



LTE(CV2X)_10 M_CSE(Above10G)_Low_QPSK_1RB





LTE(CV2X)_10 M_CSE(Above10G)_ Mid_QPSK_1RB





LTE(CV2X)_10 M_CSE(Above10G)_ High_QPSK_1RB





LTE(CV2X)_20 M_CSE(Above10G)_Low_QPSK_1RB





LTE(CV2X)_20 M_CSE(Above10G)_ Mid_QPSK_1RB





LTE(CV2X)_20 M_CSE(Above10G)_ High_QPSK_1RB



| Spectrum Analy Swept SA | rzer 1 📊 🕂 | | | | | SCPI | Frequen | oy 🔻 🔣 |
|---------------------------------|--|---|---|---|-------------------------------|---|-------------------------------------|----------|
| KEYSIGHT RL ↔ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: F Trig: Free Ru | Power (RMS 1 2 3 4 5 6 in A WWWWW A A A A A A A | Center Frequency 5.895000000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d | B | | Ref LvI Offset 25.4 Ref Level 25.00 dB | | Mkr | 1 5.895 000 GHz -32.400 dBm | | |
| 15.0 | | | | | | | Full Span | |
| -5.00 | | | | | | | Start Freq 5.893000000 GHz | |
| -15.0 | | | | | | OL 1 -16.00 dBm. | Stop Freq 5.897000000 GHz | |
| -25.0 | | | 1 | | | | AUTO TUNE | |
| -35.0 | | | | | | | CF Step 400.000 kHz Auto | |
| -55.0 | | | | | | | Man Freq Offset | |
| -65.0 | | | | | | | 0 Hz | Local |
| Center 5.89500 #Res BW 100 k | | | #Video BW 300 k | Hz | #Sw | Span 4.000 MHz veep ~5.03 s (1001 pts) | | |
| ま | | Mar 18, 2025 2:51:01 AM | | | | | Signal Track (Span Zoom) | |

LTE(CV2X)_10 M_BandEdge_Low_QPSK_FullRB





| Spectrum Analy Swept SA | /zer 1 + | | | | | | SCPI | \$ | Frequency | - * 影 |
|-------------------------------------|--|---|---|---|---------------------------------|-------------------------|-------------------------|----------------------|-----------------------------------|----------|
| KEYSIGHT RL +++ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Po Trig: Free Run | A | 2 3 4 5 6 | 5.8920 | Frequency 00000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr1 | 5.894 0 -24.2 | 00 GHz 09 dBm | = s | 0000 MHz wept Span ero Span | |
| -10.0 | | | | | | DI | c1 -13.00 dBm | F | ull Span | |
| -20.0 | | | | | | | 1 | Start Fre 5.8900 | eq 000000 GHz | |
| -30.0 | | | | | | | | Stop Fre 5.8940 | eq 100000 GHz | |
| -50.0 | | | | | | | | AU | JTO TUNE | |
| -60.0 | | | | | | | | CF Step 400.00 | 0 kHz | |
| -80.0 | | | | | | | | | uto Ian | |
| -90.0 | | | | | | | | 0 Hz | | Local |
| Start 5.890000 #Res BW 1.0 N | | | #Video BW 3.0 Mi | Hz | #Swe | Stop 5.8 eep ~5.03 s | 94000 GHz (1001 pts) | | Scale og in | |
| ۱ | ~ 🗖 ? | Mar 18, 2025 2:51:25 AM | | | | | | Signal T (Span Zo | Track | |

LTE(CV2X)_10 M_BandEdge(1)_Low_QPSK_FullRB





| Spectrum Analy Swept SA | /zer 1 🕇 🕇 | | | | | | SCPI | \$ | Frequency | 1 影 |
|-------------------------------------|---|--|---|---|---------------------------------|---|--------------------------|-----------------------|-----------------------------------|----------|
| KEYSIGHT RL ↔→→ | Input: RF Coupling: DC Align: Auto | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Po Trig: Free Run | | 23456 WWWWW AAAAAA | 5.87750 | Frequency 00000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr1 | | 975 GHz 55 dBm | Sv | 0000 MHz wept Span ero Span | |
| -10.0 | | | | | | c | L1 -16.00 dBm | FI | ull Span | |
| -20.0 | | | | | | | 1 | Start Fre 5.86500 | eq 00000 GHz | |
| -30.0 | | | | | | | | Stop Fre 5.89000 | eq 00000 GHz | |
| -50.0 | and the state of the | and the second | te and the second second second | and the second | | | | AU | TO TUNE | |
| -60.0 | | | | | | | | CF Step 2.50000 | | |
| -70_0 | | | | | | | | Au Ma | uto an | |
| -90.0 | | | | | | | | Freq Off 0 Hz | íset | |
| Start 5.86500 0 #Res BW 1.0 N | | | #Video BW 3.0 Mł | Hz | #Sw | | 89000 GHz (1001 pts) | X Axis S Lo Li | bg | Local |
| 1 | ? 🗖 🔊 | Mar 18, 2025 2:51:48 AM | | | | | | Signal Ti (Span Zo | | |

