

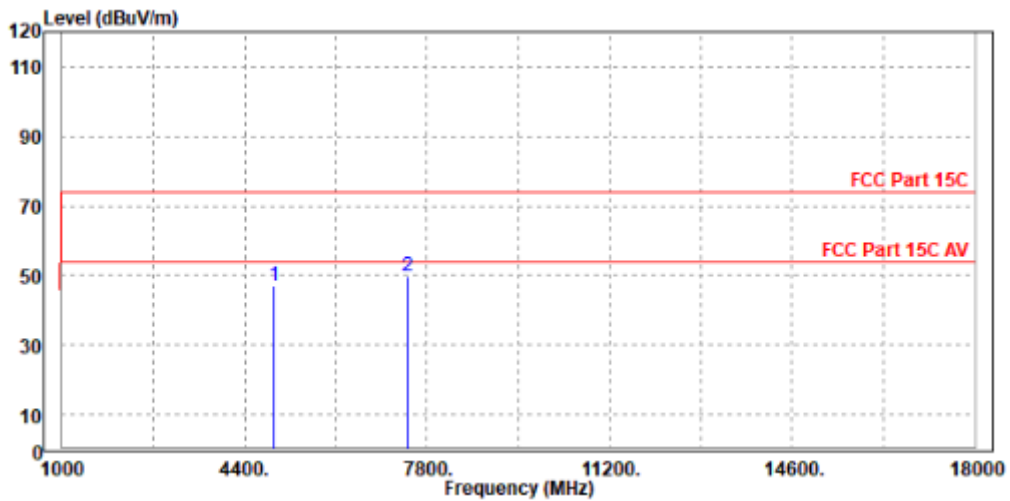


Worst case harmonic:

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 39 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

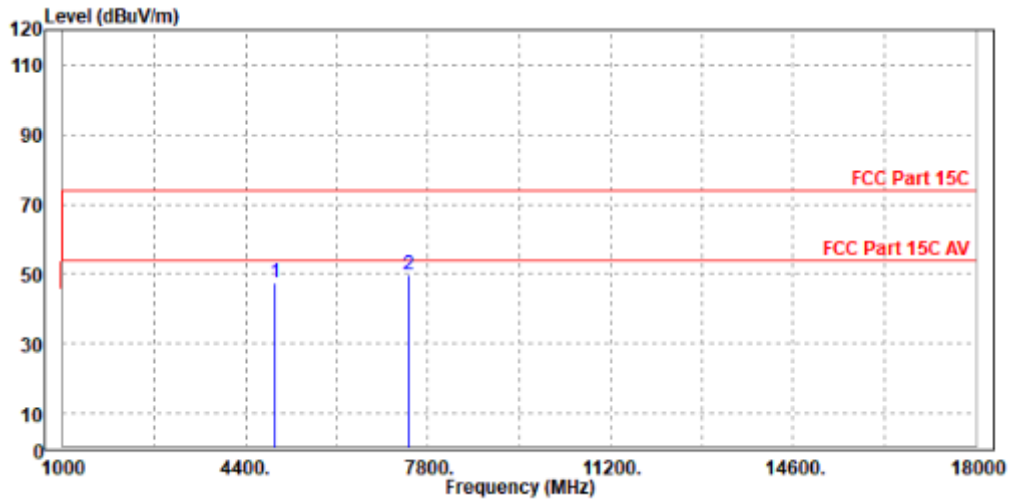
| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4961.000 | 47.21 | 48.40 | 74.00 | -26.79 | -1.19 | Peak | Horizontal |
| 2 PP | 7440.000 | 49.68 | 47.70 | 74.00 | -24.32 | 1.98 | Peak | Horizontal |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4960.000 | 47.52 | 48.51 | 74.00 | -26.48 | -0.99 | Peak | Vertical |
| 2 | PP 7443.000 | 49.79 | 47.79 | 74.00 | -24.21 | 2.00 | Peak | Vertical |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet



BT-LE_S2

| | | | |
|-----------------|--------------|----------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 50.38 | 58.42 | 74 | -23.62 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 41.48 | 49.52 | 54 | -12.52 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2402 | 94.02 | 102.01 | / | / | 31.79 | 6.19 | 45.97 | 140 | 200 | Peak |
| 2402 | 93.57 | 101.56 | / | / | 31.79 | 6.19 | 45.97 | 140 | 200 | Average |
| 2483.5 | 51.75 | 59.32 | 74 | -22.25 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 41.81 | 49.38 | 54 | -12.19 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
|---|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 50.91 | 58.56 | 74 | -23.09 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 42.01 | 49.66 | 54 | -11.99 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2402 | 91.96 | 99.58 | / | / | 32.16 | 6.19 | 45.97 | 100 | 150 | Peak |
| 2402 | 90.19 | 97.81 | / | / | 32.16 | 6.19 | 45.97 | 100 | 150 | Average |
| 2483.5 | 50.46 | 57.72 | 74 | -23.54 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 41.5 | 48.76 | 54 | -12.5 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 2402MHz: Fundamental frequency.



