

| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 1-DH1 | 2402 | 0.39 | 124.8 | 31600 | 400 | Pass |
| NVNT | 1-DH1 | 2441 | 0.364 | 116.48 | 31600 | 400 | Pass |
| NVNT | 1-DH1 | 2480 | 0.3875 | 124 | 31600 | 400 | Pass |

Dwell NVNT 1-DH1 2402MHz

| Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC | SENSE:I | NT | ALIGN AUTO | 02-03 | 5:07 PM Apr 26, 2020 |
|--|--|--|--|--|---|
| Center Freq 2.402000000 GH | Z Tri PNO: Fast Tri | g Delay-1.000 ms g: Video ten: 20 dB | | | TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P NNNN |
| Ref Offset 11.32 dB 10 dB/div Ref 20.00 dBm | | | | ΔMkı | r1 390.0 µs 1.07 dB |
| | | | | | |
| -10.0 | | | | | |
| -30.0 | | | | | TRIG LVL |
| -40.0 -50.0 | <mark>l'alle it dan andar it andar andara dan andara a</mark> | | in a star in the star of the star of the star in the | a na faran ar an | en a la frencia de la compañía de la |
| | والمحارية الملاقع إلى أوراقتهم والعالية | <mark>(¹17))⁽¹¹10), Lepelly</mark> e | ast glopping and grant | , den staten bereiten bereiten der Alter | والمأسار فالاستناء الأم |
| | | | | | |
| Center 2.402000000 GHz Res BW 1.0 MHz | #VBW 3.0 | MHz | | Sweep 5.000 m | Span 0 Hz s (10001 pts) |
| Center 2.402000000 GHz Res BW 1.0 MHz | Y | | FUNCTION WIDTH | Sweep 5.000 m | is (10001 pts) |
| Center 2.402000000 GHz Res BW 1.0 MHz MKR MODELTRC SCL X 1 A2 1 t (A) 39/ 2 F 1 t 1.0 | | | FUNCTION WIDTH | - | is (10001 pts) |
| Δ 1 2 Center 2.402000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 394 2 F 1 t 1.0(3) 394 3 - - 1.0(3) - 1.0(3) | Υ 0.0 μs (Δ) 1.07 dB | | FUNCTION WIDTH | - | is (10001 pts) |
| Center 2.402000000 GHz Res BW 1.0 MHz MKR MODEL TRCI SCL 1 A2 2 F 1 t 1.0 | Υ 0.0 μs (Δ) 1.07 dB | | FUNCTION WIDTH | - | s (10001 pts |
| Center 2.402000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 39(2 F 1 t 1.00 3 4 5 5 6 6 7 7 4 | Υ 0.0 μs (Δ) 1.07 dB | | FUNCTION WIDTH | - | is (10001 pts) |
| Center 2.402000000 GHz Res BW 1.0 MHz MXR MODE TRC SCI X 1 A2 1 t (A) 39(2 F 1 t 1.0 (A) 3 4 5 5 6 6 7 8 9 9 | Υ 0.0 μs (Δ) 1.07 dB | | FUNCTION WIDTH | - | is (10001 pts) |
| Center 2.402000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 39(2 F 1 t 1.0(3 4 5 6 6 7 8 9 | Υ 0.0 μs (Δ) 1.07 dB | | FUNCTION WIDTH | - | s (10001 pts |

Dwell NVNT 1-DH1 2441MHz

| Keysight Spectrum Analyzer - Swept SA | | | | | | |
|--|---|--|--|-----------------------------------|--|---|
| R RF 50 Ω AC Center Freq 2.441000000 GHz | SENSE:I | nt Delay-1.000 ms | ALIGN AUTO Avg Type: | : Log-Pwr | | PM Apr 26, 202 |
| | | g: Video ten: 20 dB | | _ | T | |
| Ref Offset 11.37 dB | | | | | ΔMkr1 | 364.0 µ |
| 10 dB/div Ref 20.00 dBm | | | | | | -0.70 di |
| 10.0 | | | | | | |
| 0.00 | 142 | | | | | |
| -10.0 | | | | | | |
| -20.0 | | | | | | |
| -30.0 | | | | | | TRIG LV |
| -40.0 | | | | | | |
| F0 0 | | | | | | |
| -50.0 | hand helion built and her structed in the | والمتلافة ومعروط بالتالي أورافه والتقد | والمتلقلة ومرتبقا ومأتو بأرا | بقر القرير أيتر الطراب الأربع الأ | والكرد وأريبته والمواريك | hilling and set of the second seco |
| -50.0 (fright) bely (fright) privite (fright) -60.0 white way below a fright (fright) below (fright) | lana, penyakati pendikan japati kan bat na sa ali maki si karang dalam terdi | et di Bertani ya Kingin nenga Kingi Kata di La Kata sa Lan di La ma | and the second second | Take in the second | n da dan seria da sinia. In da la seria seria da sinia da s | liti pirintenti Internetati |
| ويتعبد والدائية والمتلاط والمتلاف المترج والمعادر والأمراك والمترا | | a san fa ba ƙ | n de ser de la ser d Ser de la ser de la se | Take in the second | <mark>nala na ana ana ana ana ana ana ana ana </mark> | ultin pinin pinin pini <mark>1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,</mark> |
| | ing model in the second se Second second | a san fa ba ƙ | and the second second | Take in the second | | Span 0 H |
| .00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | #VBW 3.0 | | and the second second | | | Span 0 H (10001 pt |
| 60.0 70.0 Center 2.441000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X | #VBW 3.0 | | and the second second | Sweep | | Span 0 H |
| 60.0 70.0 Center 2.441000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| 60 0 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<> | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| Co 0 Co 0 </td <td>#VBW 3.0</td> <td></td> <td><mark>ulahiji aliy</mark> interdidikali</td> <td>Sweep</td> <td>5.000 ms (</td> <td>Span 0 H (10001 pt</td> | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| Center 2.441000000 GHz Center 2.441000000 GHz Res BW 1.0 MHz MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 364.0 2 F 1 t 1.010 r 3 4 3 4 4 3 3 3 3 4 3 4 3 | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| Content < | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| Co 0 Co 0 <thco 0<="" th=""> Co 0 Co 0 <th< td=""><td>#VBW 3.0</td><td></td><td><mark>ulahiji aliy</mark> interdidikali</td><td>Sweep</td><td>5.000 ms (</td><td>Span 0 H (10001 pt</td></th<></thco> | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |
| 60.0 1 <td>#VBW 3.0</td> <td></td> <td><mark>ulahiji aliy</mark> interdidikali</td> <td>Sweep</td> <td>5.000 ms (</td> <td>Span 0 H (10001 pt</td> | #VBW 3.0 | | <mark>ulahiji aliy</mark> interdidikali | Sweep | 5.000 ms (| Span 0 H (10001 pt |



Dwell NVNT 1-DH1 2480MHz

| Keysight Spectrum Analyzer - Swept SA | | | |
|--|--|--|--|
| 24 R RF 50 Ω AC Center Freq 2.480000000 GHz | SENSE:INT Trig Delay-1.000 PNO: Fast → Trig: Video IFGain:Low Atten: 20 dB | ALIGN AUTO Oms Avg Type: Log-Pw | 02:10:10 PM Apr 26, 2020 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N |
| Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm | | | ΔMkr1 387.5 μs 5.04 dB |
| 0.00 | 1Δ2 | | |
| -10.0 | | | TRIG LVL |
| -40.0 | | | |
| -60.0 | and provide the standard of the Standard of the standard of the | n den metropik produktion bereinen die beken of 1 beweine zuer den inderen die beken politiken (n. 1 | n ha hann hann an den sa had dan disar da gan baran baran. 1914 - Anna Angelan ha han da sa disar da sa hanna ka ka 1914 - Anna Angelan hanna ka |
| Center 2.480000000 GHz Res BW 1.0 MHz | #VBW 3.0 MHz | Sv | Span 0 Hz veep 5.000 ms (10001 pts) |
| MKR MODE TRC SCL X | Y FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 387.5 μ 2 F 1 t 1.005 m 3 4 5 5 5 | | | |
| 6 7 8 | | | |
| 9 10 | | | |
| | m | | • |

| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 1-DH3 | 2402 | 1.654 | 264.64 | 31600 | 400 | Pass |
| NVNT | 1-DH3 | 2441 | 1.644 | 263.04 | 31600 | 400 | Pass |
| NVNT | 1-DH3 | 2480 | 1.643 | 262.88 | 31600 | 400 | Pass |

Dwell NVNT 1-DH3 2402MHz

| Keysight Spectrum Analyzer - Swept SA | | | - @ <mark>- ×</mark> |
|--|--|---|---|
| | SENSE:INT Trig Delay-1.0 NO: Fast Trig: Video Gain:Low Atten: 20 dB | ALIGN AUTO 00 ms Avg Type: L | 02:14:01 PM Apr26, 2020 -og-Pwr TRACE 1 2 3 4 5 6 TYPE WWWWW DET P.N.N.N.N |
| Ref Offset 11.32 dB 10 dB/div Ref 20.00 dBm | | | ΔMkr1 1.654 ms 0.62 dB |
| 10.0 | | | |
| -10.0 X 1997 10110 | | 1Δ2 | |
| -20.0 | e, podro nindnis podro da sta interneti de la deserva da se da el de la deserva da se de la deserva de la dese Na contra de la deserva de s | | TRIG LVL |
| -40.0 | | | |
| -50.0 | | | ne hali ha a sena a na fite di na sena fiti pi te na a sena fitera di pana pina di pana pina di pana pina di pa |
| | | a pipi pipi pipi pipi pipi pipi pipi pi | |
| Center 2.402000000 GHz Res BW 1.0 MHz | #VBW 3.0 MHz | | Span 0 Hz Sweep 5.000 ms (10001 pts) |
| MKR MODE TRC SCL X | Y FUNCTIO | N FUNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 1.654 ms 2 F 1 t 1.003 ms | (Δ) 0.62 dB -11.45 dBm | | |
| 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | |
| 5 6 | | | E |
| 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | |
| 9 | | | |
| | | | |
| MSG | | STATUS | |