LTE(CV2X)_10 M_BandEdge(2)_Low_QPSK_FullRB







LTE(CV2X)_10 M_BandEdge(3)_Low_QPSK_FullRB





| Spectrum Analy Swept SA | zer 1 , 🕂 | | | | | SCPI | ₽ | Frequency | ▼ S¹/₂ |
|---------------------------------|--|---|---|---|------------------------------|---|--------------------------------------|---------------------------|--|
| KEYSIGHT RL ↔→→ | Input: RF Coupling: DC Align: Auto | Input Ζ: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: I Trig: Free R | Power (RMS123456 un AWWWWW AAAAAA | Center Fre 5.8950000 | | Settings |
| 1 Spectrum Scale/Div 10 dl | B | | Ref LvI Offset 25.4 Ref Level 25.00 dB | | Mkr | 1 5.895 000 GHz -32.149 dBm | | 00 MHz ot Span Span | |
| 15.0 | | | | | \bigcap | | | Span | |
| -5.00 | | | | | | | Start Freq 5.8930000 Stop Freq | 000 GHz | |
| -15.0 | | | | | | DL1-16.00 dBm | 5.8970000 | | |
| -35.0 | | | 1. | | | | CF Step | TUNE | |
| -45.0 | | | | | | | 400.000 k Auto Man | 2793-83 | |
| -65.0 | | | | | | | Freq Offset 0 Hz | | Local |
| Center 5.89500 #Res BW 100 k | | | #Video BW 300 k | Hz | #Sv | Span 4.000 MHz veep ~5.03 s (1001 pts) | X Axis Sca Log Lin | le | |
| 1 | | Mar 18, 2025 2:52:52 AM | | | | | Signal Trac (Span Zoom | | |

LTE(CV2X)_10 M_BandEdge_Low_QPSK_1RB





| Spectrum Analy Swept SA | /zer 1 🕇 🕇 🕇 | | | | | | SCPI | \$ | Frequency | · • 器 |
|---------------------------------|--|---|---|---|----------------------------------|--|------------------|---|------------------------|----------|
| KEYSIGHT RL +→• ₩ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pov Trig: Free Run | wer (RMS <mark>12</mark> 3 A \\\ A A A | www | Second Second Second | Frequency 00000 GHz | Settings |
| 1 Spectrum | х¢ | F | Ref LvI Offset 25.40 |) dB | Mkr1 | 5.894 000 | | and the second se | 0000 MHz | |
| Scale/Div 10 d | B | F | Ref Level 0.00 dBm | 1 | | -27.041 | dBm | | vept Span ero Span | |
| -10.0 | | | | | | 011-13 | 00 dBm | F | ull Span | |
| -20.0 | | | | | | | 1 | Start Fre 5.89000 | eq 00000 GHz | |
| -30.0 | | | | | | | | Stop Fre 5.89400 | eq 00000 GHz | |
| -50.0 | | | | | | | | AU | | |
| -60.0 | | | | | | | | CF Step 400.000 | | |
| -70_0 | | | | | | | | AL Ma | | |
| -80.0 | | | | | | | | Freq Off 0 Hz | set | |
| Start 5.890000 #Res BW 1.0 M | | | #Video BW 3.0 M | Hz | #Swee | Stop 5.89400 ep ~5.03 s (100 | 0 GHz)1 pts) | X Axis S Lo | yg . | Local |
| 5 | ? 🗖 🔊 | Mar 18, 2025 2:53:16 AM | | | | | X | Signal Ti (Sean Zo | | |

LTE(CV2X)_10 M_BandEdge(1)_Low_QPSK_1RB





| Spectrum Analy Swept SA | | | | | | | SCPI | \$ | Frequency | · * 絵 |
|-------------------------------------|--|---|---|---|----------------------------------|------------------------------|-----------------------|------------------------------|-------------------------------|----------|
| KEYSIGHT RL +++ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pow Trig: Free Run | A WW | 4 5 6 WWW A A A | Center Fr 5.87750 Span | requency 0000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr1 | 5.889 975 -39.388 | | 25.0000 Sw | 000 MHz ept Span o Span | |
| -10.0 | | | | | | DL1 -16 | .00 dBm | Fu | ll Span | |
| -20.0 | | | | | | | | Start Free 5.86500 | 9 0000 GHz | |
| -40.0 | | | | | | | 1 | Stop Free 5.89000 | 1 0000 GHz | |
| -50.0 | an yan yan ang mga kata sa | | | | | | | 100000 | O TUNE | |
| -60.0 | | | | | | | | CF Step 2.50000 Aut | 10.000000000 | |
| -80.0 | | | | | | | | Ma Freq Offs | n | |
| -90.0 | | | | | | | | 0 Hz X Axis So | ale | Local |
| Start 5.86500 0 #Res BW 1.0 N | | Mar 18, 2025 | #Video BW 3.0 MI | Hz | | Stop 5.8900 ep 5.00 s (10 | | Log Lin | | |
| | | 2:53:40 AM | $\square \Delta$ | | | | | Signal Tr (Span Zoo | | |

