

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK | 1850.7 | 18607 | 1.4 | 1 | 0 | 23.46 |
| | | | | 1 | 5 | 23.46 |
| | | | | 3 | 2 | 22.68 |
| | | | | 6 | 0 | 22.57 |
| | 1880 | 18900 | | 1 | 0 | 23.44 |
| | | | | 1 | 5 | 23.44 |
| | | | | 3 | 2 | 22.70 |
| | | | | 6 | 0 | 22.61 |
| | 1909.3 | 19193 | | 1 | 0 | 23.45 |
| | | | | 1 | 5 | 23.45 |
| | | | | 3 | 2 | 22.76 |
| | | | | 6 | 0 | 22.68 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1850.7 | 18607 | 1.4 | 1 | 0 | 22.71 |
| | | | | 1 | 5 | 22.71 |
| | | | | 3 | 2 | 21.59 |
| | | | | 6 | 0 | 21.51 |
| | 1880 | 18900 | | 1 | 0 | 22.74 |
| | | | | 1 | 5 | 22.74 |
| | | | | 3 | 2 | 21.68 |
| | | | | 6 | 0 | 21.54 |
| | 1909.3 | 19193 | | 1 | 0 | 22.76 |
| | | | | 1 | 5 | 22.76 |
| | | | | 3 | 2 | 21.73 |
| | | | | 6 | 0 | 21.67 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1850.7 | 18607 | 1.4 | 1 | 0 | 22.46 |
| | | | | 1 | 5 | 22.46 |
| | | | | 3 | 2 | 21.57 |
| | | | | 6 | 0 | 21.49 |
| | 1880 | 18900 | | 1 | 0 | 22.48 |
| | | | | 1 | 5 | 22.48 |
| | | | | 3 | 2 | 21.60 |
| | | | | 6 | 0 | 21.53 |
| | 1909.3 | 19193 | | 1 | 0 | 22.53 |
| | | | | 1 | 5 | 22.53 |
| | | | | 3 | 2 | 21.64 |
| | | | | 6 | 0 | 21.60 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK | 1851.5 | 18615 | 3 | 1 | 0 | 23.43 |
| | | | | 1 | 14 | 23.43 |
| | | | | 8 | 4 | 22.65 |
| | | | | 15 | 0 | 22.54 |
| | 1880 | 18900 | | 1 | 0 | 23.41 |
| | | | | 1 | 14 | 23.41 |
| | | | | 8 | 4 | 22.67 |
| | | | | 15 | 0 | 22.58 |
| | 1908.5 | 19185 | | 1 | 0 | 23.42 |
| | | | | 1 | 14 | 23.42 |
| | | | | 8 | 4 | 22.73 |
| | | | | 15 | 0 | 22.65 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1851.5 | 18615 | 3 | 1 | 0 | 22.68 |
| | | | | 1 | 14 | 22.68 |
| | | | | 8 | 4 | 21.56 |
| | | | | 15 | 0 | 21.48 |
| | 1880 | 18900 | | 1 | 0 | 22.71 |
| | | | | 1 | 14 | 22.71 |
| | | | | 8 | 4 | 21.65 |
| | | | | 15 | 0 | 21.51 |
| | 1908.5 | 19185 | | 1 | 0 | 22.73 |
| | | | | 1 | 14 | 22.73 |
| | | | | 8 | 4 | 21.70 |
| | | | | 15 | 0 | 21.64 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1851.5 | 18615 | 3 | 1 | 0 | 22.43 |
| | | | | 1 | 14 | 22.43 |
| | | | | 8 | 4 | 21.54 |
| | | | | 15 | 0 | 21.46 |
| | 1880 | 18900 | | 1 | 0 | 22.45 |
| | | | | 1 | 14 | 22.45 |
| | | | | 8 | 4 | 21.57 |
| | | | | 15 | 0 | 21.50 |
| | 1908.5 | 19185 | | 1 | 0 | 22.50 |
| | | | | 1 | 14 | 22.50 |
| | | | | 8 | 4 | 21.61 |
| | | | | 15 | 0 | 21.57 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK | 1852.5 | 18625 | 5 | 1 | 0 | 23.42 |
| | | | | 1 | 24 | 23.42 |
| | | | | 12 | 6 | 22.64 |
| | | | | 25 | 0 | 22.53 |
| | 1880 | 18900 | | 1 | 0 | 23.40 |
| | | | | 1 | 24 | 23.40 |
| | | | | 12 | 6 | 22.66 |
| | | | | 25 | 0 | 22.57 |
| | 1907.5 | 19175 | | 1 | 0 | 23.41 |
| | | | | 1 | 24 | 23.41 |
| | | | | 12 | 6 | 22.72 |
| | | | | 25 | 0 | 22.64 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1852.5 | 18625 | 5 | 1 | 0 | 22.67 |
| | | | | 1 | 24 | 22.67 |
| | | | | 12 | 6 | 21.55 |
| | | | | 25 | 0 | 21.47 |
| | 1880 | 18900 | | 1 | 0 | 22.70 |
| | | | | 1 | 24 | 22.70 |
| | | | | 12 | 6 | 21.64 |
| | | | | 25 | 0 | 21.50 |
| | 1907.5 | 19175 | | 1 | 0 | 22.72 |
| | | | | 1 | 24 | 22.72 |
| | | | | 12 | 6 | 21.69 |
| | | | | 25 | 0 | 21.63 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1852.5 | 18625 | 5 | 1 | 0 | 22.42 |
| | | | | 1 | 24 | 22.42 |
| | | | | 12 | 6 | 21.53 |
| | | | | 25 | 0 | 21.45 |
| | 1880 | 18900 | | 1 | 0 | 22.44 |
| | | | | 1 | 24 | 22.44 |
| | | | | 12 | 6 | 21.56 |
| | | | | 25 | 0 | 21.49 |
| | 1907.5 | 19175 | | 1 | 0 | 22.49 |
| | | | | 1 | 24 | 22.49 |
| | | | | 12 | 6 | 21.60 |
| | | | | 25 | 0 | 21.56 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK | 1855 | 18650 | 10 | 1 | 0 | 23.48 |
| | | | | 1 | 49 | 23.48 |
| | | | | 24 | 12 | 22.70 |
| | | | | 50 | 0 | 22.59 |
| | 1880 | 18900 | | 1 | 0 | 23.46 |
| | | | | 1 | 49 | 23.46 |
| | | | | 24 | 12 | 22.72 |
| | | | | 50 | 0 | 22.63 |
| | 1905 | 19150 | | 1 | 0 | 23.47 |
| | | | | 1 | 49 | 23.47 |
| | | | | 24 | 12 | 22.78 |
| | | | | 50 | 0 | 22.70 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1855 | 18650 | 10 | 1 | 0 | 22.73 |
| | | | | 1 | 49 | 22.73 |
| | | | | 24 | 12 | 21.61 |
| | | | | 50 | 0 | 21.53 |
| | 1880 | 18900 | | 1 | 0 | 22.76 |
| | | | | 1 | 49 | 22.76 |
| | | | | 24 | 12 | 21.70 |
| | | | | 50 | 0 | 21.56 |
| | 1905 | 19150 | | 1 | 0 | 22.78 |
| | | | | 1 | 49 | 22.78 |
| | | | | 24 | 12 | 21.75 |
| | | | | 50 | 0 | 21.69 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1855 | 18650 | 10 | 1 | 0 | 22.48 |
| | | | | 1 | 49 | 22.48 |
| | | | | 24 | 12 | 21.59 |
| | | | | 50 | 0 | 21.51 |
| | 1880 | 18900 | | 1 | 0 | 22.50 |
| | | | | 1 | 49 | 22.50 |
| | | | | 24 | 12 | 21.62 |
| | | | | 50 | 0 | 21.55 |
| | 1905 | 19150 | | 1 | 0 | 22.55 |
| | | | | 1 | 49 | 22.55 |
| | | | | 24 | 12 | 21.66 |
| | | | | 50 | 0 | 21.62 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK | 1857.5 | 18675 | 15 | 1 | 0 | 23.52 |
| | | | | 1 | 74 | 23.52 |
| | | | | 40 | 18 | 22.74 |
| | | | | 75 | 0 | 22.63 |
| | 1880 | 18900 | | 1 | 0 | 23.50 |
| | | | | 1 | 74 | 23.50 |
| | | | | 40 | 18 | 22.76 |
| | | | | 75 | 0 | 22.67 |
| | 1902.5 | 19125 | | 1 | 0 | 23.51 |
| | | | | 1 | 74 | 23.51 |
| | | | | 40 | 18 | 22.82 |
| | | | | 75 | 0 | 22.74 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1857.5 | 18675 | 15 | 1 | 0 | 22.77 |
| | | | | 1 | 74 | 22.77 |
| | | | | 40 | 18 | 21.65 |
| | | | | 75 | 0 | 21.57 |
| | 1880 | 18900 | | 1 | 0 | 22.80 |
| | | | | 1 | 74 | 22.80 |
| | | | | 40 | 18 | 21.74 |
| | | | | 75 | 0 | 21.60 |
| | 1902.5 | 19125 | | 1 | 0 | 22.81 |
| | | | | 1 | 74 | 22.81 |
| | | | | 40 | 18 | 21.79 |
| | | | | 75 | 0 | 21.73 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1857.5 | 18675 | 15 | 1 | 0 | 22.52 |
| | | | | 1 | 74 | 22.52 |
| | | | | 40 | 18 | 21.63 |
| | | | | 75 | 0 | 21.55 |
| | 1880 | 18900 | | 1 | 0 | 22.54 |
| | | | | 1 | 74 | 22.54 |
| | | | | 40 | 18 | 21.66 |
| | | | | 75 | 0 | 21.59 |
| | 1902.5 | 19125 | | 1 | 0 | 22.59 |
| | | | | 1 | 74 | 22.59 |
| | | | | 40 | 18 | 21.70 |
| | | | | 75 | 0 | 21.66 |

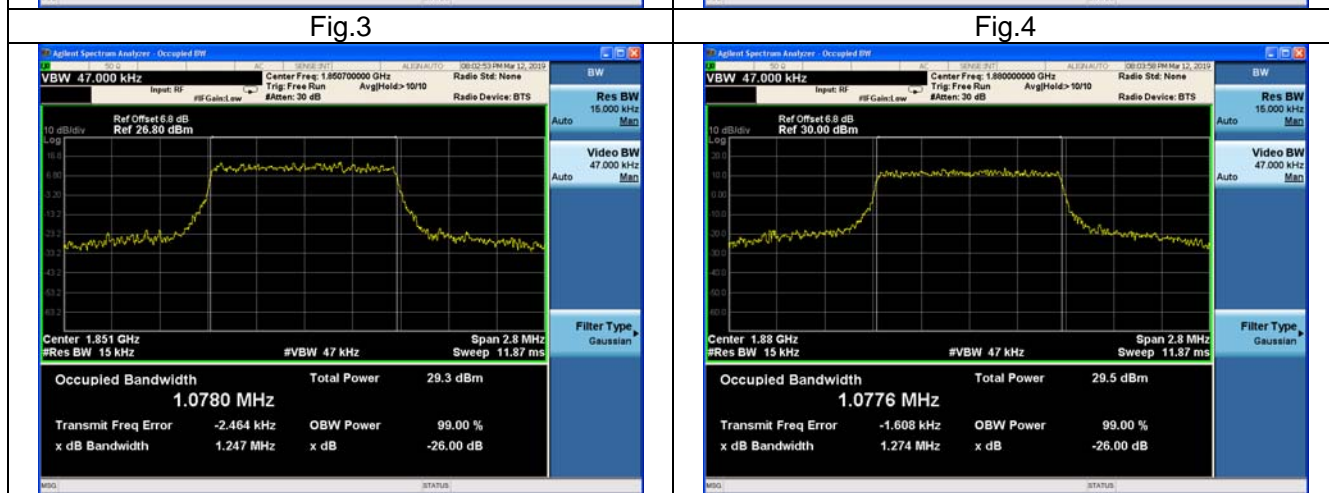
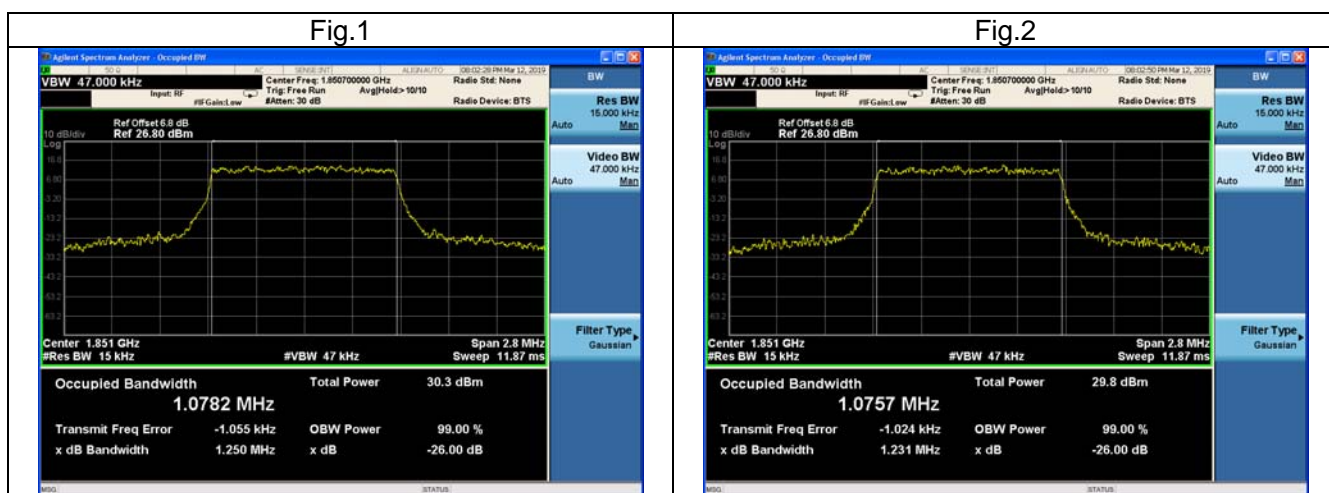
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK | 1860 | 18700 | 20 | 1 | 0 | 23.54 |
| | | | | 1 | 99 | 23.54 |
| | | | | 50 | 25 | 22.76 |
| | | | | 100 | 0 | 22.65 |
| | 1880 | 18900 | | 1 | 0 | 23.52 |
| | | | | 1 | 99 | 23.52 |
| | | | | 50 | 25 | 22.78 |
| | | | | 100 | 0 | 22.69 |
| | 1900 | 19100 | | 1 | 0 | 23.53 |
| | | | | 1 | 99 | 23.53 |
| | | | | 50 | 25 | 22.84 |
| | | | | 100 | 0 | 22.76 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 16QAM | 1860 | 18700 | 20 | 1 | 0 | 22.79 |
| | | | | 1 | 99 | 22.79 |
| | | | | 50 | 25 | 21.67 |
| | | | | 100 | 0 | 21.59 |
| | 1880 | 18900 | | 1 | 0 | 22.82 |
| | | | | 1 | 99 | 22.82 |
| | | | | 50 | 25 | 21.76 |
| | | | | 100 | 0 | 21.62 |
| | 1900 | 19100 | | 1 | 0 | 22.84 |
| | | | | 1 | 99 | 22.84 |
| | | | | 50 | 25 | 21.81 |
| | | | | 100 | 0 | 21.75 |
| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
| 64QAM | 1860 | 18700 | 20 | 1 | 0 | 22.54 |
| | | | | 1 | 99 | 22.54 |
| | | | | 50 | 25 | 21.65 |
| | | | | 100 | 0 | 21.57 |
| | 1880 | 18900 | | 1 | 0 | 22.56 |
| | | | | 1 | 99 | 22.56 |
| | | | | 50 | 25 | 21.68 |
| | | | | 100 | 0 | 21.61 |
| | 1900 | 19100 | | 1 | 0 | 22.61 |
| | | | | 1 | 99 | 22.61 |
| | | | | 50 | 25 | 21.72 |
| | | | | 100 | 0 | 21.68 |