Dwell NVNT 1-DH3 2441MHz

| 🗶 R RF 50Ω AC | | | | | |
|--|---|---------------------------|--------------------------------|-------------------------------------|---|
| Center Freq 2.4410000 | | SENSE:INT Trig Dela | ALIGN A | UTO vg Type: Log-Pwr | 02:17:20 PM Apr 26, 2 TRACE 1 2 3 4 |
| | PNO: Fa IFGain:L | | | | DET P N N N |
| Ref Offset 11.37 | dP | | | | ΔMkr1 1.644 n |
| 10 dB/div Ref 20.00 dBn | n n | | | | 2.00 c |
| 10.0 | | | 1Δ2 | | |
| 0.00 | v | | | | |
| -10.0 | X2 | | | | |
| -20.0 | | | | | |
| -30.0 | | | | | TRIG |
| -40.0 | | | | | |
| | 1 | | week in the state of the state | tilden her stimp blev ti | n kala di kala kala pelena dapat per pe |
| | l . | | Peter Contraction | iki sa ng sa ang babata is da sa ka | يعاقر ومطاطعت فالاطفاعا الامقام والمراط |
| | | | | | |
| Center 2.441000000 GHz Res BW 1.0 MHz | | #VBW 3.0 MH | 7 | Swee | 5.000 ms (10001 p |
| | X | | NCTION FUNCTION W | | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t | 1.644 ms (Δ) 1.002 ms | 2.00 dB -2.59 dBm | | | |
| 3 | 1.002 1115 | -2.39 0011 | | | |
| 5 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| • | | III | | | |
| ISG | | | | TATUS | |
| | Dw | ell NVNT 1- | DH3 2480M | Hz | |
| 📕 Keysight Spectrum Analyzer - Swept SA 🕱 R RF 50 Ω AC | | SENSE:INT | ALIGN A | UTO | 02:19:25 PM Apr 26, 2 |
| Center Freq 2.4800000 | 00 GHz | Trig Dela | y-1.000 ms A | vg Type: Log-Pwr | TRACE 1 2 3 4 |
| | PNO: Fa | 131 | | | TYPE WWWW DET P N N N |
| | IFGain:L | | 000 | | |
| Ref Offset 11.4 d | IFGain:L | | | | ΔMkr1 1.643 n |
| Ref Offset 11.4 di 10 dB/div Ref 20.00 dBn | IFGain:L | | | | |
| Ref Offset 11.4 dl 10 dB/div Ref 20.00 dBn | IFGain:L | | | | ΔMkr1 1.643 n |
| 10 dB/div Ref 20.00 dBn | IFGain:L | | | | ΔMkr1 1.643 n |
| 10 dB/div Ref 20.00 dBn | IFGain:L B M | | 1Δ2 | | ΔMkr1 1.643 n |
| 10 dB/div Ref 20.00 dBn | IFGain:L | | 1Δ2 | | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn | IFGain:L B M | | 1Δ2 | | ΔMkr1 1.643 n |
| 10 dB/div Ref 20.00 dBn | IFGain:L B M | | 1Δ2 | | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 0 dB/div Ref 20.00 dBn 0.00 -10.0 -10.0 -20.0 -30.0 -40.0 -50 | B M | | | | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 0 dB/div Ref 20.00 dBn 0.00 -10.0 -10.0 -20.0 -30.0 -40.0 -50 | B M | | | | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn -0 g 10 0 -0 0 -0 0 -0 0 -0 0 -0 0 -0 0 -0 0 | IFGain:L B M X IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | | | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn - 9g 10 0 10 0 10 10 0 10 0 1 | IFGain:L B M X IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | | un di pudi di di di di da da di | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn - og - 00 - 00 - 10 | IFGain:L | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 10.0 | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 10 d 10 d | IFGain:L | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 00 | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 00 | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 0 g | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 00 | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn 0 g | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH | 1Δ2 | Swee | ΔMkr1 1.643 m -0.06 c |
| 10 dB/div Ref 20.00 dBn -9g | IFGain:L В М И П П П П П П П П П П П П П П П П П П П | #VBW 3.0 MH -13.74 dBm | z | Swee | ΔMkr1 1.643 m -0.06 c |



| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 1-DH5 | 2402 | 2.921 | 311.58 | 31600 | 400 | Pass |
| NVNT | 1-DH5 | 2441 | 2.924 | 311.90 | 31600 | 400 | Pass |
| NVNT | 1-DH5 | 2480 | 2.923 | 311.80 | 31600 | 400 | Pass |

| | 0 Ω AC | | E:INT | ALIGN AUTO | | 2:24:23 PM Apr 26, 2 |
|---------------------------------------|--------------------------------|-------------------------------|---|----------------|---------------|--------------------------------------|
| ter Freq 2.402 | 2000000 GHz | PNO: Fast ↔ | Trig Delay-1.000 ı Trig: Video Atten: 20 dB | ms Avglype | :: Log-Pwr | TRACE 1 2 3 TYPE WWW DET P N N |
| Ref Offse B/div Ref 20.0 | t 11.32 dB 10 dBm | | | | ΔΜ | kr1 2.921 0.96 |
| | | | | | | |
| | X | | | | | |
| | | | | | | TRIC |
| a da da de de Minemina I de se la com | n.al.nd.add. | | | | Lilàn Letanta | Matalan di Lu adah kata Lamuta |
| , the model and the first of | <mark>lihi</mark> ang <u>h</u> | | | | - Human | |
| ter 2.40200000 BW 1.0 MHz | 0 GHz | #VBW : | 3.0 MHz | | Sweep 5.000 | Span 0 ms (10001) |
| MODE TRC SCL | Х | Y | FUNCTION | FUNCTION WIDTH | FUNCTION V | |
| Δ2 1 t (Δ) F 1 t | <u>2.921</u> 1.002 | ms (Δ) 0.96 d ms -11.68 dB | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | STATUS | | |

Dwell NVNT 1-DH5 2402MHz

Dwell NVNT 1-DH5 2441MHz

| Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC Center Freq 2.441000000 GHz | PNO: Fast +++ Tri | INT Ig Delay-1.000 ms Ig: Video Itten: 20 dB | ALIGN AUTO | | 44 PM Apr 26, 2020 TRACE 1 2 3 4 5 TYPE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
|--|-------------------|---|----------------|---|---|
| Ref Offset 11.37 dB 10 dB/div Ref 20.00 dBm | | | | ΔMkr1 | 2.924 ms -1.51 dB |
| | | | | 142 | |
| -10.0 | | | | | |
| -30.0 | | | | | TRIG LVL |
| -40.0 -50.0 | | | | in the bar of the bar | a bill and a sile of this |
| -60.0 -70.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | tel production | tell determine |
| Center 2.441000000 GHz Res BW 1.0 MHz | #VBW 3. | 0 MHz | | Sweep 5.000 ms | Span 0 Hz s (10001 pts |
| MKR MODE TRC SCL X | Y | | FUNCTION WIDTH | FUNCTION VALUE | |
| 1 Δ2 1 t (Δ) 2.924 r 2 F 1 t 1.002 r | | | | | |
| 3 4 | | | | | |
| 5 | | | | | |
| 7 | | | | | |
| 9 | | | | | |
| 11 | | | | | |
| < | | m | STATUS | | F |
| 20 | | | STATUS | | |



Dwell NVNT 1-DH5 2480MHz

| 🚺 Keysight Spectrum Analyzer - Swept SA | | | | |
|--|--------------------------------|-------------------|---------------------------------|---|
| | SENSE:IN | Delay-1.000 ms | ALIGN AUTO Avg Type: Log-Pwr | 02:30:47 PM Apr 26, 2020 TRACE 1 2 3 4 5 6 |
| Center Freq 2.480000000 GHz | PNO: East +++ Trig: | Video n: 20 dB | Avg Type. Log-Pwi | |
| Ref Offset 11.4 dB | II GUILLOW . | | | ΔMkr1 2.923 ms |
| 10 dB/div Ref 20.00 dBm | | | | 1.90 dB |
| 10.0 | | | | _1Δ2 |
| 0.00 X2 | | | | |
| -10.0 | | | | |
| -30.0 | | | | TRIG LVL |
| -40.0 | | | | |
| -50.0 | | | | <mark>ny kampina pina kampina pina kampina kampina na kampina n Na kampina na kampina na</mark> |
| -50.0 Ulu 19 of society 10 of 192 of 11 | | | | and Acatal Aktion (Application) and |
| Center 2.480000000 GHz Res BW 1.0 MHz | #VBW 3.01 | MHz | Swe | Span 0 Hz eep 5.000 ms (10001 pts) |
| MKR MODE TRC SCL X | Y | FUNCTION FUI | NCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2.923 r 2 F 1 t 1.002 r | ns (Δ) 1.90 dB ns -3.75 dBm | | | |
| 3 4 4 | | | | |
| 5 6 7 | | | | |
| 8 | | | | |
| 10 | | | | |
| | | " | | 4 |
| MSG | | | STATUS | |

| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 2-DH1 | 2402 | 0.3745 | 119.84 | 31600 | 400 | Pass |
| NVNT | 2-DH1 | 2441 | 0.3765 | 120.48 | 31600 | 400 | Pass |
| NVNT | 2-DH1 | 2480 | 0.395 | 126.4 | 31600 | 400 | Pass |

Dwell NVNT 2-DH1 2402MHz

| Keysight Spe | | | | | | | | | | | | |
|--|--|--|---------------------|---|--|----------------------------------|------------------------|--|---|---|--|--|
| R | RF | 50 Ω A 2.4020000 | | | SENS | E:INT rig Delay- | -1 000 m | | | e: Log-Pwr | | 7 PM Apr 26, 20 |
| enter Fr | eq 2 | 2.4020000 | 00 GHZ | PNO: Fas | st 🛶 T | rig: Video |) | 3 | A18 194 | . Log-i wi | | TYPE WAAAAA |
| | _ | | | IFGain:Lo | w / | Atten: 20 d | dB | | | | | DET PNNN |
| | Dof | Offset 11.32 | dD | | | | | | | | ΔMkr1 | 374.5 |
| dB/div | | 20.00 dBr | | | | | | | | | | 374.5 0.93 c |
| ^g | | | | | | | | | | | | |
| 0.0 | | | | 1Δ2 | | | | | | | | |
| .00 | | | | | | | | | | | | |
|).0 | | | | | | | | | | | | |
| 1.0 | | | and the solution of | | | | | | | | | |
| D.0 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | |
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| | ukaka | de antista alchineadad | 1 | i kan kan kan si k | hat stated by here. | المراطية القراب | المطلبة والمطلب | di kasa | an sticked and the late | h. h. maile day it in the | ana shida dhani sa b | a Marking Cardina |
| | whether | | n l | | | | alam <mark>Alam</mark> | ini, terri | et statil profesion (se se an a final statil se | <mark>n en de la politica de la composiciona de la comp</mark> | | |
| 1 ALL IN A REAL PROPERTY INTERTY IN A REAL PROPERTY IN A REAL PROPERTY INTERTY | indiation Profilip | la a plate de lla la la População de la companya de | | dan Kada ya Mala da pada | hannan hannan ^{An} n ha ⁿ san ar | n filling Ngrifing | dent dind | <mark>da anda</mark> Angana | indila antes († | la contribuin di addi Verte politica di Ana | | n a far an |
| | <mark>halbalan</mark> ¹ 7941 | n dan panan ang sa | | nan kan ya Na kan ya | <mark>Arteologian</mark> A <mark>nglig^{an} alcontei</mark> | n finite (Nghi ki di | 1990) | n <mark>n na sana <mark>Carna sana</mark></mark> | in the second | la sentetat pi danta Angenaj pitant <mark>a</mark> ng | | |
| enter 2.4 | | | | ng a standard a Ng a standard a | <mark>Alahh ^Akdoada</mark> | <mark>. Anjvitka di</mark> d | | <mark>i - Mananananananananananananananananananan</mark> | 444) 44 ₄ 0 444 | | n an Angel Standard An Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Standard Angel Angel Standard Angel S | Span 0 |
| | | | | ita a correct Ng _{la} correct | #vBW 3 | <mark>. Anjvitka di</mark> d | 1999 1999 | n nationalist Transfer | 4499) 44 <mark>44</mark> 1911 1914 1917 | | 9 5.000 ms | Span 0 (10001 p |
| enter 2.4 s BW 1 | | Hz | x | id <u>n ha</u> da aanada | #VBW 3 | .0 MHz | | | | Sweet | 5.000 ms | Span 0 (10001 p |
| enter 2.4 es BW 1 R MODE TR Δ2 1 | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | s, pilipa) | Sweet | | Span 0 (10001 p |
| enter 2.4 es BW 1 R MODE TR 1 A2 1 2 F 1 | .0 MI | Hz | x | | #VBW 3 | .0 MHz | | | s, pilipa) | Sweet | | Span 0 (10001 p |
| enter 2.4 es BW 1 R MODE TR A A2 1 3 3 | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | s, pilipa) | Sweet | | Span 0 (10001 p |
| Enter 2.4 es BW 1 R MODE TR A A2 1 2 F 1 3 4 5 5 | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | s, pilipa) | Sweet | | Span 0 (10001 p |
| enter 2.4 es BW 1 R MODE TR 1 A2 1 3 3 4 5 6 6 | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | s, pilipa) | Sweet | | Span 0 (10001 p |
| Image: All of the second sec | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | <mark>s, pilipa)</mark> | Sweet | | Span 0 (10001 p |
| Image: Non-optimized state Image: Non-optimized state cess BW 1 Image: Non-optimized state Image: Non-optimized state cess BW 1 Image: Non-optimized state Image: Non-optimized state cess BW 1 Image: Non-optimized state Image: Non-optimized state cess BW 1 Image: Non-optimized state Image: Non-optimized state cess BW 12 F 1 Image: Non-optimized state cess BW 22 F 1 Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state diate Image: Non-optimized state Image: Non-optimized state Image: Non-optimized state Image: No | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | <mark>s, pilipa)</mark> | Sweet | | Span 0 (10001 p |
| Market Markt Markt Markt <td>.0 MI</td> <td>Hz</td> <td>× 374.5 L</td> <td></td> <td>#VBW 3</td> <td>FUNC B</td> <td></td> <td></td> <td><mark>s, pilipa)</mark></td> <td>Sweet</td> <td></td> <td>Span 0 (10001 p</td> | .0 MI | Hz | × 374.5 L | | #VBW 3 | FUNC B | | | <mark>s, pilipa)</mark> | Sweet | | Span 0 (10001 p |
| Enter 2.4 es BW 1 R MODE TR C A2 1 3 3 4 5 6 6 | .0 MI | Hz | × 374.5 L | | #VBW 3 | .0 MHz | | | <mark>s, pilipa)</mark> | Sweet | | Span 0 (10001 p |