LTE(CV2X)_10 M_BandEdge(2)_Low_QPSK_1RB





| Spectrum Analy Swept SA | · · · · | | | | | | SCPI | \$ | Frequency | - * 🔆 |
|----------------------------------|--|---|--|---|----------------------------------|---|--------|------------------------------|----------------------|--------------|
| KEYSIGHT RL +++ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pow Trig: Free Run | er (RMS <mark>123</mark> A WW A A A A | www | Center Fr 5.85500 Span | requency 0000 GHz | Settings |
| 1 Spectrum | | F | Ref LvI Offset 25.40 |) dB | Mkr1 | 5.863 96 | GHz | and the second second second | 000 MHz | |
| Scale/Div 10 d | B | F | Ref Level 0.00 dBm | | | -51.433 c | lBm | | ept Span ro Span | |
| -10.0 | | | | | | | | Fu | ll Span | |
| -20.0 | | | | | | DL1 -28.0 | 00 dBm | Start Free 5.84500 | २ 0000 GHz | |
| -30.0 | | | | | | | | Stop Fred 5.86500 | । 0000 GHz | |
| -50.0 | and the second second second | torne there there and server a | and the second states of the | underland and the state of the | | | 1 | AUT | O TUNE | |
| -60.0 | | | | | | | | CF Step 2.00000 | 0 MHz | |
| -70.0 | | | | | | | | Aut Ma | | |
| -80.0 | | | | | | | | Freq Offs 0 Hz | et | |
| Start 5.84500 0 #Res BW 1.0 N | | | #Video BW 3.0 MI | Hz | #Swe | Stop 5.86500 ep 5.00 s (100 | | X Axis So Log Lin | 9 | Local |
| 5 | ? 🗆 ۲ | Mar 18, 2025 2:54:03 AM | | | | | X | Signal Tra (Span Zoo | | |

LTE(CV2X)_10 M_BandEdge(3)_Low_QPSK_1RB





LTE(CV2X)_10 M_BandEdge_High_QPSK_FullRB





| Spectrum Analyzer 1 Swept SA | • + | | | | SCPI | ‡ | Frequency | ▼ \$\frac{1}{25}\$ |
|---|----------------------------|---|---|-----------------------------------|---|---------------------------|---------------------------|--------------------|
| KEYSIGHT Input: R RL +++ Couplin Align: A | g DC Corr CCorr | #Atten: 20 dB Preamp: Off) µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Powe Trig: Free Run | r (RMS <mark>123456</mark> A WW WW W A A A A A A A | Center Fre 5.9280000 | | Settings |
| 1 Spectrum Scale/Div 10 dB | | Ref LvI Offset 25.4 Ref Level 0.00 dBn | | Mkr1 5 | .926 000 GHz -25.093 dBm | | 00 MHz ot Span Span | |
| -10.0 | | | | | DL1 -13.00 dBm | Full | Span | |
| -20.0 1 | | | | | RMS | Start Freq 5.9260000 | 00 GHz | |
| -40.0 | | | | | | Stop Freq 5.9300000 | 00 GHz | |
| -50.0 | | | | | | AUTO | TUNE | |
| -60.0 | | | | | | CF Step 400.000 kl | Hz | |
| -80.0 | | | | | | Auto Man | | |
| -90.0 | | | | | | Freq Offset 0 Hz | | |
| Start 5.926000 GHz #Res BW 1.0 MHz | | #Video BW 3.0 M | Hz | | Stop 5.930000 GHz ∼5.03 s (1001 pts) | X Axis Sca Log Lin | e | Local |
| 5 | Mar 18, 2025 3:12:51 AM | | | | | Signal Trac (Span Zoom | | |

LTE(CV2X)_10 M_BandEdge(1)_High_QPSK_FullRB







LTE(CV2X)_10 M_BandEdge(2)_High_QPSK_FullRB





| Spectrum Analyzer 1 V + | | | | | | SCPI | \$ | Frequency | · • 💥 |
|--------------------------------------|---|----------------------------|--|----------------------------------|--|--|-----------------------------|-----------|-------|
| | Coupling: DC Corr Corr Preamp: Off Gate: Off Align: Auto Freq Ref. Int (S) NFE: Adaptive Preamp: Off Gate: Off WP ath: Standard IF Gain: Low Sig Track: Off | | | #Avg Type: Pow Trig: Free Run | ver (RMS <mark>12 3 4 5 6) A WW WW W</mark> A A A A A A A | Center Fred 5.9650000 Span | | Settings | |
| 1 Spectrum Scale/Div 10 dB Log | • | | ef LvI Offset 25.40 ef Level 0.00 dBm | | Mkr | 5.973 80 GHz -52.117 dBm | 20.000000 | t Span | |
| -10.0 | | | | | | | Full S | Span | |
| -20.0 | | | | | | DL1 -28.00 dBm | Start Freq 5.9550000 | 00 GHz | |
| -40.0 | | | | | | | Stop Freq 5.9750000 | 00 GHz | |
| -50.0 | | | | | | •1. _{MS} | AUTO | TUNE | |
| -60.0 | | | | | | | CF Step 2.000000 M | ИНz | |
| -70.0 | | | | | | | Auto Man | | |
| -90.0 | | | | | | | Freq Offset 0 Hz | | Lassi |
| Start 5.95500 GI #Res BW 1.0 MI | | | #Video BW 3.0 MI | Hz | #Swe | Stop 5.97500 GHz ep 5.00 s (1001 pts) | X Axis Scale Log Lin | e | Local |
| エ ッ(| 2 🗌 ? | Mar 18, 2025 3:13:38 AM | ÐA | | | | Signal Traci (Span Zoom) | | |