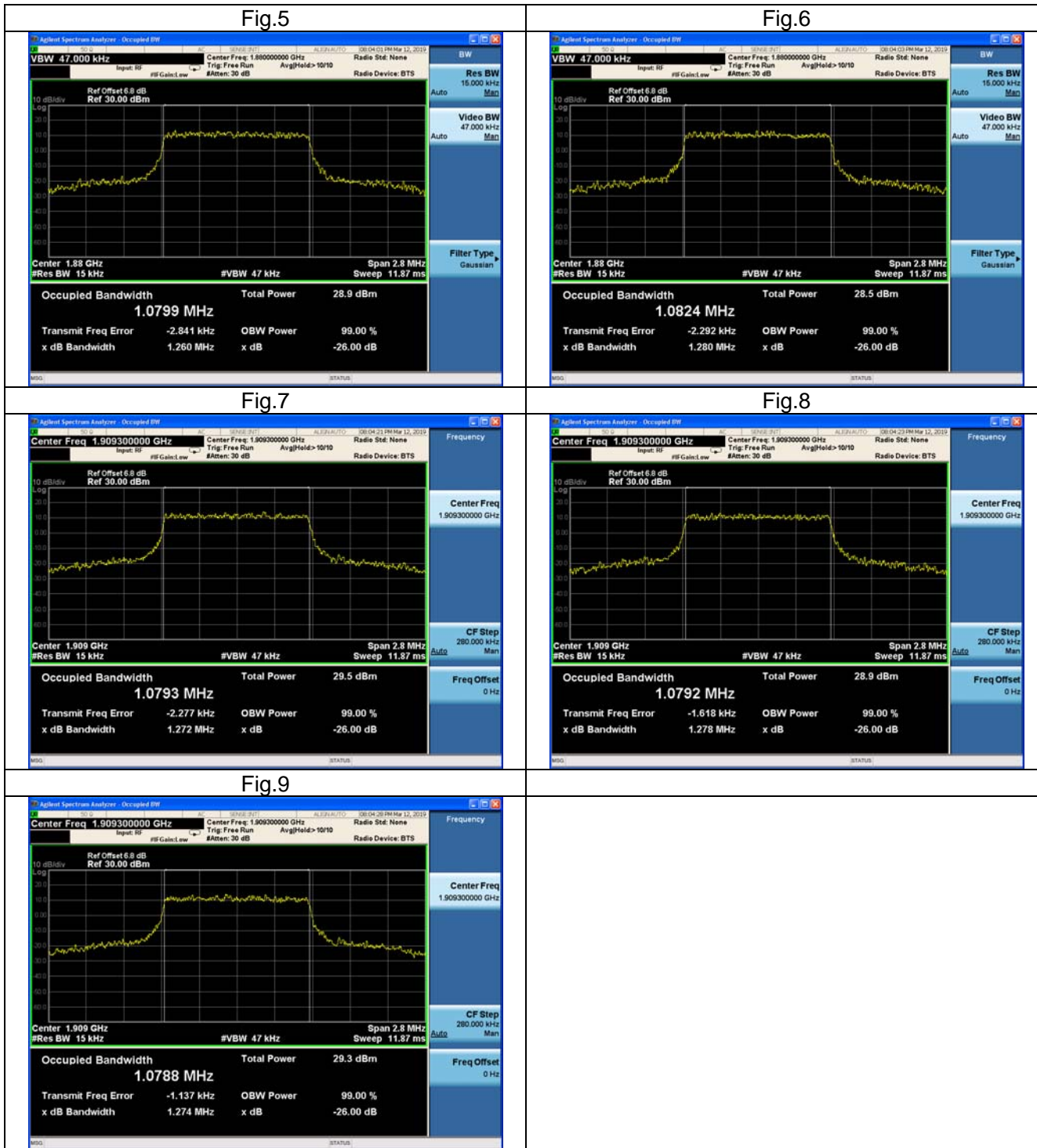
2 Occupied Bandwidth

Test result

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|-----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1850.7 | 18607 | 1.4 | 6 | 0 | 1.0782 | Fig.1 | 1.0757 | Fig.2 | 1.0780 | Fig.3 |
| 2 | 1880.0 | 18900 | 1.4 | 6 | 0 | 1.0776 | Fig.4 | 1.0799 | Fig.5 | 1.0824 | Fig.6 |
| 2 | 1909.3 | 19193 | 1.4 | 6 | 0 | 1.0793 | Fig.7 | 1.0792 | Fig.8 | 1.0788 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|-----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1850.7 | 18607 | 1.4 | 6 | 0 | 1.250 | Fig.1 | 1.231 | Fig.2 | 1.247 | Fig.3 |
| 2 | 1880.0 | 18900 | 1.4 | 6 | 0 | 1.274 | Fig.4 | 1.260 | Fig.5 | 1.280 | Fig.6 |
| 2 | 1909.3 | 19193 | 1.4 | 6 | 0 | 1.272 | Fig.7 | 1.278 | Fig.8 | 1.274 | Fig.9 |





| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1851.5 | 18615 | 3 | 15 | 0 | 2.6980 | Fig.1 | 2.6798 | Fig.2 | 2.7088 | Fig.3 |
| 2 | 1880.0 | 18900 | 3 | 15 | 0 | 2.7013 | Fig.4 | 2.7053 | Fig.5 | 2.7051 | Fig.6 |
| 2 | 1908.5 | 19185 | 3 | 15 | 0 | 2.6993 | Fig.7 | 2.7000 | Fig.8 | 2.7012 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1851.5 | 18615 | 3 | 15 | 0 | 2.913 | Fig.1 | 2.890 | Fig.2 | 2.907 | Fig.3 |
| 2 | 1880.0 | 18900 | 3 | 15 | 0 | 2.911 | Fig.4 | 2.902 | Fig.5 | 2.914 | Fig.6 |
| 2 | 1908.5 | 19185 | 3 | 15 | 0 | 2.931 | Fig.7 | 2.916 | Fig.8 | 2.914 | Fig.9 |

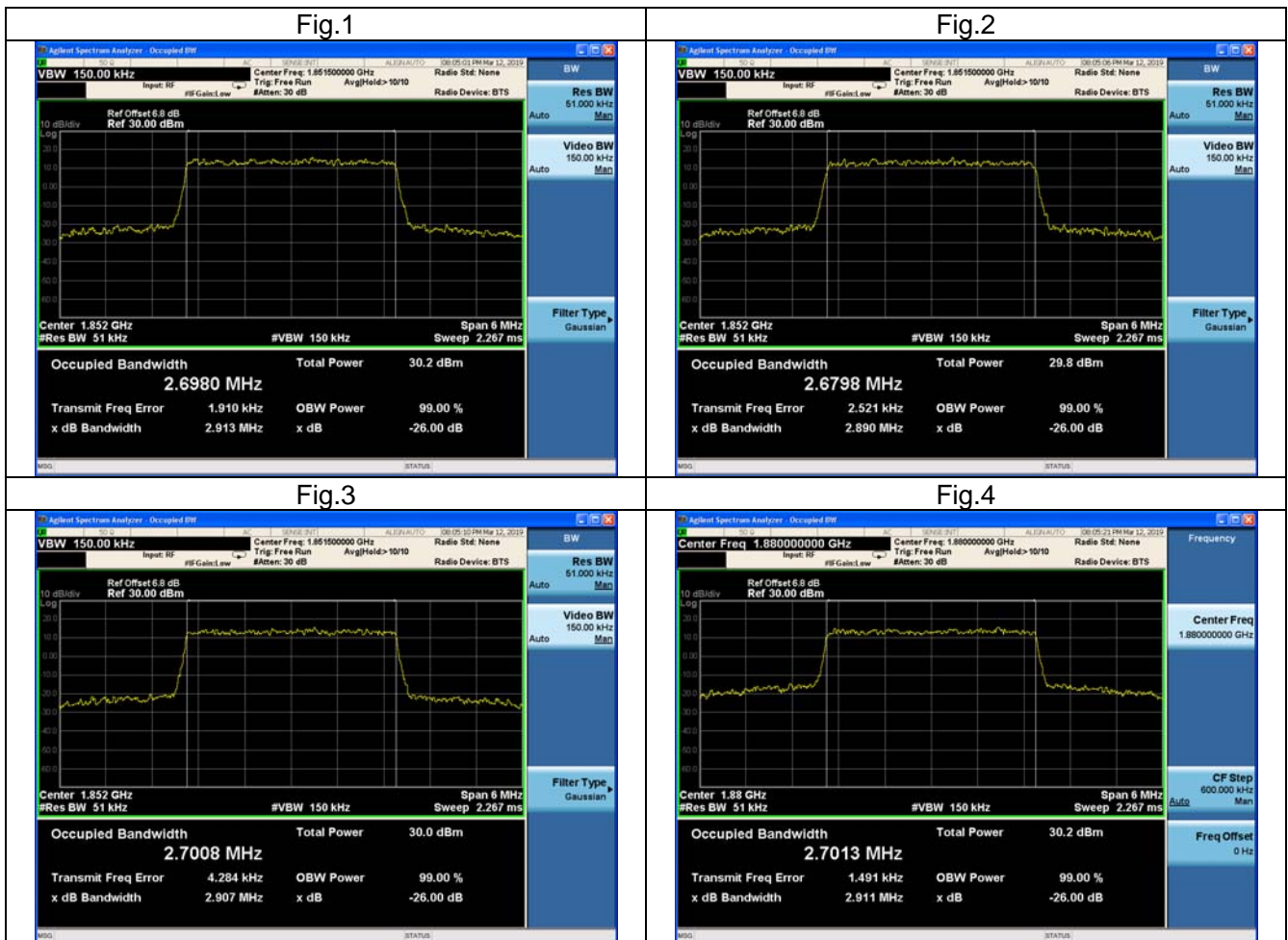


Fig.5



Fig.6

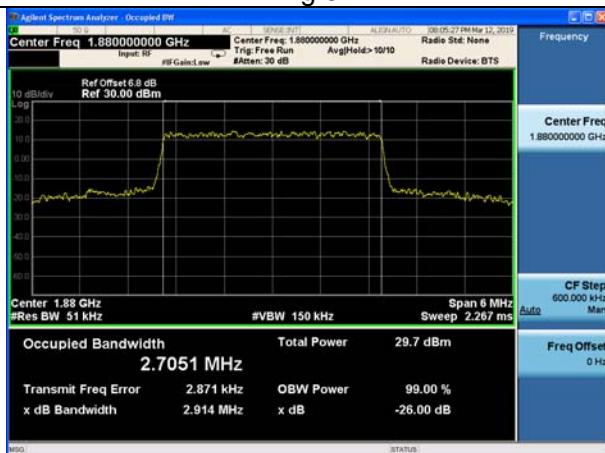


Fig.7

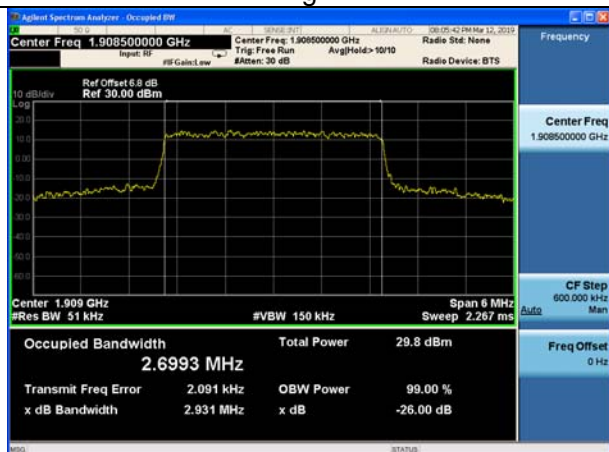


Fig.8



Fig.9



| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1852.5 | 18625 | 5 | 25 | 0 | 4.4937 | Fig.1 | 4.4864 | Fig.2 | 4.4898 | Fig.3 |
| 2 | 1880.0 | 18900 | 5 | 25 | 0 | 4.5027 | Fig.4 | 4.4837 | Fig.5 | 4.4917 | Fig.6 |
| 2 | 1907.5 | 19175 | 5 | 25 | 0 | 4.4772 | Fig.7 | 4.4931 | Fig.8 | 4.4920 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1852.5 | 18625 | 5 | 25 | 0 | 5.086 | Fig.1 | 4.983 | Fig.2 | 5.012 | Fig.3 |
| 2 | 1880.0 | 18900 | 5 | 25 | 0 | 5.110 | Fig.4 | 5.140 | Fig.5 | 5.022 | Fig.6 |
| 2 | 1907.5 | 19175 | 5 | 25 | 0 | 5.043 | Fig.7 | 5.085 | Fig.8 | 5.143 | Fig.9 |

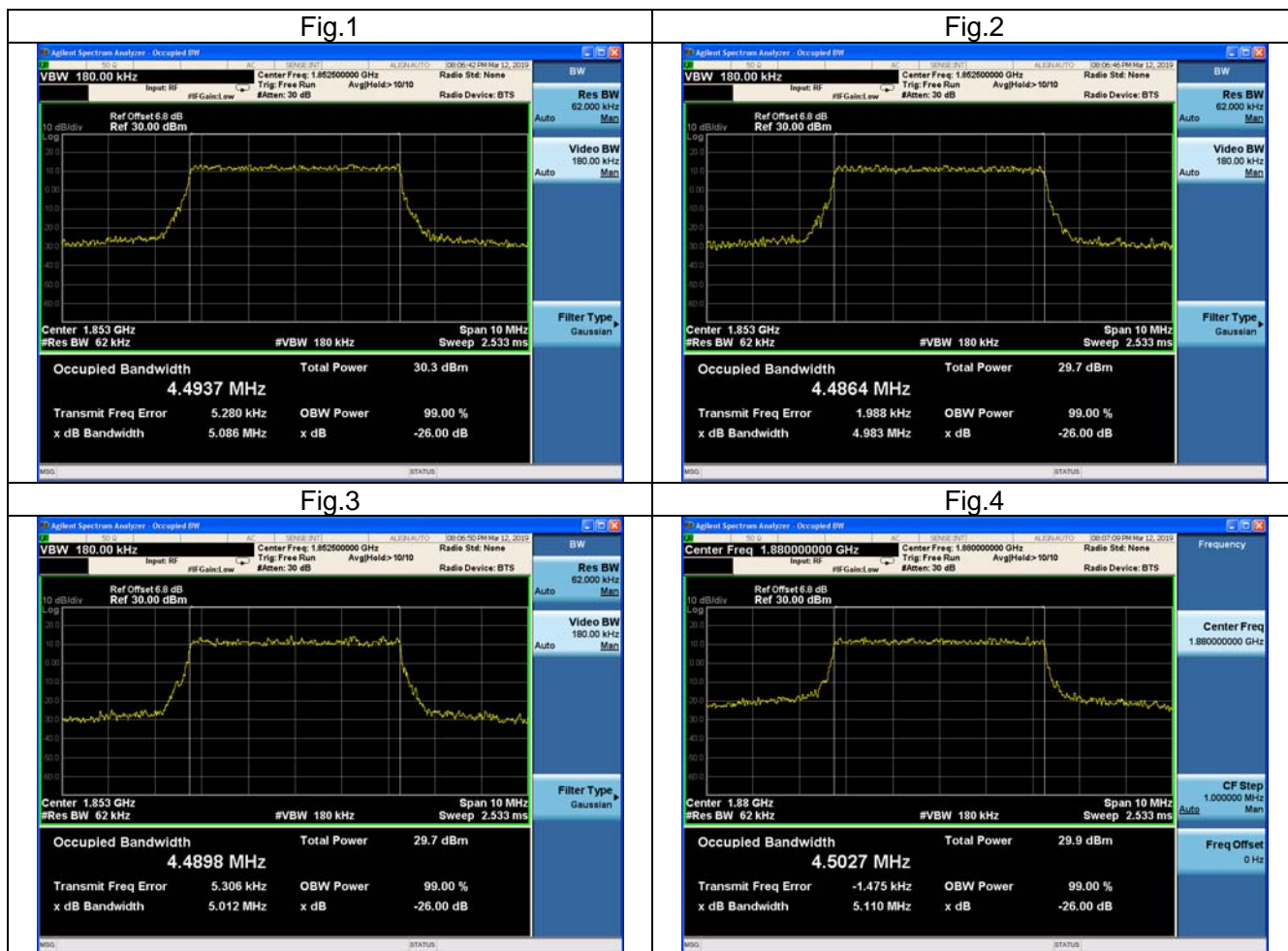


Fig.5

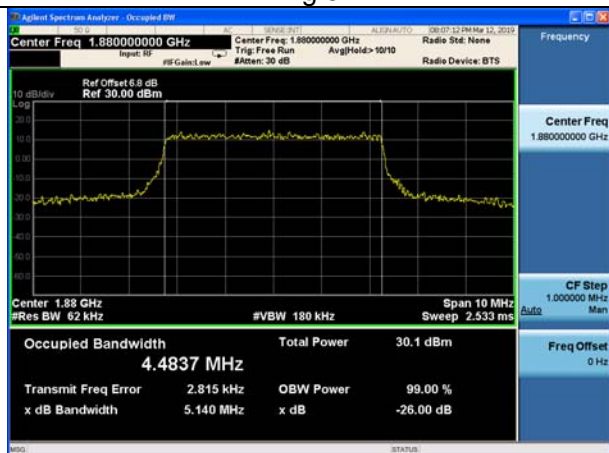


Fig.6

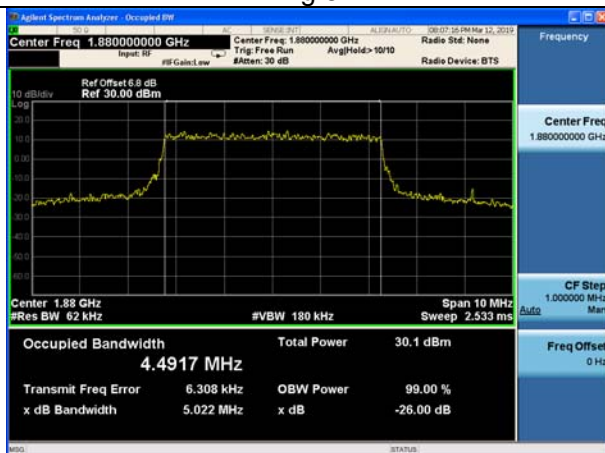


Fig.7

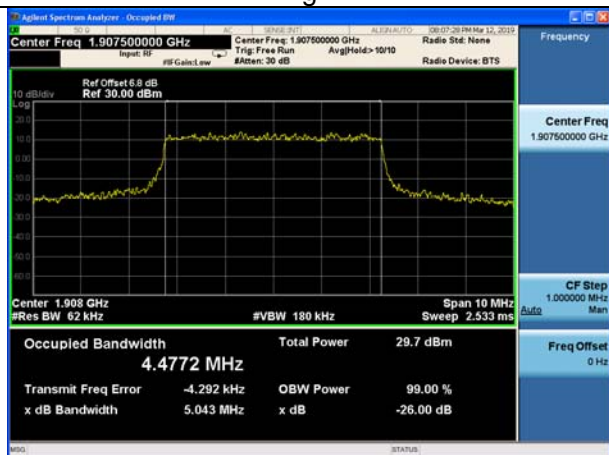


Fig.8

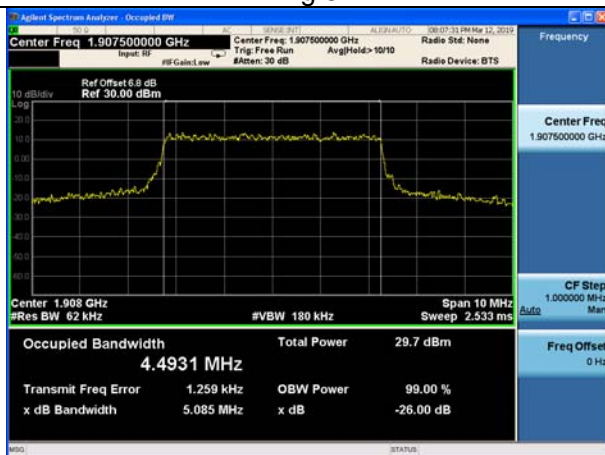


Fig.9



| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1855 | 18650 | 10 | 50 | 0 | 8.9616 | Fig.1 | 8.9551 | Fig.2 | 8.9590 | Fig.3 |
| 2 | 1880 | 18900 | 10 | 50 | 0 | 8.9826 | Fig.4 | 8.9736 | Fig.5 | 8.9802 | Fig.6 |
| 2 | 1905 | 19150 | 10 | 50 | 0 | 8.9609 | Fig.7 | 8.9465 | Fig.8 | 8.9408 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1855 | 18650 | 10 | 50 | 0 | 9.940 | Fig.1 | 9.873 | Fig.2 | 9.901 | Fig.3 |
| 2 | 1880 | 18900 | 10 | 50 | 0 | 9.782 | Fig.4 | 9.841 | Fig.5 | 9.862 | Fig.6 |
| 2 | 1905 | 19150 | 10 | 50 | 0 | 9.928 | Fig.7 | 9.944 | Fig.8 | 9.806 | Fig.9 |