Dwell NVNT 2-DH1 2441MHz

| Keysight Spectrum Analyzer - Swept SA | | | | |
|---|--|---|--|--|
| ₩ R RF 50Ω AC Center Freq 2.441000000 |) GHz | Trig Delay-1.000 ms | ALIGN AUTO Avg Type: Log-Pwr | 02:39:40 PM Apr 26, 203 TRACE 1 2 3 4 |
| | PNO: Fast ↔→ IFGain:Low | Trig: Video Atten: 20 dB | | |
| Ref Offset 11.37 dB | | | | ΔMkr1 376.5 μ |
| dB/div Ref 20.00 dBm | | | | -1.38 d |
| 0.0 | | | | |
| 0.00 | 1Δ2 | | | |
| 10.0 X | | | | |
| 20.0 | 11 - Avala dav | | | |
| 60.0 | | | | TRIG L |
| | | | | |
| 50.0 <mark>1121 - The Contract of the Contract of Contract </mark> | | | | and the fight of the ball of the part of t |
| | <mark>, Alay I, Alay I, Perg Maria, Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Pergabatan Perg</mark> | . Ny Feleratra dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominin | a da halla da ana ba ang jabilahin da bada | h fari ban di bi pan kili ban king pang kari ke |
| | | | | |
| Center 2.441000000 GHz Res BW 1.0 MHz | #\/B | N 3.0 MHz | Swee | Span 0 H p 5.000 ms (10001 pt |
| MKRI MODELTRCI SCLI X | Y Y | | JNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) | 376.5 μs (Δ) -1.3 | 8 dB | SNC HON WIDTH | TONCHON VALUE |
| 2 F 1 t | 1.001 ms -7.94 | abm | | |
| 4 5 | | | | |
| 6 7 | | | | |
| 8 | | | | |
| 10 | | | | |
| | | III | | Þ |
| SG | | | STATUS | |
| | Dwell N | VNT 2-DH1 24 | -80MHz | |
| Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC | | SENSE:INT | ALIGN AUTO | 02:42:18 PM Apr 26, 202 |
| Center Freq 2.48000000 |) GHz | Trig Delay-1.000 ms Trig: Video | Avg Type: Log-Pwr | TRACE 1 2 3 4 |
| | PNO: Fast +++ IFGain:Low | Atten: 20 dB | | DET |
| Ref Offset 11.4 dB | | | | ΔMkr1 395.0 μ |
| 0 dB/div Ref 20.00 dBm | | | | 2.43 đ |
| 10.0 | 142 | | | |
| 0.00 | | | | |
| 10.0 | 2 | | | |
| -20.0 | | | | TRIG L |
| 30.0 | | | | |
| 40.0 50.0 | | | | |
| | | | addy any statement is not by the other | |
| | | | hi daa iyo talaa haha haha haha haha haha haha hah | |
| | | | | |
| Center 2.480000000 GHz Res BW 1.0 MHz | #\/R | N 3.0 MHz | Swee | Span 0 H p 5.000 ms (10001 pt |
| | | | | |
| MKR MODE TRC SCL X | Y | FUNCTION FU | JNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) | Υ 395.0 μs (Δ) 2.4 | 3 dB | JNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 | Y | 3 dB | JNCTION WIDTH | FUNCTION VALUE |
| 1 A2 1 t (A) 2 F 1 t 3 4 5 5 6 | Υ 395.0 μs (Δ) 2.4 | 3 dB | UNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - | Υ 395.0 μs (Δ) 2.4 | 3 dB | UNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - | Υ 395.0 μs (Δ) 2.4 | 3 dB | | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 - t - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - | Υ 395.0 μs (Δ) 2.4 | 3 dB | | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 9 - - - | Υ 395.0 μs (Δ) 2.4 | 3 dB | | FUNCTION VALUE |



| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 2-DH3 | 2402 | 1.649 | 263.84 | 31600 | 400 | Pass |
| NVNT | 2-DH3 | 2441 | 1.649 | 263.84 | 31600 | 400 | Pass |
| NVNT | 2-DH3 | 2480 | 1.649 | 263.84 | 31600 | 400 | Pass |

| | | lyzer - Swept SA | | | | | | | | | |
|---|-----------------------------|-----------------------------------|-------------------------|-------------------------|----------------|---------------------------------------|-------------------------|--|---|--|---|
| R | RF | 50 Ω AC | | | SENSE:I | | | ALIGN AUTO | | 02:5 | 7:41 PM Apr 26, 202 |
| enter Fi | req 2.4 | 4020000 | | PNO: Fast IFGain:Low | 🛶 Tri | g Delay-1.0 g: Video ten: 20 dB | 00 ms | Avg Typ | e: Log-Pwr | | TRACE 1 2 3 4 5 TYPE WWWW DET P N N N |
| 0 dB/div og r | | ffset 11.32 2 0.00 dB r | | | | | | | | ΔMkr | 1 1.649 m -1.48 d |
| | | | | | | | ▲1∆2 | | | | |
| | | | X in In Phil | | viv rin | yiniy n | | | | | |
| 3.0 | | | | | | | | | | | TRIG L |
|).0).0 <mark></mark> 0.0 | | | | | | | | | | | |
| | | ومواجاته أذريا للقاوري | | | | | الأوارين الرابي أأجراه | أعادا والمتحديدات | والألازة الستهر أنعت | والأسلاريل والمقاربة وقاربا | ومحاطرة والمتراطية |
| | | | | | | | | Handesselde open <mark>Handesselde open</mark> Handessel | ited percent existing percent of the second | ni <mark>ng kangali</mark> n Ti <mark>ng kangali</mark> n | |
| enter 2.4 | 402000 | 0000 GHz | | # | VBW 3.0 |) MHz | | and the second second | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | AN <mark>a Netta di</mark> A | Span 0 H s (10001 pt |
| enter 2.4 es BW 1 | 402000 1.0 MH: | 0000 GHz | × | 1 | Y |) MHz | 140 <mark>11</mark> 44) | and the second second | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | AN <mark>a Netta di</mark> A | is (10001 pt |
| enter 2.4 es BW 1 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| enter 2.4 es BW 1 R MODE TR A2 1 F 1 | 402000 1.0 MH: RC SCL | 0000 GHz | × | s (Δ) | Y | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| enter 2.4 es BW 1 R MODE TF A2 1 F 1 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| enter 2.4 es BW 1 R MODE TF A 2 1 2 F 1 3 5 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| enter 2.4 es BW 1 R MODE TR 1 A2 1 2 F 1 3 4 4 5 5 5 7 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| enter 2.4 es BW 1 R MODE TF 1 A2 1 2 F 1 3 3 4 5 5 5 7 7 8 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| R MODE TF R MODE TF R A2 1 R A2 1 R A2 1 R A2 1 R A3 1 R A4 1 R | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |
| es BW 1 | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | FUNCTIO | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | Span 0 H s (10001 pt |
| R MODE TF R MODE TF R A2 1 R A2 1 R A2 1 R A2 1 R A3 1 R A4 1 R | 402000 I.0 MH: | 0000 GHz | × 1.649 m | s (Δ) | Y -1.48 dB | | 140 <mark>11</mark> 44) | <mark>lla, el este a</mark> | 14,1 ^{14,1} 4,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ ,1 ⁴ | p 5.000 m | is (10001 pt |

Dwell NVNT 2-DH3 2402MHz

Dwell NVNT 2-DH3 2441MHz

| 📜 Keysight Spectrum Analyzer - Swej 📜 R RF 50 Ω | AC | SENSE: | INT | ALIGN AUT | -0 | 03:01:4 | PM Apr 26, 202 |
|--|---------------|---|---|-------------------------------------|------------------------------------|-------------------------------|--|
| Center Freq 2.44100 | PI | Tri NO:East ⊶ Tri | g Delay-1.000 g: Video ten: 20 dB | | g Type: Log-Pwr | T | ACE 1 2 3 4 5 TYPE WWWWM DET PNNNN |
| Ref Offset 11. 10 dB/div Ref 20.00 d | | | | | | ΔMkr1 | 1.649 m 0.46 dl |
| 10.0 | | | | | | | |
| 0.00 | | و مراجع منه رو الما منها اللي منه مراجع م | | IΔ2 | | | |
| -10.0 | | neildig a philippy an airtichte | le Malante M | | | | |
| -20.0 | | | | | | | TRIG L |
| -40.0 | | | | | | | |
| -50.0 AN NEW YORK OF A CARD | (M) | | <mark>.</mark> | المرور والمتحاد المتحدية والمتحد | n de bije data sterne beerde en de | a na ha tao ana ana ha tao an | |
| | | | | <mark>Universite and Andrews</mark> | | r indering and a second | lada di tan |
| Center 2.441000000 G Res BW 1.0 MHz | Hz | #VBW 3. | 0 MHz | | Swee | o 5.000 ms | Span 0 H (10001 pt |
| MKR MODE TRC SCL | × 1.649 ms | γ (Δ) 0.46 dB | FUNCTION | FUNCTION WIE | TH | FUNCTION VALUE | |
| 2 F 1 t | 1.003 ms | -6.57 dBm | | | | | |
| 4 5 | | | | | | | |
| 6 7 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 10 | | | | | | | |



Dwell NVNT 2-DH3 2480MHz

| 📁 Keysight Spectrum Analyzer - Swept SA | | | |
|---|---------------------|------------------------------------|--|
| ໝ R RF 50 Ω AC Center Freq 2.4800000000 GHz | PNO: Fast + | | 03:06:37 PM Apr 26, 2020 Log-Pwr TRACE 2:3 4 5 6 TYPE WWWWWW DET P NNNNN |
| Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm | IrGan.Low Atten. 20 | | ∆Mkr1 1.649 ms -1.69 dB |
| | | 1Δ2 | |
| -10.0 | | | |
| -20.0 | | | TRIG LVL |
| -40.0 | | la bahari buratu atas | ill tink ha de men told i popular fil han by die bewere staar dat die staar die beste die staar die beste die s |
| -60.0 | | l al desta a blad ha a desta desta | and the second |
| Center 2.480000000 GHz Res BW 1.0 MHz | #VBW 3.0 MHz | | Span 0 Hz Sweep 5.000 ms (10001 pts) |
| MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 1.649 m 2 F 1 t 1.004 m 3 | s (Δ) -1.69 dB | ICTION FUNCTION WIDTH | FUNCTION VALUE |
| 4 5 6 | | | E |
| 7 8 9 | | | |
| | III. | | • |
| MSG | | STATUS | |

| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 2-DH5 | 2402 | 2.922 | 311.69 | 31600 | 400 | Pass |
| NVNT | 2-DH5 | 2441 | 2.923 | 311.80 | 31600 | 400 | Pass |
| NVNT | 2-DH5 | 2480 | 2.923 | 311.80 | 31600 | 400 | Pass |

