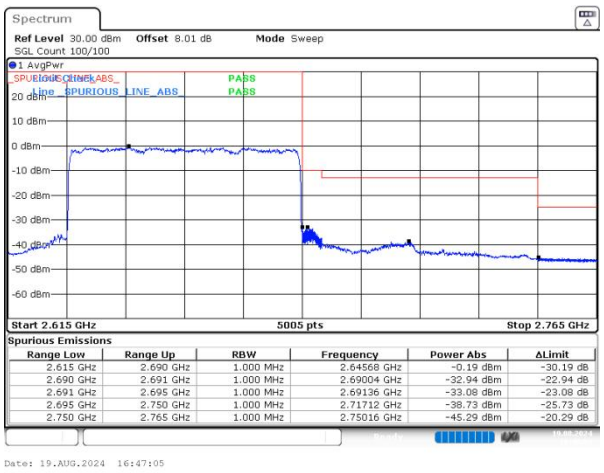
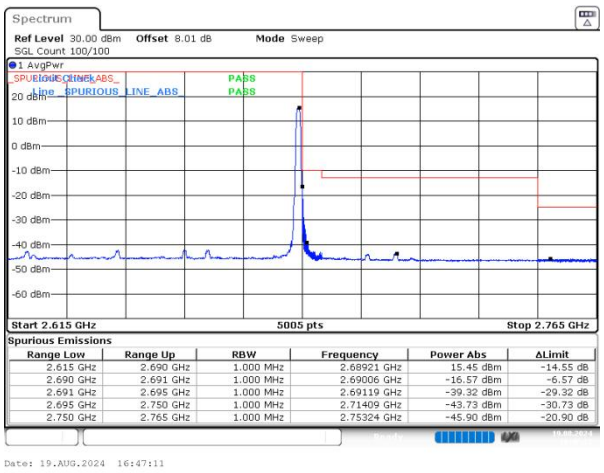
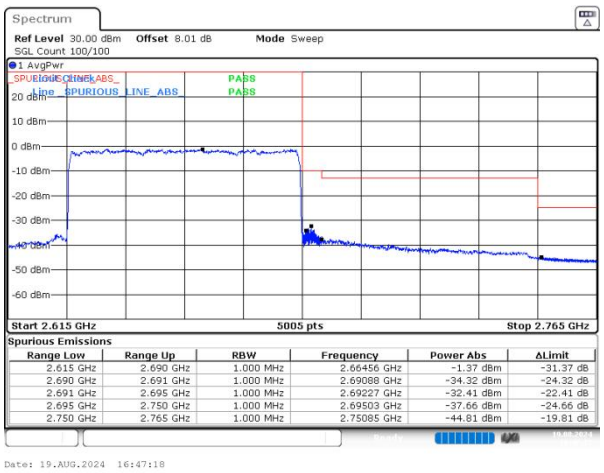


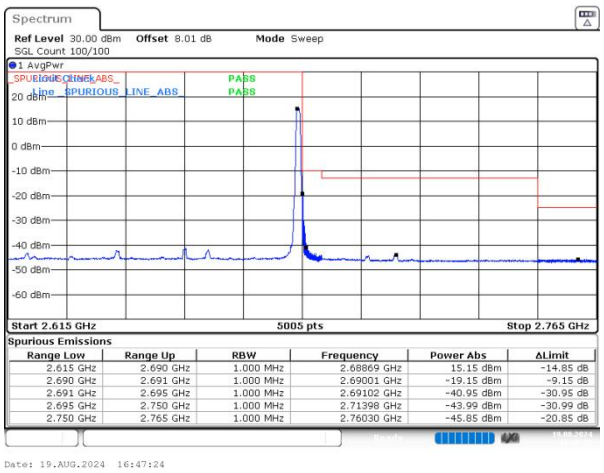

n41 SCS=30kHz DFT_BPSK BW=60MHz HighChannel=531996 RB=162@0 NVNT



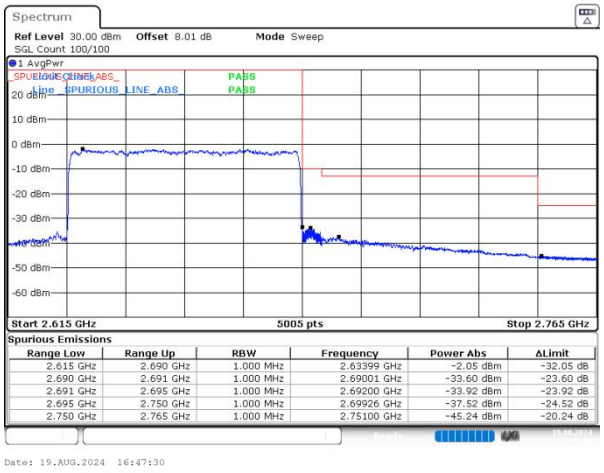

n41 SCS=30kHz DFT_QPSK BW=60MHz HighChannel=531996 RB=1@161 NVNT




n41 SCS=30kHz DFT_QPSK BW=60MHz HighChannel=531996 RB=162@0 NVNT




n41 SCS=30kHz DFT_16QAM BW=60MHz HighChannel=531996 RB=1@161 NVNT

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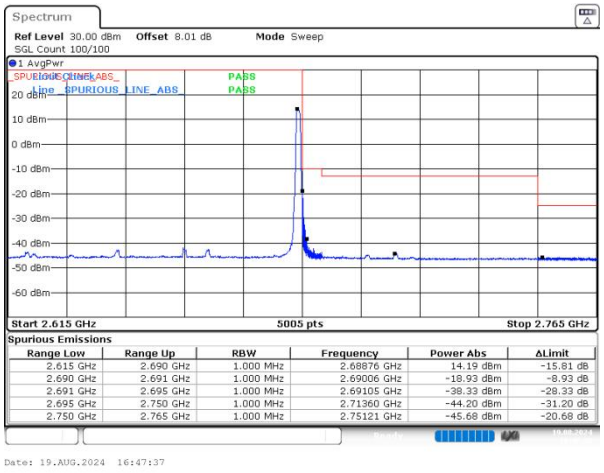
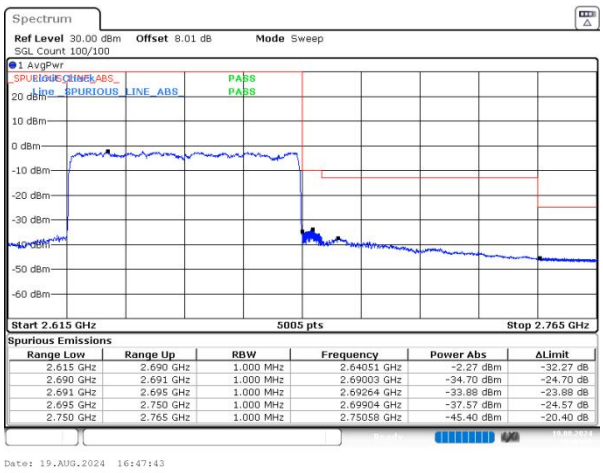
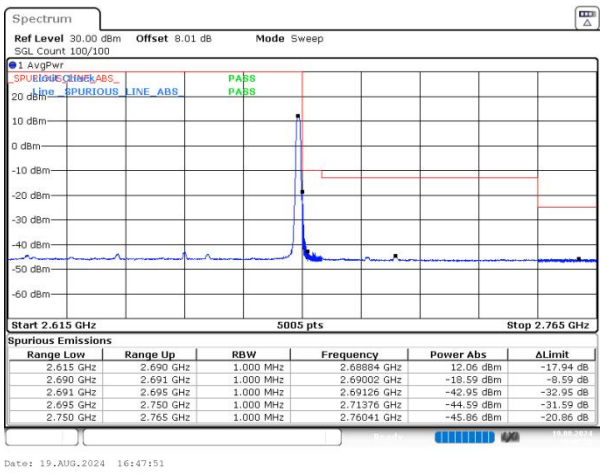



n41 SCS=30kHz DFT_64QAM BW=60MHz HighChannel=531996 RB=1@161 NVNT




n41 SCS=30kHz DFT_64QAM BW=60MHz

HighChannel=531996 RB=162@0 NVNT

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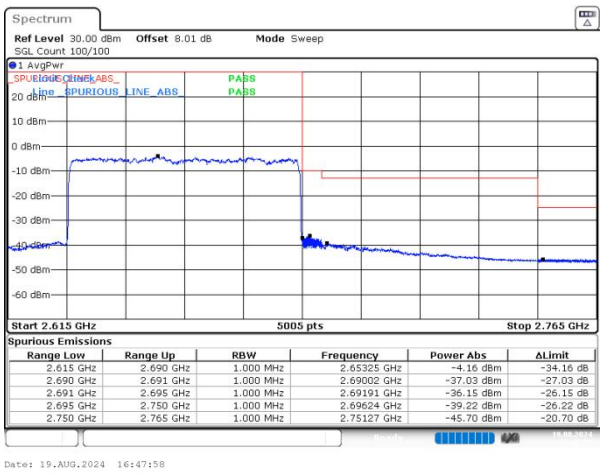
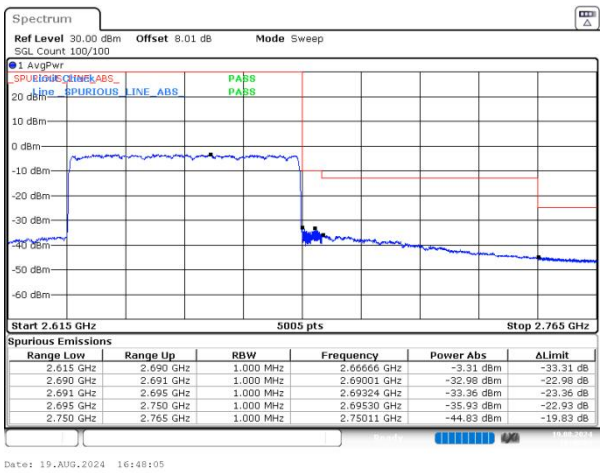
HighChannel=531996 RB=1@161 NVNT