LTE(CV2X)_10 M_BandEdge(3)_High_QPSK_FullRB







LTE(CV2X)_10 M_BandEdge_High_QPSK_1RB





| Spectrum Analy Swept SA | zer 1 , 🕇 | | | | | SCPI | Sall I | requency v | 22 |
|---------------------------------|--|---|---|---|-------------------------------|--|-----------------------------|------------|-------|
| KEYSIGHT RL ↔ | Input: RF Coupling: DC Align: Auto | Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: P Trig: Free Ru | rower (RMS <mark>123456</mark> In AWWWWW A A A A A A | 5.928000000 | Settin | igs |
| 1 Spectrum Scale/Div 10 d | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr | 1 5.926 000 GHz -21.864 dBm | 1.000000000 | Span | |
| -10.0 | | | | | | DL1 -13.00 dBm | Full Sp | an | |
| -20.0 | | | | | | | Start Freq 5.92600000 | GHz | |
| -40.0 | | | | | | RMS | Stop Freq 5.930000000 | GHz | |
| -50.0 | | | | | | | AUTO T | JNE | |
| -60.0 | | | | | | | CF Step 400.000 kHz | | |
| -80.0 | | | | | | | Auto Man | | |
| -90.0 | | | | | | | Freq Offset 0 Hz | | Local |
| Start 5.926000 #Res BW 1.0 N | | | #Video BW 3.0 M | Hz | #Sw | Stop 5.930000 GH eep ~5.03 s (1001 pts | X Axis Scale Log Lin | | |
| ま り | | Mar 18, 2025 3:14:55 AM | \square | | | | Signal Track (Span Zoom) | | |

LTE(CV2X)_10 M_BandEdge(1)_High_QPSK_1RB





| Spectrum Analy Swept SA | zer 1 | | | | | SCPI | Frequenc | y 1 👫 |
|--------------------------------------|--|---|---|---|--|--|---|----------|
| KEYSIGHT | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Power Trig: Free Run | r (RMS <mark>1</mark> 23456 A WWWWW A A A A A A | Center Frequency 5.942500000 GHz | Settings |
| 1 Spectrum Scale/Div 10 dl Log | в | | Ref LvI Offset 25.4 Ref Level 0.00 dBn | | Mkr1 5 | .930 000 GHz -38.812 dBm | Span 25.0000000 MHz Swept Span Zero Span | |
| -10.0 | | | | | | DL1 -16.00 dBm | Full Span | |
| -30.0 | | | | | | | 5.930000000 GHz Stop Freq 5.955000000 GHz | |
| -50.0 | | | | | alan yang menantak yang menang kang me | RMS | AUTO TUNE | |
| -60.0 | | | | | | | CF Step 2.500000 MHz Auto Man | |
| -90.0 | | | | | | | Freq Offset 0 Hz | Local |
| Start 5.93000 G #Res BW 1.0 M | | | #Video BW 3.0 M | Hz | #Sweep | Stop 5.95500 GHz p 5.00 s (1001 pts) | X Axis Scale Log Lin | Looar |
| 150 | | Mar 18, 2025 3:15:18 AM | \square | | | | Signal Track (Span Zoom) | |

LTE(CV2X)_10 M_BandEdge(2)_High_QPSK_1RB





| Spectrum Analy Swept SA | | | | | | | CPI 🗘 | Frequency | |
|----------------------------------|--|--|--|---|-----------------------------------|---|------------------|-------------------------|----------|
| KEYSIGHT RL +++ | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Powe Trig: Free Run | er (RMS <mark>1234</mark> A WW WY A A A A A | VW 5.9650 | Frequency 000000 GHz | Settings |
| 1 Spectrum | * | R | Ref LvI Offset 25.40 | dB | Mkr1 | 5.955 12 G | | 00000 MHz | |
| Scale/Div 10 d | В | F | Ref Level 0.00 dBm | | | -50.513 dE | | Swept Span Zero Span | |
| -10.0 | | | | | | | | Full Span | |
| -20.0 | | | | | | DL1 -28.00 d | Start F | req 000000 GHz | |
| -40.0 | | | | | | | Stop F 5.9750 | req 000000 GHz | |
| -50.0 | | and and for the state of the st | man forman and a second as the second second | 1 | | | MS AI | | |
| -60.0 | | | | | | | CF Ste 2.0000 | :p 000 MHz | |
| -70.0 | | | | | | | | Auto Man | |
| -90.0 | | | | | | | Freq O 0 Hz | ffset | |
| Start 5.95500 (#Res BW 1.0 N | | | #Video BW 3.0 Mł | Hz | #Swee | Stop 5.97500 G ep 5.00 s (1001 p | | Scale Log Lin | Local |
| 1 | ┍┙ 🔲 ? | Mar 18, 2025 3:15:41 AM | \square | | | | | Track (oom) | |