| | | | |
|-----------------|---------------|-------------------|--------------|
| CHANNEL | TX Channel 19 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------|-------------------|----------------|-------------|------------------------|-----------------|--------------------|---------------------|----------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.5 | 57.54 | 74 | -24.5 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 41.07 | 49.11 | 54 | -12.93 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2440 | 97.03 | 104.82 | / | / | 31.91 | 6.25 | 45.95 | 140 | 200 | Peak |
| 2440 | 96.74 | 104.53 | / | / | 31.91 | 6.25 | 45.95 | 140 | 200 | Average |
| 2483.5 | 49.79 | 57.36 | 74 | -24.21 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 41.81 | 49.38 | 54 | -12.19 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.68 | 57.33 | 74 | -24.32 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 42.36 | 50.01 | 54 | -11.64 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2440 | 93.29 | 100.73 | / | / | 32.26 | 6.25 | 45.95 | 100 | 150 | Peak |
| 2440 | 93.17 | 100.61 | / | / | 32.26 | 6.25 | 45.95 | 100 | 150 | Average |
| 2483.5 | 50.67 | 57.93 | 74 | -23.33 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 41.95 | 49.21 | 54 | -12.05 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 2440MHz: Fundamental frequency.



| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 39 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.2 | 57.24 | 74 | -24.8 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 41.27 | 49.31 | 54 | -12.73 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2480 | 97.52 | 105.11 | / | / | 32.04 | 6.3 | 45.93 | 140 | 200 | Peak |
| 2480 | 96.42 | 104.01 | / | / | 32.04 | 6.3 | 45.93 | 140 | 200 | Average |
| 2483.5 | 49.57 | 57.14 | 74 | -24.43 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 42.51 | 50.08 | 54 | -11.49 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.97 | 57.62 | 74 | -24.03 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 40.92 | 48.57 | 54 | -13.08 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2480 | 93.83 | 101.11 | / | / | 32.35 | 6.3 | 45.93 | 100 | 150 | Peak |
| 2480 | 93.6 | 100.88 | / | / | 32.35 | 6.3 | 45.93 | 100 | 150 | Average |
| 2483.5 | 51.03 | 58.29 | 74 | -22.97 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 42.77 | 50.03 | 54 | -11.23 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 2480MHz: Fundamental frequency.



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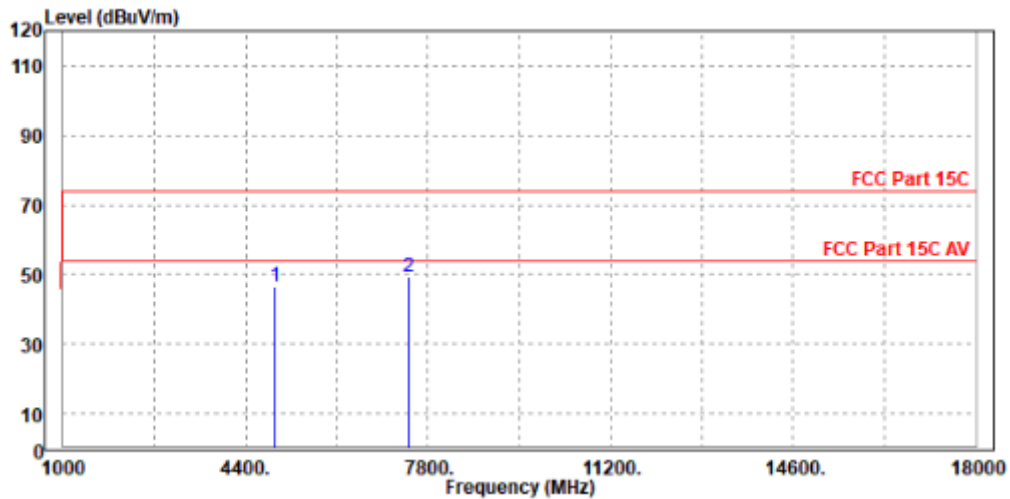
Test Report No.: W7L-P23030005RF02

Worst case harmonic:

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 39 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