Fig.1

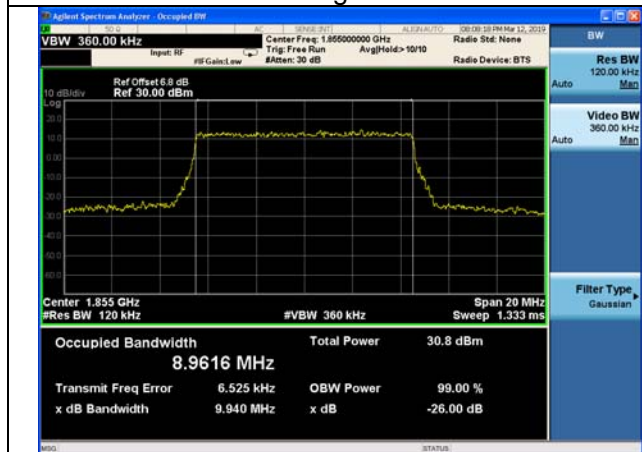


Fig.2



Fig.3

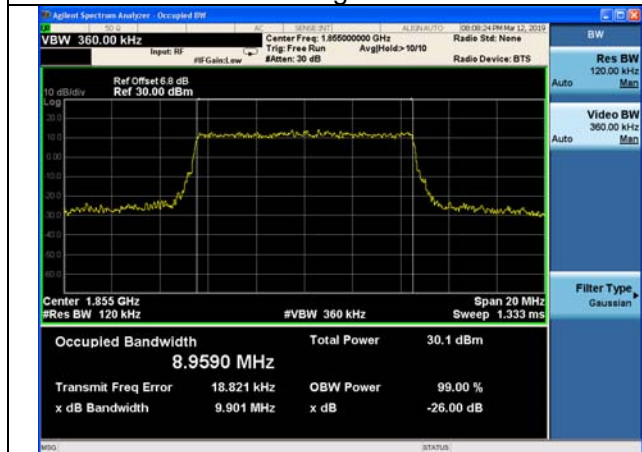


Fig.4



Fig.5



Fig.6



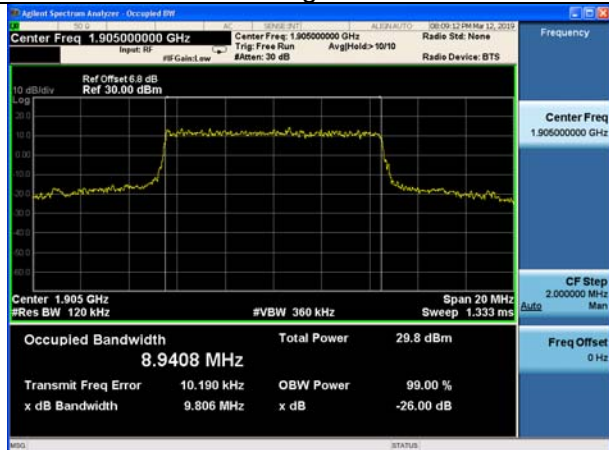
Fig.7



Fig.8



Fig.9



| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1857.5 | 18675 | 15 | 75 | 0 | 13.423 | Fig.1 | 13.434 | Fig.2 | 13.426 | Fig.3 |
| 2 | 1880.0 | 18900 | 15 | 75 | 0 | 13.465 | Fig.4 | 13.445 | Fig.5 | 13.437 | Fig.6 |
| 2 | 1902.5 | 19125 | 15 | 75 | 0 | 13.423 | Fig.7 | 13.459 | Fig.8 | 13.454 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1857.5 | 18675 | 15 | 75 | 0 | 14.54 | Fig.1 | 14.63 | Fig.2 | 14.75 | Fig.3 |
| 2 | 1880.0 | 18900 | 15 | 75 | 0 | 14.53 | Fig.4 | 14.74 | Fig.5 | 14.75 | Fig.6 |
| 2 | 1902.5 | 19125 | 15 | 75 | 0 | 14.75 | Fig.7 | 14.82 | Fig.8 | 14.78 | Fig.9 |

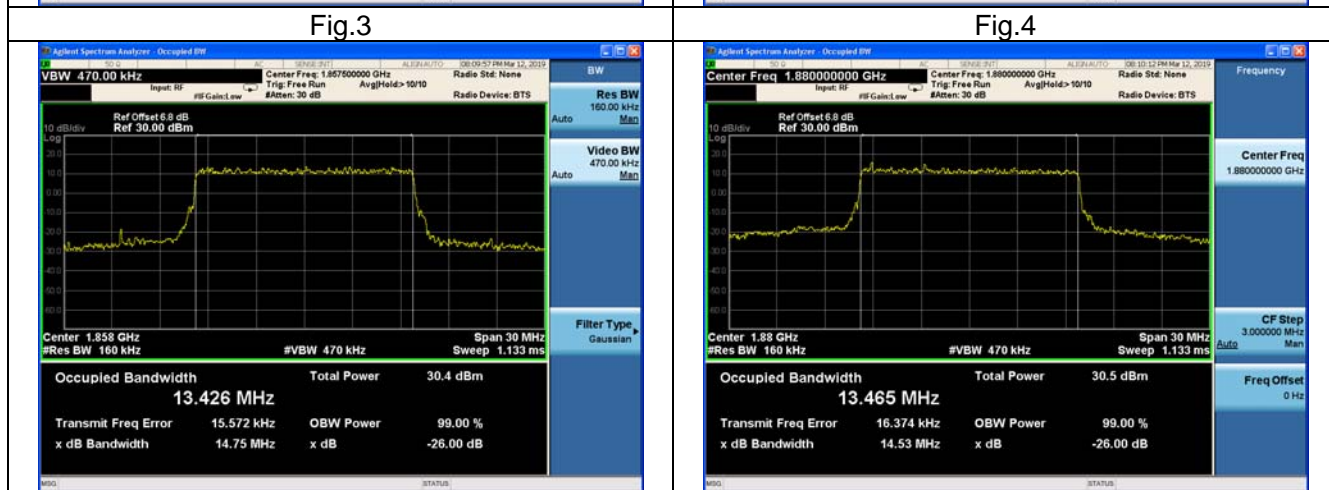
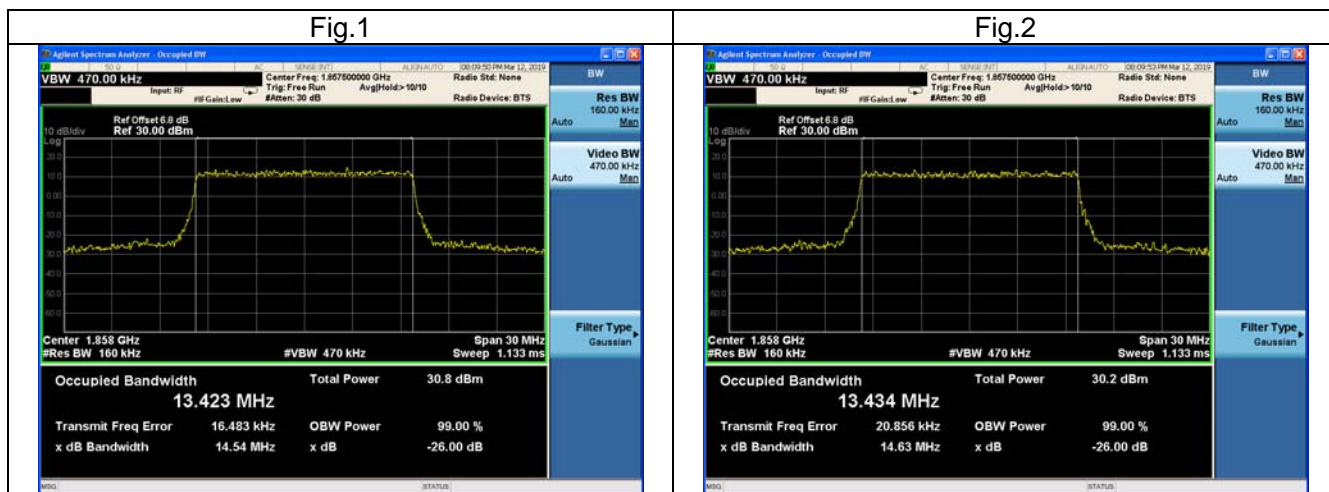


Fig.5

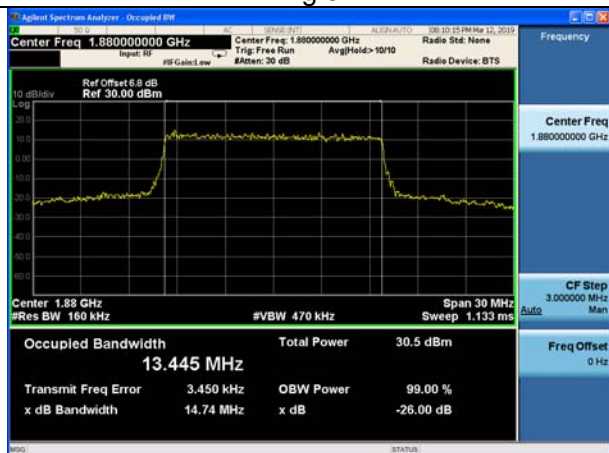


Fig.6

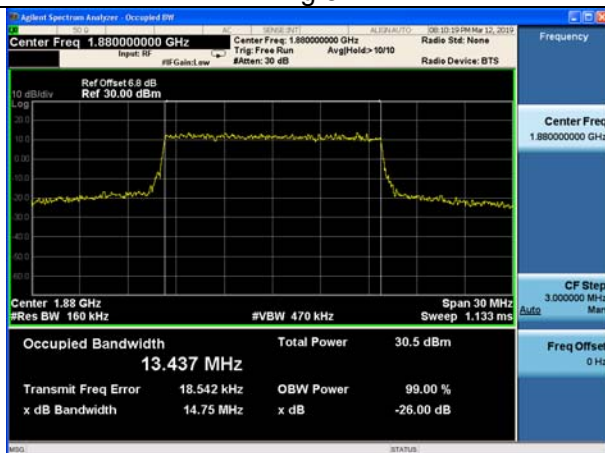


Fig.7

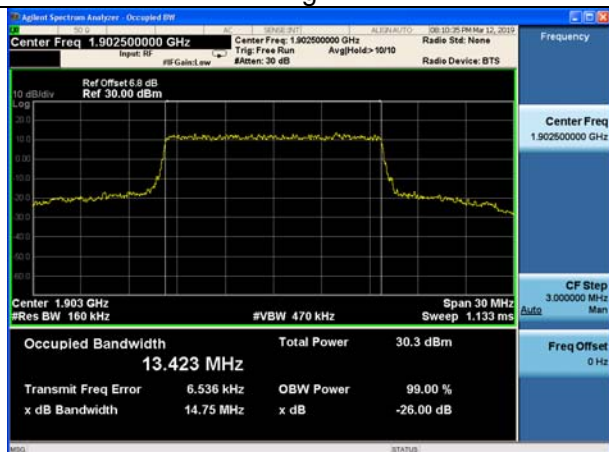


Fig.8

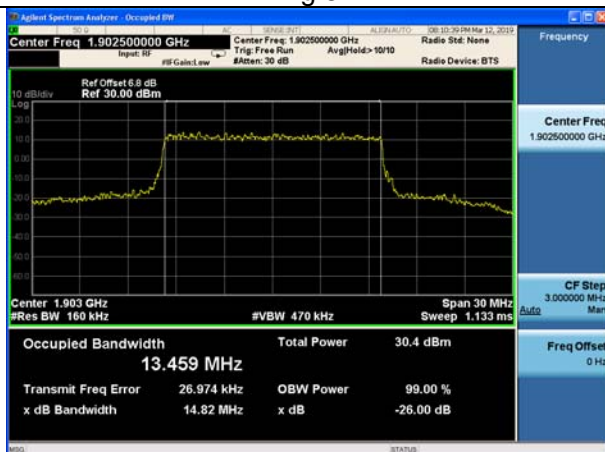


Fig.9



| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|------------------------------|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1860 | 18700 | 20 | 100 | 0 | 17.908 | Fig.1 | 17.910 | Fig.2 | 17.915 | Fig.3 |
| 2 | 1880 | 18900 | 20 | 100 | 0 | 17.868 | Fig.4 | 17.880 | Fig.5 | 17.853 | Fig.6 |
| 2 | 1900 | 19100 | 20 | 100 | 0 | 17.904 | Fig.7 | 17.834 | Fig.8 | 17.871 | Fig.9 |

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | | | | | |
|------|-------------------------|--------------|----|---------|-----------|--|-------|--------|-------|--------|-------|
| | | | | | | QPSK | | 16-QAM | | 64-QAM | |
| 2 | 1860 | 18700 | 20 | 100 | 0 | 19.34 | Fig.1 | 19.28 | Fig.2 | 19.19 | Fig.3 |
| 2 | 1880 | 18900 | 20 | 100 | 0 | 19.27 | Fig.4 | 19.41 | Fig.5 | 19.41 | Fig.6 |
| 2 | 1900 | 19100 | 20 | 100 | 0 | 19.33 | Fig.7 | 19.37 | Fig.8 | 19.35 | Fig.9 |