LTE(CV2X)_10 M_BandEdge(3)_High_QPSK_1RB





| Spectrum Analy Swept SA | yzer 1 🕴 🕂 | | | | | SCPI | Ö F | requency 🔻 | 121× 121× |
|---|--|---|---|---|------------------------------|--|------------------------------------|------------|--------------|
| KEYSIGHT | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: I Trig: Free R | Power (RMS 1 2 3 4 5 6 a wwwww a a a a a a | Center Freque 5.89500000 | ocu | ings |
| 1 Spectrum Scale/Div 10 d Log | r IB | | Ref LvI Offset 25.44 Ref Level 25.00 dB | | Mki | 1 5.894 848 GHz -39.035 dBm | 1.00000000 | Span | |
| 15.0 | | | | | | | Full Sp | an | |
| -5.00 | | | | | | RMS | Start Freq 5.893000000 | GHz | |
| -15.0 | | | | | | DL1-16.00 dBm | Stop Freq 5.897000000 | GHz | |
| -25.0 | | | 1 | | | | AUTO TI | JNE | |
| -45.0 | | | | | | | 400.000 kHz | | |
| -55.0 | | | | | | | Man Freq Offset | | |
| -65.0 Center 5.89500 #Res BW 1001 | | | #Video BW 300 k | Hz | #Sv | Span 4.000 MHz veep ~5.03 s (1001 pts) | 0 Hz X Axis Scale Log Lin | | Local |
| <u>ר</u> | | Mar 18, 2025 3:23:59 AM | | | | | Signal Track (Span Zoom) | | |

LTE(CV2X)_20 M_BandEdge_Low_QPSK_FullRB





| Spectrum Analy Swept SA | | | | | | | SCPI | \$ | Frequency | 1 22 |
|-------------------------------------|--|---|---|---|---------------------------------|--------------------------|--|----------------------|-----------------------------------|----------|
| KEYSIGHT RL ↔ | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Po Trig: Free Run | A 4 | 2 3 4 5 6 wwwww A A A A A | 5.89200 | Frequency 00000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | tef LvI Offset 25.40 tef Level 0.00 dBm | | Mkr1 | 5.894 0 -29.28 | 00 GHz 30 dBm | SI | 0000 MHz wept Span ero Span | |
| -10.0 | | | | | | DE | 1 -13.00 dBm | F | ull Span | |
| -20.0 | | | | | | | | Start Fre 5.89000 | eq 00000 GHz | |
| -30.0 | | | | | | | | Stop Fre 5.89400 | eq 00000 GHz | |
| -50.0 | | | | | | | | AU | TO TUNE | |
| -60.0 | | | | | | | | CF Step 400.000 | | |
| -80.0 | | | | | | | | Freq Off | an | |
| -90.0 | | | | | | | | 0 Hz | | Local |
| Start 5.890000 #Res BW 1.0 N | | | #Video BW 3.0 MH | Hz | #Swe | Stop 5.89 eep ~5.03 s | 4000 GHz (1001 pts) | X Axis S Lo Li | og 🛛 | |
| エ | ? 🗖 ۲ | Mar 18, 2025 3:24:23 AM | \square | | | | X | Signal T (Span Zo | | |

LTE(CV2X)_20 M_BandEdge(1)_Low_QPSK_FullRB





| Spectrum Analy Swept SA | vzer 1 🔻 🕇 | | | | | | SCPI | \$ | Frequency | / - / 器 |
|-------------------------------------|--|---|---|---|---------------------------------|-----------------------------|----------------------------|--------------------------|---------------------------------|----------|
| KEYSIGHT RL +→-• | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off μW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Po Trig: Free Run | A ₩ | 3 4 5 6 WWWW A A A A | 5.87750 | requency 0000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr1 | 5.888 52 -31.25 | | Sw | 000 MHz vept Span ro Span | |
| 10.0 | | | | | | DL1 | -16.00 dBm | Fi | ıll Span | |
| 30.0 | | | | | | | ↓1 . _{MS} | Start Fre 5.86500 | q 0000 GHz | |
| 40.0 | | | | | | | | Stop Fre 5.89000 | q 0000 GHz | |
| 50.0 | | | | | | | | 1000 | | |
| 70.0 | | | | | | | | CF Step 2.50000 Au | 0 MHz | |
| 80.0 | | | | | | | | Ma Freq Offs | in | |
| 90.0 | | | | | | | | 0 Hz X Axis S | cale | Local |
| Start 5.86500 G Res BW 1.0 N | | | #Video BW 3.0 M | HZ | #Sw | Stop 5.89 veep 5.00 s (1 | | Lo Lir | | |
| ま し | | Mar 18, 2025 3:24:46 AM | | | | | X | Signal Tr (Span Zor | | |