Dwell NVNT 2-DH5 2402MHz

| R | | nalyzer - Swept SA | | | | | | | | |
|--|--|---|-------------------|-----------------------------|----------------------|-------------------|---------------------------|------------------------------|--------------------------------|---------------------------------|
| | RF | 50 Ω AC | | | SENSE:INT | /-1.000 ms | ALIGN AUTO | pe: Log-Pwr | | 6 PM Apr 26, 20 RACE 1 2 3 4 |
| enter F | req z | .40200000 | UGHZ | NO: Fast ++- | Trig: Vide | | Avgiy | pe. Log-Fwi | | TYPE WWWW |
| | | | IF | Gain:Low | Atten: 20 | dB | | | | DET PNNN |
| | | | _ | | | | | | ΔMkr1 | 2.922 m |
| 0 dB/div | | Offset 11.32 dl 20.00 dBm | 3 | | | | | | | -2.40 d |
| og | Rei | 20.00 0011 | | | | | | | | |
| 0.0 | | | | | | | | | | |
| .00 | | | | | | | | | <u>*</u> 1Δ2 ——— | |
| 0.0 | | X | Alter de la state | na state den schulen faller | والمتشار ومشتر أشائك | la su di baba di | least a sain da ch | أنأد ويشاول الارتكر فأكار وأ | | |
| U.U | | ^ | i di daga da pa | وتريز الأطار أعريا ألرائيهم | | ll and the second | أأتأبكم فكراوانهم وتبازأت | dina dalladi (11) | 1 | |
| 0.0 | | | | | | | | | | |
| 0.0 | | | | | | | | | | TRIG |
| 0.0 | | | | | | | | | | |
| | | | | | | | | | | |
| D.O Jay ferry | <mark>لال</mark> من <mark>ا</mark> الالل | in the state with the state of th | | | | | | | United States in the states of | وأراد المتحد أرديهما |
| olo <mark>an dina</mark> | Julio | G http://www.float | | | | | | | dependent of sole have of | . To be de like seen al la se |
| 0.0 | ll <mark>tral</mark> and a | a se i hille de ri | | | | | | | nes to built out it she | alte hai ant |
| | | ' | | | | | | | | |
| | | 0000 GHz | | | | | | | | Span 0 |
| es BW 1 | 1.0 MH | lz | | #VB | W 3.0 MH2 | 2 | | Swee | ep 5.000 ms | (10001 p |
| | RC SCL | X | | Y | FUI | ICTION F | UNCTION WIDTH | | FUNCTION VALUE | |
| | l t | | 2.922 ms | | 0 dB | | | | | |
| 1 Δ2 1 | | | | | | | | | | |
| 2 F 1 | | | 1.003 ms | -6.08 | dBm | | | | | |
| 2 F 1 | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 5 | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 6 | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 5 6 7 8 8 | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 5 6 7 8 8 | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 5 7 8 9 9 0 | | | | -6.08 | dBm | | | | | |
| | | | | -6.08 | dBm | | | | | |
| 2 F 1 3 4 5 5 7 8 9 9 0 | | | | -6.08 | | | STATUS | | | |



Dwell NVNT 2-DH5 2441MHz

| R RF 50 Ω Center Freg 2.44100 | | SENSE:INT Trig Delay-1.000 ms | ALIGN AUTO s Avg Type: Log-Pwr | 03:19:38 PM Apr 26, 20 TRACE 1 2 3 4 |
|---|--|---|---|--|
| senter Fred 2.44100 | PNO: Fast | t 🛶 Trig: Video | s Avg Type. Log-1 wi | TYPE WWWW DET P NNN |
| | IFGain:Lov | W Atten: 20 dB | | |
| Ref Offset 11. | | | | ΔMkr1 2.923 m 3.44 d |
| 10 dB/div Ref 20.00 d | IBM | | | 3.44 U |
| 10.0 | | | | 1Δ2 |
| 0.00 | | | | |
| -10.0 | X2 | | | |
| -20.0 | | | | |
| -30.0 | | | | TRIG L |
| -40.0 | | | | |
| 70 0 | | | | |
| | | | | a an |
| | u, bill | | | lill of the second line of the second second |
| | | | | |
| Center 2.441000000 G | Hz | | _ | Span 0 I |
| Res BW 1.0 MHz | | #VBW 3.0 MHz | | p 5.000 ms (10001 pr |
| | X 2.023 mg (A) | Y FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 2 F 1 t | 2.923 ms (Δ) 1.003 ms | 3.44 dB -4.41 dBm | | |
| 3 4 | | | | |
| 5 | | | | |
| 6 7 | | | | |
| 8 | | | | |
| 10 | | | | |
| 11 <u> </u> | | | | • |
| | | | | |
| I Keysight Spectrum Analyzer - Swe R RF 50 Ω | Pt SA | II NVNT 2-DH5 2 | ALIGN AUTO | 03:21:24 PM Apr 26, 20 TRACE 1 2 3 4 |
| I Keysight Spectrum Analyzer - Swe R RF 50 Ω | Pt SA | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr 26, 20 TRACE 1 2 3 4 TYPE WWWW DET P N N N |
| R RF 50 Ω R RF 50 Ω Center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d | AC OOOO GHZ PNO: Fas IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN |
| Keysight Spectrum Analyzer - Swe R RF 50 Ω center Freq 2.48000 Ref Offset 11. Ref Offset 20.00 d | AC OOOO GHZ PNO: Fas IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN |
| Keysight Spectrum Analyzer - Swe R RF Senter Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d | AC OOOO GHZ PNO: Fas IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 2 3 4 TVPE WWW DET P NNN |
| Keysight Spectrum Analyzer - Swe R RF 50 Ω Center Freq 2.48000 Ref Offset 11. Ref 20.00 d 0 dB/div Ref 20.00 d | AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr 26, 20 TRACE 12:34 TYPE DET PININ ΔMkr1 2.923 n 3.87 c |
| Reysight Spectrum Analyzer - Swe R RF 50 Ω Center Freq 2.48000 Ref Offset 11. Ref Offset 11. 0 dB/div Ref 20.00 d G 0 0 0 0 0 0 | AC OOOO GHZ PNO: Fas IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr 26, 20 TRACE 12:34 TYPE DET PININ ΔMkr1 2.923 n 3.87 c |
| Reysight Spectrum Analyzer - Swe R RF 50 Ω Center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d 10 0 0 0 20 0 0 0 | AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d |
| Keysight Spectrum Analyzer - Swe R | AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d |
| Keysight Spectrum Analyzer - Swe R | AC OOOO GHz PNO: Fas IFGain:Lov 4 dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3 4 TYPE 20 ΔMkr1 2.923 n 3.87 d |
| Reysight Spectrum Analyzer - Swe R RF 50 Ω Center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d 0 00 40.0 40.0 | AC AC PNO: Fas IFGain:Lot BM | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | 2480MHz | 03:21:24 PM Apr 26, 21 TRACE 12:34 TYPE DET P NNN ΔMkr1 2.923 m 3.87 c |
| Keysight Spectrum Analyzer - Swe R | AC AC PNO: Fas IFGain:Lot A dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr | 03:21:24 PM Apr 26, 20 TRACE 12.3 4 TYPE VIEW DET PININ ΔΜkr1 2.923 n 3.87 c 1Δ2 TRIOL |
| Reysight Spectrum Analyzer - Sweet R RF 50 Ω Center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d 0 0 | AC AC PNO: Fas IFGain:Lot A dB Bm | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr | 03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 12:34 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRICI |
| Keysight Spectrum Analyzer - Swe R RF 50 Ω center Freq 2.48000 Ref Offset 11. 0 dB/div Ref 20.00 d 0 g | AC OUDO GHZ PNO: Fast IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | ALIGN AUTO ALIGN AUTO Avg Type: Log-Pwr | 03:21:24 PM Apr26, 20 TRACE [2:3:4 TYPE [2:3:4 TYPE [2:3:4] DET P NNN ΔMkr1 2.923 n 3.87 d |
| Keysight Spectrum Analyzer - Swe R RF 50 Q center Freq 2.48000 Ref Offset 11. O dB/div Ref 20.00 d 0 0 0 <t< td=""><td>AC OUDO GHZ PNO: Fast IFGain:Lov</td><td>SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video</td><td>ALIGN AUTO</td><td>03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL</td></t<> | AC OUDO GHZ PNO: Fast IFGain:Lov | SENSE:INT Trig Delay-1.000 ms t →→ Trig: Video | ALIGN AUTO | 03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL |
| Keysight Spectrum Analyzer - Swe Ref Offset 11. Ref Offset 11. Ref Offset 11. O dB/div Ref Offset 11. 0 | AC OUDO GHZ PNO: Fast IFGain:Lov | SENSE:INT Trig Delay-1.000 m t → Trig: Video Atten: 20 dB | ALIGN AUTO | 03:21:24 PM Apr26, 20 TRACE 12:34 TYPE 23:4 DET P NNN ΔMkr1 2.923 n 3.87 d 1Δ2 TRIOL |
| Keysight Spectrum Analyzer - Swe Q R RF 50 Ω Center Freq 2.48000 Ref Offset 11. Ref 20.00 d 0 dB/div Ref 20.00 d Ref 20.00 d 0 g | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB | 2480MHz | TRIOL 1994 - 1994 - 1997 - 19 |
| Keysight Spectrum Analyzer – Swee Ref Offset 11. Conter 2.480000000 G Center 2.4800000000 G Res BW 1.0 MHz MKR MODE TRC SCL 1 A 2 1 t A 2 1 t A 2 t t | AC OUTOOR CHZ PNO: Fast IFGain:Lot 4 dB 8 m 2 c (m) | SENSE:INT Trig Delay-1.000 ms Trig: Video Atten: 20 dB | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL |
| Registint Spectrum Analyzer - Swe Ref Offset 11. Offset 11. Ref Offset 11. Offset 12. <td>AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A)</td> <td>SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB</td> <td>2480MHz</td> <td>03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL</td> | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL |
| Ref Sto Ω Center Freq 2.48000 Ref Offset 11. 10 dB/div Ref 20.00 d -0g | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB | 2480MHz | 03:21:24 PM Apr26, 20 TRACE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 0 0 0 1 1 Δ2 1 Δ2 |
| Keysight Spectrum Analyzer - Sweet Q R R S0 Ω Center Freq 2.48000 Ref Offset 11. Ref 20.00 d Og Ref 20.00 d Ref 20.00 d Conter 12.4800000000 G Ref 20.00 d Ref 20.00 d Center 2.4800000000 G Ref 20.00 d Ref 20.00 d R R R R R R R R | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL |
| Keysight Spectrum Analyzer - Swe Ref Offset 11. Ref Offset 11. Center Freq 2.48000 Ref Offset 11. Offset 12. < | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video M Atten: 20 dB W Atten: 20 dB #VBW 3.0 MHz Y Y FUNCTION 3.87 dB | 2480MHz | 03:21:24 PM Apr26, 20 TRACE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 TYPE [] 2:3 4 0 0 0 1 1 Δ2 1 Δ2 |
| Registing Spectrum Analyzer - Swe Ref Offset 11. Ref Offset 11. Ref Offset 11. Offset 11. Offset 11. Ref Offset 11. | AC AC PNO: Fast IFGain:Lov 4 dB Bm X2 Index det backed IFGain:Lov 4 dB HZ X2 Index det backed HZ X 2.923 ms ((A) | SENSE:INT Trig Delay-1.000 ms Trig Delay-1.000 ms Trig Video Market of the sense of the sens of the sense of the sense of the sense of the sense of | 2480MHz | 03:21:24 PM Apr26, 20 TRACE 12.3.4 TYPE VALUE ΔΜΚΓ1 2.923 m 3.87 d 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL 1Δ2 TROOL |



| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 3-DH1 | 2402 | 0.3725 | 119.2 | 31600 | 400 | Pass |
| NVNT | 3-DH1 | 2441 | 0.3735 | 119.52 | 31600 | 400 | Pass |
| NVNT | 3-DH1 | 2480 | 0.3735 | 119.52 | 31600 | 400 | Pass |

| | Analyzer - Swept SA | | | | | | | | | |
|--|---|----------|--|--------------------------|---|---|--|---|---|--|
| R RF | F 50 Ω AC 2.40200000 | | | SENSE:1 | g Delay-1.0 | | | e: Log-Pwr | 03: | 26:20 PM Apr 26, 2 TRACE 1 2 3 4 |
| niel Fleg | 2.40200000 | | PNO: Fast | 🛶 Tri | g: Video | | | | | |
| | | | IFGain:Low | At | ten: 20 dB | | | | | , |
| Re | f Offset 11.32 d | B | | | | | | | ΔMI | (r1 372.5 |
| dB/div Re | f 20.00 dBm | | | | | | | | | -0.19 c |
| | | | | | | | | | | |
| 0 | | | | | | | | | | |
| 0 | | / | Δ2 | | | | | | | |
| 0 | / | | | | | | | | | |
| o | | (c.b.and | | | | | | | | |
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| | التلقيق ومراجع المراجع | | . I and and attand | line base | llandon al ba | الفلب جرابية وريته | | والارتباط والمحاد والمحاد | الأطبق الروري الرقاريا | talka allara tha atao alka i |
| 0 <mark>mart an fitting torp</mark> y | | P | <mark>y lapla pilatani</mark> | | | | | | a dia 1 ₀₀ 000, dia 14 | ni telleter der telever i M |
| o nationalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities d | alla di ana atifa di <mark>Tana di ana atifa di</mark> | | i de de pilotonel <mark> </mark> | Vice place Vice place | linnen atter Istels <mark>ter der stare</mark> | ili et ilen dil <mark> </mark> | an in the transfer of the second s Second second | an anna tau Mpri <mark>phalpi</mark> | n de la part d'art de Name d'art de la | alapila si pana di p Pitalang ang basar |
| o nationalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities de la posicionalities d | AN AN AN AN AN AN AN AN An An A | | r der der stedensch <mark>Hiter vor (Patril) pa</mark> | 1010 (1910) | llandra at r <mark>hand pilling</mark> | | <mark>i (jajoba) ja</mark> | tenterentid tette Infinal <mark>, ettablis</mark> ti | editionedicid <mark>T</mark> iplic[d]ditio | n printer for the second of the second of Second of the second of the |
| o Patholishi Patholish | | | <mark>, laptor internet.</mark> L. Laptor III | | | 1944 1944 19 194 1944 1944 194 194 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1944 1 | n n hain an hain an h Ngang (ngang pan | kon teoreta de sta Indepair per per per per per per per per per pe | na an ann an an an an Ngalar ag an | Span 0 |
| nter 2.4020 | | | , <mark> </mark> | VBW 3.0 | MHz | 1) et kilose (*) , et kilose (*) , et kilose (*) | n de de la composition N _{n de} la composition | <mark>lidgali andal 11</mark> 1 | <mark>) (</mark> yyddol dd dd dd dd | Span 0 ms (10001 p |
| nter 2.4020 s BW 1.0 M | /IHz | | | VBW 3.0 | D MHz | | | <mark>lidgali andal 11</mark> 1 | <mark>) (</mark> yyddol dd dd dd dd | ms (10001 p |
| hter 2.4020 BW 1.0 W MODE TRC SCI | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 BW 1.0 M | /IHz | | s (Δ) | Y | | N FUNC | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | N FUNC | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |
| nter 2.4020 s BW 1.0 W | /IHz | 372.5 µs | s (Δ) | Y -0.19 dB | | N FUNC | al _{tan} (tan a ba | <mark>lidgali andal 11</mark> 1 | ep 5.000 i | ms (10001 p |

Dwell NVNT 3-DH1 2402MHz

Dwell NVNT 3-DH1 2441MHz

| 📕 Keysight Spectrum Analyzer - Sv | | | | | | | |
|---|---|---|---|----------------|--|----------------------------------|---|
| R RF 50 G Center Freq 2.4410 | | SENSE:I | nt Delay-1.000 m: | | : Log-Pwr | | PM Apr 26, 202 |
| senter freq 2.44 to | PNO | Fast 🛶 Trig | g: Video ten: 20 dB | | | | |
| | IFGai | in:Low Att | en. 20 ab | | | | |
| Ref Offset 1 | | | | | | ΔΙΝΙΚΓΊ | 373.5 μ -1.69 dl |
| 10 dB/div Ref 20.00 | abm | | | | | | -1.00 ai |
| 10.0 | 1Δ2 | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | | | | | |
| -20.0 | | | | | | | |
| -30.0 | | | | | | | TRIG L |
| -40.0 | | | | | | | |
| -50.0 | | Admidd nan i a si ar will a sha | laadhaa na billionan | | | | |
| | | e render ander steren en fangeren en fanger e | alle vite piloten alle alle alle alle alle alle alle al | | and a state of the | ון (הוא ן ייזיון בקקרן דיזי ו | at the second |
| -70.0 | the the state of the | active and the second second | | | | an setter after t | |
| | | | | | | | |
| Center 2.441000000 Res BW 1.0 MHz | GHz | #VBW 3.0 | BALL- | | Owen | | Span 0 H |
| | | | | | | 5.000 ms | (10001 pt |
| MKR MODE TRC SCL | X | Y | FUNCTION | FUNCTION WIDTH | C1 | JNCTION VALUE | |
| | 373 5 us (A | -1 69 dB | | | 10 | SNCTION VALUE | |
| 1 Δ2 1 t (Δ) 2 F 1 t | 373.5 μs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | | | 10 | SNC HON VALUE | |
| 1 Δ2 1 t (Δ) | 373.5 μs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | | | 1 | SNC HON VALUE | |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 3 4 4 4 4 5 5 5 5 5 | 373.5 μs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | | | 1.5 | INCTION VALUE | |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 3 - - - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - | 373.5 μs 1.004 ms |) -1.69 dB 1.35 dBm | | | | INCTION VALUE | |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 3 4 5 5 6 | 373.5 μs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | | | | | |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 <td>373.5 μs (Δ 1.004 ms</td> <td>) -1.69 dB 1.35 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 373.5 μs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | | | | | |
| 1 Δ2 1 t (Δ) 2 F 1 t 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - | 373.5 µs (Δ 1.004 ms |) -1.69 dB 1.35 dBm | m | | | | Þ |



Dwell NVNT 3-DH1 2480MHz

| 💓 Keysight Spectrum Analyzer - Swept SA | | | | |
|--|--|--|---|---|
| R RF 50 Ω AC Center Freq 2.480000000 GHz | SENSE | ig Delay-1.000 ms | Avg Type: Log-Pwr | 03:32:01 PM Apr 26, 2020 TRACE 1 2 3 4 5 6 |
| Center Freq 2.480000000 GHz | PNO East ++ Tr | ig: Video | nig type. Log t in | TYPE WWWWWW DET P N N N N |
| | IFGain:Low A | tten: 20 dB | | |
| Ref Offset 11.4 dB | | | | ΔMkr1 373.5 μs -1.69 dB |
| 10 dB/div Ref 20.00 dBm | | | | -1.69 dB |
| Log | | | | |
| 10.0 | 1Δ2 | | | |
| | | | | |
| -10.0 | | | | |
| -20.0 | | | | |
| -30.0 | | | | TRIG LVL |
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| -40.0 | | | | |
| -50.0 | والمتحافظ والمتحافظ المحافظ المتحافظ ومراد | والمتعادية والمتعادية والمتعادية المتعادية | والمتعادية والمتعالم والمتعاد والمتعادين والمالية | i daaraa da dadaa da da da da da ahaa da d |
| -60.0 b filling the dealer of the state of the state | a din dalah karadean datis mesil | uldara le si de la triada de | dining in this is a statement | an all the state of the state of the state |
| -70.0 | ud. u o bel loso o libro del 10 | die bezahlich die Alter die sol | a Metrikitati in kali e ke marika | |
| | | | | |
| Center 2.480000000 GHz | | | - | Span 0 Hz |
| Res BW 1.0 MHz | #VBW 3. | 0 MHZ | Swe | ep 5.000 ms (10001 pts) |
| | | | | |
| MKR MODE TRC SCL X | Y | | CTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 | μs (Δ) -1.69 dB | | CTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | μs (Δ) -1.69 dB | | CTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 3 4 4 4 1 <th1< th=""> <th1< th=""> <th1< th=""> <t< td=""><td>μs (Δ) -1.69 dB</td><td></td><td>CTION WIDTH</td><td>FUNCTION VALUE</td></t<></th1<></th1<></th1<> | μs (Δ) -1.69 dB | | CTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 3 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | μs (Δ) -1.69 dB | | | FUNCTION VALUE |
| Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 - - - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - - | μs (Δ) -1.69 dB | | CTION WIDTH | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 4 5 5 6 6 6 7 8 9 | μs (Δ) -1.69 dB | | CTION WIDTH | FUNCTION VALUE |
| Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 4 5 5 5 6 7 7 7 7 8 9 9 9 10 10 | μs (Δ) -1.69 dB | | | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 4 5 5 6 6 6 7 8 9 | μs (Δ) -1.69 dB | | | FUNCTION VALUE |
| 1 Δ2 1 t (Δ) 373.5 2 F 1 t 1.004 r 3 4 4 5 6 6 6 6 8 9 9 9 10 11 10 | μs (Δ) -1.69 dB | | STATUS | FUNCTION VALUE |

| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 3-DH3 | 2402 | 1.645 | 263.2 | 31600 | 400 | Pass |
| NVNT | 3-DH3 | 2441 | 1.637 | 261.92 | 31600 | 400 | Pass |
| NVNT | 3-DH3 | 2480 | 1.649 | 263.84 | 31600 | 400 | Pass |

Dwell NVNT 3-DH3 2402MHz

| 🚺 Keysight Spect | trum Analyzer - Swe RF 50 Ω | pt SA | CEN | E:INT | AL | IGN AUTO | | 02:42:1 | 4 PM Apr 26, 2020 |
|--------------------------|---|--------------------|----------|--|--------------------------------|--|---|--|--|
| | eq 2.40200 | 0000 GHz | | Trig Delay-1.00 Trig: Video Atten: 20 dB | | Avg Type: | Log-Pwr | | RACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N |
| 10 dB/div | Ref Offset 11. Ref 20.00 c | | | | | | | ΔMkr1 | 1.645 ms -2.54 dB |
| 10.0 | | | | | 1Δ2 — | | | | |
| -10.0 | | | | | | | | | |
| -30.0 | | | | | | | | | TRIG LVL |
| | ay ni sangalang ini sa ka | ududi. | | | An transmission | <mark>Haras Hurpton peganta</mark> | <mark>II (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</mark> | TTPD TO THE TO THE TOTAL | tid <mark>opentintententen</mark> |
| -60.0 | hter in the state of | lany ^{ah} | | | <mark>AD^{HA}MA</mark> | <mark>de tel (</mark>), je pil _{to} di | | <mark>hter in presenter son and son a The son and son</mark> | <mark>, pinini munini ni</mark> m |
| Center 2.4 Res BW 1.0 | 02000000 G 0 MHz | iHz | #VBW | 3.0 MHz | | | Sweep | 5.000 ms | Span 0 Hz (10001 pts) |
| MKR MODE TRC | | × 1.645 ms | | | FUNCT | FION WIDTH | F | UNCTION VALUE | A |
| 2 F 1 3 | t | 1.006 ms | -6.07 dB | m | | | | | |
| 4 5 | | | | | | | | | = |
| 6 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 10 | | | | | | | | | - |
| < | | | | m | | STATUS | | | • |
| ASG | | | | | | STATUS | | | |