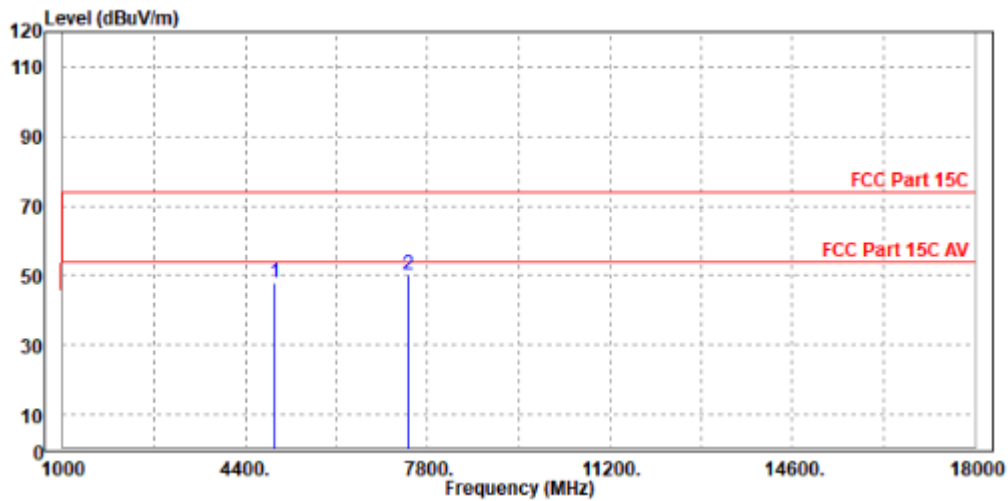
| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4960.000 | 46.60 | 47.79 | 74.00 | -27.40 | -1.19 | Peak | Horizontal |
| 2 PP | 7443.000 | 49.40 | 47.42 | 74.00 | -24.60 | 1.98 | Peak | Horizontal |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4961.000 | 47.74 | 48.73 | 74.00 | -26.26 | -0.99 | Peak | Vertical |
| 2 PP | 7440.000 | 50.39 | 48.38 | 74.00 | -23.61 | 2.01 | Peak | Vertical |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet



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Test Report No.: W7L-P23030005RF02

BT-LE _S8

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.22 | 57.26 | 74 | -24.78 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 41.08 | 49.12 | 54 | -12.92 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2402 | 93.98 | 101.97 | / | / | 31.79 | 6.19 | 45.97 | 140 | 200 | Peak |
| 2402 | 93.65 | 101.64 | / | / | 31.79 | 6.19 | 45.97 | 140 | 200 | Average |
| 2483.5 | 50.4 | 57.97 | 74 | -23.6 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 42.14 | 49.71 | 54 | -11.86 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 51.15 | 58.8 | 74 | -22.85 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 41.61 | 49.26 | 54 | -12.39 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2402 | 90.53 | 98.15 | / | / | 32.16 | 6.19 | 45.97 | 100 | 150 | Peak |
| 2402 | 89.69 | 97.31 | / | / | 32.16 | 6.19 | 45.97 | 100 | 150 | Average |
| 2483.5 | 51.23 | 58.49 | 74 | -22.77 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 41.85 | 49.11 | 54 | -12.15 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 2402MHz: Fundamental frequency.



| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 19 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 50.11 | 58.15 | 74 | -23.89 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 41.34 | 49.38 | 54 | -12.66 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2440 | 97.07 | 104.86 | / | / | 31.91 | 6.25 | 45.95 | 140 | 200 | Peak |
| 2440 | 96.19 | 103.98 | / | / | 31.91 | 6.25 | 45.95 | 140 | 200 | Average |
| 2483.5 | 51.2 | 58.77 | 74 | -22.8 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 41.91 | 49.48 | 54 | -12.09 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.7 | 57.35 | 74 | -24.3 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 41.2 | 48.85 | 54 | -12.8 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2440 | 92.88 | 100.32 | / | / | 32.26 | 6.25 | 45.95 | 100 | 150 | Peak |
| 2440 | 92.69 | 100.13 | / | / | 32.26 | 6.25 | 45.95 | 100 | 150 | Average |
| 2483.5 | 51.39 | 58.65 | 74 | -22.61 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 41.8 | 49.06 | 54 | -12.2 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.



| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 39 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|-------------------------|-------------------|----------------|-------------|------------------------|-----------------|--------------------|---------------------|----------------------|---------|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.32 | 57.36 | 74 | -24.68 | 31.75 | 6.18 | 45.97 | 140 | 200 | Peak |
| 2390 | 40.97 | 49.01 | 54 | -13.03 | 31.75 | 6.18 | 45.97 | 140 | 200 | Average |
| 2480 | 96.16 | 103.75 | / | / | 32.04 | 6.3 | 45.93 | 140 | 200 | Peak |
| 2480 | 94.7 | 102.29 | / | / | 32.04 | 6.3 | 45.93 | 140 | 200 | Average |
| 2483.5 | 51.39 | 58.96 | 74 | -22.61 | 32.05 | 6.31 | 45.93 | 140 | 200 | Peak |
| 2483.5 | 43.03 | 50.6 | 54 | -10.97 | 32.05 | 6.31 | 45.93 | 140 | 200 | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB /m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 2390 | 49.88 | 57.53 | 74 | -24.12 | 32.14 | 6.18 | 45.97 | 100 | 150 | Peak |
| 2390 | 40.92 | 48.57 | 54 | -13.08 | 32.14 | 6.18 | 45.97 | 100 | 150 | Average |
| 2480 | 93.95 | 101.23 | / | / | 32.35 | 6.3 | 45.93 | 100 | 150 | Peak |
| 2480 | 93.1 | 100.38 | / | / | 32.35 | 6.3 | 45.93 | 100 | 150 | Average |
| 2483.5 | 51.73 | 58.99 | 74 | -22.27 | 32.36 | 6.31 | 45.93 | 100 | 150 | Peak |
| 2483.5 | 42.4 | 49.66 | 54 | -11.6 | 32.36 | 6.31 | 45.93 | 100 | 150 | Average |

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 2480MHz: Fundamental frequency.



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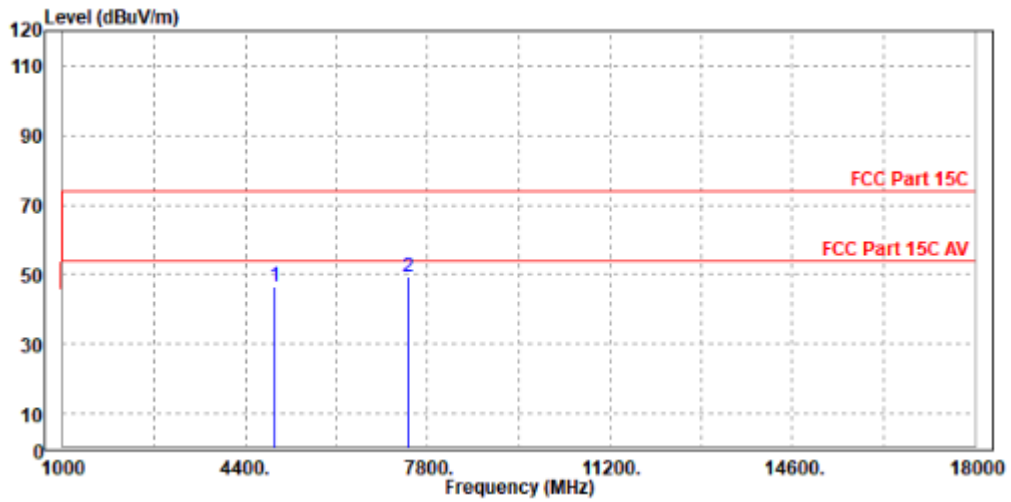
Test Report No.: W7L-P23030005RF02

Worst case harmonic:

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 39 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 25GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

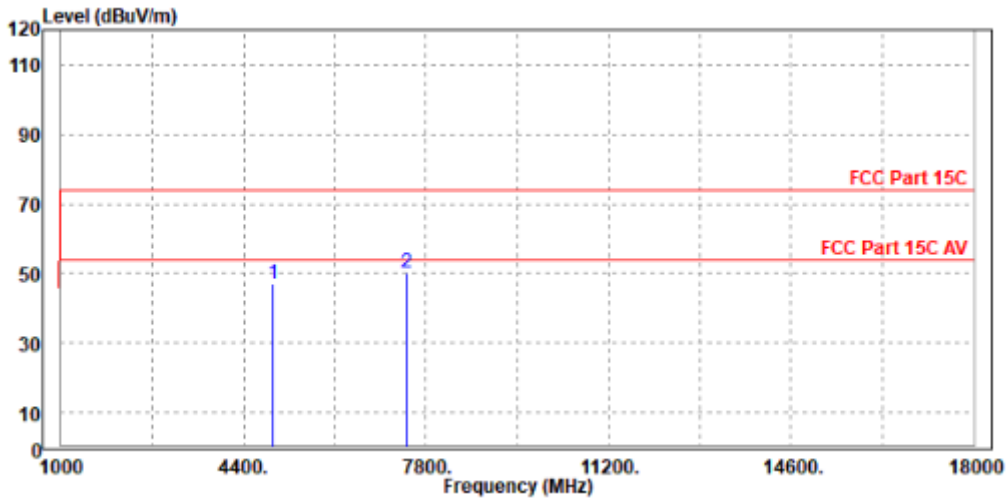
| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4961.000 | 46.76 | 47.95 | 74.00 | -27.24 | -1.19 | Peak | Horizontal |
| 2 PP | 7440.000 | 49.22 | 47.24 | 74.00 | -24.78 | 1.98 | Peak | Horizontal |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBuV/m | dBuV | dBuV/m | dB | dB/m | | |
| 1 | 4960.000 | 47.21 | 48.20 | 74.00 | -26.79 | -0.99 | Peak | Vertical |
| 2 PP | 7443.000 | 50.30 | 48.30 | 74.00 | -23.70 | 2.00 | Peak | Vertical |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet



3.3 6 dB BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|---------------------|--------------|------------|------------|------------|------------|
| Power Meter | ANRITSU | ML2495A | 1506002 | Feb. 14,23 | Feb. 13,24 |
| EXA Signal Analyzer | KEYSIGHT | N9010A-526 | MY54510322 | Feb. 17,23 | Feb. 16,24 |
| EXA Signal Analyzer | KEYSIGHT | N9010A-544 | MY54510355 | May.14,22 | May.13,23 |
| Power Sensor | ANRITSU | MA2411B | 1339352 | Feb. 14,23 | Feb. 13,24 |

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.

3.3.3 TEST PROCEDURE

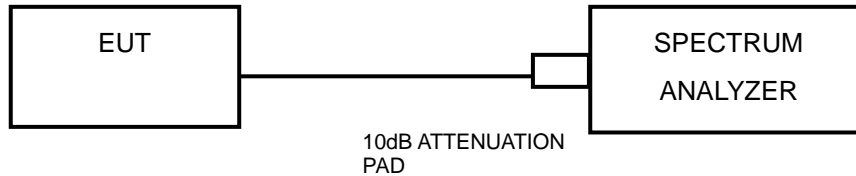
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



BUREAU Test Report No.: W7L-P23030005RF02
VERITAS

3.3.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

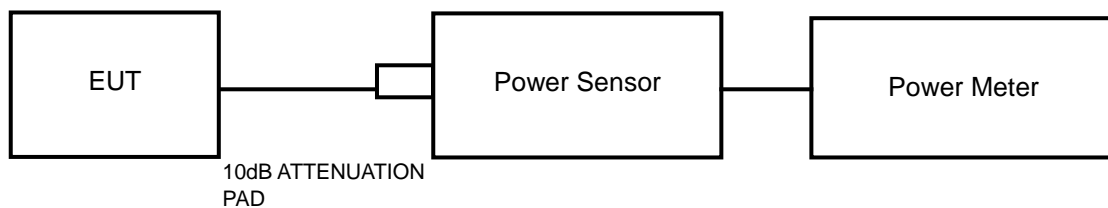


3.4 CONDUCTED OUTPUT POWER

3.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm)

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



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3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix1/2 Of this test report.



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3.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

Please Refer to Appendix1/2 Of this test report.

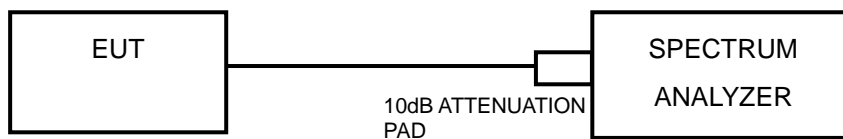


3.5 POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.5.4 TEST PROCEDURE

1. Set the span to 1.5 times the DTS bandwidth
2. Set the RBW = 3 kHz, VBW \geq 3 x RBW, Detector = peak.
3. Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



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3.5.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

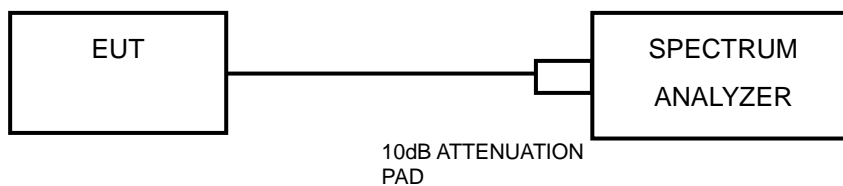


3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.6.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW \geq 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.



MEASUREMENT PROCEDURE OOB

1. Set RBW = 100 kHz.
2. Set VBW \geq 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.6.7 TEST RESULTS

The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

Please Refer to Appendix1/2 Of this test report.



3.7 ANTENNA REQUIREMENTS

3.7.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.7.3 ANTENNA GAIN

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit and PSD limit



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).