LTE(CV2X)_20 M_BandEdge(2)_Low_QPSK_FullRB





| Spectrum Analy Swept SA | /zer 1 • + | | | | | | SCPI | \$ | Frequency | · • 😤 |
|-------------------------------------|--|---|---|---|----------------------------------|---|-----------------|-----------------------|-----------------------------------|----------|
| KEYSIGHT | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pov Trig: Free Run | ver (RMS <mark>123</mark> A WW A A A | www | 5.85500 | requency 00000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr | 1 5.864 98 -49.023 (| | Sv | 0000 MHz vept Span ero Span | |
| -10.0 | | | | | | | | Fi | ull Span | |
| -20.0 | | | | | | DL1 -28. | 00 dBm | Start Fre 5.84500 | eq 00000 GHz | |
| -30.0 | | | | | | | 1 | Stop Fre 5.86500 | 9 00000 GHz | |
| -50.0 | | 887007-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | **** | a phaping a state of the state | | and all and a second | R | AU | | |
| -60.0 | | | | | | | | CF Step 2.00000 | | |
| -70.0 | | | | | | | | Au Ma | | |
| -90.0 | | | | | | | | Freq Off 0 Hz | set | |
| Start 5.84500 (#Res BW 1.0 N | | | #Video BW 3.0 Mł | Hz | #Swe | Stop 5.8650 ep 5.00 s (100 | 0 GHz 1 pts) | X Axis S Lc Li | g | Local |
| 5 | ? 🗖 🖒 | Mar 18, 2025 3:25:09 AM | \square | | | | X | Signal Ti (Span Zo | | |

LTE(CV2X)_20 M_BandEdge(3)_Low_QPSK_FullRB





| Spectrum Analy Swept SA | zer 1 , 🕂 | | | | | SCPI | \$ | Frequency | · * 🔆 |
|-------------------------------------|--|---|---|---|----------------------------------|---|-----------------------------|-----------|----------|
| KEYSIGHT RL +++ | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pow Trig: Free Run | ver (RMS <mark>123456</mark> A WW WW W A A A A A A | Center Freque | | Settings |
| 1 Spectrum Scale/Div 10 d Log | B | | ef LvI Offset 25.40 ef Level 25.00 dB | | Mkr1 | 5.894 988 GHz -46.155 dBm | 1.00000000 | Span | |
| 15.0 | | | | | | \frown | Full S | pan | |
| -5.00 | | | | | | RMS | Start Freq 5.89300000 | 0 GHz | |
| -15.0 | | | | | | DL 1 - 16.00 xBm | Stop Freq 5.89700000 | 0 GHz | |
| -25.0 | | | | | | | AUTO | TUNE | |
| -35.0 | | | 1_ | | | | CF Step 400.000 kH | z | |
| -55.0 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ייינים איניראט אינייאט איניין איניין אינייאט אינייט אינייט אינייט אינייט אינייט אינייט אינייט אינייט אינייט אינ | and a stand and a stand and a stand and a stand | | | | Auto Man | | |
| -65.0 | | | | | | | Freq Offset 0 Hz | | Level |
| Center 5.89500 #Res BW 100 k | | | #Video BW 300 kl | Hz | #Swee | Span 4.000 MHz p ~5.03 s (1001 pts) | X Axis Scale Log Lin | | Local |
| ま し | ~ 🗌 ? | Mar 18, 2025 3:25:46 AM | ÐA | | | | Signal Track (Span Zoom) | | |

LTE(CV2X)_20 M_BandEdge_Low_QPSK_1RB





| Spectrum Analy Swept SA | · · · · · | | | | | | SCPI | \$ | Frequency | - * 🔆 |
|---------------------------------|--|---|---|---|----------------------------------|---|------------------|-------------------------------|---------------------|--------------|
| KEYSIGHT RL +→+ ™ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pow Trig: Free Run | | WW W | Center Fr 5.892000 Span | equency)000 GHz | Settings |
| 1 Spectrum | | F | Ref LvI Offset 25.40 |) dB | Mkr1 | 5.893 984 | | 4.00000 | 000 MHz | |
| Scale/Div 10 d | В | F | Ref Level 0.00 dBm | | | -40.654 | dBm | | ept Span o Span | |
| -10.0 | | | | | | UL1-13 | 00 dBm | Fu | ll Span | |
| -20.0 | | | | | | | | Start Free 5.89000 | 1 0000 GHz | |
| -30.0 | | | | | | and a second strange and a second strange and a second strange at the second strange at the second strange at t | R | Stop Fred 5.894000 | 1 0000 GHz | |
| -50.0 | | | | | | | | AUT | O TUNE | |
| -60.0 | | | | | | | | CF Step 400.000 | kHz | |
| -70.0 | | | | | | | | Aut Ma | | |
| -80.0 | | | | | | | | Freq Offs 0 Hz | et | |
| Start 5.890000 #Res BW 1.0 N | | | #Video BW 3.0 MI | Hz | #Swee | Stop 5.89400 p ~5.03 s (100 | 0 GHz)1 pts) | X Axis Sc Log Lin | 1 | Local |
| 5 | ? 🗆 ۲ | Mar 18, 2025 3:26:09 AM | | | | | X | Signal Tra (Span Zoo | | |