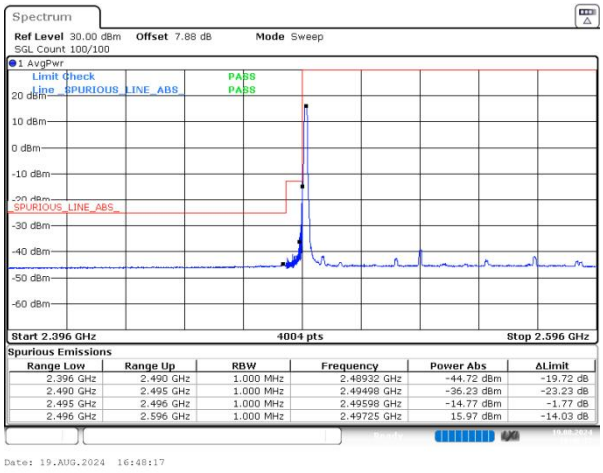

n41 SCS=30kHz DFT_256QAM BW=60MHz

HighChannel=531996 RB=162@0 NVNT



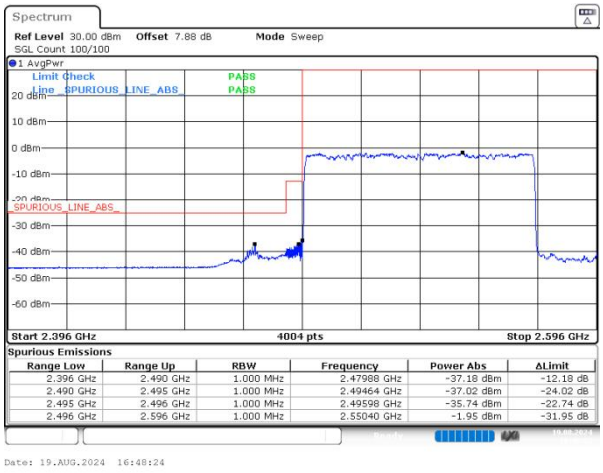

n41 SCS=30kHz CP_QPSK BW=60MHz HighChannel=531996

RB=162@0 NVNT



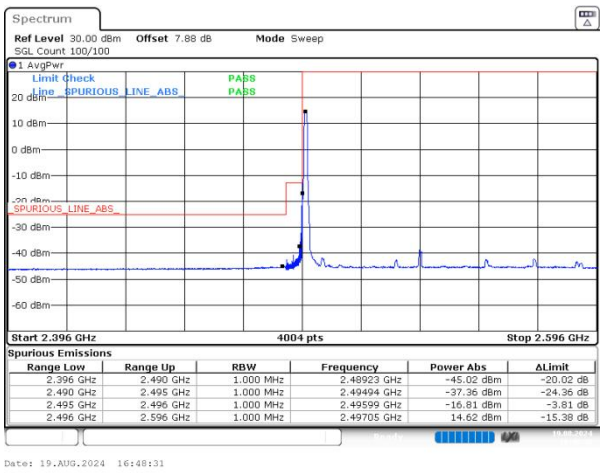

n41 SCS=30kHz DFT_BPSK BW=80MHz LowChannel=507204

RB=1@0 NVNT

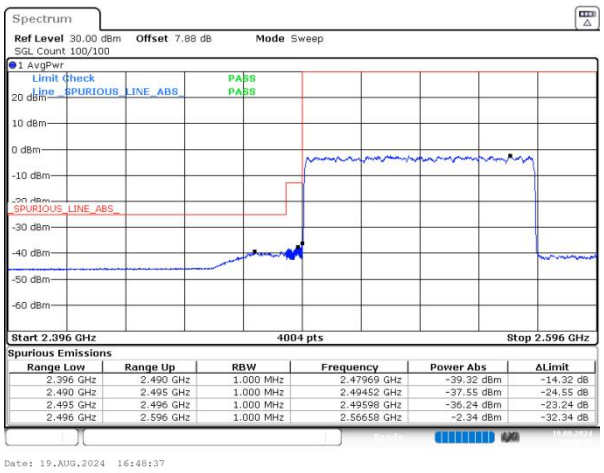



n41 SCS=30kHz DFT_BPSK BW=80MHz LowChannel=507204

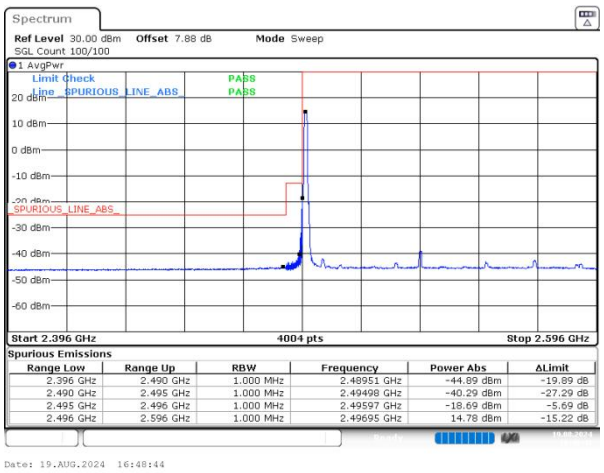
RB=216@0 NVNT



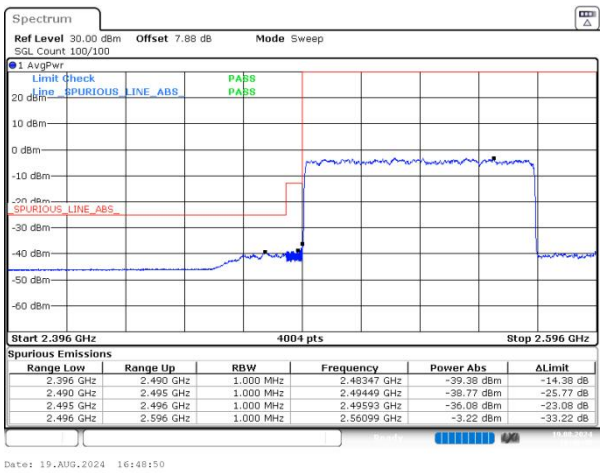

n41 SCS=30kHz DFT_QPSK BW=80MHz LowChannel=507204 RB=1@0 NVNT



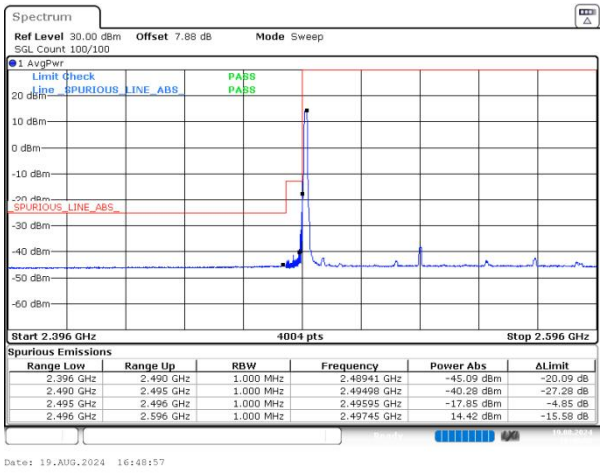

n41 SCS=30kHz DFT_QPSK BW=80MHz LowChannel=507204 RB=216@0 NVNT



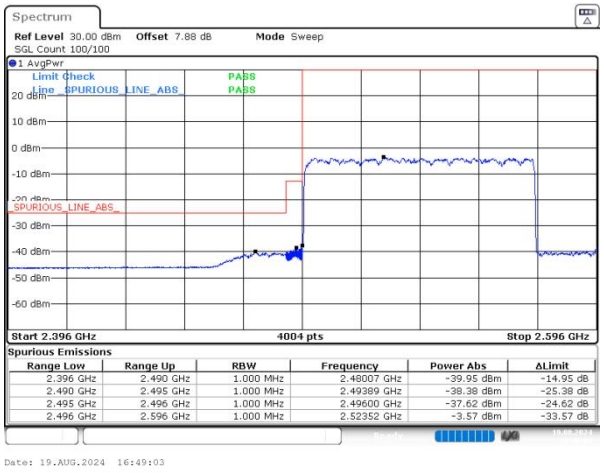

n41 SCS=30kHz DFT_16QAM BW=80MHz LowChannel=507204 RB=1@0 NVNT



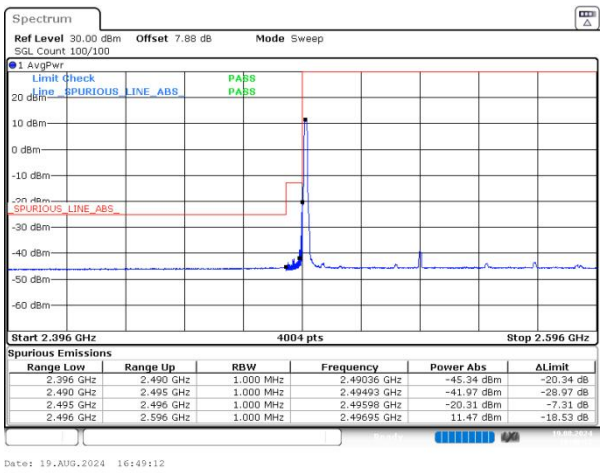

n41 SCS=30kHz DFT_16QAM BW=80MHz LowChannel=507204 RB=216@0 NVNT




n41 SCS=30kHz DFT_64QAM BW=80MHz LowChannel=507204 RB=1@0 NVNT

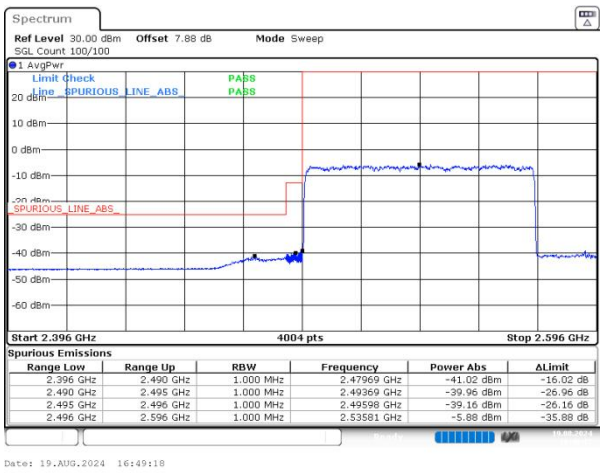



n41 SCS=30kHz DFT_64QAM BW=80MHz LowChannel=507204 RB=216@0 NVNT



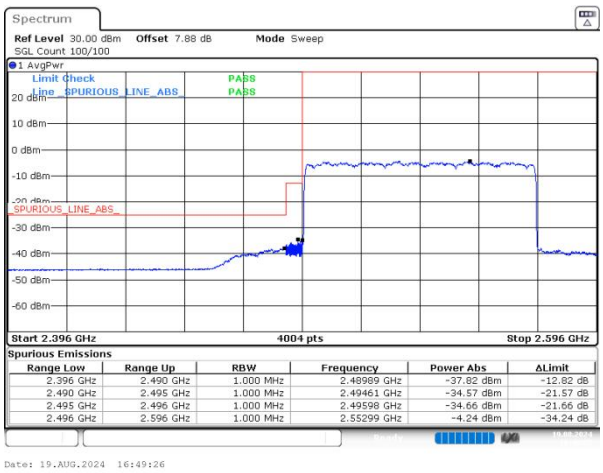

n41 SCS=30kHz DFT_256QAM BW=80MHz

LowChannel=507204 RB=1@0 NVNT



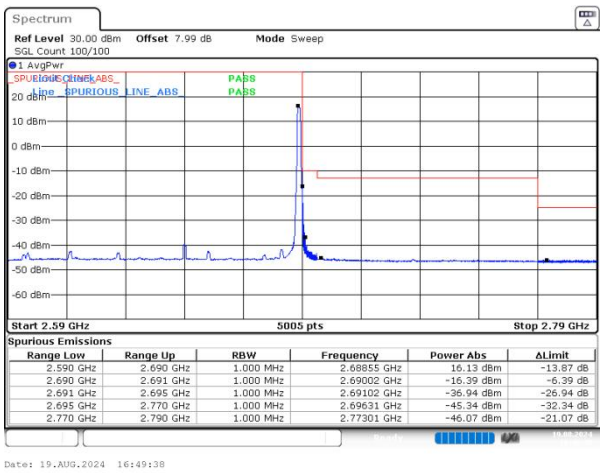

n41 SCS=30kHz DFT_256QAM BW=80MHz

