 12 | 21.38 |
| | | | | 50 | 0 | 21.31 |

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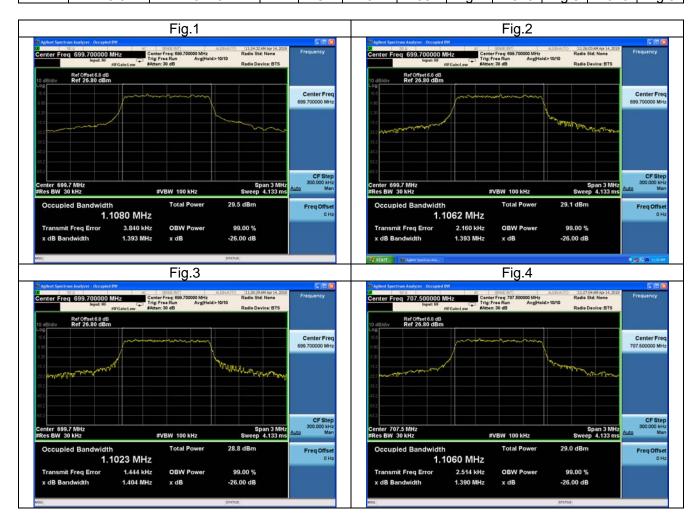


2 Occupied Bandwidth

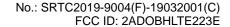
Test result

| Band | Carrier | Channel(Low) | BW | RB | RB | I | Bandwi | dth of 99% | % Powe | er (MHz) | |
|------|--------------------|--------------|-----|------|--------|--------------|--------|------------|--------|----------|-------|
| Danu | frequency (MHz) | Channel(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAN | |
| 12 | 699.7 | 23017 | 1.4 | 6 | 0 | 1.1080 | Fig.1 | 1.1062 | Fig.2 | 1.1023 | Fig.3 |
| 12 | 707.5 | 23095 | 1.4 | 6 | 0 | 1.1060 Fig.4 | | 1.1062 | Fig.5 | 1.0985 | Fig.6 |
| 12 | 715.3 | 23173 | 1.4 | 6 | 0 | 1.1029 Fig.7 | | 1.1068 | Fig.8 | 1.1057 | Fig.9 |

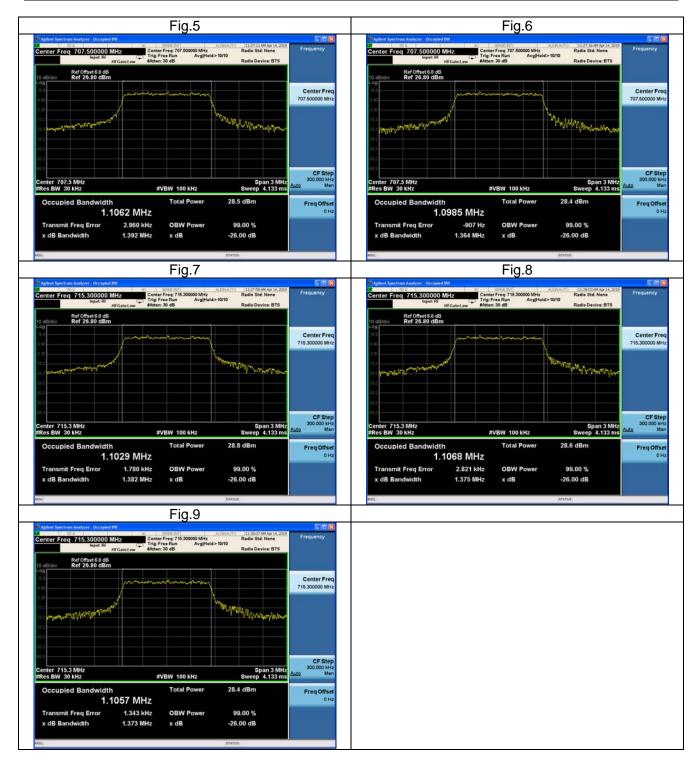
| Band | Carrier | Channel(Low) | BW | RB | RB | Bar | ndwidth | of -26dE (MF | | nitter pov | wer |
|------|--------------------|--------------|-----|------|--------|-------|---------|-----------------|-------|------------|-------|
| Danu | frequency (MHz) | Chamlei(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 699.7 | 23017 | 1.4 | 6 | 0 | 1.393 | Fig.1 | 1.393 | Fig.2 | 1.404 | Fig.3 |
| 12 | 707.5 | 23095 | 1.4 | 6 | 0 | 1.390 | Fig.4 | 1.392 | Fig.5 | 1.364 | Fig.6 |
| 12 | 715.3 | 23173 | 1.4 | 6 | 0 | 1.382 | Fig.7 | 1.375 | Fig.8 | 1.373 | Fig.9 |