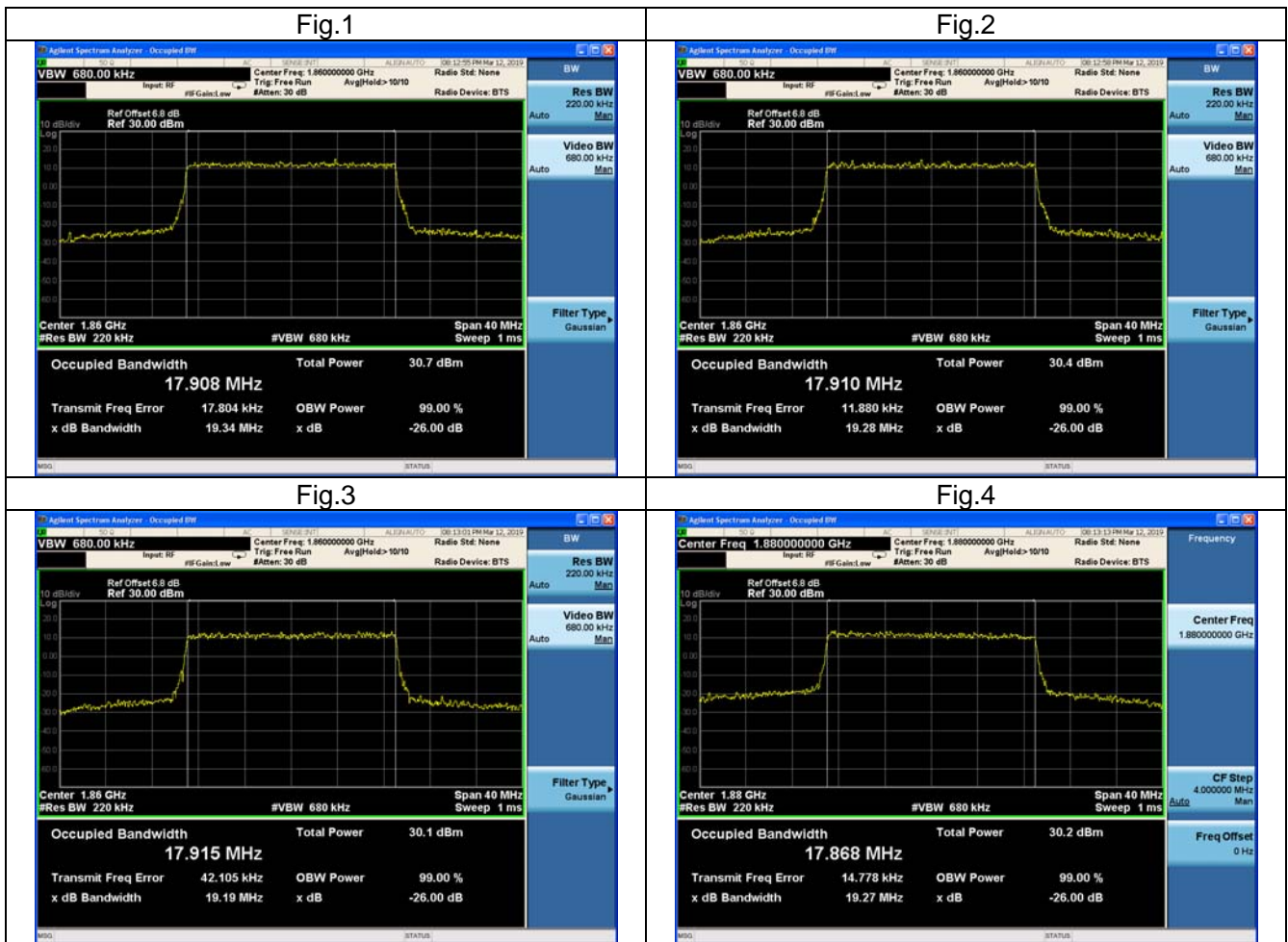


Fig.5

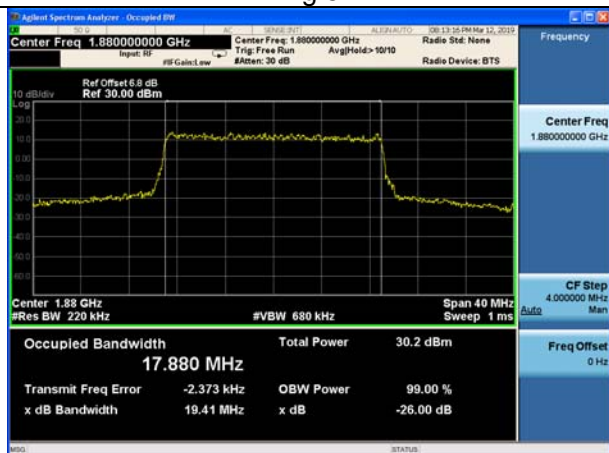


Fig.6

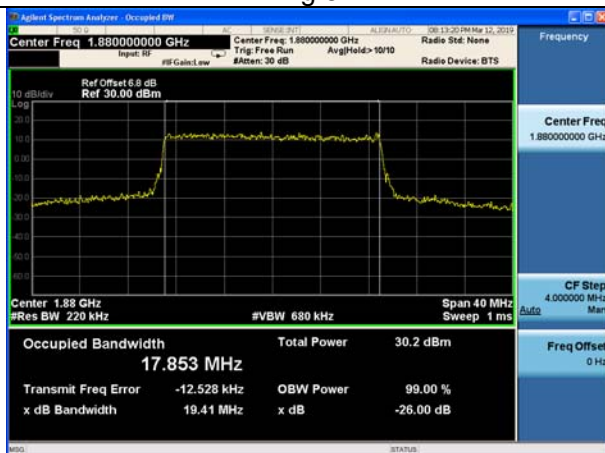


Fig.7

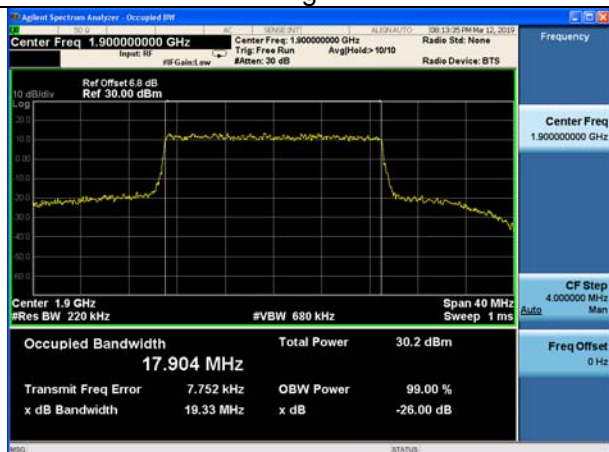


Fig.8

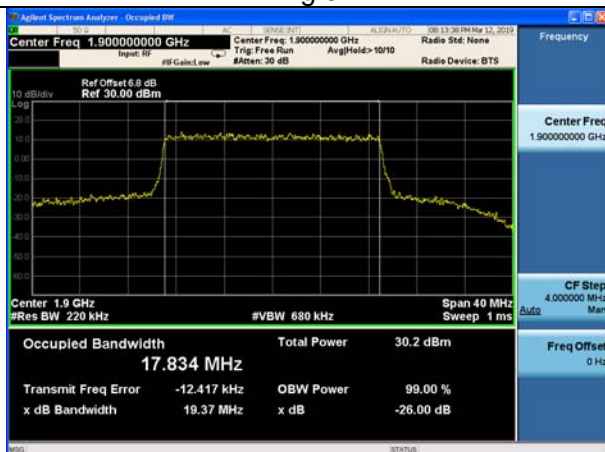
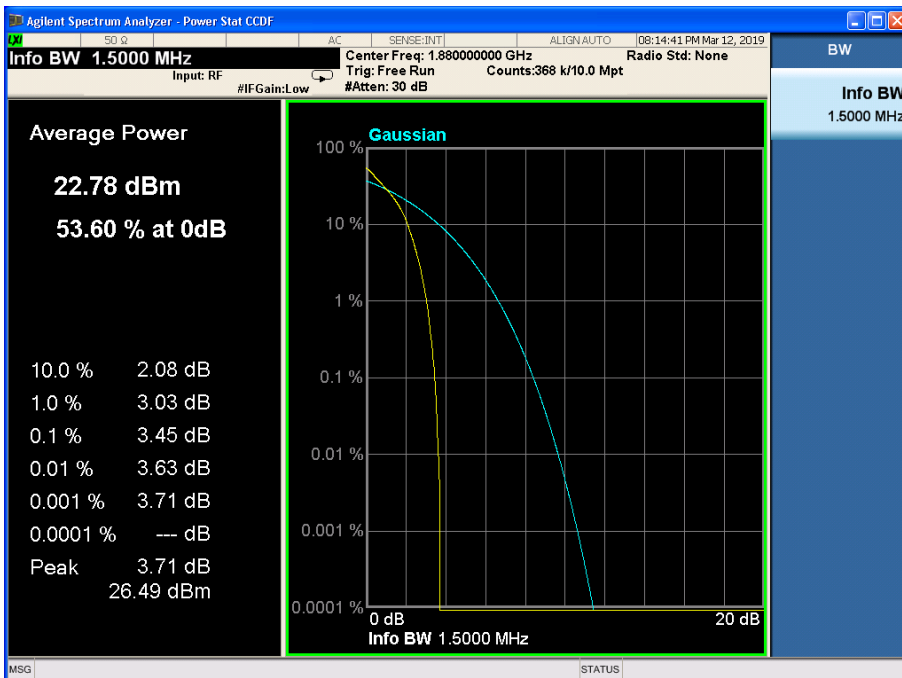


Fig.9

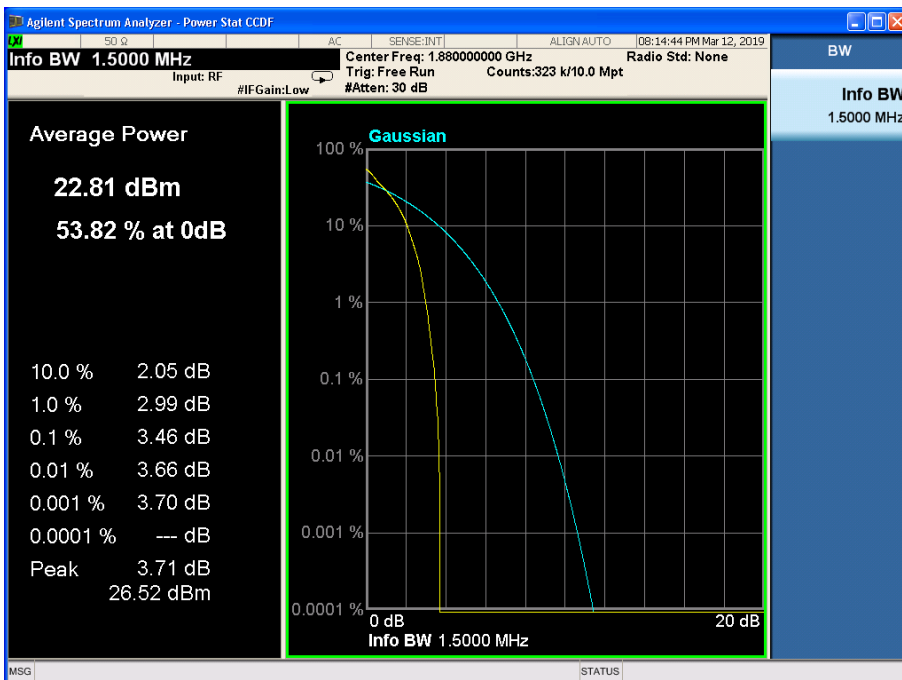


3 Peak-Average Ratio

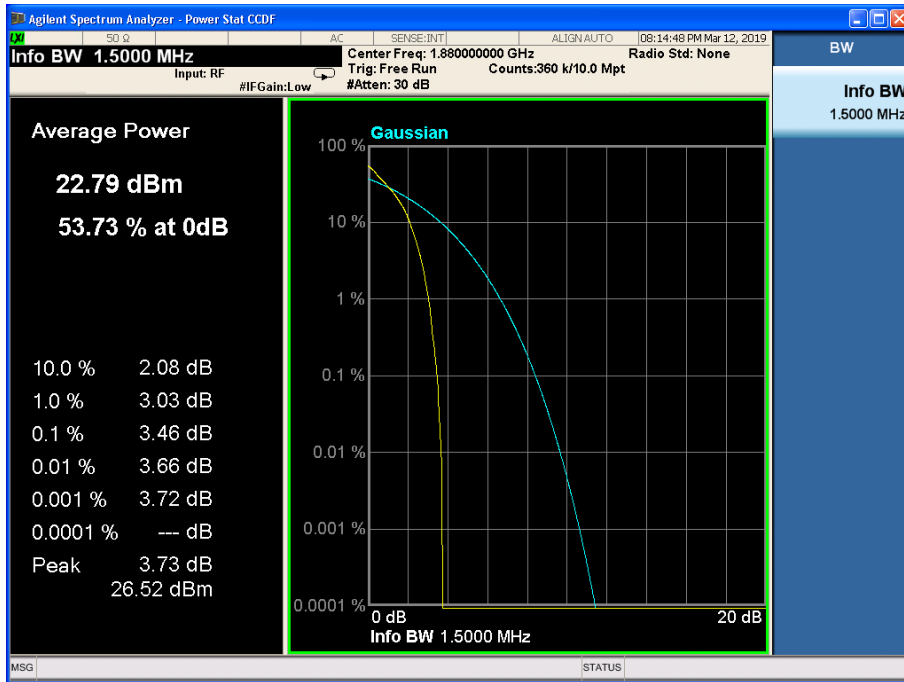
Test result:



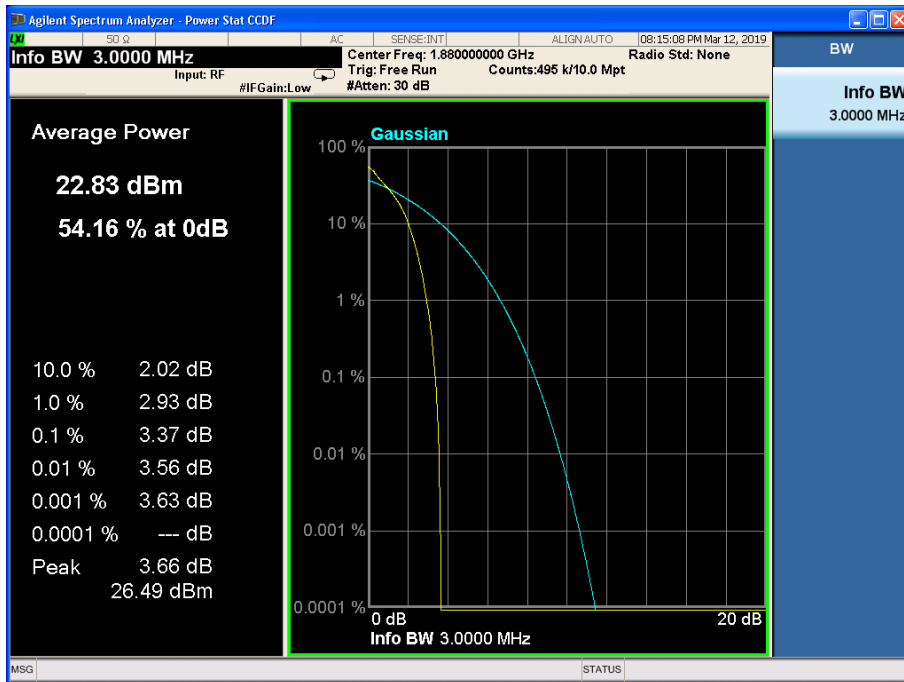
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 2-mid Channel)



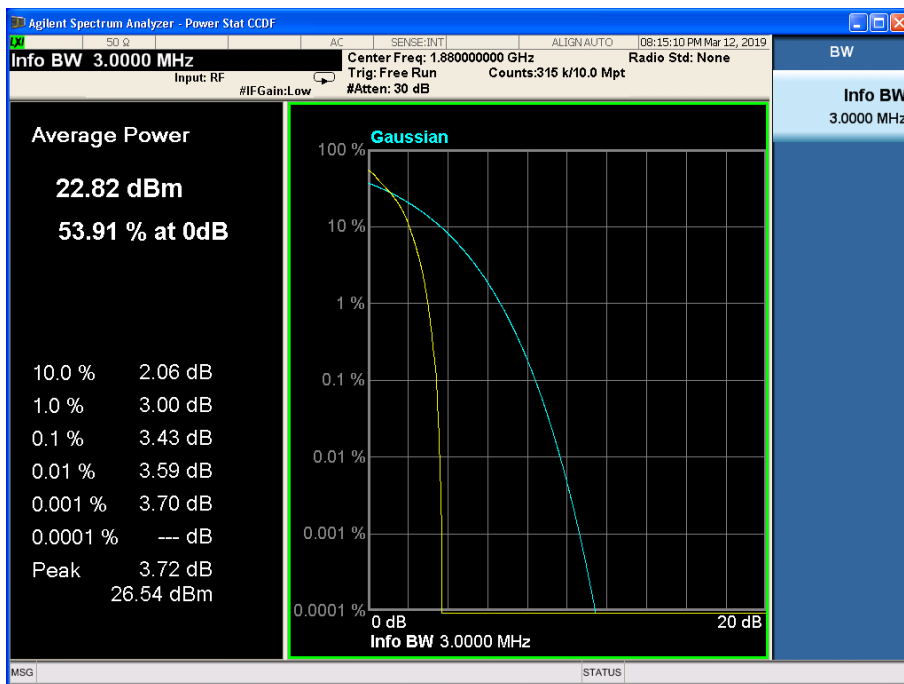
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 2-mid Channel)



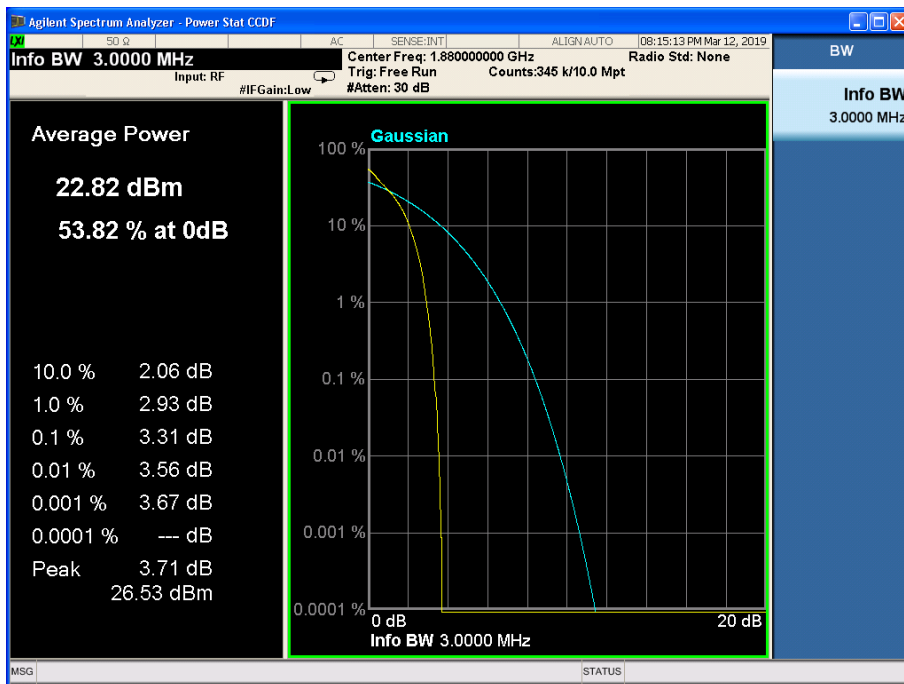
Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 2-mid Channel)



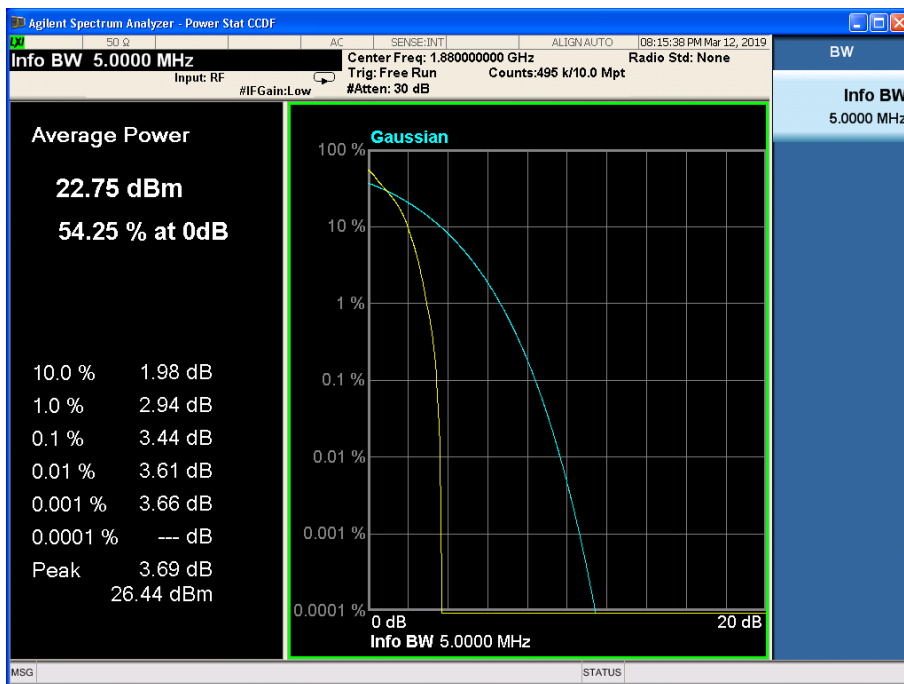
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 2-mid Channel)



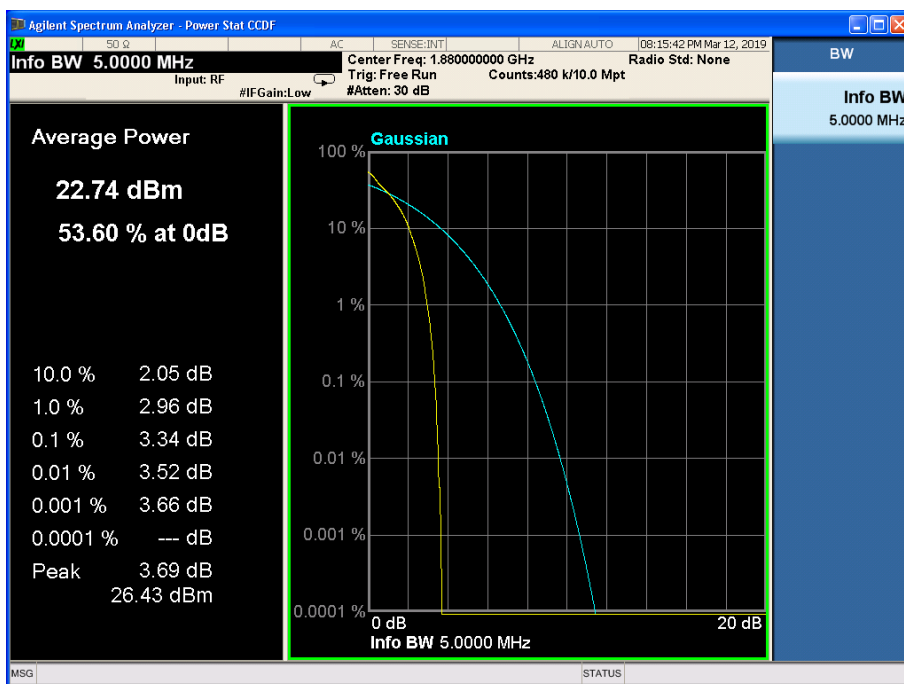
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 2-mid Channel)