LowChannel=507204 RB=216@0 NVNT



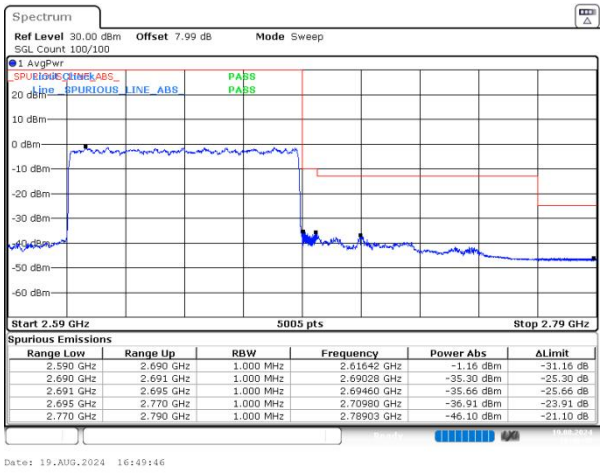

n41 SCS=30kHz CP_QPSK BW=80MHz LowChannel=507204

RB=217@0 NVNT



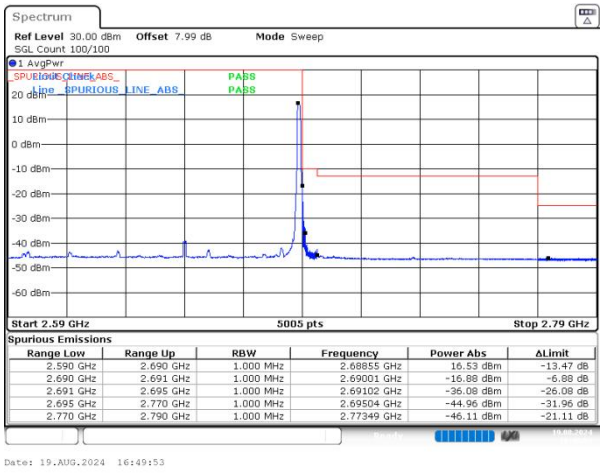

n41 SCS=30kHz DFT_BPSK BW=80MHz HighChannel=529998

RB=1@216 NVNT



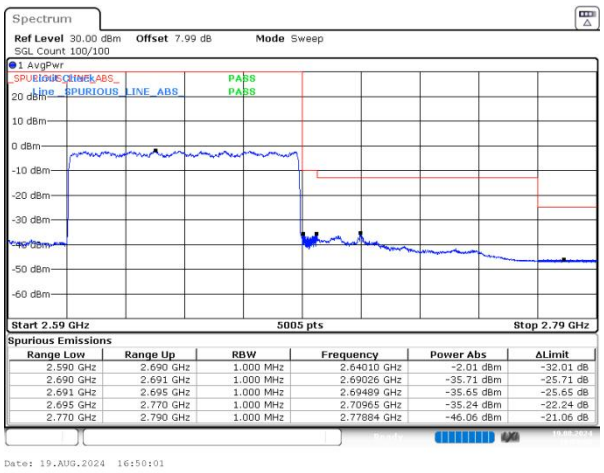

n41 SCS=30kHz DFT_BPSK BW=80MHz HighChannel=529998

RB=216@0 NVNT

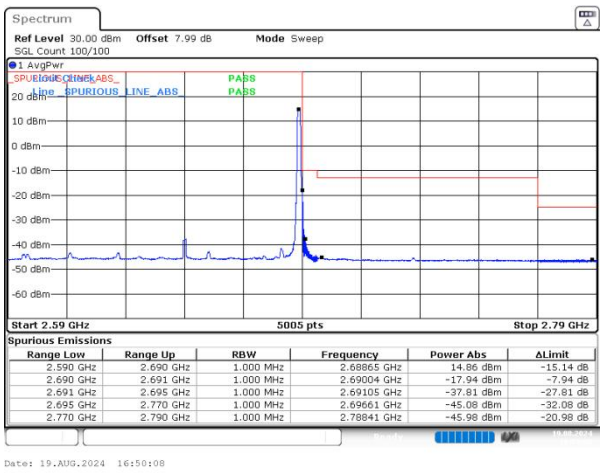



n41 SCS=30kHz DFT_QPSK BW=80MHz HighChannel=529998

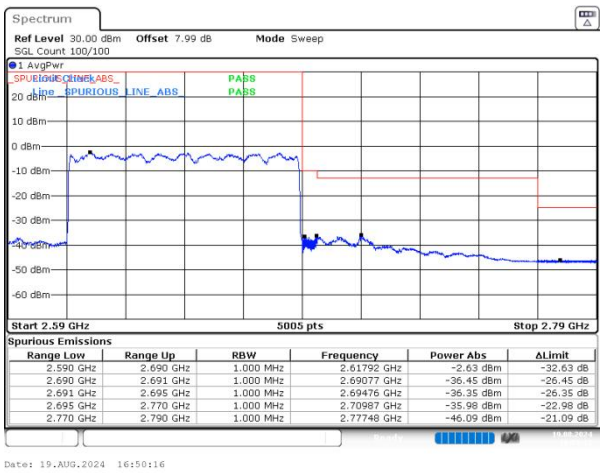
RB=1@216 NVNT



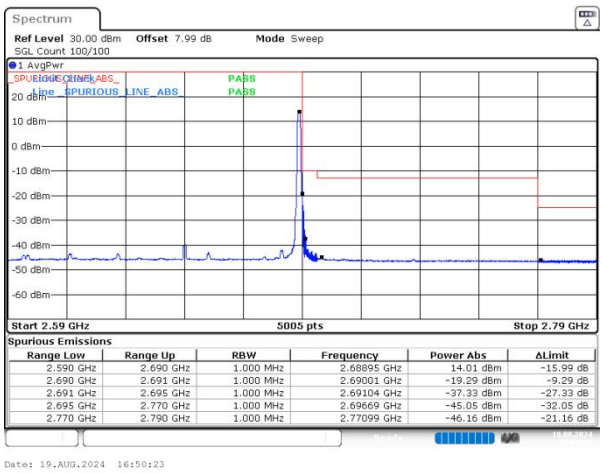

n41 SCS=30kHz DFT_QPSK BW=80MHz HighChannel=529998 RB=216@0 NVNT



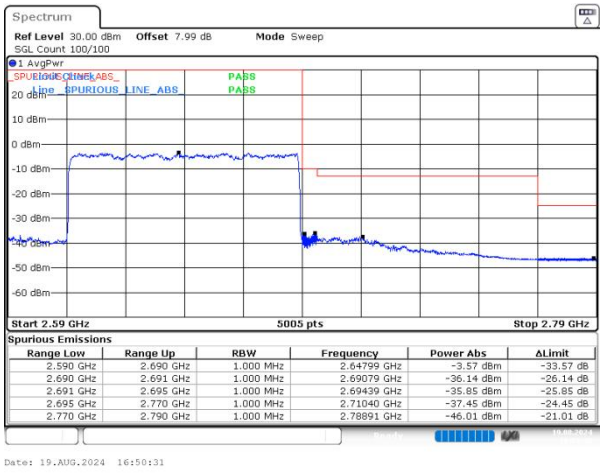

n41 SCS=30kHz DFT_16QAM BW=80MHz HighChannel=529998 RB=1@216 NVNT



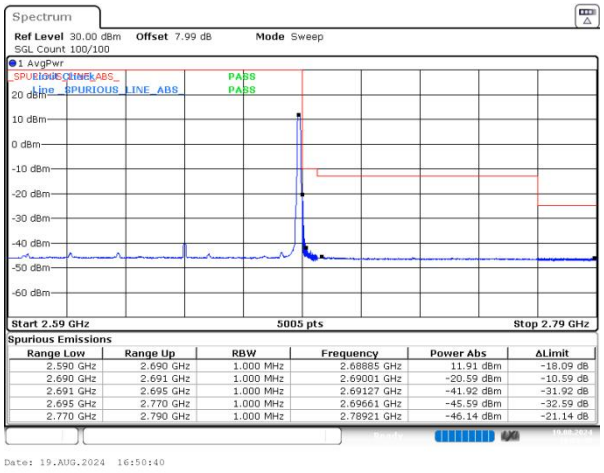

n41 SCS=30kHz DFT_16QAM BW=80MHz HighChannel=529998 RB=216@0 NVNT



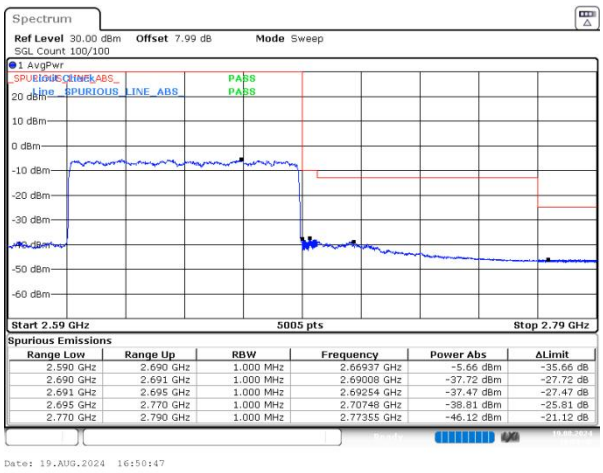

n41 SCS=30kHz DFT_64QAM BW=80MHz HighChannel=529998 RB=1@216 NVNT



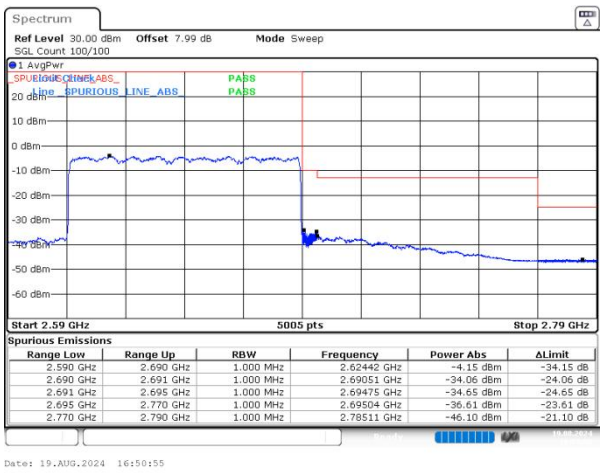

n41 SCS=30kHz DFT_64QAM BW=80MHz HighChannel=529998 RB=216@0 NVNT



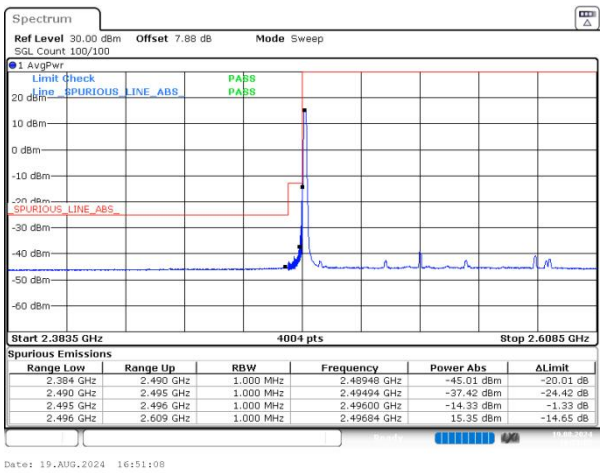

n41 SCS=30kHz DFT_256QAM BW=80MHz HighChannel=529998 RB=1@216 NVNT



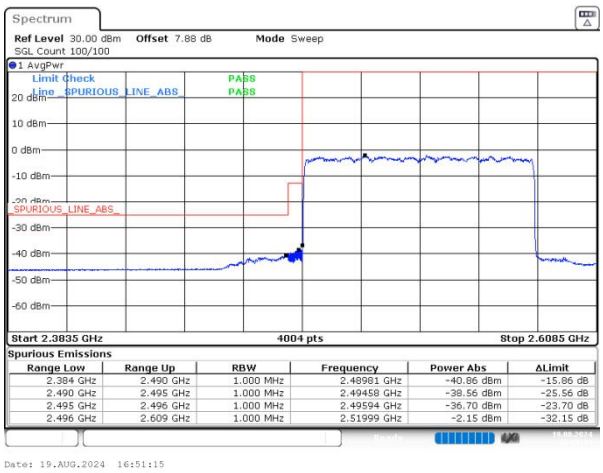

n41 SCS=30kHz DFT_256QAM BW=80MHz HighChannel=529998 RB=216@0 NVNT