Dwell NVNT 3-DH3 2441MHz

| Keysight Spectrum Analyzer - Swept SA R RF 50 Ω AC | | SENSE:INT | ALIGN AUTO | 03:51:11 PM Apr 26, 2020 |
|---|---|--|--|--|
| Center Freq 2.441000000 GH | | Trig Delay-1.000 ms Trig: Video Atten: 20 dB | Avg Type: Log-Pwr | TRACE 1 2 3 4 5 6 TYPE DET PNNNN |
| Ref Offset 11.37 dB | | | | ΔMkr1 1.637 ms -0.24 dB |
| 10 dB/div Ref 20.00 dBm | | | | -0.24 015 |
| | ine a site of the birth for the site of a site of | | | |
| -10.0 | de la final de la constante de la final | a stilling & different if she of the second | | |
| -20.0 | | | | |
| -30.0 | | | | TRIG LVL |
| -50.0 | | | developmental development | Adapted a har jable likes tak no har an data. |
| -60.0 Nater bet el la kiera bit de la la la trater hat | | | al a tradition de la calendad de la calenda | I with the state of the state |
| | | | | |
| Center 2.441000000 GHz Res BW 1.0 MHz | #VB | W 3.0 MHz | Swee | Span 0 Hz p 5.000 ms (10001 pts) |
| | | FUNCTION FU | UNCTION WIDTH | FUNCTION VALUE |
| 2 F 1 t 1.0 | 04 ms 1.24 | dBm | | |
| 4 5 6 | | | | E |
| 7 8 | | | | |
| 9 10 | | | | |
| 11 · | | | | • • |
| MSG | D 11.11 | | STATUS | |
| 🎉 Keysight Spectrum Analyzer - Swept SA | Dwell N | VNT 3-DH3 24 | 80MHz | |
| Center Freg 2.480000000 GH | | SENSE:INT Trig Delay-1.000 ms | ALIGN AUTO Avg Type: Log-Pwr | 03:54:11 PM Apr 26, 2020 TRACE 1 2 3 4 5 6 |
| | PNO: Fast ↔→ IFGain:Low | Trig: Video Atten: 20 dB | | |
| Ref Offset 11.4 dB 10 dB/div Ref 20.00 dBm | | | | ∆Mkr1 1.649 ms -0.47 dB |
| Log | | 1Δ2 | | |
| 0.00 X2*** | ina e nije opjendi dje bito e nije o | | | |
| -10.0 | | | | |
| -20.0 | | | | TRIG LVL |
| -40.0 | | | | |
| -50.0 <mark>Anthony States and Anthony Market Press</mark> | | a a a a a a a a a a a a a a a a a a a | a han ba ku ji da pariha ban ki ka sa sana sa | ana lini sa mkada na ng kada pala ini kacani si sa kang |
| -60.0 Haran Ing an state of the | | المرينة إل | level , de la level e des presentes de la level de la construcción de la construcción de la construcción de la | <mark>a ha an ha </mark> |
| Center 2.480000000 GHz | | | | Span 0 Hz |
| Res BW 1.0 MHz | #VB | W 3.0 MHz | Swee | p 5.000 ms (10001 pts) |
| MKR MODE TRC SCL X 1 Δ2 1 t (Δ) 1.6 | Y 49 ms (Δ) -0.4 | FUNCTION FU | JNCTION WIDTH | FUNCTION VALUE |
| 2 F 1 t 1.0 | | dBm | | |
| 4 | | | | E |
| 6 7 8 | | | | |
| 9 10 | | | | |
| | | | | |
| 1100 | | | 214142 | |



| Condition | Mode | Frequency | Pulse Time | Total Dwell Time | Period Time | Limit | Verdict |
|-----------|-------|-----------|------------|------------------|-------------|-------|---------|
| | | (MHz) | (ms) | (ms) | (ms) | (ms) | |
| NVNT | 3-DH5 | 2402 | 2.925 | 312.00 | 31600 | 400 | Pass |
| NVNT | 3-DH5 | 2441 | 2.916 | 311.05 | 31600 | 400 | Pass |
| NVNT | 3-DH5 | 2480 | 2.922 | 311.70 | 31600 | 400 | Pass |

| | | yzer - Swept SA | | | | | | | | |
|---------------------|----------------|---------------------|-------------------|-----------------------------|---------------------|--|---------------------------------|---|--------------------|---|
| L <mark>XI</mark> R | RF | 50 Ω AC | | | SENSE:INT | 1 4 000 | ALIGN AUTO | | | 19 PM Apr 26, 2020 |
| Center F | req 2.4 | 0200000 | 0 GHz | | | elay-1.000 n /ideo | ns Avgi | Type: Log-Pwr | | TYPE WWWWW |
| | | | | PNO: Fast ++- FGain:Low | | : 20 dB | | | | DET P NNNN |
| | | | | Gumeow | | | | | | 0.005 |
| | Ref Of | fset 11.32 d | в | | | | | | ΔMkr1 | 2.925 ms |
| 10 dB/div | Ref 2 | 0.00 dBm | | | | | | | | 2.88 dB |
| | | | | | | | | | | |
| 10.0 | | | | | | | | | | |
| 0.00 | | | | | | | | | ▲1∆2 | |
| | | ``` | | and a statistic statistic | | i dhay anta nga th | teri el setter setteres preside | a da de la calificación de la calif | N | |
| -10.0 | | / | National Installe | tille huld teking a also al | a National And Anna | a na an | الاراد والملك والأوراك | u. a la la fi di la bista la | 1 | |
| -20.0 | | | A second section. | il faul sedinal | يبرز المراج | n di kan | dive for all a self of | Hadren al a de con | | |
| -30.0 | | | | | | | | | | TRIG LVL |
| | | | | | | | | | | |
| -40.0 | | | | | | | | | | |
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| -60 0 (11) | | | | | | | | | | <mark>, a suite (suite a l</mark> a suite a la suite a la suite a la suite a la suite de la suite de la suite de la suite de |
| -60.0 h M.M. | lidd Ó liddain | ud dama da bitaka i | | | | | | | lin, në biditetate | na al duil à Glai di La Muni |
| -70.0 | 1.0.0.0.00 | | | | | | | | - adda - da da | the produce for |
| | | | | | | | | | | |
| Center 2 | | | | | | | | | | Span 0 Hz |
| Res BW | 1.0 MHz | 2 | | #VB | W 3.0 N | 1Hz | | Swee | ep 5.000 ms | ; (10001 pts) |
| MKR MODE T | |) | | Y | | FUNCTION | FUNCTION WIDTH | 1 | FUNCTION VALUE | |
| | 1 t (A | | 2.925 ms | | 38 dB | FUNCTION | PONCTION WIDTH | | FONCTION VALUE | |
| 2 F | 1 t | | 1.002 ms | -9.42 | dBm | | | | | |
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| 9 | | | | | | | | | | |
| 11 | | | | | | | | | | |
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| MSG | | | | | | | STATU | 15 | | |
| 100 | | | | | | | SIAR | | | |

Dwell NVNT 3-DH5 2402MHz

Dwell NVNT 3-DH5 2441MHz

| | m Analyzer - Swept SA | 1 | | | | | | | | - P |
|------------------|-------------------------------------|----------------------|----------------------------------|--------------------|------------------------------------|------|----------------------|-----------|---------------|--|
| | RF 50 Ω AC 2.44100000 | Р | NO: Fast ↔ Gain:Low | Trig: | Delay-1.000 r Video n: 20 dB | | IGN AUTO Avg Type | : Log-Pwr | | 5 PM Apr 26, 20 RACE 1 2 3 4 TYPE W DET P N N N |
| | tef Offset 11.37 c tef 20.00 dBm | | | | | | | | ΔMkr1 | 2.916 m 0.92 d |
| 10.0 | | | | | | | | | 142 | |
| -10.0 | > | | <mark>(Alang) (Kali</mark> gina) | (anda) (*) | | | | | | |
| 30.0 | | | | | | | | | | TRIG L |
| io.o | | | | | | | | | | an lan daara |
| | <u>Aphi ini ini du</u> | | | | | | | ľ | | |
| es BW 1.0 | | | #VB | W 3.0 I | VIHz | | | Sweep | 5.000 ms | Span 0 (10001 p |
| | scL ; t (Δ) t | 2.916 ms 1.002 ms | γ (Δ) 0.9 -7.64 | 92 dB dBm | FUNCTION | FUNC | TION WIDTH | F | UNCTION VALUE | |
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| 8 9 0 | | | | | | | | | | |
| G G | | | | 1 | 11 | | STATUS | | | • |
| - | | | | | | | 0 | | | |



Dwell NVNT 3-DH5 2480MHz

| Keysight Spectrum Analyzer - Swept SA | | | |
|--|--|---|---|
| IXI R RF 50 Ω AC | SENSE:INT Trig Delay-1 | ALIGN AUTO | 04:06:38 PM Apr 26, 2020 |
| Center Freq 2.480000000 GHz | PNO: Fast +++ Trig: Video | .000 ms Avg Type: Log-Pwr | TRACE 1 2 3 4 5 6 TYPE WWWWW |
| | IFGain:Low Atten: 20 dE | 3 | DET P NNNN |
| | | | ΔMkr1 2.922 ms |
| Ref Offset 11.4 dB | | | -2.94 dB |
| 10 dB/div Ref 20.00 dBm | | | -2.04 MD |
| 10.0 | | | |
| 0.00 X | | | 1∆2 |
| and the second s | والتعاديق والواوري التعادل ويعتر والتعاد | and a standard back property for the providents the states of the | |
| -10.0 | | | |
| -20.0 | | | |
| -30.0 | | | TRIG LVL |
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| -50.0 | | | de la carine de la de la de la desta de la constitución de la desta de la desta de la desta de la desta de la d |
| -60.0 | | | The fraction inside a closed of rates and |
| | | | |
| | | | |
| Center 2.480000000 GHz | | | Span 0 Hz |
| Res BW 1.0 MHz | #VBW 3.0 MHz | Sweep | 5.000 ms (10001 pts |
| MKR MODE TRC SCL X | Y FUNCT | ION FUNCTION WIDTH F | UNCTION VALUE |
| 1 Δ2 1 t (Δ) 2.922 r | | | |
| 2 F 1 t 1.003 r | ns 0.07 dBm | | |
| 3 4 | | | |
| 5 | | | = |
| 6 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| | | | F |
| ISG | | STATUS | |
| | | | |



10. Band edge

10.1. Applied procedures / Limit

15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.205(c)).

10.2. Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation, RBW ≥ 1% of the span, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold

10.3. Deviation from standard

No deviation.