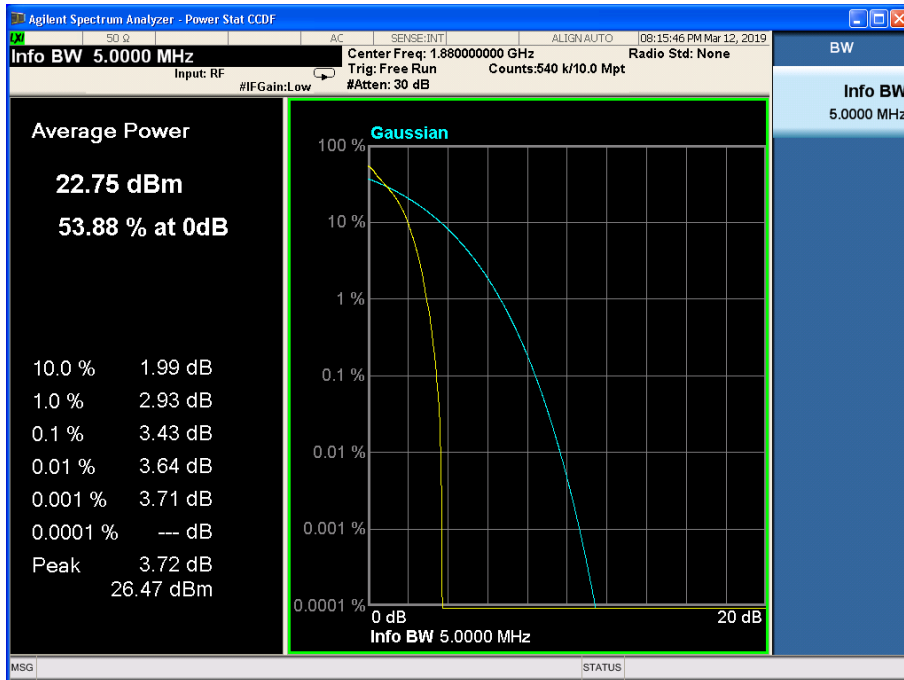
Peak-Average Ratio Plot(3MHz BW,64QAM,Band 2-mid Channel)



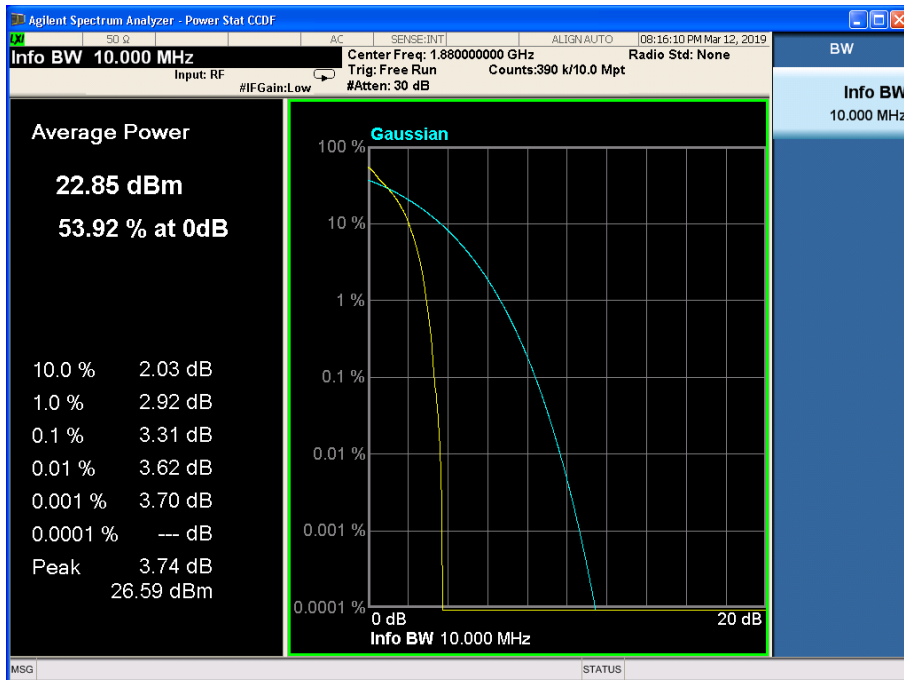
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 2-mid Channel)



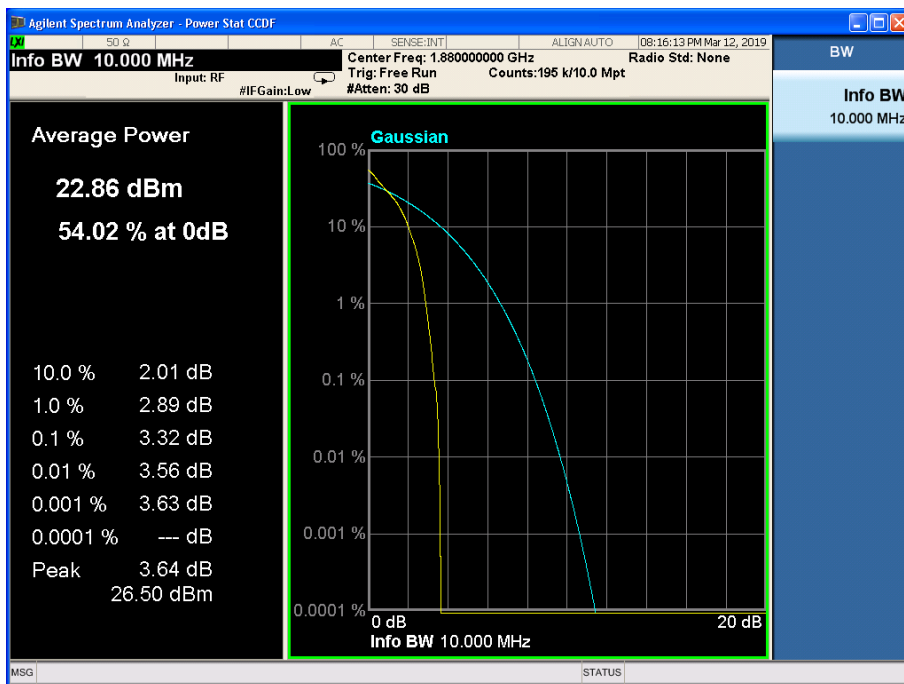
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 2-mid Channel)



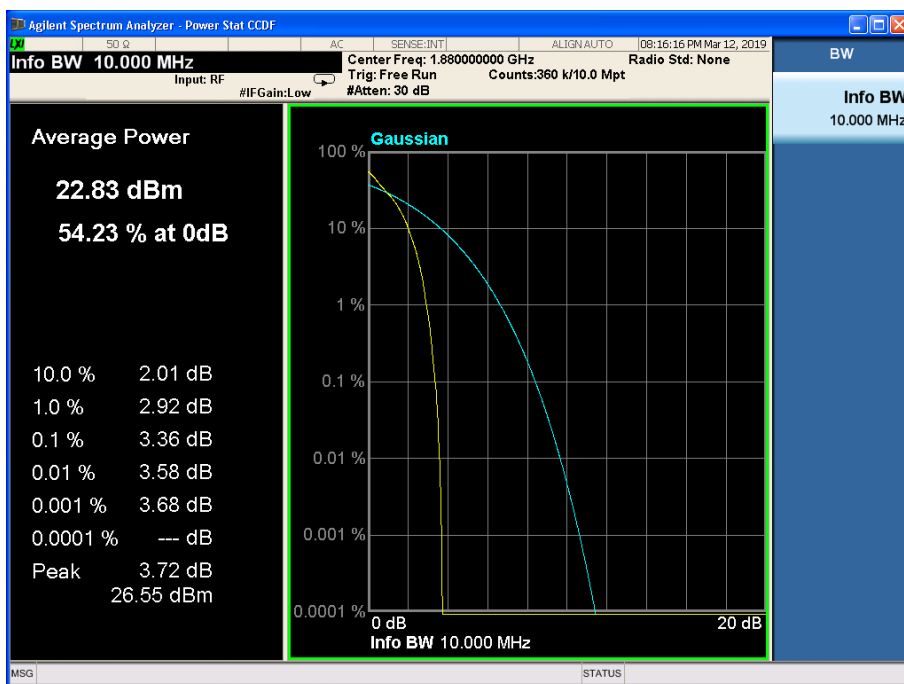
Peak-Average Ratio Plot(5MHz BW,64QAM,Band 2-mid Channel)



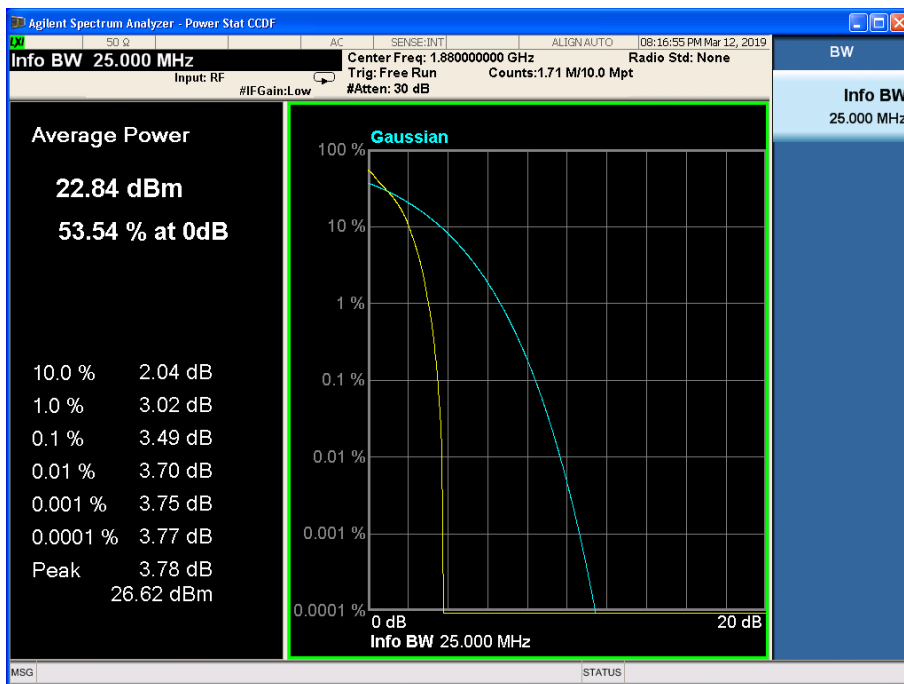
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 2-mid Channel)



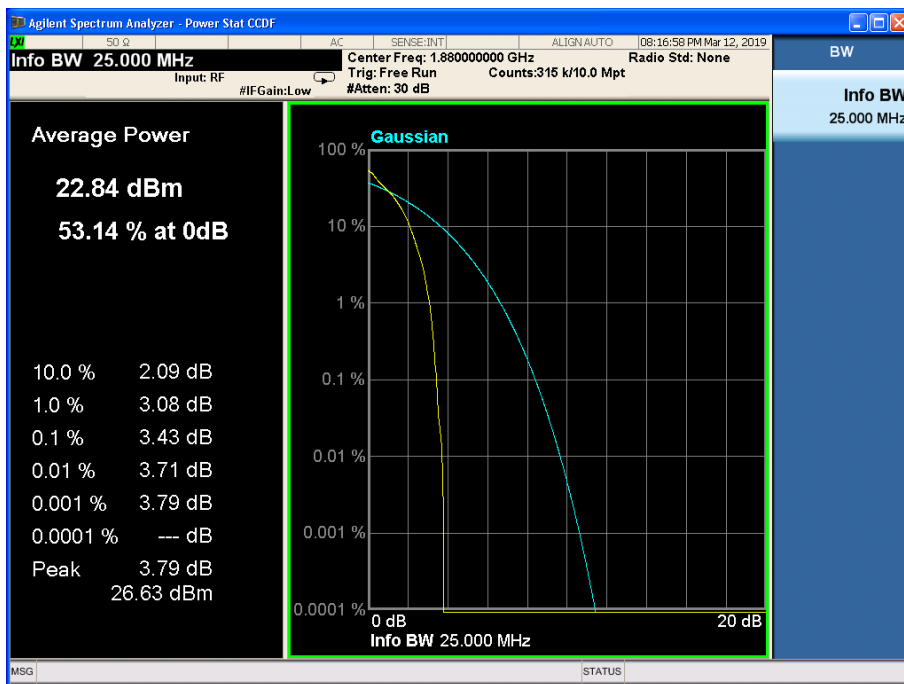
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 2-mid Channel)



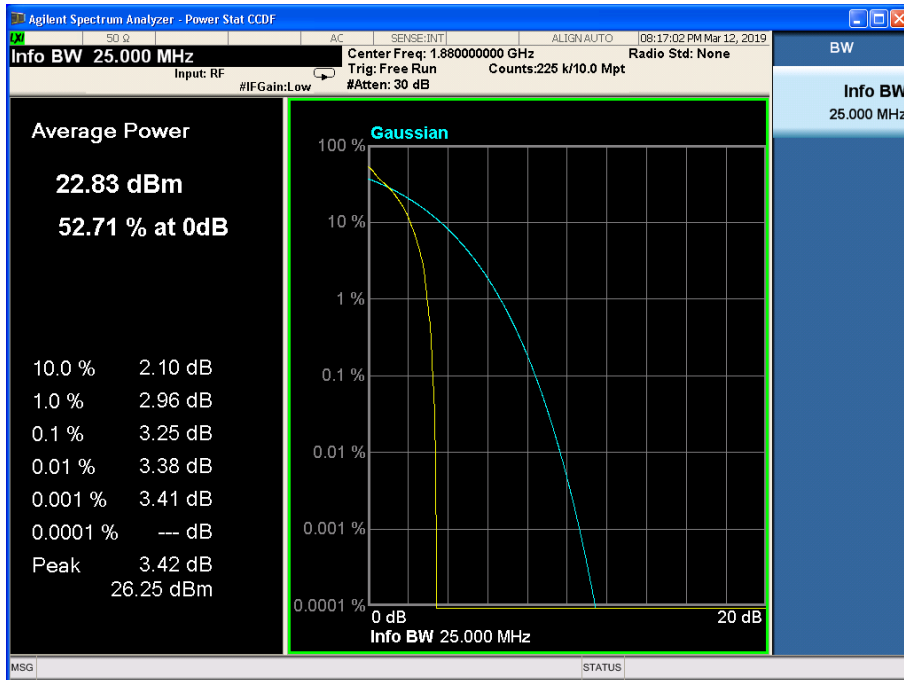
Peak-Average Ratio Plot(10MHz BW,64QAM,Band 2-mid Channel)



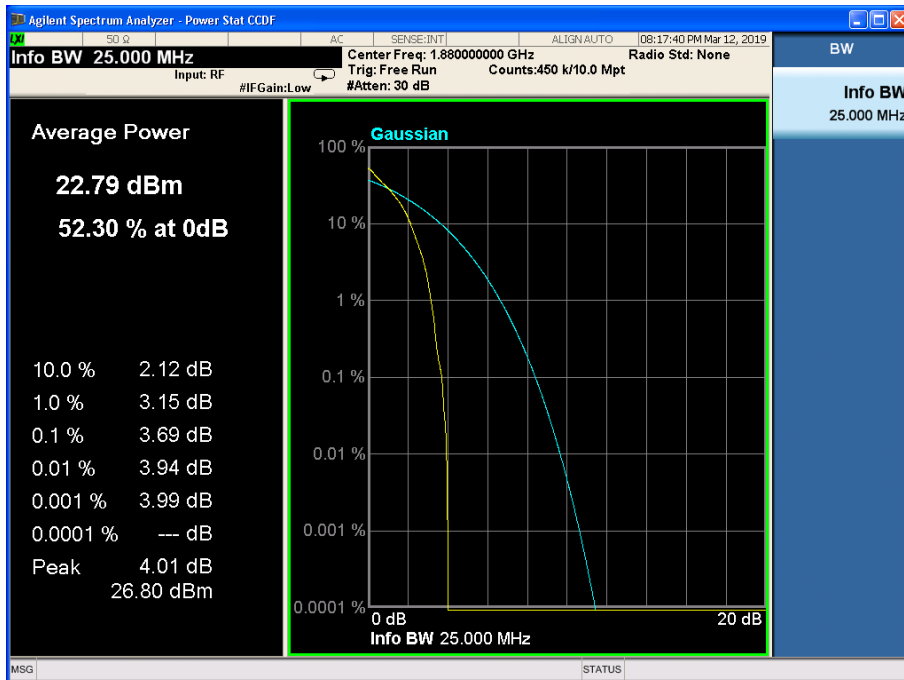
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 2-mid Channel)



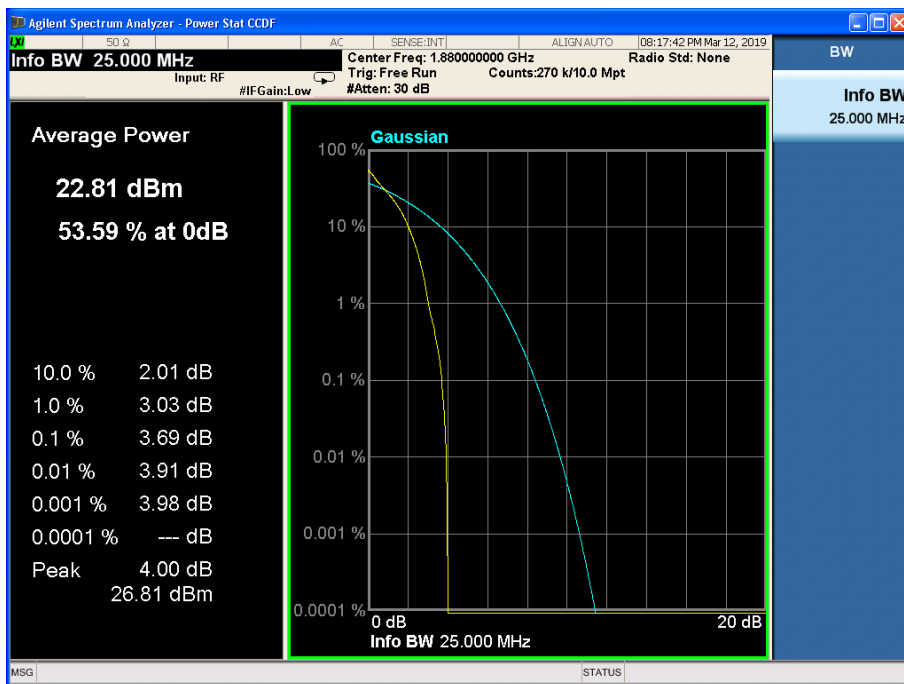
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 2-mid Channel)