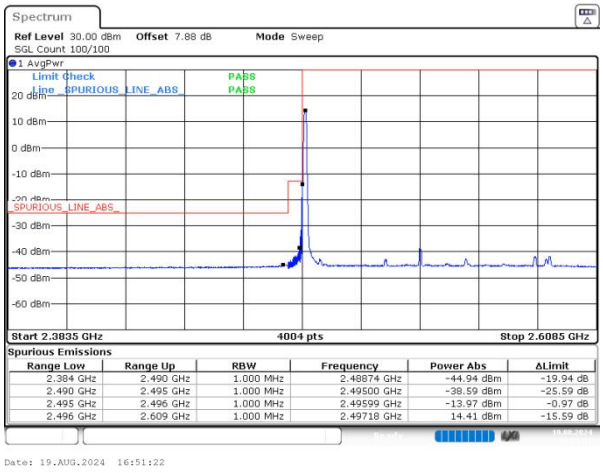

n41 SCS=30kHz CP_QPSK BW=80MHz HighChannel=529998 RB=217@0 NVNT



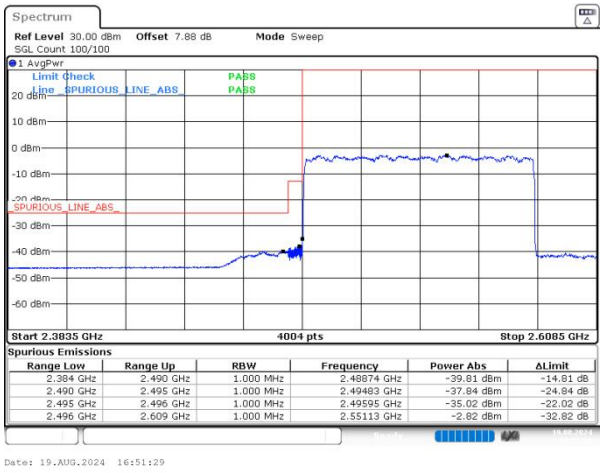

n41 SCS=30kHz DFT_BPSK BW=90MHz LowChannel=508200 RB=1@0 NVNT



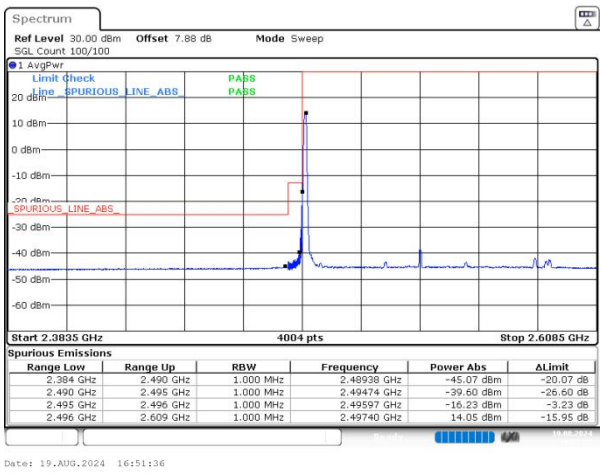

n41 SCS=30kHz DFT_BPSK BW=90MHz LowChannel=508200 RB=243@0 NVNT




n41 SCS=30kHz DFT_QPSK BW=90MHz LowChannel=508200 RB=1@0 NVNT

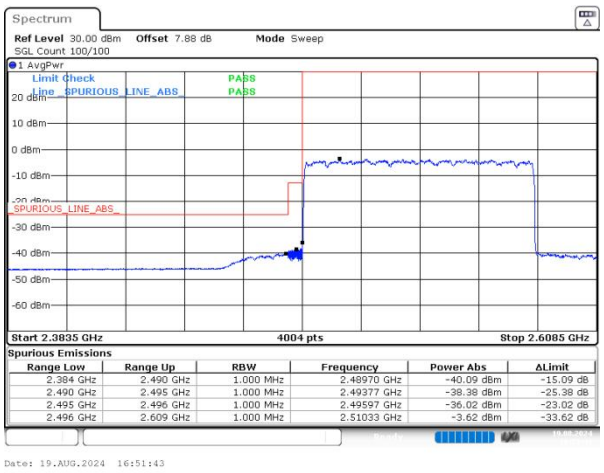



n41 SCS=30kHz DFT_QPSK BW=90MHz LowChannel=508200 RB=243@0 NVNT



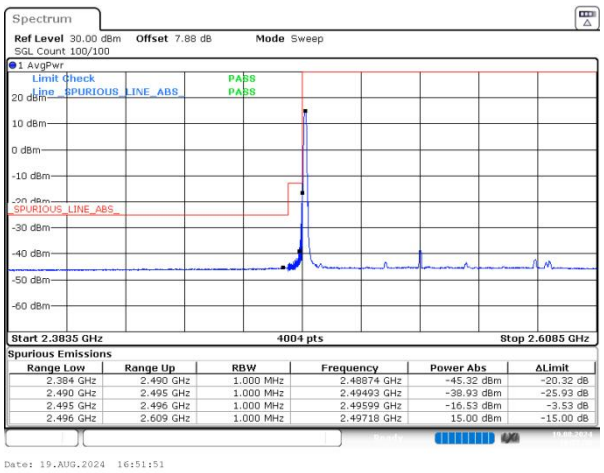

n41 SCS=30kHz DFT_16QAM BW=90MHz

LowChannel=508200 RB=1@0 NVNT



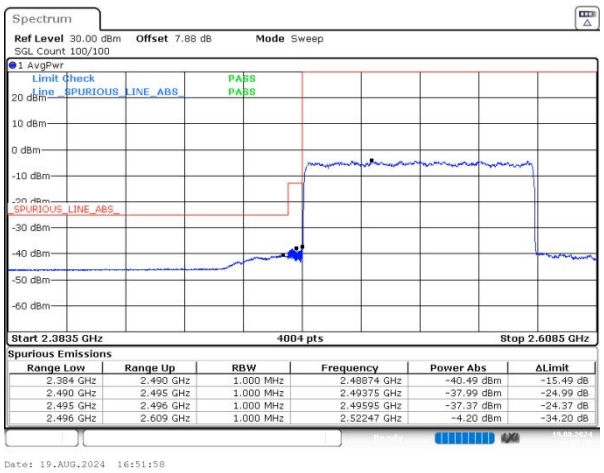

n41 SCS=30kHz DFT_16QAM BW=90MHz

LowChannel=508200 RB=243@0 NVNT



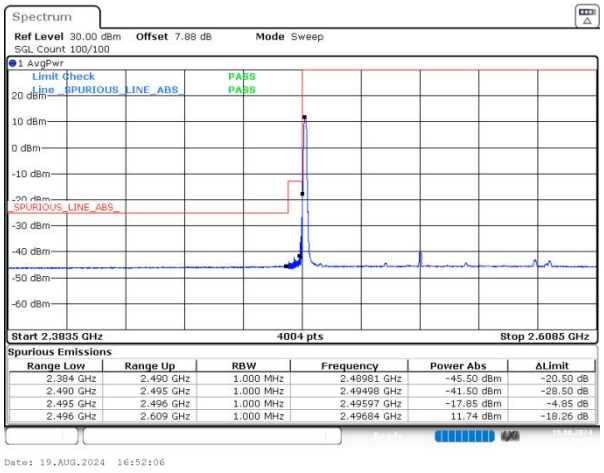

n41 SCS=30kHz DFT_64QAM BW=90MHz

LowChannel=508200 RB=1@0 NVNT



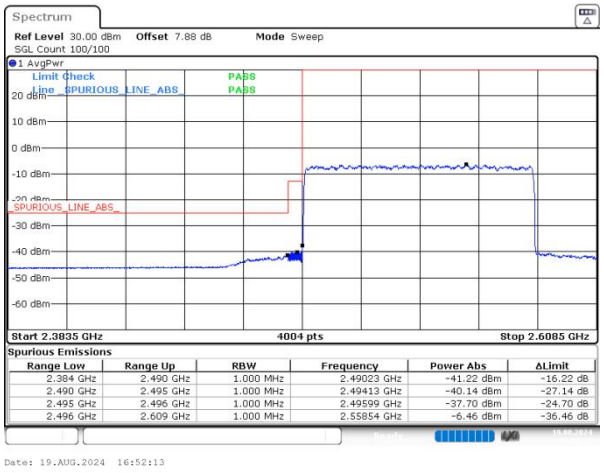

n41 SCS=30kHz DFT_64QAM BW=90MHz

LowChannel=508200 RB=243@0 NVNT



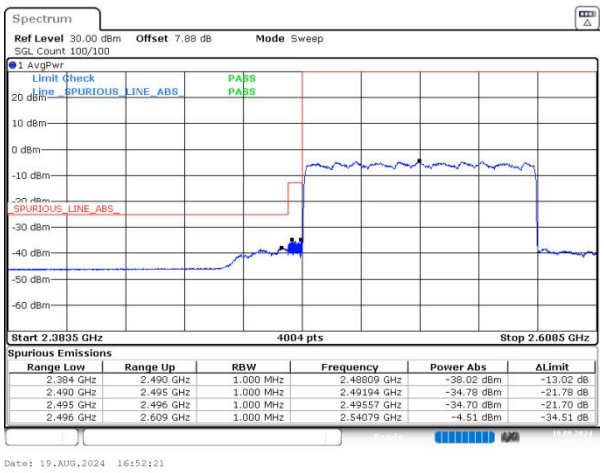

n41 SCS=30kHz DFT_256QAM BW=90MHz

LowChannel=508200 RB=1@0 NVNT




n41 SCS=30kHz DFT_256QAM BW=90MHz

LowChannel=508200 RB=243@0 NVNT

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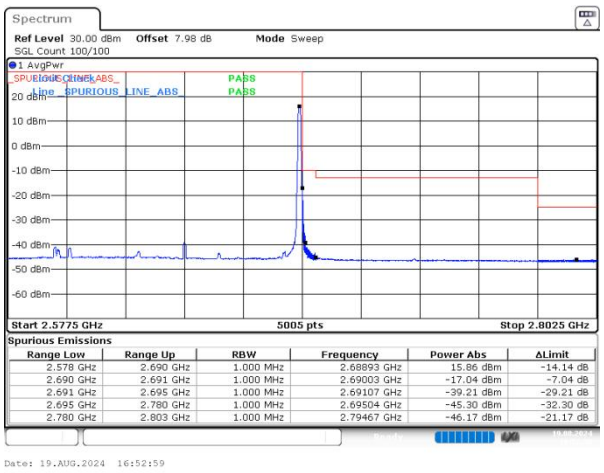
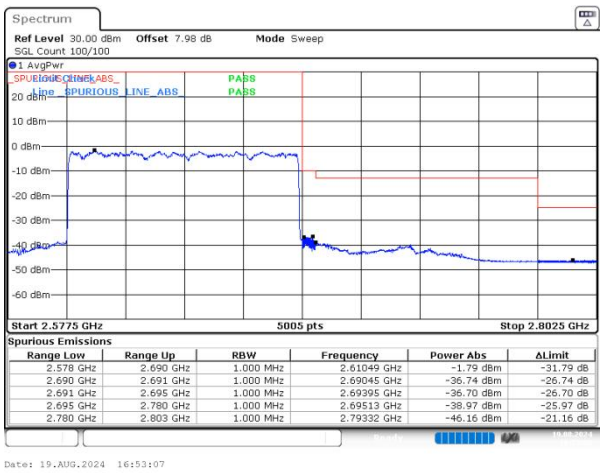
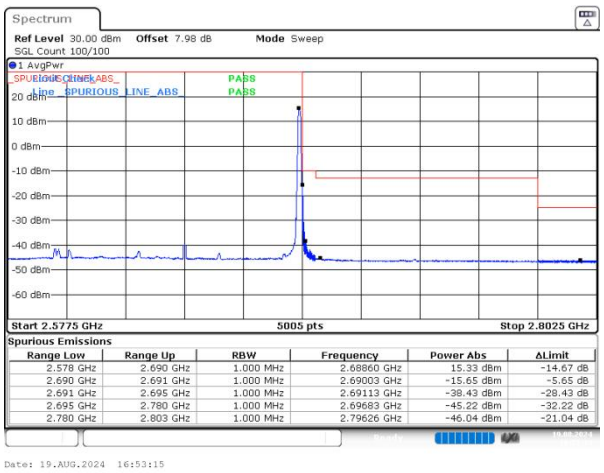