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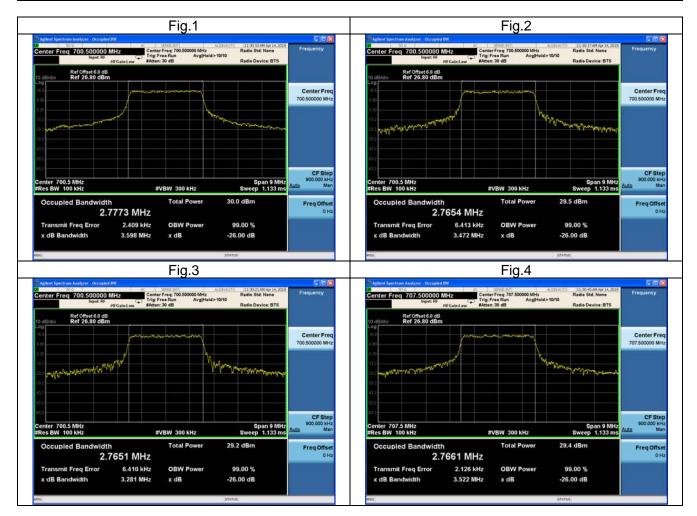






| Band | Carrier | Channel(Low) | BW | RB | RB | Bandwidth of 99% Power (MHz) | | | | | |
|------|--------------------|--------------|-----|------|--------|------------------------------|-------|--------|-------|--------|-------|
| Danu | frequency (MHz) | Charmer(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 700.5 | 23025 | 3 | 15 | 0 | 2.7773 | Fig.1 | 2.7654 | Fig.2 | 2.7651 | Fig.3 |
| 12 | 707.5 | 23095 | 3 | 15 | 0 | 2.7661 | Fig.4 | 2.7689 | Fig.5 | 2.7704 | Fig.6 |
| 12 | 714.5 | 23165 | 3 | 15 | 0 | 2.7838 Fig.7 | | 2.7790 | Fig.8 | 2.7750 | Fig.9 |

| Bond | Carrier | Channel(Low) | BW | RB | RB | Bar | dwidth | of -26dE (MF | | nitter po | wer |
|------|--------------------|--------------|-----|------|--------|------------------------|--------|-----------------|-------|-----------|-------|
| Band | frequency (MHz) | Channel(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 700.5 | 23025 | 3 | 15 | 0 | 3.598 | Fig.1 | 3.472 | Fig.2 | 3.281 | Fig.3 |
| 12 | 707.5 | 23095 | 3 | 15 | 0 | 3.522 | Fig.4 | 3.543 | Fig.5 | 3.467 | Fig.6 |
| 12 | 714.5 | 23165 | 3 | 15 | 0 | 3.673 Fig.7 3.590 Fig. | | | Fig.8 | 3.469 | Fig.9 |