10.4. Test setup



10.5. Test results



| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT | GFSK | 2402 | Ant 1 | No-Hopping | -56.709 | -20 | Pass |
| NVNT | GFSK | 2480 | Ant 1 | No-Hopping | -48.911 | -20 | Pass |

| R | Spectrum A RF | Analyzer - Swept S | SA AC | | SENSE:INT | | ALIGN AUTO | | 02:06:4 | PM Apr 26, 2 |
|--|------------------|--------------------|-------------------------------------|--------------|----------------------------|--------|--|-----------------------------|--|-----------------------|
| | | 2.3560000 | 000 GHz | PNO: Fast ↔→ | Trig: Free Atten: 20 | | Avg Type | e: Log-Pwr : 5000/5000 | TF | TYPE MWW DET P N N |
| | | Offset 11.32 | | | | | | | Mkr1 2.40 | 2 00 G 569 dE |
|) dB/div 9g r | Ret | 20.00 dB | m | | | | | | <u> </u> | 569 uE |
| 0.0 | | | | | | | | | | · · · · |
| .00 | | | | | | | | | | <u> </u> |
| D.O 🖵 | | | | | | | | | | <u> </u> |
| D.0 | | | | | | | | | | -19.75 |
| D.O | | | | | | | | | | |
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| 0.0 | | | ورموردار دودة أورو وروفت الدود والم | - | anticipation of the second | | and the second | ور المراجع وراجع المراجع ور | and the second | |
| 0.0 | | | | | | | | | | |
| | | | | | | | | | | |
| | 30600 W 100 | | | #VB | N 300 kHz | : | | Sweep | Stop 2. 10.00 ms | 40600 G (10001 p |
| | TRC SCL | | Х | Y | | ICTION | FUNCTION WIDTH | | FUNCTION VALUE | |
| 1 N 2 N | 1 f 1 f | | 2.402 00 GHz 2.400 00 GHz | 0.569 | | | | | | |
| | 4 5 | | 2.390 00 GHz | -59.366 | dBm | | | | | |
| | | | | | | | | | | |
| 3 N 4 N 5 | 1 f | | 2.342 82 GHz | -56.464 | dBm | | | | | |
| 2 N 3 N 4 N 5 6 7 | | | 2.342 82 GHz | -56.464 | dBm | | | | | |
| 3 N 4 N 5 6 7 8 | | | 2.342 82 GHz | -56.464 | | | | | | |
| 3 N 4 N 5 6 7 8 9 0 | | | 2.342 82 GHz | -56.464 | | | | | | |
| 3 N 4 N 5 6 7 8 9 | | | 2.342 82 GHz | -56.464 | | | | | | |

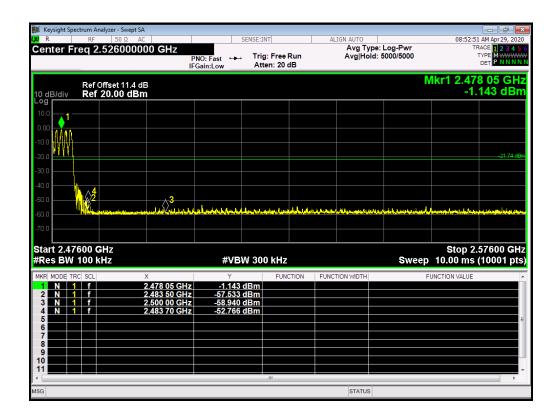
| Keysight Spectrum Analyzer - Swept SA | | | | |
|--|---|-----------------------------------|---|--|
| R RF 50Ω AC enter Freg 2.526000000 GH | Z SENSE:1 | | ALIGN AUTO Avg Type: Log-Pwr | 02:11:43 PM Apr 26, 202 TRACE 1 2 3 4 5 |
| | PNO: Fast +++ Tri | g: Free Run ten: 20 dB | Avg Hold: 5000/5000 | DET PNNN |
| Ref Offset 11.4 dB | | | | Mkr1 2.480 00 GH -1.119 dBr |
| dB/div Ref 20.00 dBm | | | | -1.110 001 |
| 0.0 | | | | |
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| | | | | 21.54.d |
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| | an de mit de la constat fonde annan a fair annan di | to B and Aller an astars of the L | a district de la companya de set a la companya de s | and a billion official default metallises |
| .0 | | | | |
| | | | | |
| art 2.47600 GHz les BW 100 kHz | #VBW 30 | 0 kHz | Sweep | Stop 2.57600 GF 10.00 ms (10001 pt |
| R MODE TRC SCL X | Y | FUNCTION FUN | | FUNCTION VALUE |
| N 1 f 2.480 00 N 1 f 2.483 50 | | | | |
| 8 N 1 f 2.500 00 |) GHz -58.970 dBm | | | |
| N 1 f 2.483 59 | -50.457 dBm | | | |
| | | | | |
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| | | | | |
| | | | | |
| | | III | STATUS | • |

Dongguan New Testing Centre Co., Ltd



| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT | GFSK | 2402 | Ant 1 | Hopping | -56.125 | -20 | Pass |
| NVNT | GFSK | 2480 | Ant 1 | Hopping | -51.021 | -20 | Pass |

| 📕 Keysight Spe 🖬 R | ectrum A RF | nalyzer - Swept SA 50 Ω AC | | | SENSE:1 | NT | 1 | ALI | IGN AUTO | | 08:49 | |
|--|----------------|-------------------------------|---|--------------------------|--------------------------------------|------------------------|-------|--------|-----------|----------------------------|---------------|---|
| Center Fi | req 2 | .3560000 | | PNO: Fast ↔ FGain:Low | | g: Free F ten: 20 c | | | | e: Log-Pwr d: 5000/5000 | | TRACE 1 2 3 4 5 TYPE MWWWW DET P NNNN |
| 10 dB/div | | Offset 11.32 (20.00 dBn | | 1 | | | | | | | Mkr1 2.4 | 05 05 GHz 0.626 dBm |
| 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 | | | | | | | | | | \$ ⁴ | 3 | |
| -60.0 | | | | | (DW 00 | 0 kili- | | | | | Stop | 2.40600 GHz |
| #Res BW | | | | | /BW 30 | | 7.011 | 511107 | | Swee | | s (10001 pts |
| MKR MODE TH 1 N 1 2 N 1 3 N 1 4 N 1 5 6 7 6 9 9 10 11 11 | f | | X 2.405 05 GHz 2.400 00 GHz 2.390 00 GHz 2.378 40 GHz | -56.2 -58.8 | 26 dBm 31 dBm 28 dBm 00 dBm | FUNC | TION | FUNCT | ION WIDTH | | FUNCTION VALU | E |
| < | | | | | | | | | | | | • |





| Condition | Mode | Frequency | Antenna | Hopping | Max Value | Limit | Verdict |
|-----------|-----------|-----------|---------|------------|-----------|-------|---------|
| | | (MHz) | | Mode | (dBc) | (dBc) | |
| NVNT | π/4-DQPSK | 2402 | Ant 1 | No-Hopping | -55.078 | -20 | Pass |
| NVNT | π/4-DQPSK | 2480 | Ant 1 | No-Hopping | -46.973 | -20 | Pass |

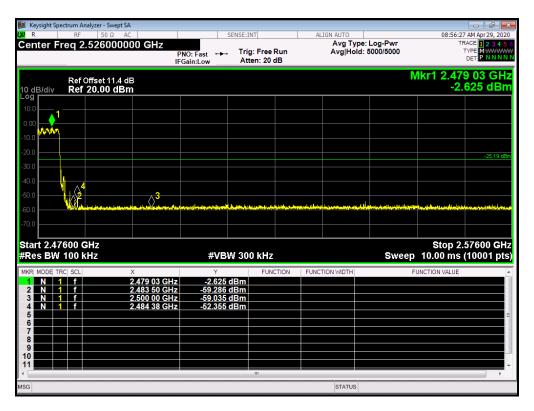
| Keysight Spectrum Ar R RF | alyzer - Swept SA 50 Ω AC | SENSE | INT | ALIGN AUTO | | 02:59:21 PM Apr 26, 2020 |
|--|---|--------------------------------|-----------------------------|--|------------------------|--|
| | .356000000 GHz | PNO: Fast +++ Tr | ig: Free Run tten: 20 dB | | : Log-Pwr 5000/5000 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N |
| 10 dB/div Ref | Dffset 11.32 dB 20.00 dBm | | | | N | lkr1 2.402 05 GHz -0.735 dBm |
| Log 10.0 | | | | | | 1 |
| -10.0 | | | | | | -21 27 dBm |
| -20.0 | | | | | | j2 |
| -40.0 -50.0 | ar Juni Iversia and Anton Security of an Anton | | lan tanan di mata ta k | and the second state of the second state | | 4 3 |
| -70.0 | | | | | | |
| Start 2.30600 G #Res BW 100 k | | #VBW 30 | 00 kHz | | Sweep | Stop 2.40600 GHz 10.00 ms (10001 pts) |
| MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f | × 2.402 05 GH; 2.400 00 GH; 2.390 00 GH; 2.385 76 GH; | z -40.434 dBm z -59.281 dBm | | FUNCTION WIDTH | F | JNCTION VALUE |
| 5 5 6 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | | | | | | = |
| 9 10 11 | | | | | | |
| MSG | | | | STATUS | | · |

| | | nalyzer - Swept SA | | | | | | | | | | |
|-----------------------|-------------|-----------------------------|------------------------------|--|------------------------------|---------------------|-------|-------|---------------------------|--|---------------------|---------------------------------------|
| Center Fi | RF red 2 | 50 Ω AC .52600000 | | | SENSE:I | NT | | AL | IGN AUTO Avg Type | : Log-Pwr | | 5 PM Apr 26, 2020 |
| Genter T | | .52000000 | | PNO: Fast ↔ FGain:Low | | g: Free en: 20 o | | | Avg Hold: | | | |
| 10 dB/div | | Offset 11.4 dE 20.00 dBm | | | | | | | | Ν | | 0 03 GHz 419 dBm |
| Log | Kei | 20.00 081 | | | | | | | | | | |
| 10.0 | 1 | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | | |
| -10.0 | | | | | | | | | | | | |
| -20.0 | | | | | | | | | | | | -22.90 dDm |
| -40.0 | | | | | | | | | | | | |
| -40.0 | \bigvee | | | | | | | | | | | |
| -60.0 | ** | | 3 | رالي مساورة وإنام وموجود ^{رويه} | h a ingi ga sin i | | | | hanan dali kashar jeta da | موال والما الم الم الم الم الم الم الم الم الم | | and a state of the state of the state |
| -70.0 | | | | | | | | | | | | |
| | | | | | | | | | | | - | 57000 011 |
| Start 2.47 #Res BW | | | | #V | BW 30 | 0 kHz | | | | Sweep | Stop 2. 10.00 ms | 57600 GHz (10001 pts) |
| MKR MODE TR | | | × | Y | | FUN | CTION | FUNCT | ION WIDTH | F | UNCTION VALUE | • |
| 1 N 1 2 N 1 | f | 1 | 2.480 03 GHz 2.483 50 GHz | -50.28 | 9 dBm 1 dBm | | | | | | | |
| 3 N 1 4 N 1 | f f | | 2.500 00 GHz 2.483 53 GHz | -59.34 | 3 dBm 6 dBm | | | | | | | |
| 5 | | | | | | | | | | | | E |
| 7 | | | | | | | | | | | | |
| 8 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| • | | | | | | III | | | 1 1 | | | • |
| MSG | | | | | | | | | STATUS | | | |



| Condition | Mode | Frequency (MHz) | Antenna | Hopping | Max Value (dBc) | Limit | Verdict |
|-----------|-----------|-----------------|---------|---------|-----------------|-------|---------|
| | | | | Mode | | (dBc) | |
| NVNT | π/4-DQPSK | 2402 | Ant 1 | Hopping | -54.00 | -20 | Pass |
| NVNT | π/4-DQPSK | 2480 | Ant 1 | Hopping | -47.156 | -20 | Pass |