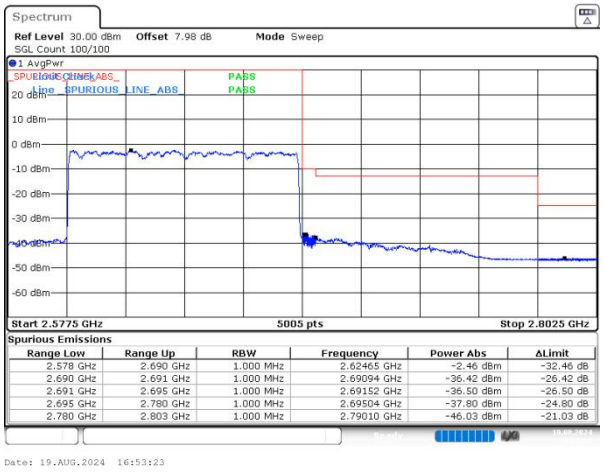

n41 SCS=30kHz DFT_BPSK BW=90MHz HighChannel=528996 RB=1@244 NVNT



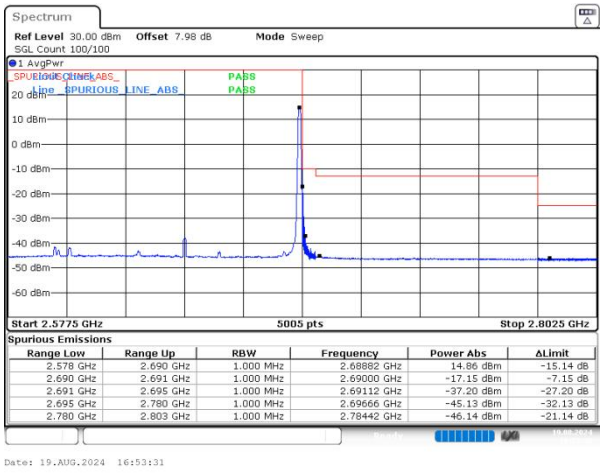

n41 SCS=30kHz DFT_BPSK BW=90MHz HighChannel=528996 RB=243@0 NVNT



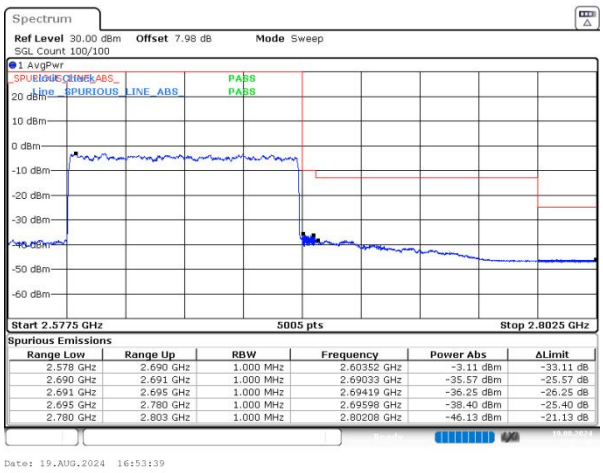

n41 SCS=30kHz DFT_QPSK BW=90MHz HighChannel=528996 RB=1@244 NVNT




n41 SCS=30kHz DFT_QPSK BW=90MHz HighChannel=528996 RB=243@0 NVNT

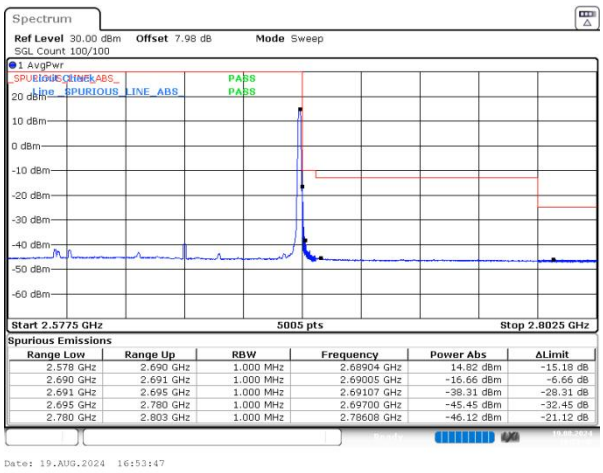



n41 SCS=30kHz DFT_16QAM BW=90MHz HighChannel=528996 RB=1@244 NVNT



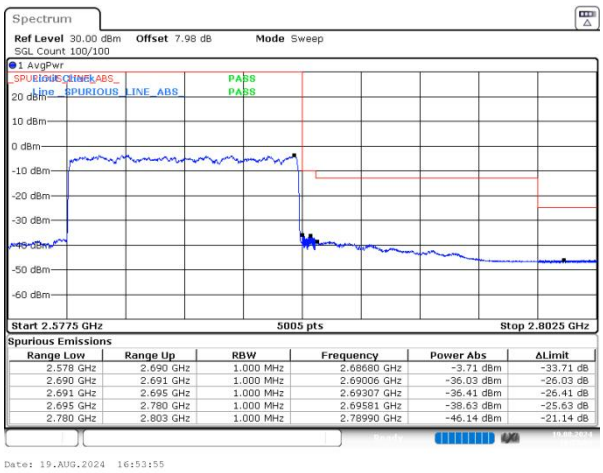

n41 SCS=30kHz DFT_16QAM BW=90MHz

HighChannel=528996 RB=243@0 NVNT



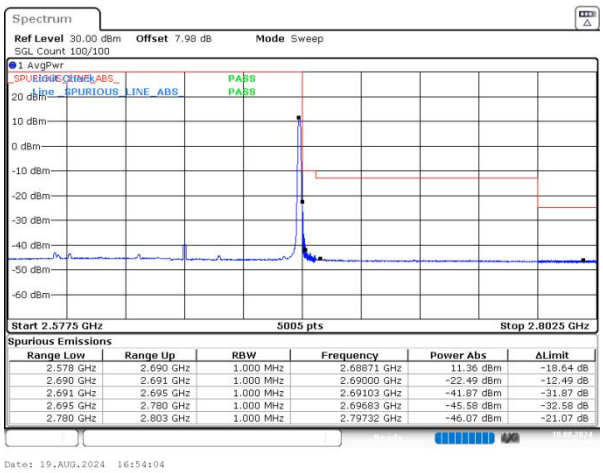

n41 SCS=30kHz DFT_64QAM BW=90MHz

HighChannel=528996 RB=1@244 NVNT



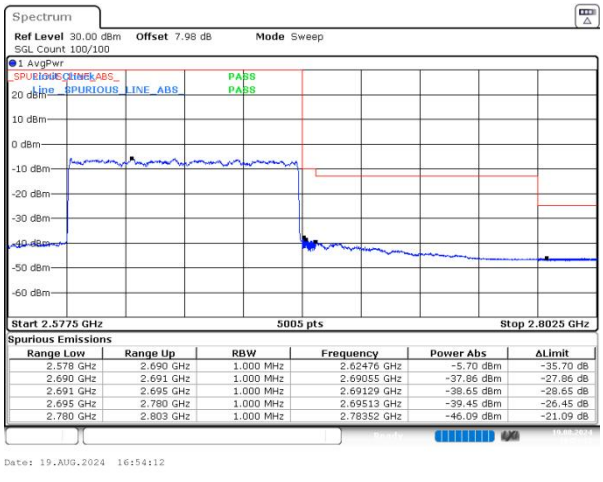

n41 SCS=30kHz DFT_64QAM BW=90MHz

HighChannel=528996 RB=243@0 NVNT



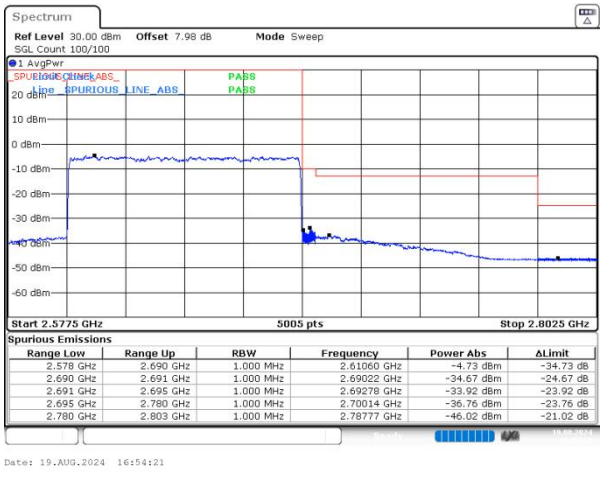

n41 SCS=30kHz DFT_256QAM BW=90MHz

HighChannel=528996 RB=1@244 NVNT



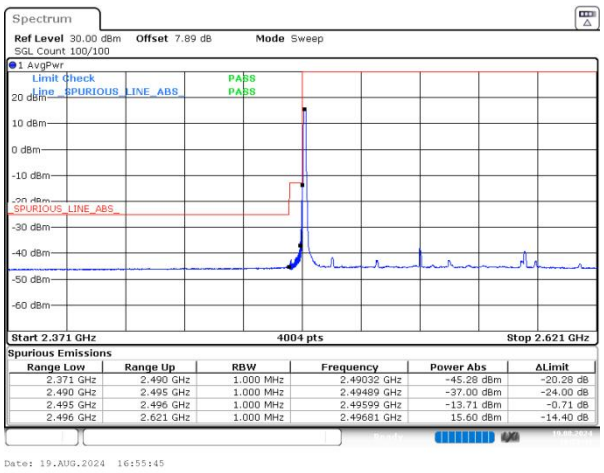

n41 SCS=30kHz DFT_256QAM BW=90MHz

HighChannel=528996 RB=243@0 NVNT



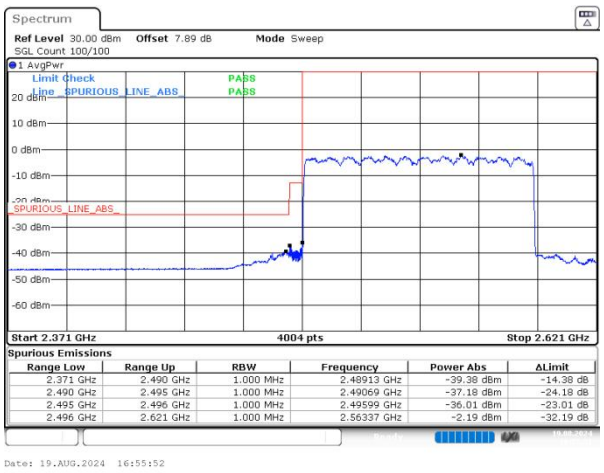

n41 SCS=30kHz CP_QPSK BW=90MHz HighChannel=528996

RB=245@0 NVNT



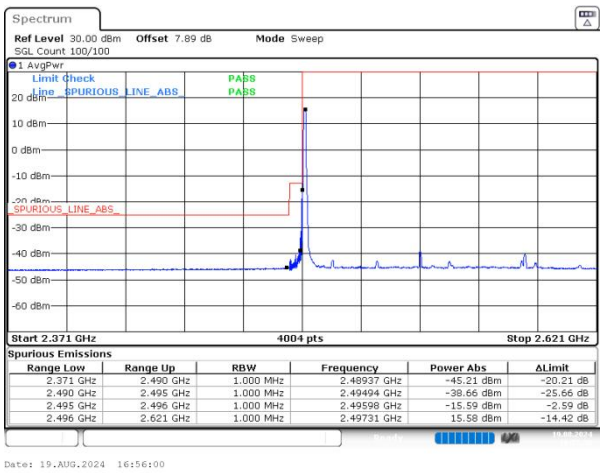

n41 SCS=30kHz DFT_BPSK BW=100MHz

LowChannel=509202 RB=1@0 NVNT



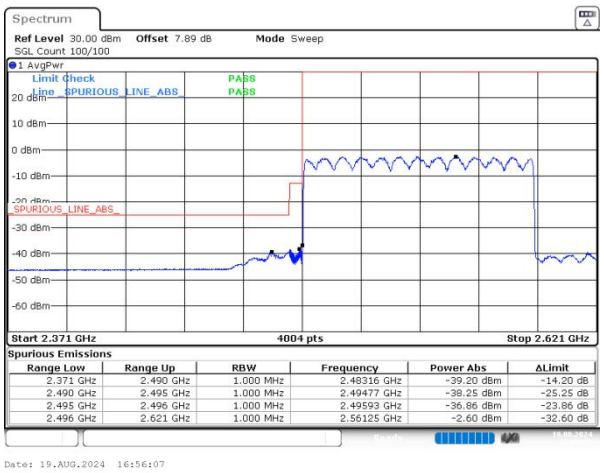

n41 SCS=30kHz DFT_BPSK BW=100MHz

LowChannel=509202 RB=270@0 NVNT



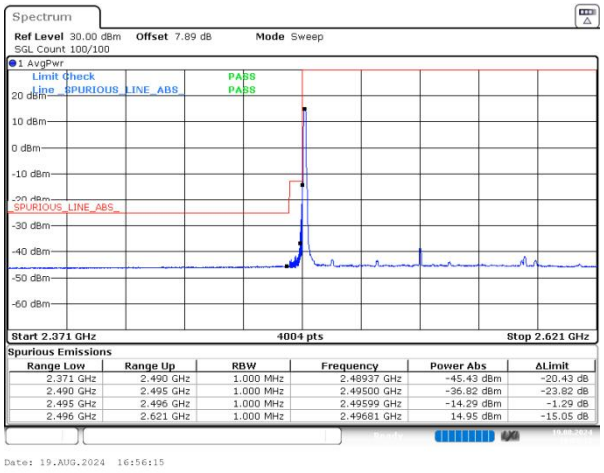

n41 SCS=30kHz DFT_QPSK BW=100MHz

LowChannel=509202 RB=1@0 NVNT



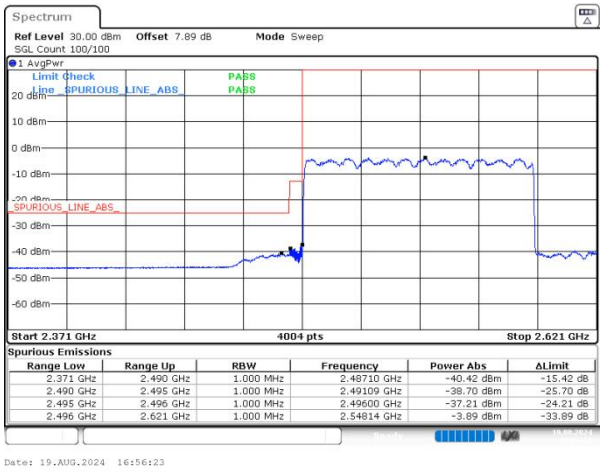

n41 SCS=30kHz DFT_QPSK BW=100MHz

LowChannel=509202 RB=270@0 NVNT



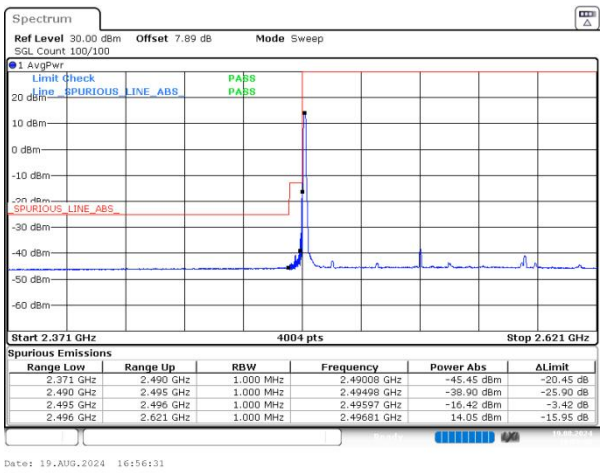

n41 SCS=30kHz DFT_16QAM BW=100MHz