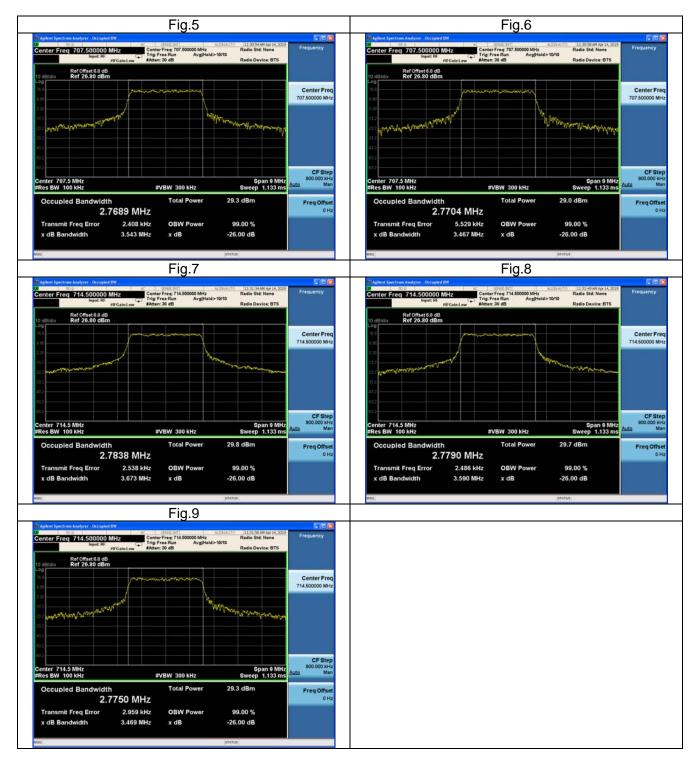
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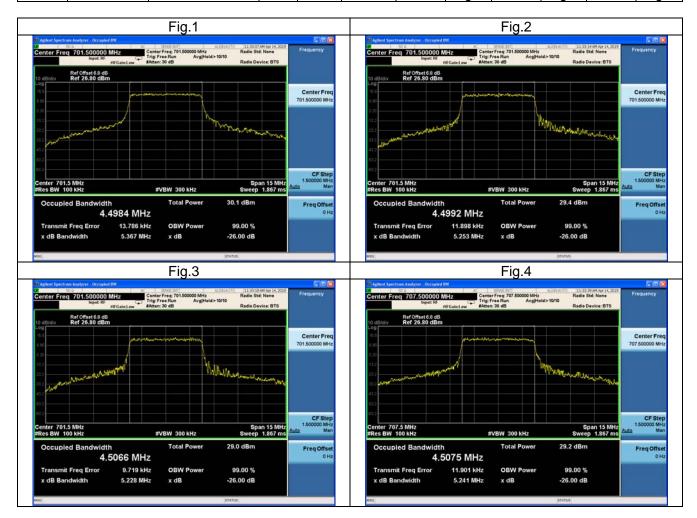






| Band | Carrier | Channel(Low) | D// | BW RB | | Bandwidth of 99% Power (MHz) | | | | | |
|------|--------------------|--------------|-----|-------|--------|------------------------------|-------|--------|-------|--------|-------|
| Danu | frequency (MHz) | Charmer(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 701.5 | 23035 | 5 | 25 | 0 | 4.4984 | Fig.1 | 4.4992 | Fig.2 | 4.5066 | Fig.3 |
| 12 | 707.5 | 23095 | 5 | 25 | 0 | 4.5075 | Fig.4 | 4.5022 | Fig.5 | 4.4992 | Fig.6 |
| 12 | 713.5 | 23155 | 5 | 25 | 0 | 4.4998 | Fig.7 | 4.5085 | Fig.8 | 4.4913 | Fig.9 |

| Dond | Carrier Band frequency | Channel(Low) | BW | RB | RB | Bar | ndwidth | of -26dE (Mł | | nitter po | wer |
|------|---------------------------|--------------|-----|------|--------|-------------|---------|-----------------|-------|-----------|-------|
| Danu | (MHz) | Channel(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 701.5 | 23035 | 5 | 25 | 0 | 5.367 | Fig.1 | 5.253 | Fig.2 | 5.228 | Fig.3 |
| 12 | 707.5 | 23095 | 5 | 25 | 0 | 5.241 | Fig.4 | 5.329 | Fig.5 | 5.304 | Fig.6 |
| 12 | 713.5 | 23155 | 5 | 25 | 0 | 5.366 Fig.7 | | 5.172 | Fig.8 | 5.423 | Fig.9 |