LTE(CV2X)_20 M_BandEdge(1)_Low_QPSK_1RB





| Spectrum Anal Swept SA | yzer 1 , 🕂 | | | | | SCPI | Frequen | cy 🔹 🔛 |
|-------------------------------------|--|---|---|---|----------------------------------|---|-------------------------------------|----------|
| | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pow Trig: Free Run | rer (RMS <mark>1</mark> 23456 A WW WW W A A A A A A | Center Frequency 5.877500000 GHz | Settings |
| 1 Spectrum Scale/Div 10 c Log | B | | Ref LvI Offset 25.4 Ref Level 0.00 dBm | | Mkr1 | 5.879 325 GHz -41.495 dBm | 20.0000000 1111 12 | |
| -10.0 | | | | | | DL1 -16.00 dBm | Full Span Start Freg | |
| -30.0 | | | | ↓ 1 | | | 5.865000000 GHz Stop Freq | |
| -50.0 | uru fasud segrain felalasan dar | apa ay ang | | | | RMS | 5.89000000 GHz | |
| -60.0 | | | | | | | CF Step 2.500000 MHz | |
| -80.0 | | | | | | | Man Freq Offset 0 Hz | |
| Start 5.86500 (#Res BW 1.0 M | | | #Video BW 3.0 M | Hz | #Swe | Stop 5.89000 GHz ep 5.00 s (1001 pts) | X Axis Scale | Local |
| 1 | | Mar 18, 2025 3:26:32 AM | \Box | | | | Signal Track (Span Zoom) | |

LTE(CV2X)_20 M_BandEdge(2)_Low_QPSK_1RB





| Spectrum Analy Swept SA | /zer 1 + | | | | | SC | | Frequency | - * 尜 |
|----------------------------------|--|---|---|---|--|--|----------------------|-------------------------|----------|
| KEYSIGHT RL +++ | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Pov Trig: Free Run | ver (RMS 1 2 3 4 5 A WW WW A A A A A A | 5.8550 | Frequency 000000 GHz | Settings |
| 1 Spectrum | ×. | F | Ref LvI Offset 25.40 |) dB | Mkr | 1 5.858 08 GH | 20.000 | 00000 MHz | |
| Scale/Div 10 d | B | F | Ref Level 0.00 dBm | | | -51.177 dB | | wept Span ero Span | |
| -10.0 | | | | | | | , I | -ull Span | |
| -20.0 | | | | | | QL1 -28.00 d | Start Fr 5.8450 | eq 000000 GHz | |
| -30.0 | | | | | | | Stop Fr | eq 000000 GHz | |
| -50.0 | | Ander in Aprophysics, in a surgering of | | 1 | and the second | RI | | JTO TUNE | |
| -60.0 | | | | | | | CF Step | p 100 MHz | |
| -70.0 | | | | | | | | uto 1an | |
| -80.0 | | | | | | | Freq Of 0 Hz | fset | |
| Start 5.84500 (#Res BW 1.0 N | | | #Video BW 3.0 MI | Hz | #Swe | Stop 5.86500 G eep 5.00 s (1001 p | Hz X Axis S | Scale .og .in | Local |
| 1 5 | ? 🗆 | Mar 18, 2025 3:26:56 AM | | | | | Signal 1 (Span Zi | Track | |

LTE(CV2X)_20 M_BandEdge(3)_Low_QPSK_1RB





LTE(CV2X)_20 M_BandEdge_High_QPSK_FullRB





| Spectrum Analy Swept SA | rzer 1 🔹 🕂 | | | | | | SCPI | Ö | Frequency | - * 絵 |
|-------------------------------------|--|---|---|---|---------------------------------|----------------------------|--|------------------|--------------------------------------|----------|
| KEYSIGHT | Input: RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Po Trig: Free Run | n A¥ | 2 3 4 5 6 WWWWW A A A A A | 5.928 | Frequency 000000 GHz | Settings |
| 1 Spectrum Scale/Div 10 d Log | T B | | Ref LvI Offset 25.4 Ref Level 0.00 dBm | | Mkr | 1 5.926 00 -28.20 | 08 GHz 1 dBm | | 00000 MHz Swept Span Zero Span | |
| -10.0 | | | | | | DL | -13.00 dBm | | Full Span | |
| -20.0 - 1 | · · · · · · · · · · · · · · · · · · · | | | | | | RMS | Start F 5.926 | req 000000 GHz | |
| -40.0 | | | | | | | | Stop F 5.930 | req 000000 GHz | |
| -50.0 | | | | | | | | A | UTO TUNE | |
| -60.0 | | | | | | | | 2010/02/02/2 | 00 kHz | |
| -80.0 | | | | | | | | | Auto Man Iffset | |
| -90.0 | | | | | | | | 0 Hz X Axis | | Local |
| Start 5.926000 #Res BW 1.0 N | | | #Video BW 3.0 M | Hz | #Swe | Stop 5.93 eep ~5.03 s (| | | scale ₋og l ₋in | |
| 1 | | Mar 18, 2025 4:00:48 AM | | | | | | | Track oom) | |