LowChannel=509202 RB=1@0 NVNT



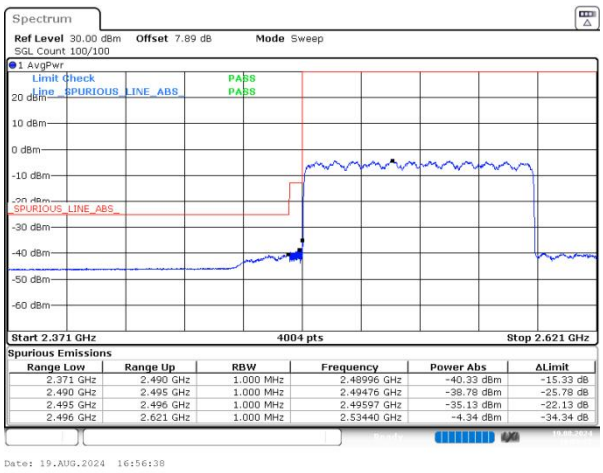

n41 SCS=30kHz DFT_16QAM BW=100MHz

LowChannel=509202 RB=270@0 NVNT



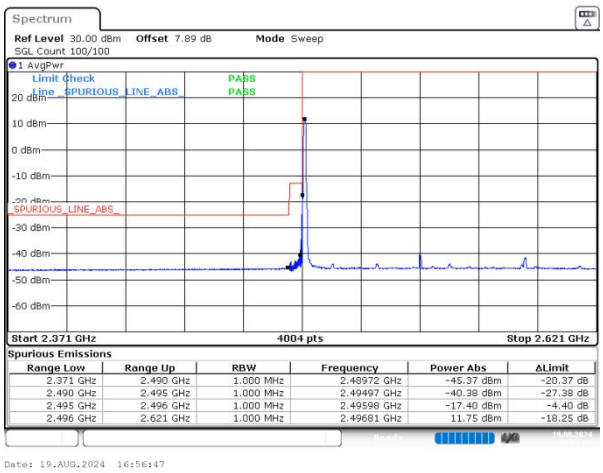

n41 SCS=30kHz DFT_64QAM BW=100MHz

LowChannel=509202 RB=1@0 NVNT



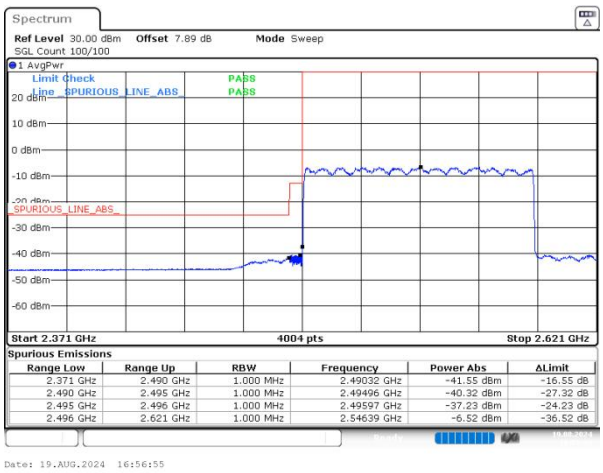

n41 SCS=30kHz DFT_64QAM BW=100MHz

LowChannel=509202 RB=270@0 NVNT



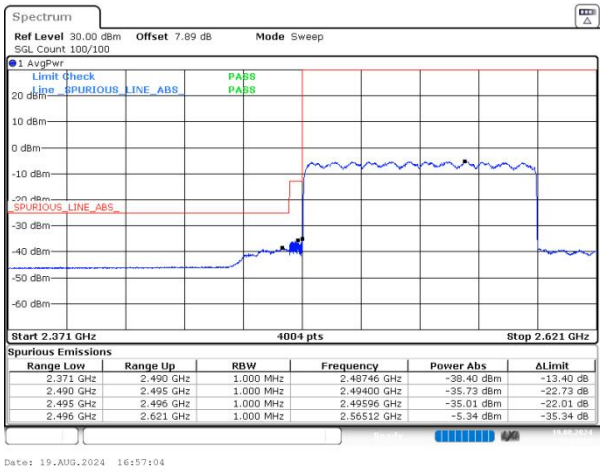

n41 SCS=30kHz DFT_256QAM BW=100MHz

LowChannel=509202 RB=1@0 NVNT



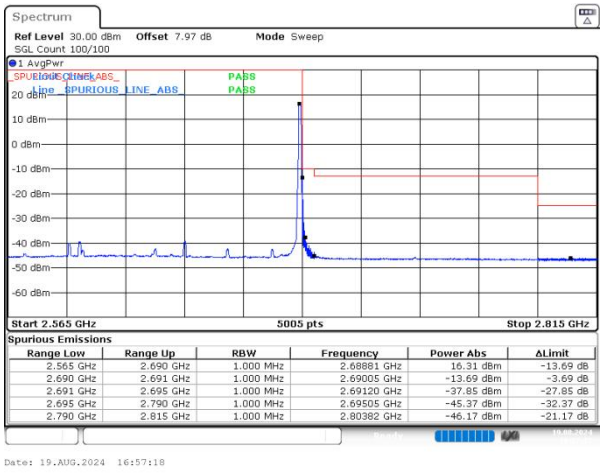

n41 SCS=30kHz DFT_256QAM BW=100MHz

LowChannel=509202 RB=270@0 NVNT



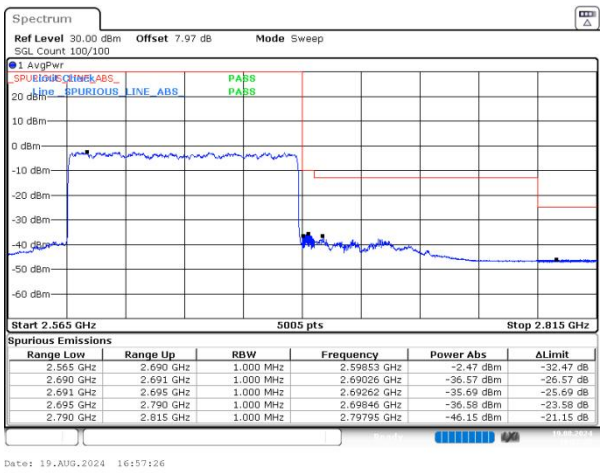

n41 SCS=30kHz CP_QPSK BW=100MHz LowChannel=509202

RB=273@0 NVNT



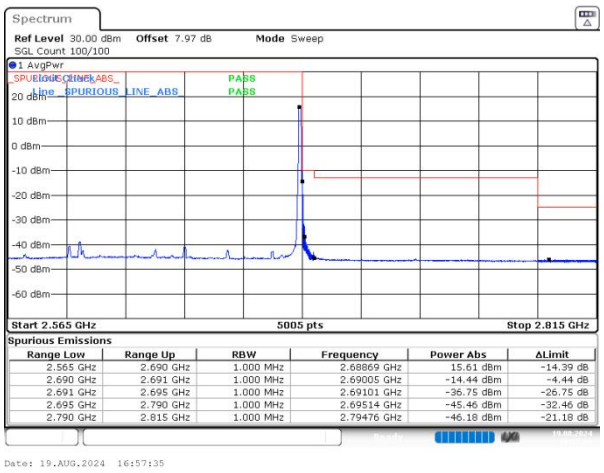

n41 SCS=30kHz DFT_BPSK BW=100MHz

HighChannel=528000 RB=1@272 NVNT



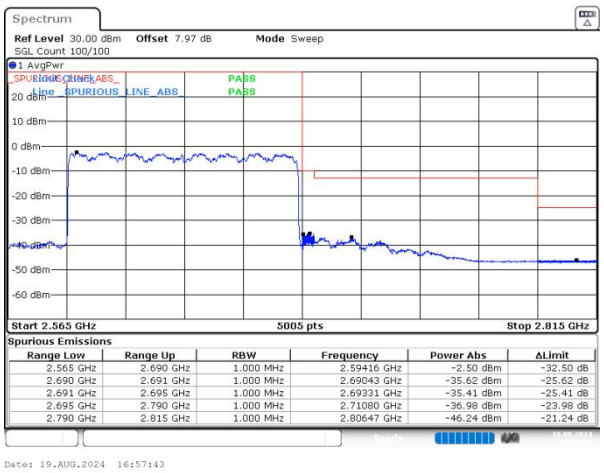

n41 SCS=30kHz DFT_BPSK BW=100MHz

HighChannel=528000 RB=270@0 NVNT



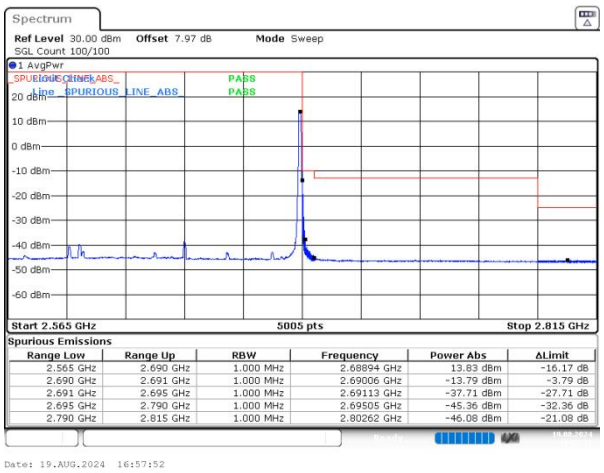

n41 SCS=30kHz DFT_QPSK BW=100MHz

HighChannel=528000 RB=1@272 NVNT



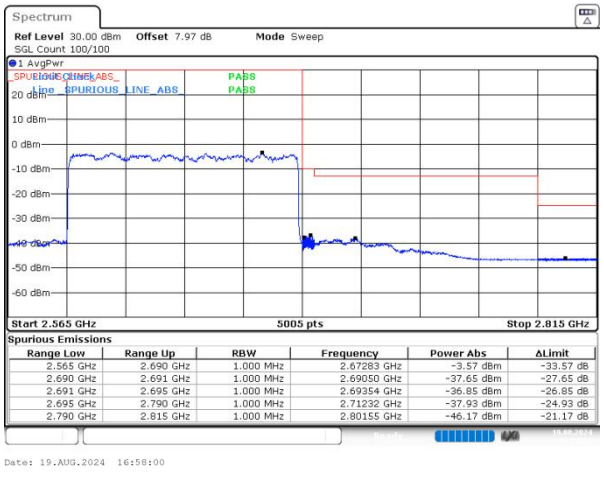

n41 SCS=30kHz DFT_QPSK BW=100MHz

HighChannel=528000 RB=270@0 NVNT



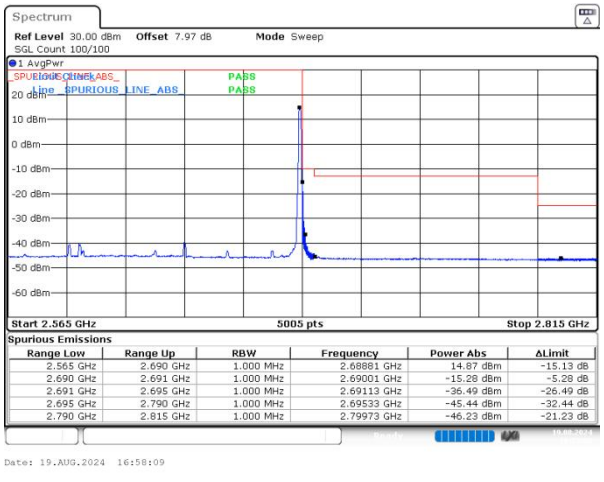

n41 SCS=30kHz DFT_16QAM BW=100MHz

HighChannel=528000 RB=1@272 NVNT



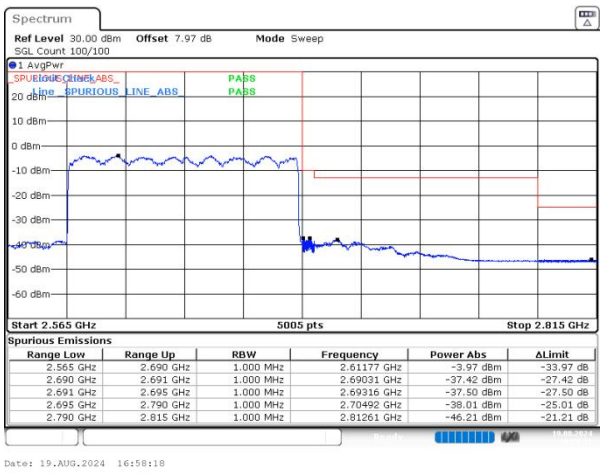

n41 SCS=30kHz DFT_16QAM BW=100MHz

HighChannel=528000 RB=270@0 NVNT



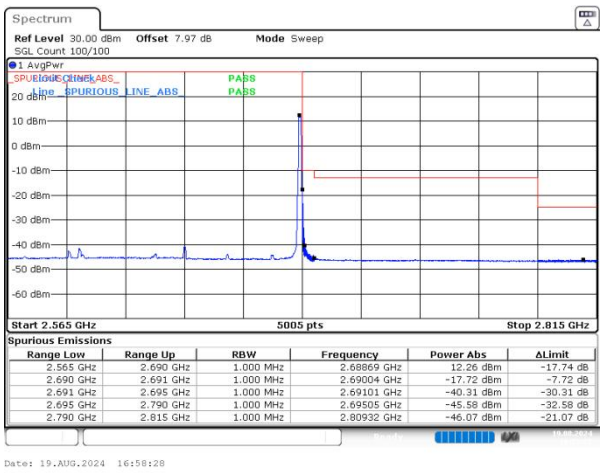

n41 SCS=30kHz DFT_64QAM BW=100MHz

HighChannel=528000 RB=1@272 NVNT



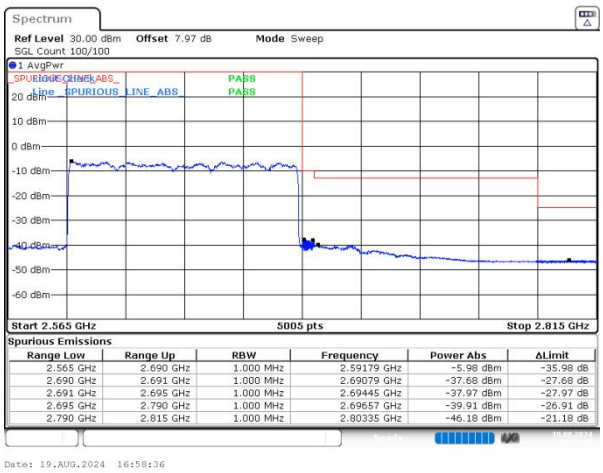

n41 SCS=30kHz DFT_64QAM BW=100MHz

HighChannel=528000 RB=270@0 NVNT



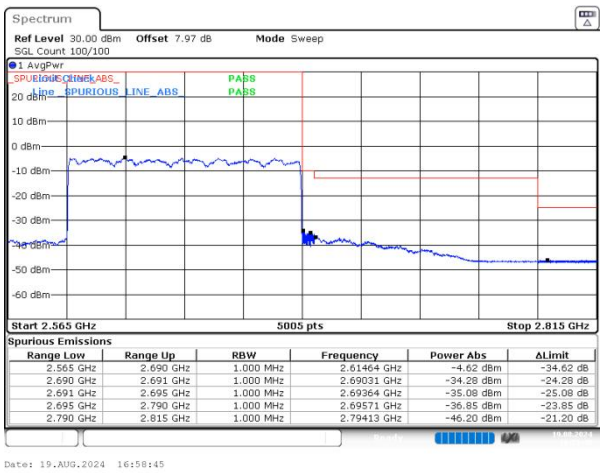

n41 SCS=30kHz DFT_256QAM BW=100MHz