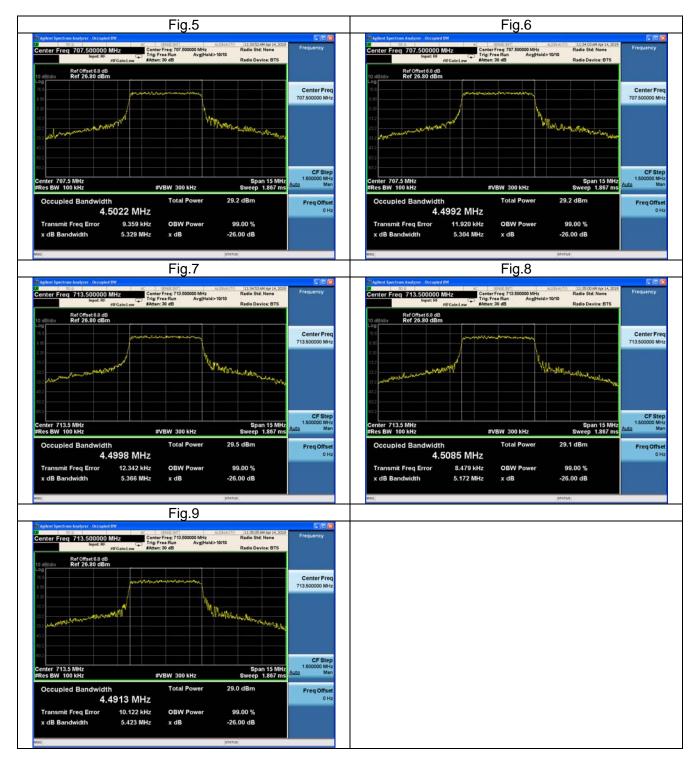
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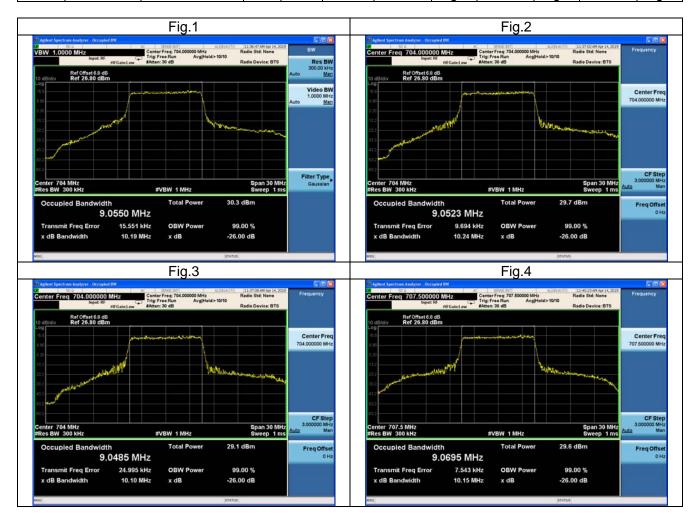






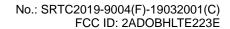
| Band | Carrier | Channel(Low) | D// | BW RB I | | Bandwidth of 99% Power (MHz) | | | | | |
|------|--------------------|--------------|-----|---------|--------|------------------------------|-------|--------|-------|--------|-------|
| Danu | frequency (MHz) | Charmer(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | |
| 12 | 704 | 23060 | 10 | 50 | 0 | 9.0550 | Fig.1 | 9.0523 | Fig.2 | 9.0485 | Fig.3 |
| 12 | 707.5 | 23095 | 10 | 50 | 0 | 9.0695 | Fig.4 | 9.0565 | Fig.5 | 9.0742 | Fig.6 |
| 12 | 711 | 23130 | 10 | 50 | 0 | 9.0631 | Fig.7 | 9.0532 | Fig.8 | 9.0605 | Fig.9 |

| Dand | Carrier | Channel/Low | BW | RB | RB | Bandwidth of -26dB transmitter power (MH | | | | | | |
|------|--------------------|--------------|-----|------|--------|--|-------|--------|-------|--------|-------|--|
| Band | frequency (MHz) | Channel(Low) | DVV | Size | Offset | QPSK | | 16-QAM | | 64-QAM | | |
| 12 | 704 | 23060 | 10 | 50 | 0 | 10.190 | Fig.1 | 10.240 | Fig.2 | 10.100 | Fig.3 | |
| 12 | 707.5 | 23095 | 10 | 50 | 0 | 10.150 | Fig.4 | 10.270 | Fig.5 | 9.978 | Fig.6 | |
| 12 | 711 | 23130 | 10 | 50 | 0 | 10.180 | Fig.7 | 10.170 | Fig.8 | 10.070 | Fig.9 | |