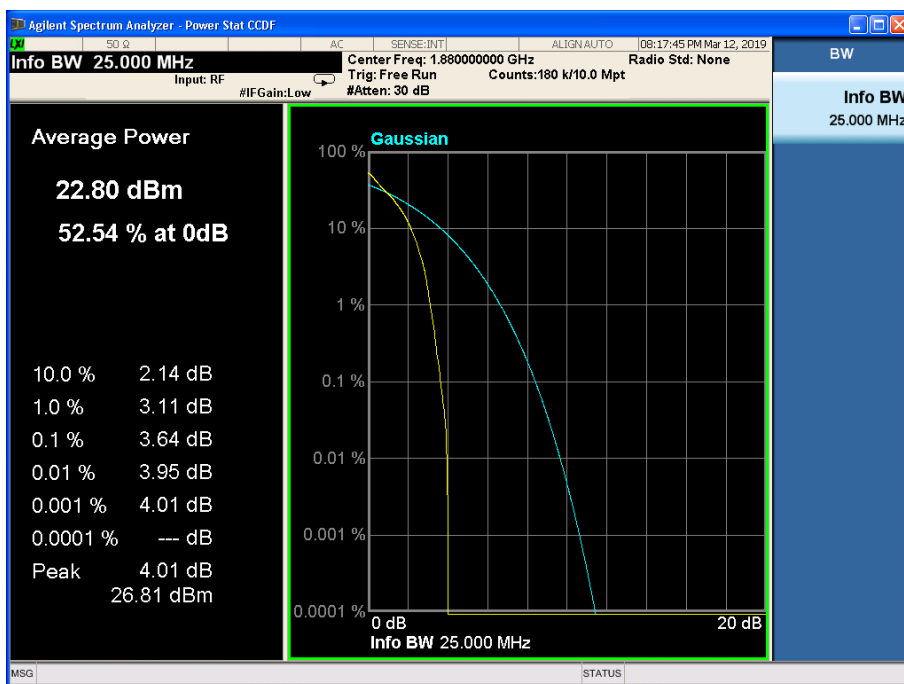
Peak-Average Ratio Plot(15MHz BW,64QAM,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,64QAM,Band 2-mid Channel)

4 Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|--------------|----|---------|-----------|-------------------------|
| | | | | | | QPSK |
| 2 | 1860 | 18700 | 20 | 1 | 0 | Fig.1 |

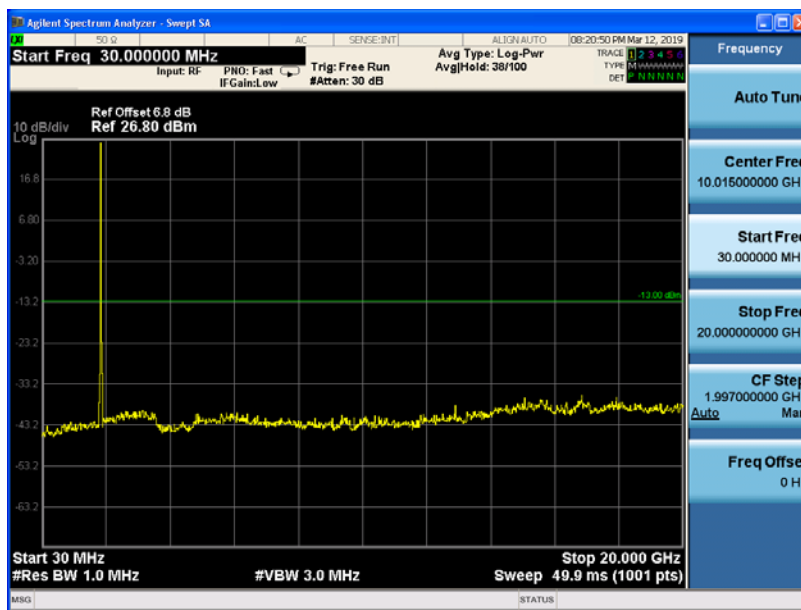


Fig.1

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|--------------|----|---------|-----------|-------------------------|
| | | | | | | QPSK |
| 2 | 1880 | 18900 | 20 | 1 | 0 | Fig.1 |

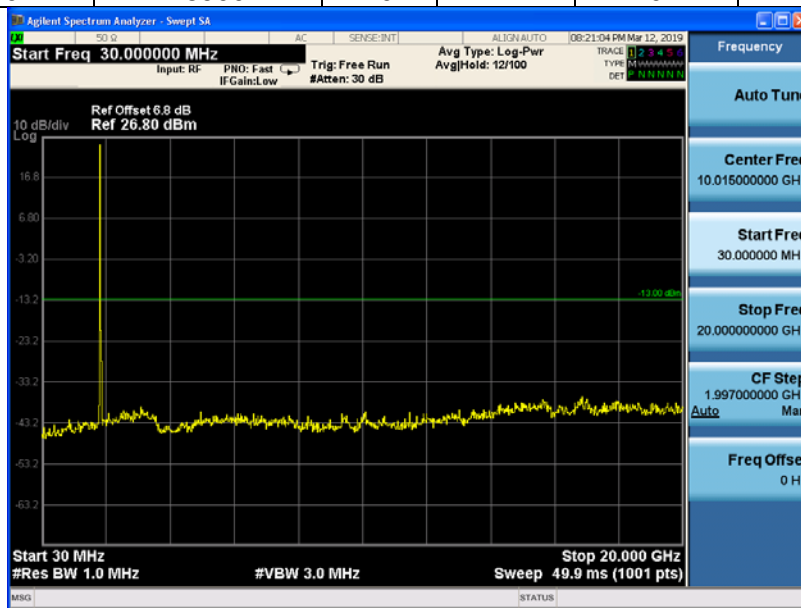


Fig.1

| Band | Carrier frequency (MHz) | Channel(Low) | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|--------------|----|---------|-----------|-------------------------|
| | | | | | | QPSK |
| 2 | 1900 | 19100 | 20 | 1 | 0 | Fig.1 |

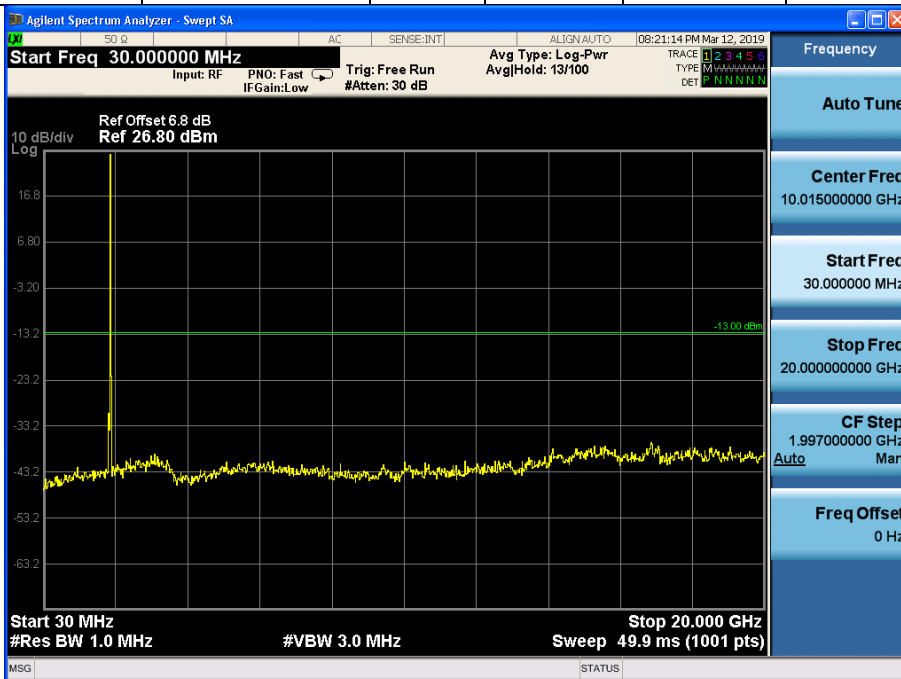


Fig.1

5 Band Edges Compliance

Test result

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|-----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1850.7 | 18607 | 1.4 | 1 | 0 | Fig.1 |
| | | | | 6 | 0 | Fig.4 |

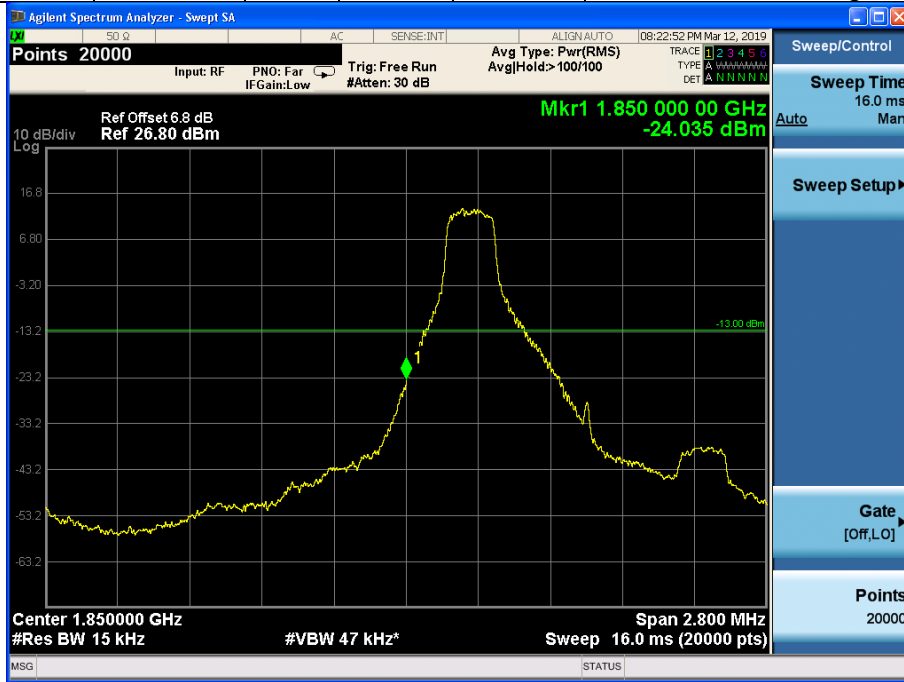


Fig.1

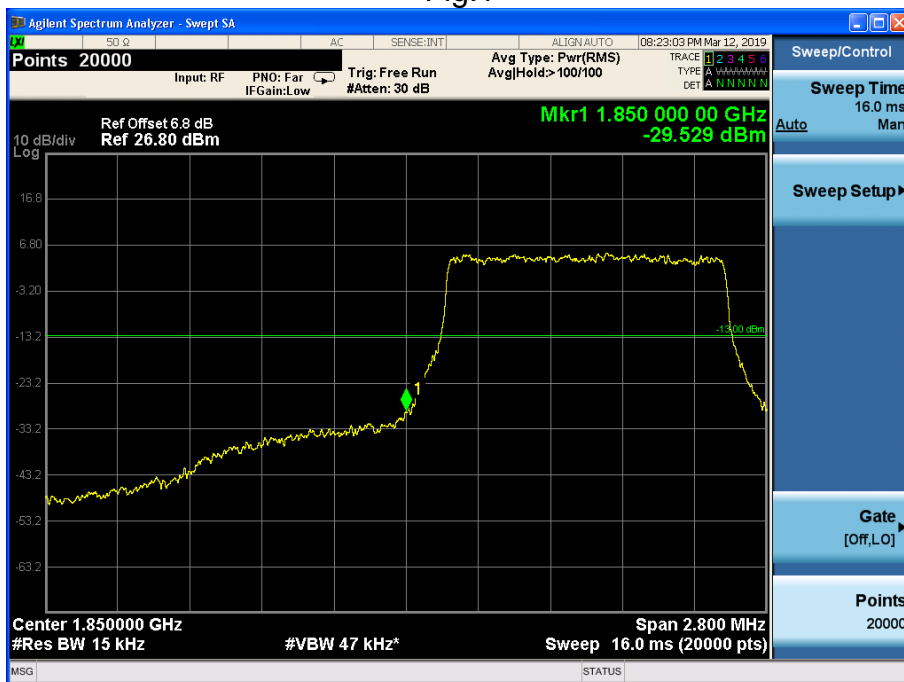


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|-----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1909.3 | 19193 | 1.4 | 1 | 5 | Fig.1 |
| | | | | 6 | 0 | Fig.4 |

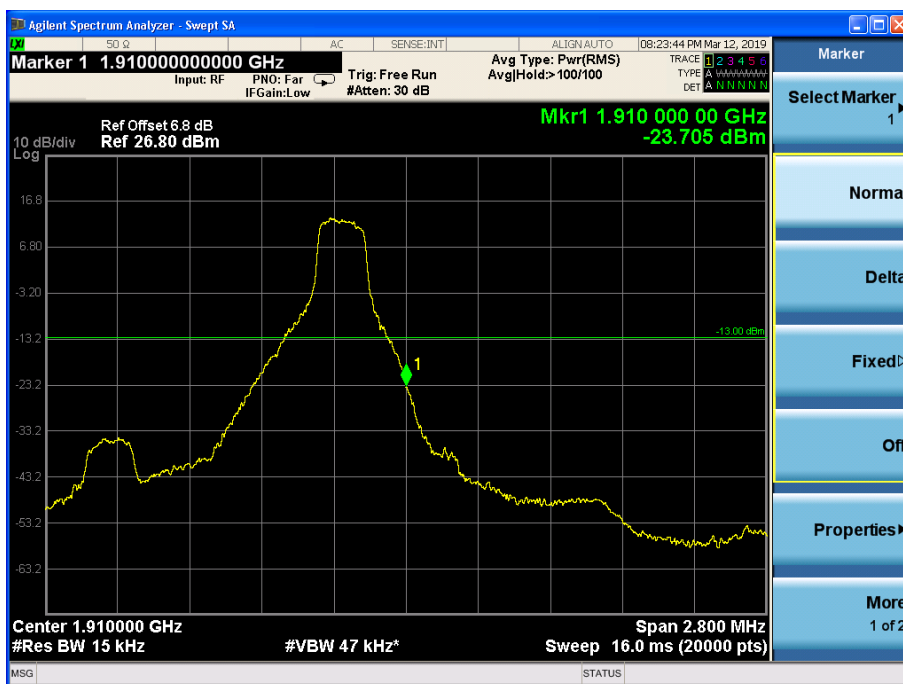


Fig.1



Fig.4

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1851.5 | 18615 | 3 | 1 | 0 | Fig.1 |
| | | | | 15 | 0 | Fig.4 |

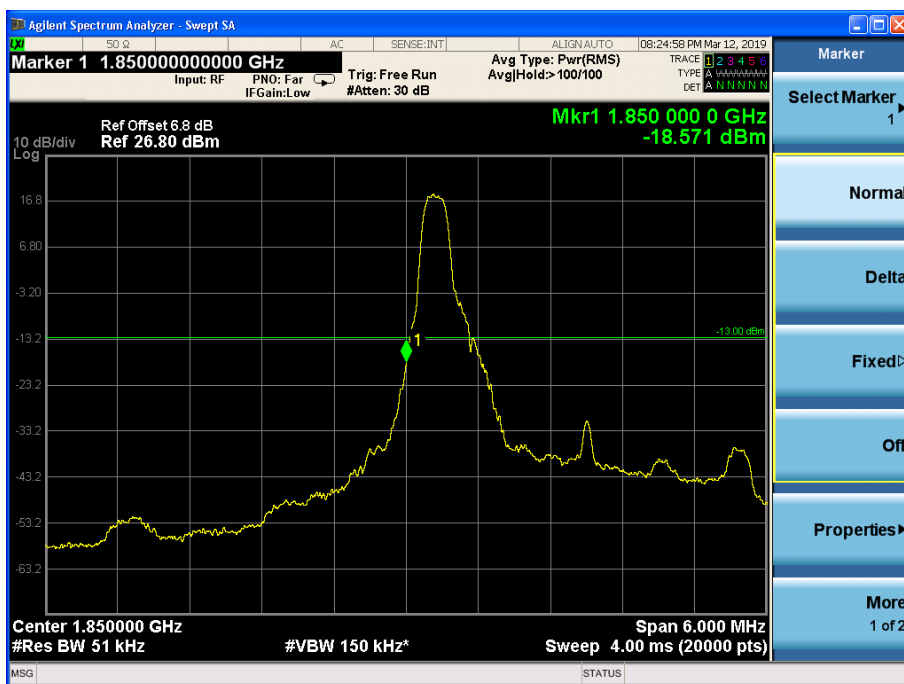


Fig.1

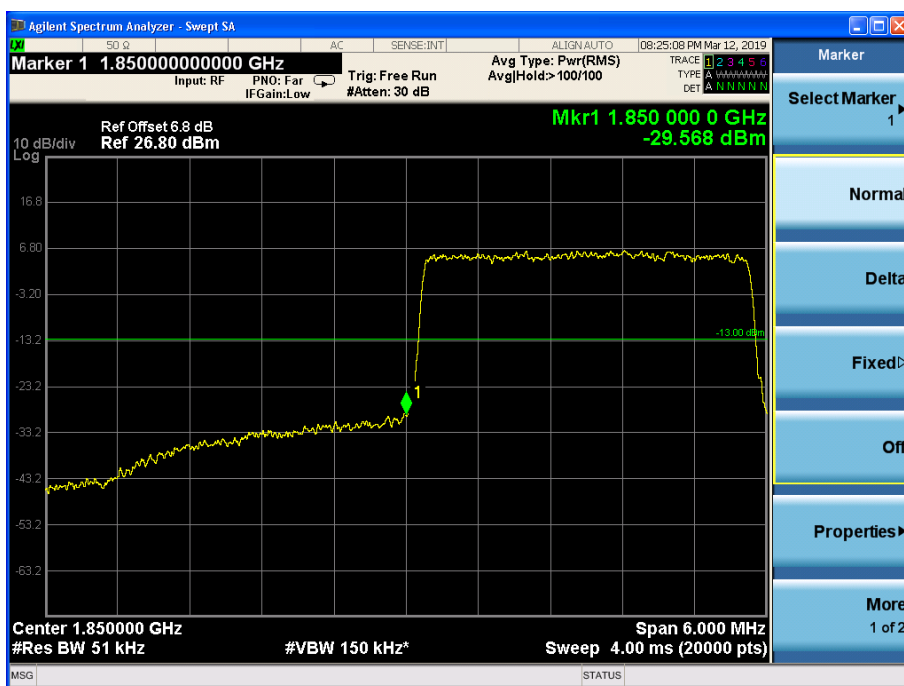


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1908.5 | 19185 | 3 | 1 | 14 | Fig.1 |
| | | | | 15 | 0 | Fig.4 |