HighChannel=528000 RB=1@272 NVNT




n41 SCS=30kHz DFT_256QAM BW=100MHz

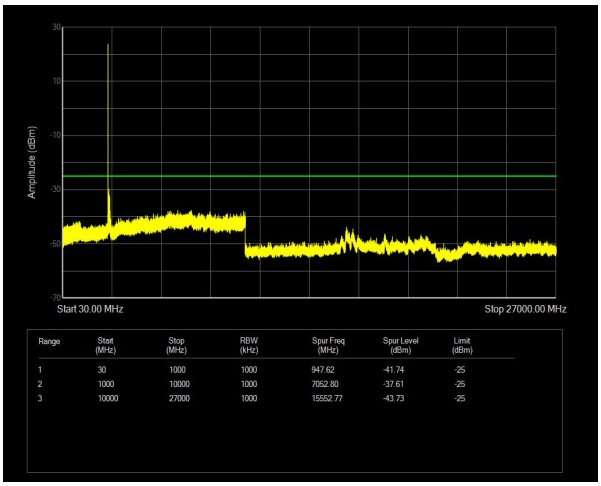
HighChannel=528000 RB=270@0 NVNT




n41 SCS=30kHz CP_QPSK BW=100MHz HighChannel=528000

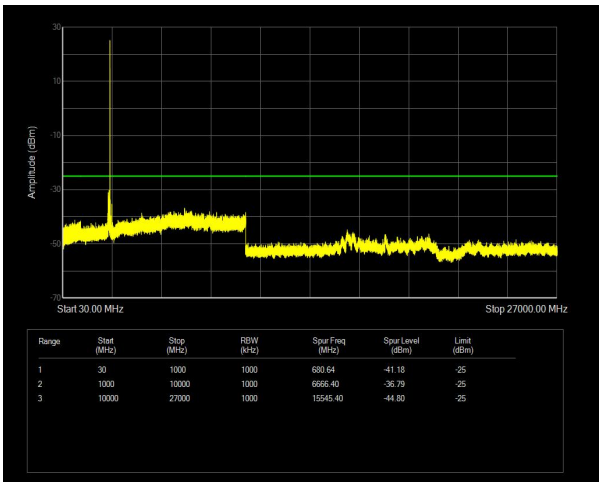
RB=273@0 NVNT

# 6. Conducted Spurious Emissions



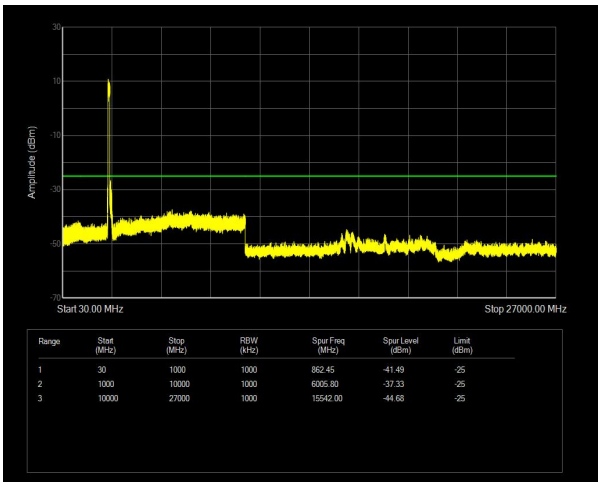

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=509202

RB=1@0 NVNT



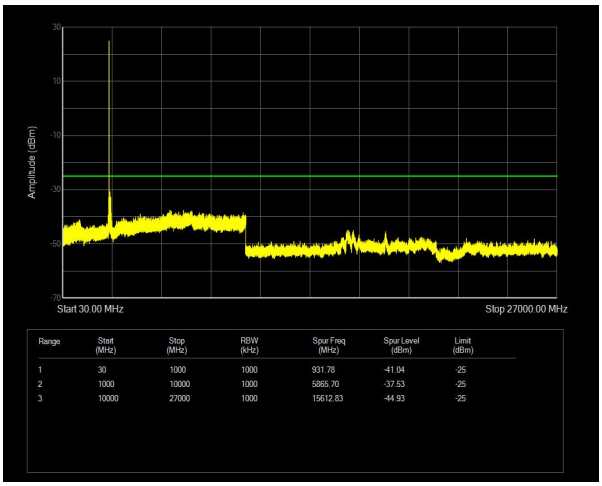

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=509202

RB=1@272 NVNT



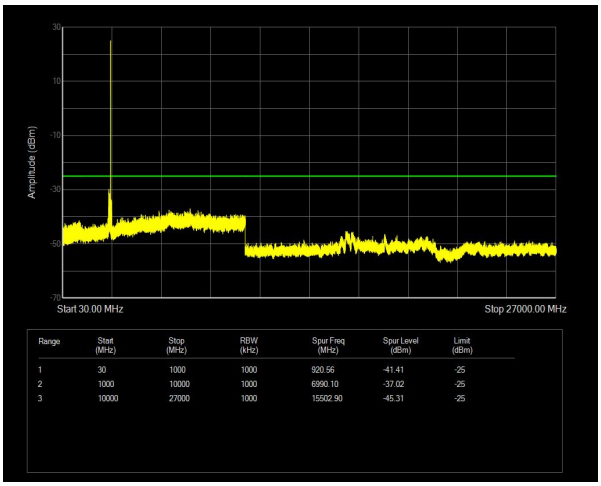

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=509202

RB=270@0 NVNT



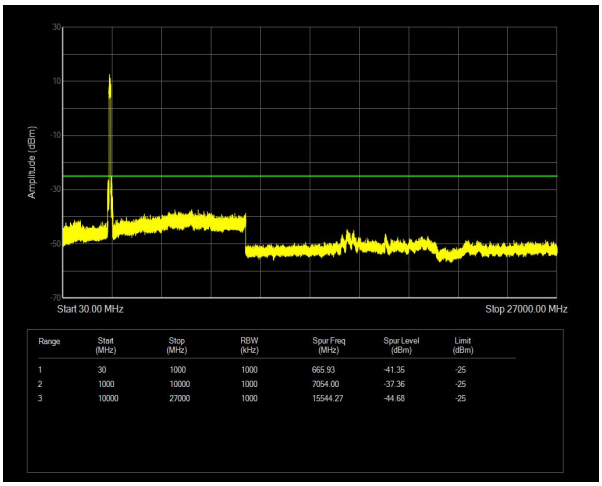

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598

RB=1@0 NVNT



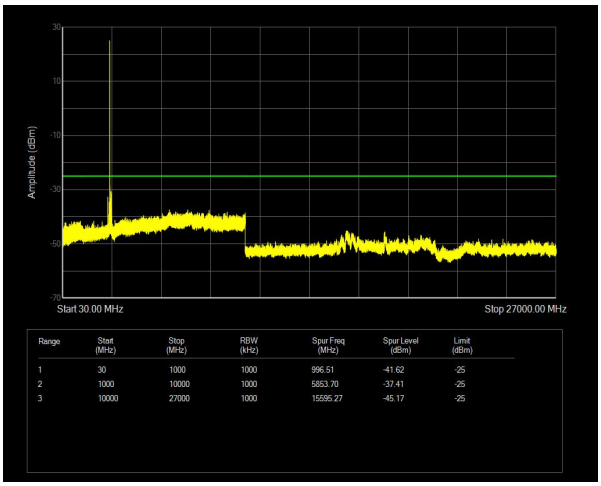

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598

RB=1@272 NVNT



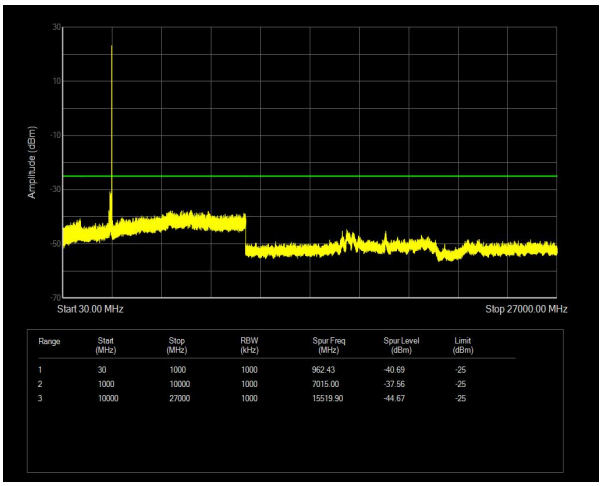

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598

RB=270@0 NVNT



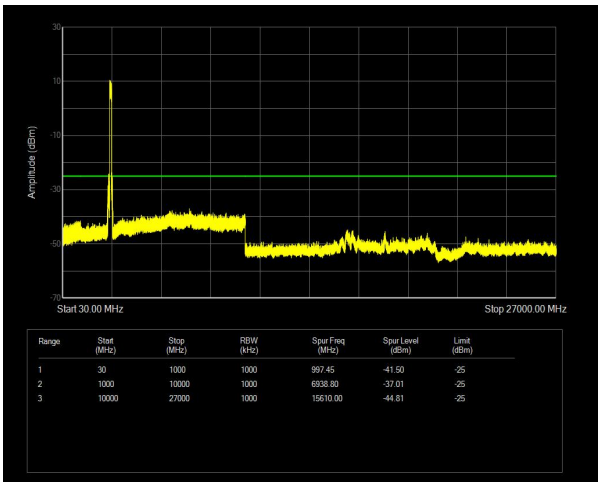

n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=528000

RB=1@0 NVNT




n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=528000

RB=1@272 NVNT




n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=528000

RB=270@0 NVNT

# 7. Radiated Spurious Emissions

| n38 - DFT-s-OFDM - PI/2 BPSK - 40M - Middle Channel | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA. Reading (dBm) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5160 | -49.24 | -25 | -24.24 | -61.85 | -55.27 | 5.61 | 11.64 | H | Pass |
| 5760 | -41.49 | -25 | -16.49 | -55.31 | -47.52 | 5.97 | 12.00 | H | Pass |