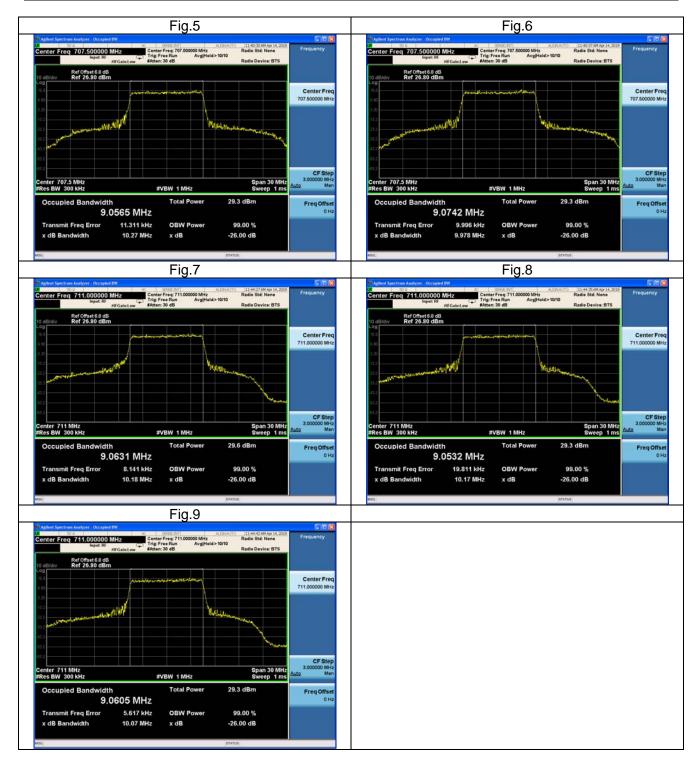
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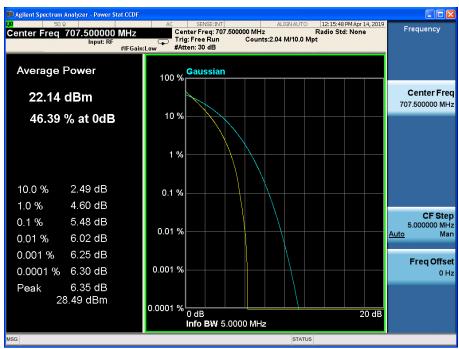






3 Peak-Average Ratio

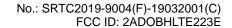
Test result:



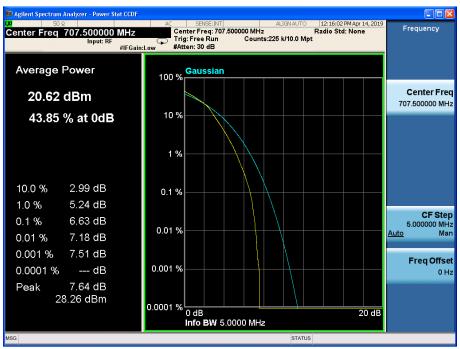
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 12-mid Channel)



Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 12-mid Channel)







Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 12-mid Channel)



Peak-Average Ratio Plot(3MHz BW,QPSK,Band 12-mid Channel)



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Peak-Average Ratio Plot(3MHz BW,16QAM,Band 12-mid Channel)



Peak-Average Ratio Plot(3MHz BW,64QAM,Band 12-mid Channel)



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Peak-Average Ratio Plot(5MHz BW,QPSK,Band 12-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 12-mid Channel)



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Peak-Average Ratio Plot(5MHz BW,64QAM,Band 12-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 12-mid Channel)

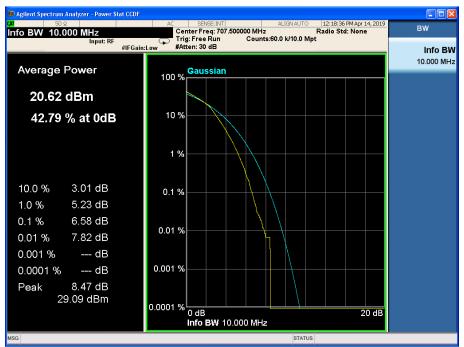


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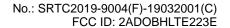