LTE(CV2X)_20 M_BandEdge(1)_High_QPSK_FullRB





| Swept SA KEYSIGHT RL +++ | Input. RF Coupling: DC Align: Auto | Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive | #Atten: 20 dB Preamp: Off µW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Power (RMS Trig: Free Run | 1 2 3 4 5 6 A WW WW W A A A A A A A | PROSPECTATION OF THE OWNER. | requency 0000 GHz | Settings |
|--------------------------------|--|---|---|---|---|--|-----------------------------|--------------------------------|----------|
| Spectrum cale/Div 10 d | ¥ B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | Mkr1 5.930 -30. | 000 GHz 009 dBm | 25.0000 | 000 MHz ept Span ro Span | |
| 0.0 | | | | | | DL1 -16.00 dBm | Fu | ll Span | |
| 0.0 | | | | | | | Start Free 5.93000 | 9 0000 GHz | |
| 0.0 | | | | | | RMS | Stop Free 5.95500 | 9 0000 GHz | |
| 0.0 | | | | | | and a second and the second | 10000 | O TUNE | |
| 0.0 | | | | | | | CF Step 2.50000 | 20.0000100m1 | |
| 0.0 | | | | | | | Aut Ma | n | |
| 0.0 | | | | | | | Freq Offs 0 Hz | | Loca |
| art 5.93000 0 Res BW 1.0 N | | | #Video BW 3.0 MI | Hz | Stop #Sweep 5.00 | 5.95500 GHz s (1001 pts) | X Axis So Lo Lin | g | 2000 |
| 15 | | Mar 18, 2025 4:01:11 AM | \square | | | | Signal Tra | ack | |

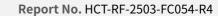
LTE(CV2X)_20 M_BandEdge(2)_High_QPSK_FullRB







LTE(CV2X)_20 M_BandEdge(3)_High_QPSK_FullRB







LTE(CV2X)_20 M_BandEdge_High_QPSK_1RB





| Spectrum Analyze Swept SA | | | | | | SC | | Frequency | - * 影 |
|--------------------------------------|--------------------------------|----------------------------|---|---|-----------------------------------|---|----------------------|-----------------------------------|----------|
| | oupling: DC C lign: Auto Fi | Corr CCorr I | #Atten: 20 dB Preamp: Off JW Path: Standard | PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off | #Avg Type: Powe Trig: Free Run | r (RMS <mark>12345</mark> AWWWW AAAAA | 5.9280 | Frequency 00000 GHz | Settings |
| 1 Spectrum Scale/Div 10 dB Log | | | f LvI Offset 25.40 f Level 0.00 dBm | | Mkr1 5 | .926 000 GH -39.820 dB | z 4.0000 | 0000 MHz wept Span ero Span | |
| -10.0 | | | | | | DE1 -13.00 dt | | ull Span | |
| -20.0 | | | | | | | | 00000 GHz | |
| -40.0 | | | | T ^{an} (D) The DE DATA State of the State of | | RN | Stop Fre | eq 00000 GHz | |
| -50.0 | | | | | | | CF Step | | |
| -70.0 | | | | | | | | 0 kHz uto an | |
| -80.0 | | | | | | | Freq Of 0 Hz | fset | |
| Start 5.926000 G #Res BW 1.0 MH | | # | Video BW 3.0 MI | Hz | | Stop 5.930000 G ~5.03 s (1001 p | | og | Local |
| 1 5 6 | * 🗖 ? ' | Mar 18, 2025 4:02:40 AM | | | | ¥ = × | Signal 1 (Span Zo | | |

LTE(CV2X)_20 M_BandEdge(1)_High_QPSK_1RB





| Spectrum Analy Swept SA KEYSIGHT | | Input Z: 50 Ω | #Atten: 20 dB | PNO: Best Wide | #Avg Type: Power (RM | SCPI | التعكر | equency 🔻 🔛 |
|--|-----------------------------|--|--|-----------------------------|--|----------------------------|---|-------------|
| 81 | Coupling: DC Align: Auto | Corr CCorr Freq Ref: Int (S) NFE: Adaptive | Preamp: Off µW Path: Standard | Gate: Off | Trig: Free Run | A WW WW W A A A A A A A | Center Frequer | |
| Spectrum | B | | Ref LvI Offset 25.40 Ref Level 0.00 dBm | | | 0 000 GHz 2.131 dBm | Span 25.0000000 M Swept Sp | ban |
| 10.0 | | | | | | DL1 -16.00 dBm | Zero Spa Full Spa | |
| 30.0 | | | | | | | Start Freq 5.930000000 Stop Freq | GHz |
| 40.0 50.0 | ······ | | | - 10000 cm \$10000000 cm \$ | and the second | RMS | 5.955000000 AUTO TU | |
| 50.0 70.0 | | | | | | | CF Step 2.500000 MHz | |
| 30.0 | | | | | | | Auto Man Freq Offset | |
| 90.0 tart 5.93000 G | iHz | | #Video BW 3.0 M | Hz | Sto | p 5.95500 GHz | 0 Hz X Axis Scale Log | Local |
| #Res BW 1.0 M | | Mar 18, 2025 4:03:03 AM | ÐA | | #Sweep 5.0 | 00 s (1001 pts) | Log Lin Signal Track (Span Zoom) | |

LTE(CV2X)_20 M_BandEdge(2)_High_QPSK_1RB







LTE(CV2X)_20 M_BandEdge(3)_High_QPSK_1RB



13. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

| No. | Description |
|-----|---------------------|
| 1 | HCT-RF-2503-FC054-P |