| 13185 | -41.08 | -25 | -16.08 | -68.68 | -44.71 | 8.84 | 12.47 | H | Pass |
| 8400 | -47.02 | -25 | -22.02 | -65.84 | -39.02 | 6.91 | 11.2 | V | Pass |
| 11565 | -43.29 | -25 | -18.29 | -68.64 | -53.31 | 8.11 | 12.72 | V | Pass |
| 15075 | -40.18 | -25 | -15.18 | -68.41 | -55.70 | 10.45 | 14.35 | V | Pass |
| **n41 - DFT-s-OFDM - PI/2 BPSK - 100M - High Channel** | | | | | | | | | |
| Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA. Reading (dBm) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 5805 | -50.29 | -25 | -25.29 | -64.17 | -56.24 | 5.99 | 11.94 | H | Pass |
| 11505 | -42.48 | -25 | -17.48 | -67.86 | -46.82 | 8.08 | 12.42 | H | Pass |
| 14925 | -40.12 | -25 | -15.12 | -67.44 | -43.71 | 10.31 | 13.90 | H | Pass |
| 8490 | -47.06 | -25 | -22.06 | -65.86 | -68.12 | 6.95 | 11.58 | V | Pass |
| 10320 | -43.59 | -25 | -18.59 | -66.13 | -79.93 | 7.57 | 11.72 | V | Pass |
| 13065 | -41.24 | -25 | -16.24 | -68.73 | -79.18 | 8.78 | 12.65 | V | Pass |
| **DC_5A_n41A - DFT-s-OFDM - PI/2 BPSK - 100M - Middle Channel** | | | | | | | | | |
| Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | SPA. Reading (dBm) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 7430 | -44.59 | -25 | -19.59 | -64.79 | -49.39 | 6.56 | 11.36 | H | Pass |
| 11518 | -39.52 | -25 | -14.52 | -64.71 | -43.93 | 8.08 | 12.49 | H | Pass |
| 13730 | -36.68 | -25 | -11.68 | -63.91 | -40.18 | 9.12 | 12.62 | H | Pass |
| 6884 | -45.12 | -25 | -20.12 | -62.76 | -50.04 | 6.38 | 11.3 | V | Pass |
| 13492 | -37.35 | -25 | -12.35 | -64.66 | -41.20 | 9.00 | 12.85 | V | Pass |
| 15004 | -35.74 | -25 | -10.74 | -64.18 | -39.55 | 10.40 | 14.21 | V | Pass |

**Note:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.