Peak-Average Ratio Plot(10MHz BW,16QAM,Band 12-mid Channel)



Peak-Average Ratio Plot(10MHz BW,64QAM,Band 12-mid Channel)





4 Spurious Emissions at antenna terminal

Test result

| | Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Conducted Spurious Plot QPSK |
|---|------|-------------------------------|--------------|----|------------|--------------|------------------------------------|
| Ī | 12 | 704 | 23060 | 10 | 1 | 0 | Fig.1 |



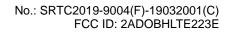
Fig.1

| Band | Carrier frequency (MHz) | Channel(Mid) | BW | RB Size | RB Offset | Conducted Spurious Plot QPSK |
|------|-------------------------------|--------------|----|------------|--------------|------------------------------------|
| 12 | 707.5 | 23095 | 10 | 1 | 0 | Fig.1 |



Fig.1

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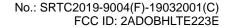
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| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB | Conducted Spurious Plot | | |
|------|-------------------------------|-------------------|----|------------|--------|-------------------------|--------|--|
| Danu | | | | | Offset | QPSK | 16-QAM | |
| 12 | 711 | 23130 | 10 | 1 | 0 | Fig.1 | Fig.8 | |



Fig.1



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5 Band Edges Compliance

Test result

| | Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band EdgesPlot | |
|---|------|-------------------------------|---------------|-----|------------|--------------|----------------|--|
| | Danu | | | | | | QPSK | |
| Ī | 10 | 600.7 | 23017 | 1.4 | 1 | 0 | Fig.1 | |
| | 12 | 699.7 | 23017 | | 6 | 0 | Fig.4 | |

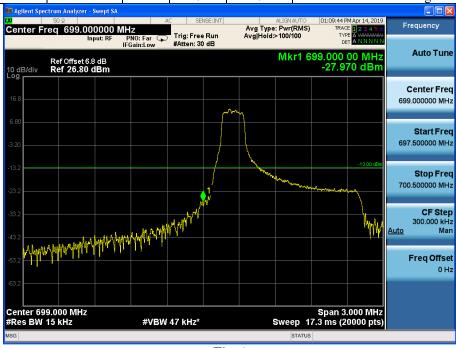
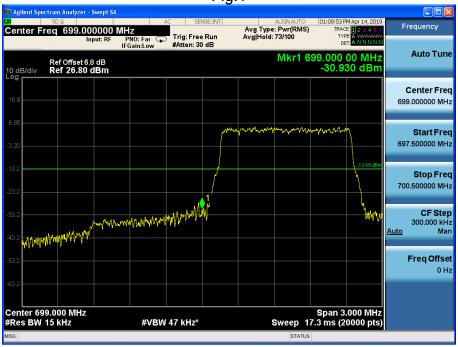
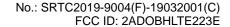


Fig.1





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| | Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band EdgesPlot | |
|---|------|-------------------------------|-------------------|-----|------------|--------------|----------------|--|
| | Danu | | | | | | QPSK | |
| ĺ | 12 | 715.2 | 22172 | 1.4 | 1 | 5 | Fig.1 | |
| | 12 | 715.3 | 23173 | 1.4 | 6 | 0 | Fig.4 | |

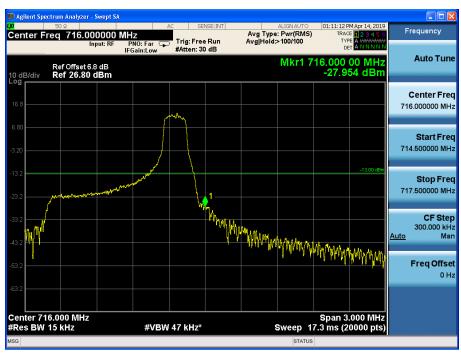
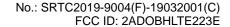




Fig.4





| Band | Carrier frequency | Channel (Low) | BW | RB Size | RB Offset | Band EdgesPlot | |
|------|-------------------|---------------|----|------------|--------------|----------------|--|
| Danu | (MHz) | | | | | QPSK | |
| 12 | 700.5 | 23025 | 3 | 1 | 0 | Fig.1 | |
| 12 | 700.5 | | | 15 | 0 | Fig.4 | |