Fig.1



Fig.4

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1852.5 | 18625 | 5 | 1 | 0 | Fig.1 |
| | | | | 25 | 0 | Fig.4 |

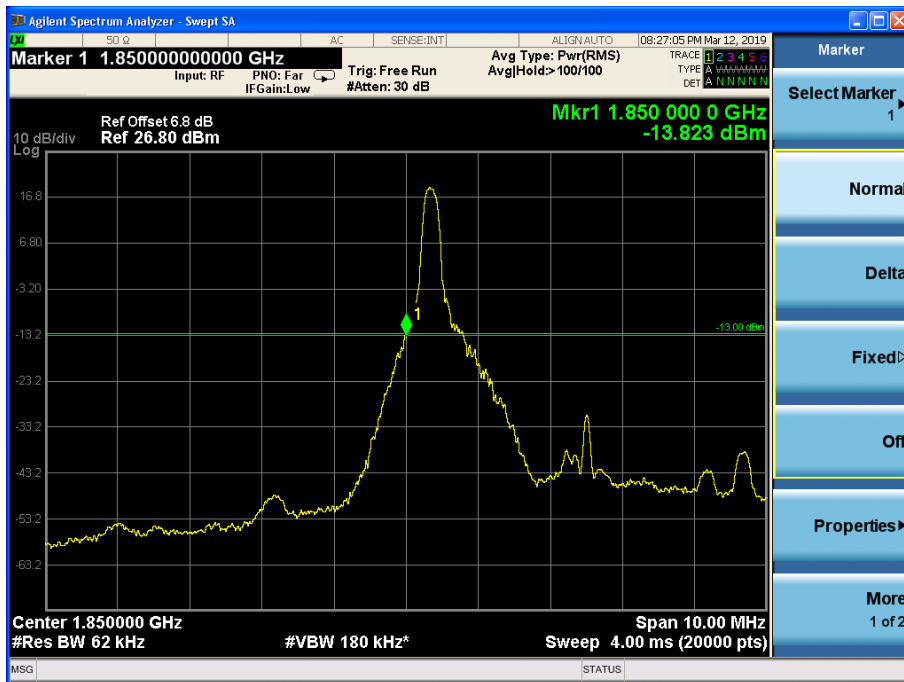


Fig.1

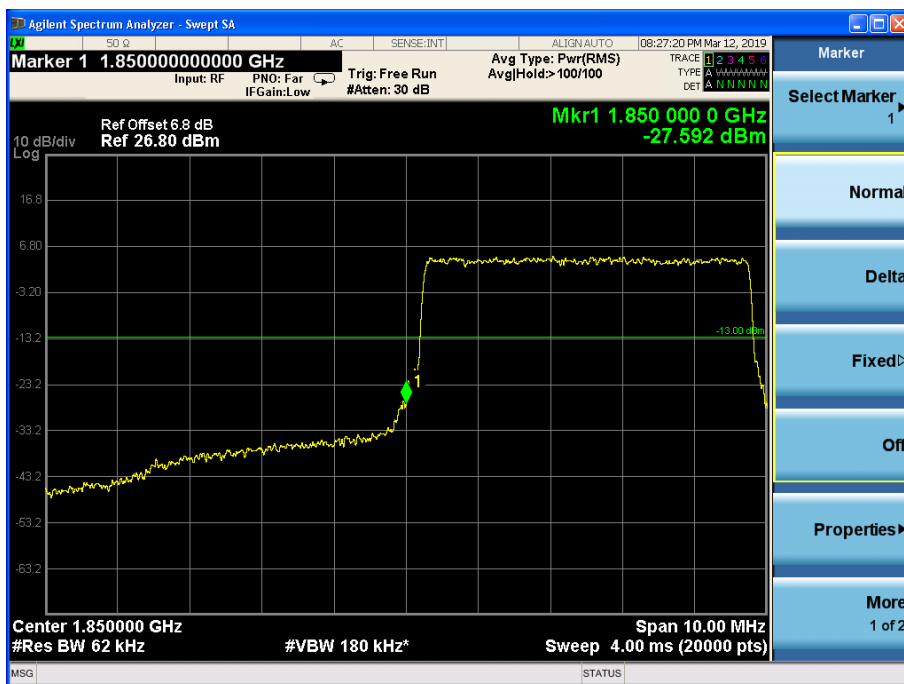


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1907.5 | 19175 | 5 | 1 | 24 | Fig.1 |
| | | | | 25 | 0 | Fig.4 |

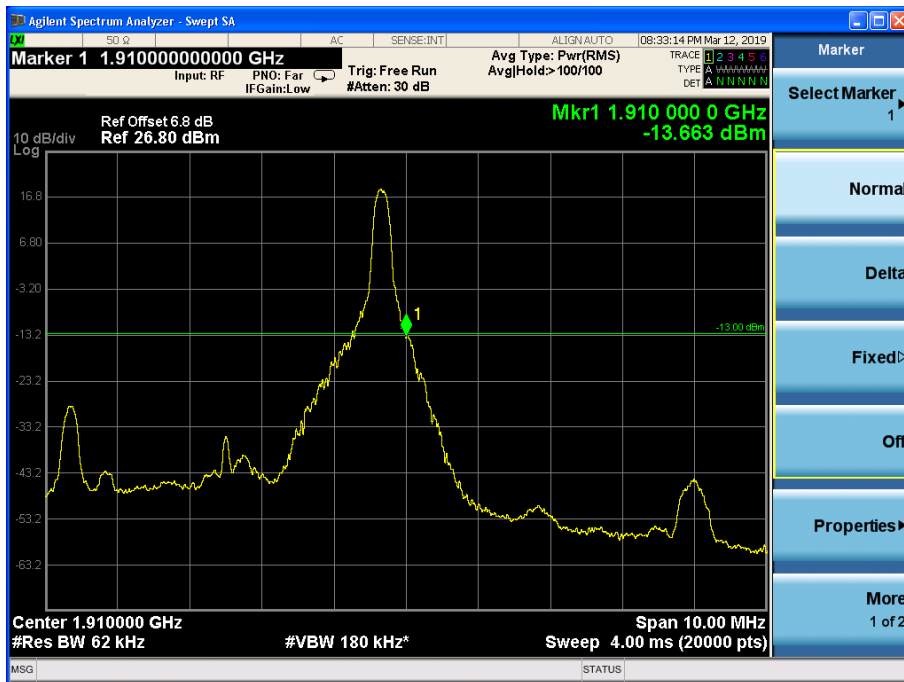


Fig.1

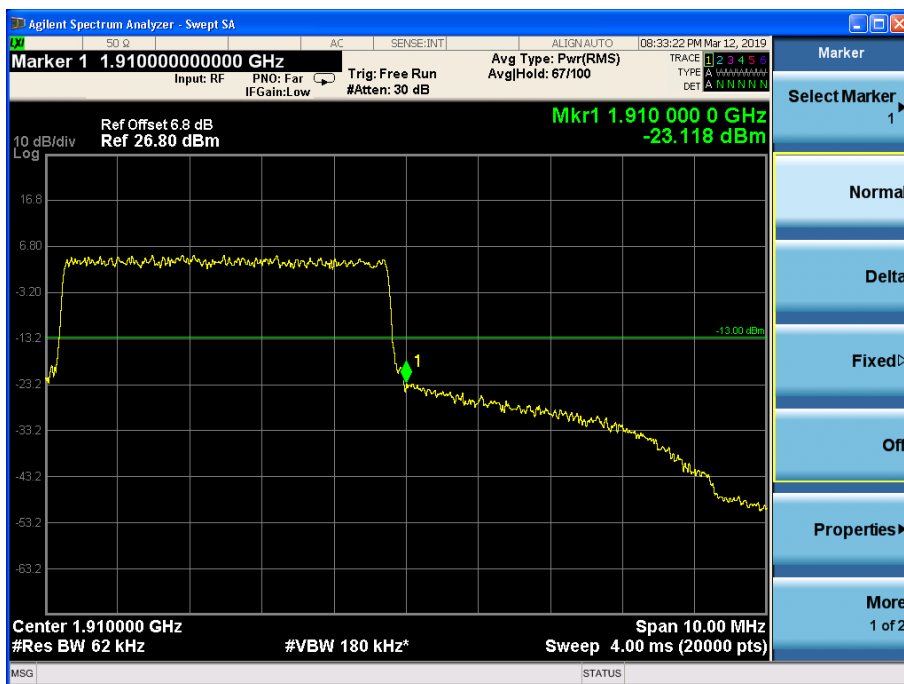


Fig.4

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1855 | 18650 | 10 | 1 | 0 | Fig.1 |
| | | | | 50 | 0 | Fig.4 |

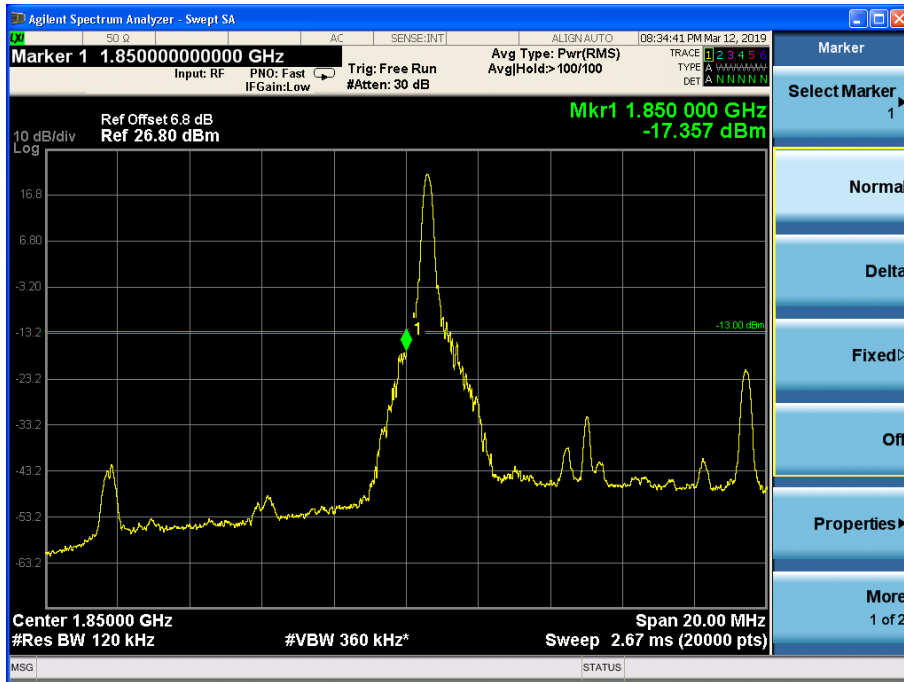


Fig.1

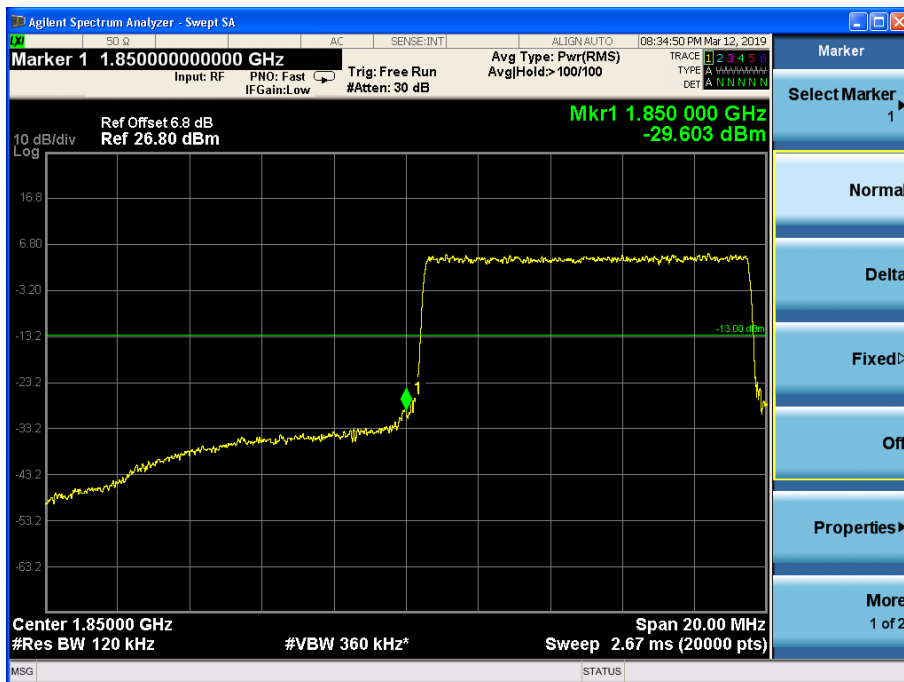


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1905 | 19150 | 10 | 1 | 49 | Fig.1 |
| | | | | 50 | 0 | Fig.4 |

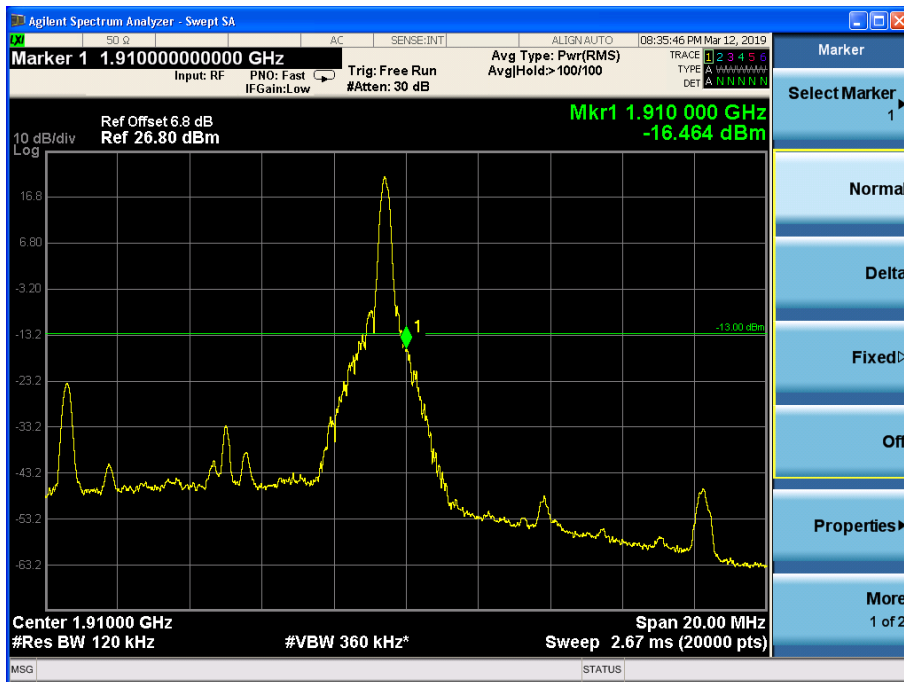


Fig.1

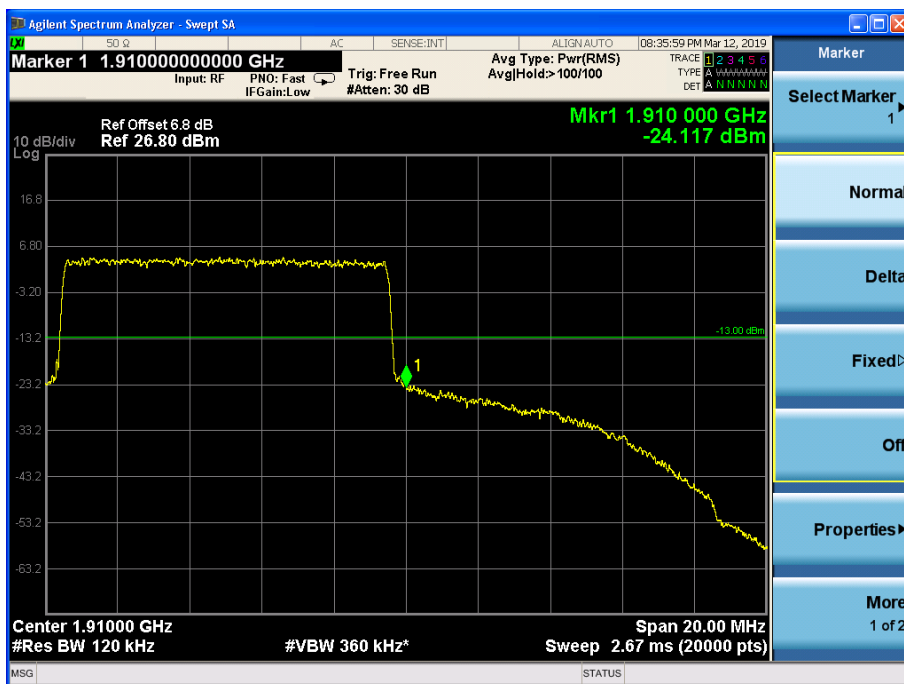


Fig.4

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1857.5 | 18675 | 15 | 1 | 0 | Fig.1 |
| | | | | 75 | 0 | Fig.4 |