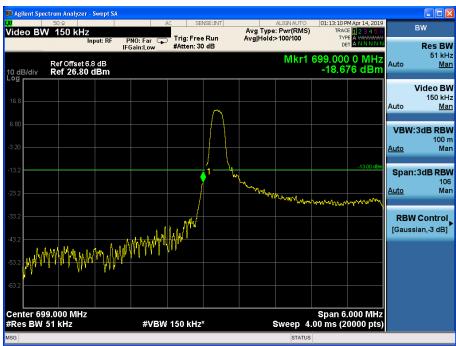


Fig.1

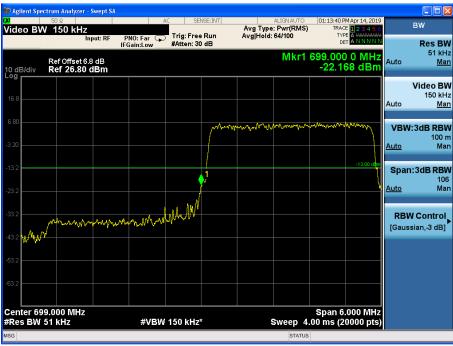
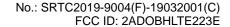


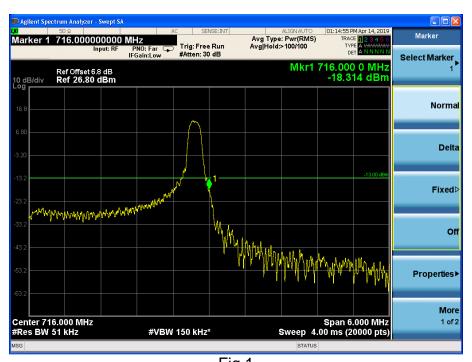
Fig.4

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| Band | Carrier frequency | Channel (High) | BW | RB Size | RB Offset | Band EdgesPlot | |
|------|-------------------|-------------------|----|------------|--------------|----------------|--|
| Danu | (MHz) | | | | | QPSK | |
| 12 | 714.5 | 23165 | 3 | 1 | 14 | Fig.1 | |
| 12 | | | | 15 | 0 | Fig.4 | |



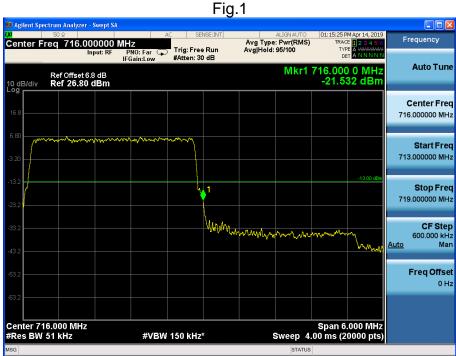
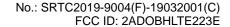


Fig.4

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| Band | Carrier | Channel (Low) | BW | RB Size | RB Offset | Band EdgesPlot |
|-------|--------------------|---------------|----|------------|--------------|----------------|
| Dallu | frequency (MHz) | | | | | QPSK |
| 12 | 701.5 | 22025 | _ | 1 | 0 | Fig.1 |
| 12 | 701.5 | 23035 | 3 | 25 | 0 | Fig.4 |

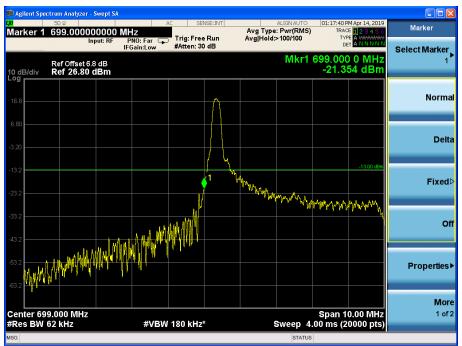
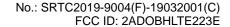


Fig.1



Fig.4



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| | Band | Carrier frequency | Channel | IRWI | RB | Band EdgesPlot | |
|---|-------|-------------------|---------|------|------|----------------|-------|
| | Dariu | (MHz) | (High) | | Size | Offset | QPSK |
| ĺ | 12 | 712.5 | 22155 | 5 | 1 | 24 | Fig.1 |
| | 12 | 713.5 | 23155 | | 25 | 0 | Fig.4 |

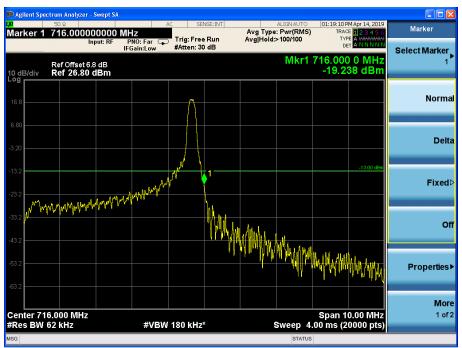
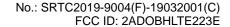


Fig.1



Fig.4



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| | Band | Carrier frequency | Channel | I BW/ | RB | Band EdgesPlot | |
|---|-------|-------------------|---------|-------|------|----------------|-------|
| | Dariu | (MHz) | (Low) | | Size | Offset | QPSK |
| ĺ | 12 | 704 | 22060 | 10 | 1 | 0 | Fig.1 |
| | 12 | 704 | 23060 | | 50 | 0 | Fig.4 |

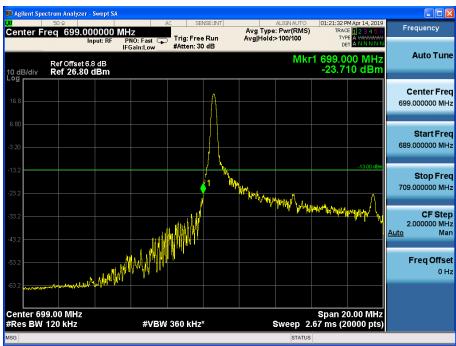
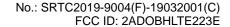


Fig.1



Fig.4



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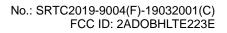
| Band | Carrier frequency | Channel | I BW/ | RB | Band EdgesPlot | |
|------|-------------------|---------|-------|------|----------------|-------|
| Danu | (MHz) | (High) | | Size | Offset | QPSK |
| 12 | 711 | 23130 | 10 | 1 | 49 | Fig.1 |
| 12 | | | | 50 | 0 | Fig.4 |



Fig.1



Fig.4



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6 Frequency Stability

Test result:

| Tomporoturo(°C) | Voltage | Test Result (ppm) Band12 Low Channel | | | | | | | |
|-----------------|---------|--------------------------------------|--------|--------|--------|--|--|--|--|
| Temperature(°C) | Voltage | 1.4M | 3M | 5M | 10M | | | | |
| 0 | NV | -0.008 | -0.025 | -0.011 | -0.019 | | | | |
| +10 | NV | 0.018 | 0.013 | 0.011 | 0.006 | | | | |
| +20 | NV | 0.010 | -0.011 | 0.007 | 0.008 | | | | |
| +30 | NV | -0.022 | -0.001 | -0.014 | 0.004 | | | | |
| +40 | NV | 0.003 | 0.012 | -0.013 | -0.007 | | | | |
| +50 | NV | -0.024 | -0.006 | -0.010 | -0.004 | | | | |
| +55 | NV | 0.000 | 0.012 | -0.014 | -0.010 | | | | |
| +20 | LV | -0.017 | -0.007 | -0.010 | -0.012 | | | | |
| +20 | HV | -0.011 | 0.001 | 0.010 | 0.004 | | | | |

| Temperature(°C) | Voltage | Test Result (ppm) Band12 High Channel | | | |
|-----------------|---------|---------------------------------------|--------|--------|--------|
| | | 1.4M | 3M | 5M | 10M |
| 0 | NV | -0.011 | 0.012 | 0.005 | 0.014 |
| +10 | NV | 0.005 | 0.003 | 0.009 | 0.003 |
| +20 | NV | 0.012 | 0.006 | 0.013 | -0.004 |
| +30 | NV | -0.010 | -0.005 | 0.013 | -0.007 |
| +40 | NV | 0.011 | -0.014 | 0.007 | 0.010 |
| +50 | NV | 0.003 | -0.003 | -0.010 | 0.000 |
| +55 | NV | -0.018 | -0.007 | -0.005 | 0.000 |
| +20 | LV | -0.012 | -0.005 | -0.006 | -0.006 |
| +20 | HV | -0.014 | -0.002 | -0.009 | -0.001 |