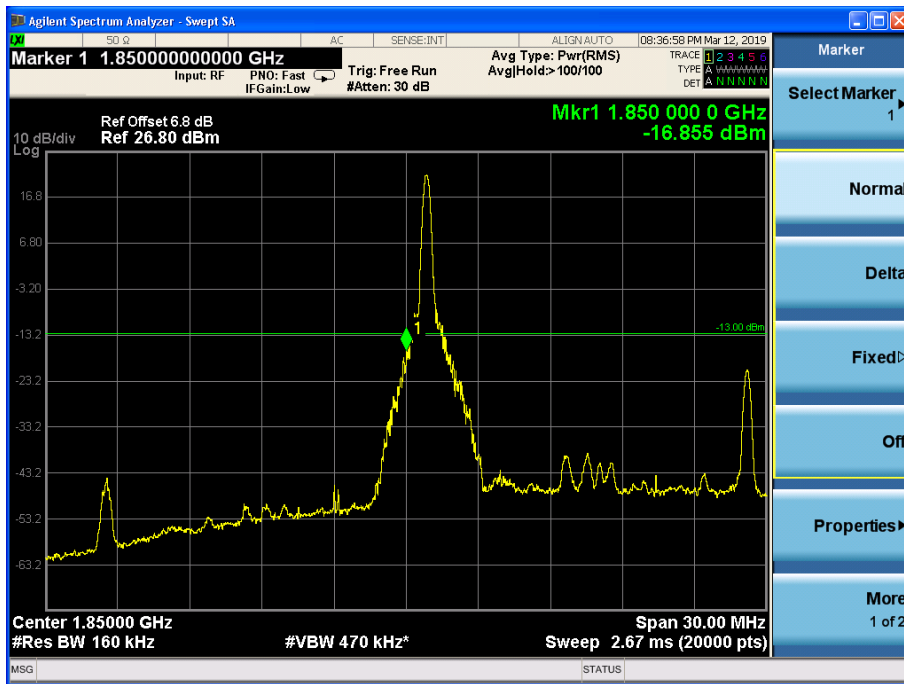


Fig.1

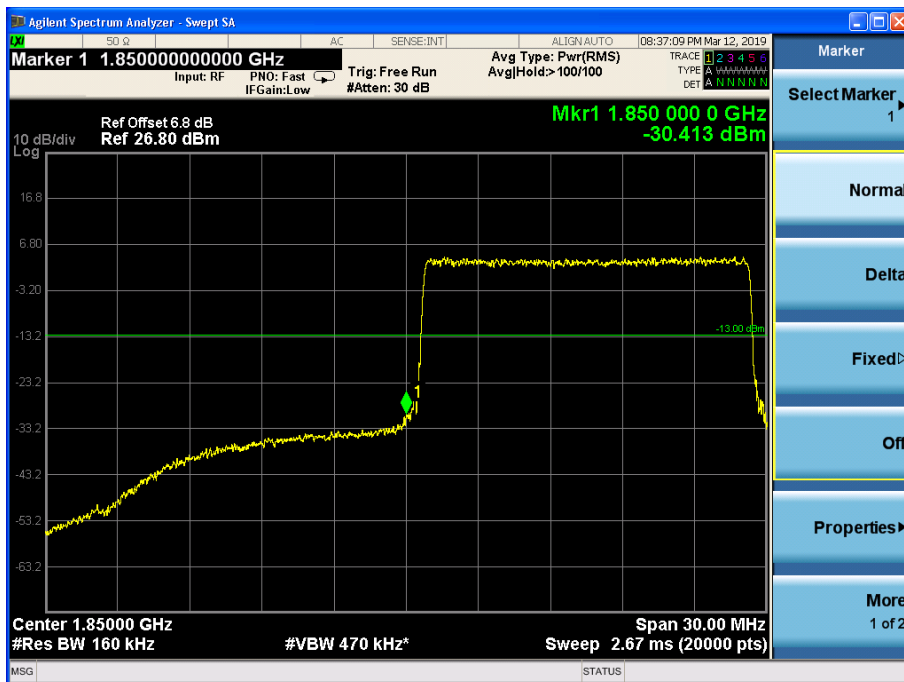


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1902.5 | 19125 | 15 | 1 | 74 | Fig.1 |
| | | | | 75 | 0 | Fig.4 |

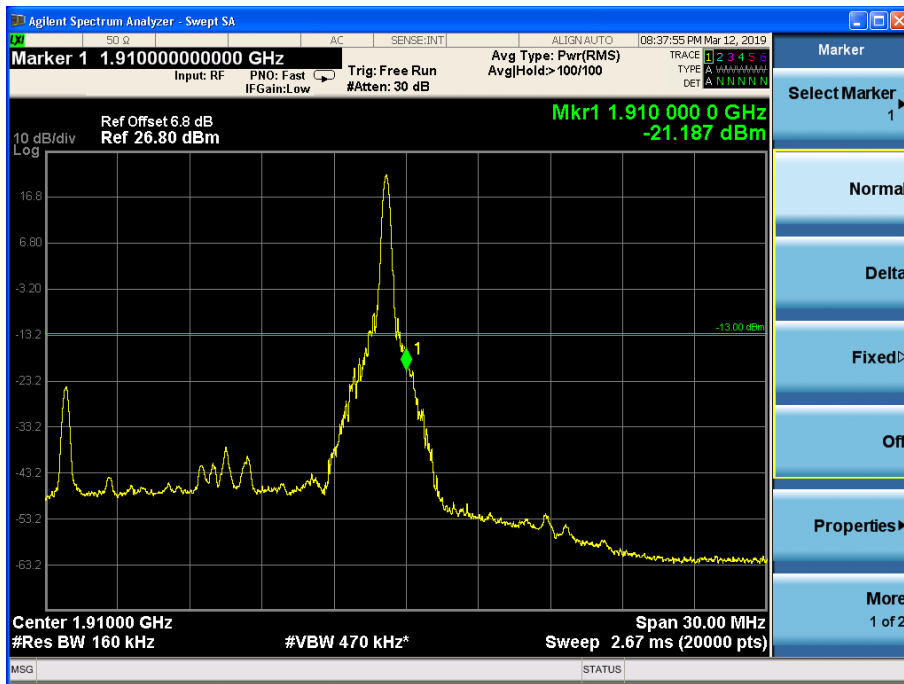


Fig.1

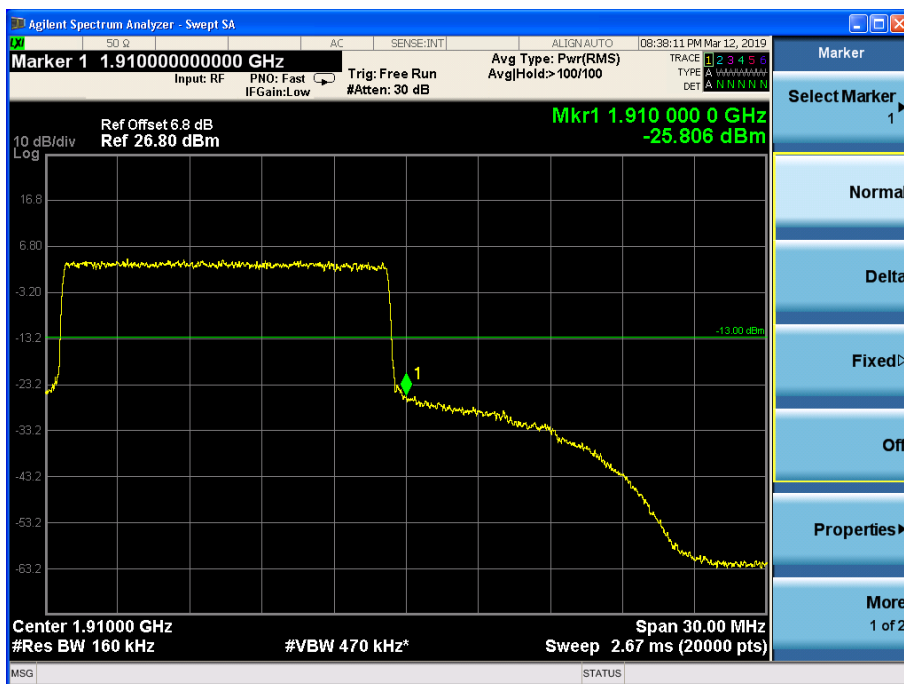


Fig.4

| Band | Carrier frequency (MHz) | Channel (Low) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1860 | 18700 | 20 | 1 | 0 | Fig.1 |
| | | | | 100 | 0 | Fig.4 |

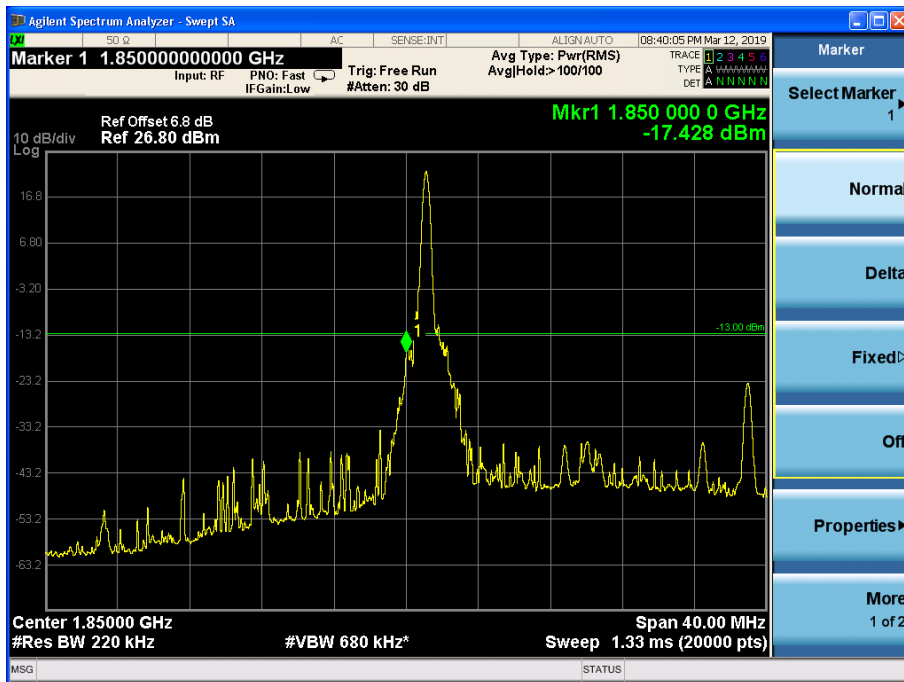


Fig.1

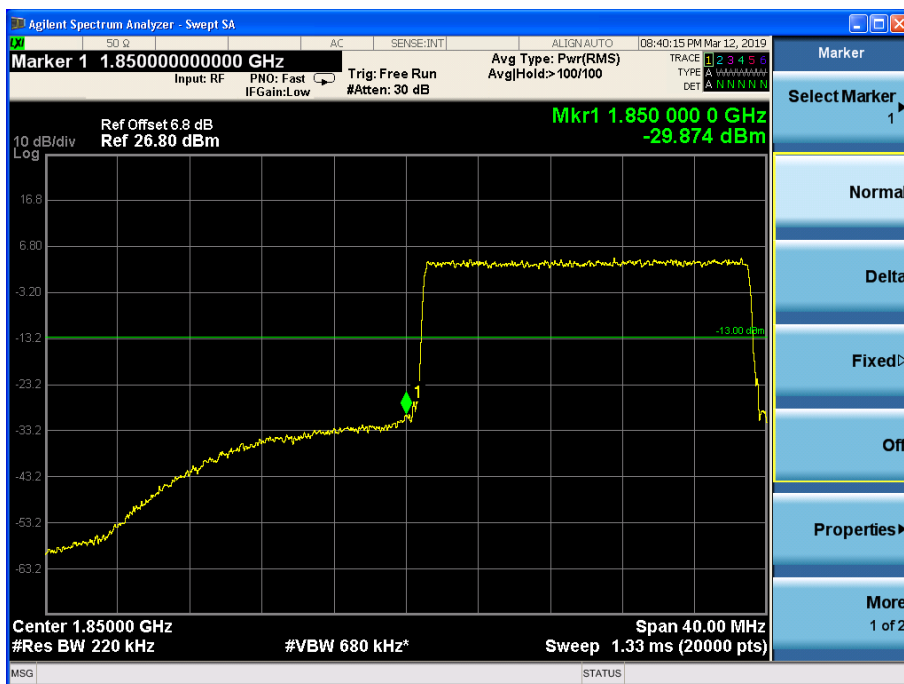


Fig.4

| Band | Carrier frequency (MHz) | Channel (High) | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|----------------|----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 2 | 1900 | 19100 | 20 | 1 | 99 | Fig.1 |
| | | | | 100 | 0 | Fig.4 |

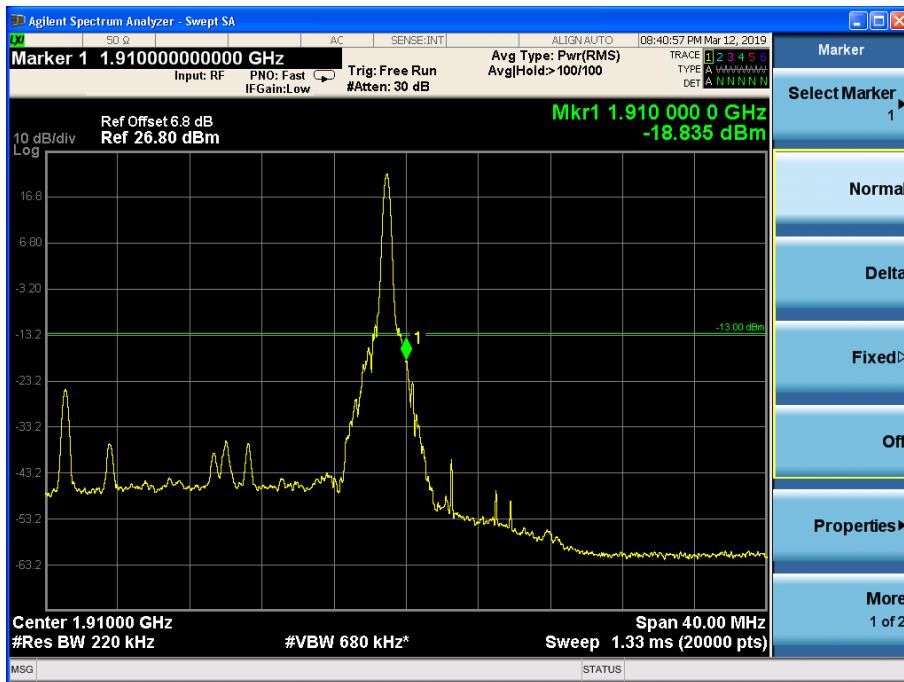


Fig.1

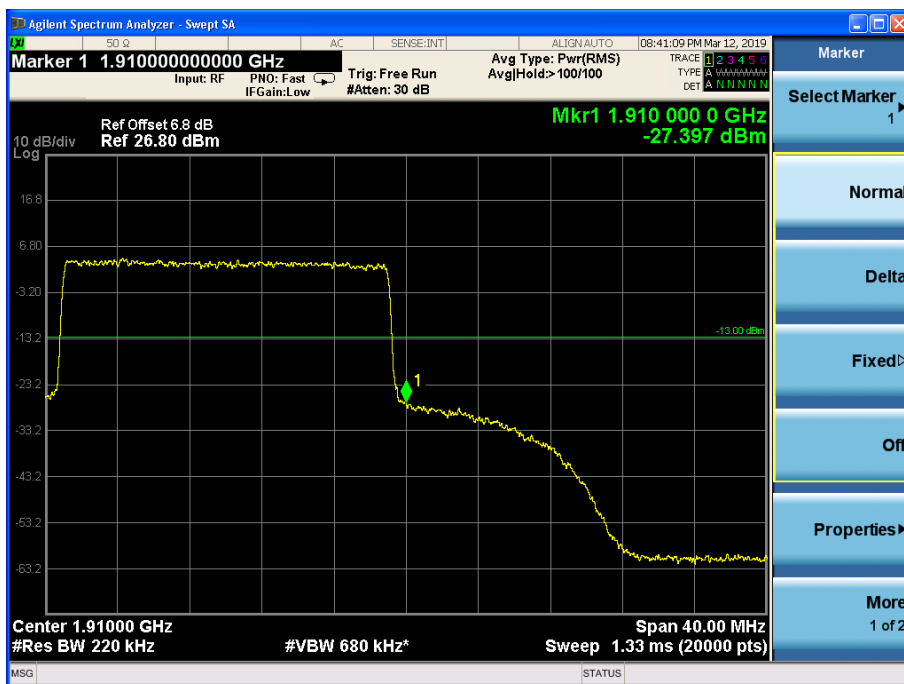


Fig.4

6 Frequency Stability

Test result:

| Temperature(°C) | Voltage | Test Result (ppm) Band2 Low Channel | | | | | |
|-----------------|---------|-------------------------------------|-------|-------|-------|-------|-------|
| | | 1.4M | 3M | 5M | 10M | 15M | 20M |
| -10 | NV | 0.102 | 0.001 | 0.023 | 0.119 | 0.136 | 0.096 |
| 0 | NV | 0.004 | 0.026 | 0.011 | 0.110 | 0.009 | 0.118 |
| +10 | NV | 0.021 | 0.058 | 0.086 | 0.028 | 0.064 | 0.117 |
| +20 | NV | 0.015 | 0.048 | 0.074 | 0.042 | 0.016 | 0.116 |
| +30 | NV | 0.102 | 0.107 | 0.011 | 0.064 | 0.040 | 0.068 |
| +40 | NV | 0.067 | 0.020 | 0.002 | 0.119 | 0.058 | 0.025 |
| +50 | NV | 0.065 | 0.018 | 0.148 | 0.019 | 0.099 | 0.047 |
| +55 | NV | 0.032 | 0.067 | 0.073 | 0.007 | 0.138 | 0.058 |
| +20 | LV | 0.043 | 0.004 | 0.077 | 0.068 | 0.135 | 0.038 |
| +20 | HV | 0.094 | 0.101 | 0.125 | 0.086 | 0.043 | 0.067 |

| Temperature(°C) | Voltage | Test Result (ppm) Band2 High Channel | | | | | |
|-----------------|---------|--------------------------------------|-------|-------|-------|-------|-------|
| | | 1.4M | 3M | 5M | 10M | 15M | 20M |
| -10 | NV | 0.056 | 0.090 | 0.061 | 0.031 | 0.032 | 0.135 |
| 0 | NV | 0.070 | 0.049 | 0.105 | 0.005 | 0.097 | 0.157 |
| +10 | NV | 0.006 | 0.098 | 0.146 | 0.017 | 0.111 | 0.001 |
| +20 | NV | 0.108 | 0.103 | 0.088 | 0.026 | 0.098 | 0.067 |
| +30 | NV | 0.081 | 0.011 | 0.091 | 0.092 | 0.050 | 0.111 |
| +40 | NV | 0.032 | 0.104 | 0.053 | 0.083 | 0.015 | 0.150 |
| +50 | NV | 0.107 | 0.004 | 0.107 | 0.100 | 0.012 | 0.111 |
| +55 | NV | 0.108 | 0.071 | 0.085 | 0.118 | 0.087 | 0.049 |
| +20 | LV | 0.104 | 0.011 | 0.088 | 0.006 | 0.025 | 0.053 |
| +20 | HV | 0.067 | 0.049 | 0.066 | 0.043 | 0.129 | 0.086 |