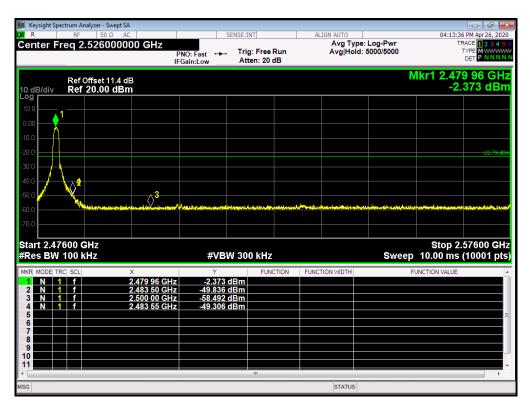
| R | | | ot SA | | | | | 17.0 | | | |
|---|-----------------|------------------------------|--|--|-----------------------------|-------|----------------------|------------|------------------------|--------------------|--|
| enter | | ⊮ 50 Ω 2.356000 | 0000 GHz | PNO: Fast +++ | Trig: Free I Atten: 20 d | | | g Type: | Log-Pwr 5000/5000 | | RACE 2 3 4 TYPE M |
| 0 dB/di | | ef Offset 11.3 ef 20.00 d | | | | | | | N | /kr1 2.40 -0 | 2 05 G .735 dE |
| 0.0 | | | | | | | | | | | <u> </u> |
| | | | | | | | | | | | <u> </u> |
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| 0.0 | | | | | | | | | | | |
| 0.0 | | | | | | | | × 4 | | | |
| 0.0 | its to a table. | atherization in the second | ومليحا ترحيه | in the state of the | na sta pa a si ingi angi a | | مقتيدية طبيب مساورها | Ŷ | مرابغ المراجع والمراجع | and 3 | المعالمة ال |
| 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | .30600 W 100 | | | #VBW | / 300 kHz | | | | Sweep | Stop 2 10.00 ms | .40600 G (10001 p |
| Res B | |) kHz | × | Y | FUNG | CTION | FUNCTION W | IDTH | | Stop 2 10.00 ms | .40600 G (10001 p |
| Res B KR MODE 1 N 2 N | W 100 |) kHz | 2.402 05 GHz 2.400 00 GHz | ۲ -0.735 d -48.081 d | FUNC IBm IBm | CTION | FUNCTION W | IDTH | | 10.00 ms | .40600 G (10001 p |
| Res B KR MODE 1 N 2 N 3 N 4 N | W 100 |) kHz | 2.402 05 GHz | ۲ -0.735 d | FUNC IBm IBm | CTION | FUNCTION W | IDTH | | 10.00 ms | .40600 G (10001 p |
| Res B KR MODE 1 N 2 N 3 N 4 N 5 6 | W 100 |) kHz | 2.402 05 GHz 2.400 00 GHz 2.390 00 GHz | √ -0.735 d -48.081 d -58.766 d | FUNC IBm IBm | CTION | FUNCTION W | | | 10.00 ms | .40600 G (10001 p |
| Res B 1 N 2 N 3 N 4 N 5 6 7 8 | W 100 |) kHz | 2.402 05 GHz 2.400 00 GHz 2.390 00 GHz | √ -0.735 d -48.081 d -58.766 d | FUNC IBm IBm | CTION | FUNCTION W | | | 10.00 ms | .40600 G (10001 p |
| Res B | W 100 |) kHz | 2.402 05 GHz 2.400 00 GHz 2.390 00 GHz | √ -0.735 d -48.081 d -58.766 d | FUNC IBm IBm | CTION | FUNCTION W | | | 10.00 ms | .40600 G (10001 p |





| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|--------------------|---------|-----------------|-----------------|-------------|---------|
| NVNT | 8DPSK | 2402 | Ant 1 | No-Hopping | -56.572 | -20 | Pass |
| NVNT | 8DPSK | 2480 | Ant 1 | No-Hopping | -48.786 | -20 | Pass |

| R | Ť | RF | alyzer - Swept SA 50 Ω AC | | | SENSE:INT | | ALIGN AUTO | | 04:01:59 PM Apr 26, 202 |
|--------------------|---------------|------------|------------------------------|------------------------------|------------------------|-----------------------|----------------------|----------------------------------|--|---|
| enter | Fre | eq 2. | 3560000 | P | NO: Fast ↔ Gain:Low | Trig: Fre Atten: 2 | | | e: Log-Pwr : 5000/5000 | TRACE 1 2 3 4 TYPE MWWW DET PNNN |
| 0 dB/div | | | offset 11.32 o 20.00 dBm | | | | | | I | Wkr1 2.401 96 GH -0.707 dBr |
| og 10.0 | | | | | | | | | | 1 |
| 0.00 10.0 | | | | | | | | | | |
| 20.0 | | | | | | | | | | -21 21 d |
| 10.0 | | | | | | 4 | | | | |
| io.o kanina | a thair diffe | ang de pla | in print and a start of | uania (kada na kada kata ga | antina an an aite an | Y | ير جر البادي – وحدار | dada manang dada manang katang k | a d ^{ha} falatan nikin mudata kan | a nan san an a |
| tart 2. | | | | | | | | | | Stop 2.40600 GI |
| Res B | W 1 | 00 k | Hz | | #VB | W 300 kH | Z | | Sweep |) 10.00 ms (10001 pt |
| KR MODE | TRC | SCL | | < | Y | | JNCTION | FUNCTION WIDTH | | FUNCTION VALUE |
| 1 N 2 N | 1 | f | | 2.401 96 GHz 2.400 00 GHz | -0.707 -39.355 | dBm | | | | |
| 2 N | 1 | f | | 2.390 00 GHz | -59.138 | | | | | |
| 4 N | 1 | f | | 2.350 44 GHz | -56.864 | dBm | | | | |
| 5 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 8 9 0 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 9 | | | | | | | | | | • |





| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT | 8DPSK | 2402 | Ant 1 | Hopping | -54.963 | -20 | Pass |
| NVNT | 8DPSK | 2480 | Ant 1 | Hopping | -49.634 | -20 | Pass |

| | | nalyzer - Swept SA | | | | | | | | | | | |
|-------------------|------------------------|----------------------------------|---|--------------------------|-----------------|------------------------------|----------------|--|--|---------------------------|-----------------|-------------------|--|
| R enter Fi | _{RF} req 2 | 50 Ω AC 2.35600000 |)0 GHz | NO: Fast 🔸 Gain:Low | | nt g: Free F ten: 20 d | | AL | | pe: Log-Pv ld: 5000/50 | | | 04 AM Apr 29, 20 TRACE 1 2 3 4 TYPE MWWM DET PNNN |
|) dB/div | | Offset 11.32 c 20.00 dBm | | | | | | | | | Μ | lkr1 2.40 -0 | 03 98 GH 0.687 dBi |
| -9 0.0 1.00 | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | PVW |
| D.O D.O | | | | | | | | | | | | | 2 ² 62 d |
|).0).0 | | | | 4 | | | | | | | | 3 | <u>2</u> |
|).0).0 | an faithe factor | والمحد والأنجر والمحدود والمراجع | a na anta ang sa kata ang sa kata ang sa kata | and internet on a second | alemisti lapua, | | والمعرادية الم | nin that the state of the state | ana life a far far far far far far far far far f | a and the second second | الفرومة الأخالي | -sin ya Anastan a | we we have the |
| art 2.30 | | | | | | | | | | | | Stop 2 | 2.40600 GH |
| tes BW | 100 | KHZ | | #VB | W 30 | 0 kHz | | | | S | weep | 10.00 ms | ; (10001 pt |
| R MODE TR | RC SCL | | × 2.403 98 GHz 2.400 00 GHz | ۲ -0.687 -55.752 | | FUNC | TION | FUNCT | ION WIDTH | | FL | JNCTION VALUE | |
| N 1 N 1 | f | | 2.390 00 GHz 2.337 95 GHz | -58.077 -56.583 | dBm | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | E F |
| | | | | | | | | | STATUS | | | | |

| | RF | alyzer - Swept | | | orauor | - | | | | | | |
|--|-----------------------|--------------------------------|---|-------------------------|--|--------------------------|-----------|--------------|--------------------|--------------------------|-----------------|--|
| R enter F | | | ac 000 GHz | PNO: Fast IFGain:Lov | | ig: Free R tten: 20 d | | | vg Type | : Log-Pwr 5000/5000 | 08:5 | 9:33 AM Apr 29, 20 TRACE 1 2 3 4 TYPE M WWW DET P N N N |
|) dB/div | Ref C Ref (|)ffset 11.4 20.00 dB | dB Sm | | | | | | | | Mkr1 2.4 | 177 98 GH 2.330 dB |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| D.O | | | | | | | | | | | | -23.00 c |
| 3.0 | | | | | | | | | | | | |
| 0.0 0.0 | 1 ∆4 | | . 2 | | | | | | | | | |
| D.O | Winner | ter al la dja de star | Di | an haddeler of helder | بالبلوس واوال وموادره | المعادرة فالإرتباء أحمهم | an akatan | erannae indu | entially (newarth) | unathones and desired in | | ويروقه والمحاصر والمروقة والمحاص |
| | | | | | | | | | | | | |
| 1.0 | | | | | | | | | | | | |
| art 2.47 | | | | | #VBW 3 | 00 kHz | | | | Sweep | Stop 10.00 m | 2.57600 GI is (10001 pi |
| tart 2.47 Res BW | 100 k | | X | | Y | FUNC | FION | FUNCTION | WIDTH | - | Stop 10.00 m | is (10001 pi |
| tart 2.47 Res BW | 100 k | | 2.477 98 GH 2.483 50 GH | z - z -5 | Y 2.330 dBm 8.400 dBm | FUNC | FION | FUNCTION | WDTH | - | 10.00 m | 2.57600 GH is (10001 pt ie |
| Tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 | 100 k | | 2.477 98 GH | z -5 z -5 | ۲ 2.330 dBm | FUNC | FION | FUNCTION | WIDTH | - | 10.00 m | is (10001 pi |
| art 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5 | 100 k | | 2.477 98 GH 2.483 50 GH 2.500 00 GH | z -5 z -5 | Y 2.330 dBm 8.400 dBm 8.973 dBm | FUNC | FION | FUNCTION | WIDTH | - | 10.00 m | is (10001 pi |
| tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5 6 6 7 | 100 k | | 2.477 98 GH 2.483 50 GH 2.500 00 GH | z -5 z -5 | Y 2.330 dBm 8.400 dBm 8.973 dBm | FUNC | FION | FUNCTION | WIDTH | - | 10.00 m | is (10001 pi |
| tart 2.47 Res BW R MODE TF 1 N 1 2 N 1 3 N 1 4 N 1 5 6 6 7 8 8 9 9 | 100 k | | 2.477 98 GH 2.483 50 GH 2.500 00 GH | z -5 z -5 | Y 2.330 dBm 8.400 dBm 8.973 dBm | FUNC | FION | FUNCTION | WIDTH | - | 10.00 m | is (10001 pi |
| | 100 k | | 2.477 98 GH 2.483 50 GH 2.500 00 GH | z -5 z -5 | Y 2.330 dBm 8.400 dBm 8.973 dBm | FUNC | FION | FUNCTION | WIDTH | - | 10.00 m | is (10001 pi |



11. Conducted Spurious Emissions

11.1. Applied procedures / Limit

15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

11.2. Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span. RBW = 100 kHz VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold sweep points ≥ investigated frequency range/RBW.

11.3. Deviation from standard

No deviation.

11.4. Test setup



11.5. Test results

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | GFSK | 2402 | Ant 1 | -45.586 | -20 | Pass |
| NVNT | GFSK | 2441 | Ant 1 | -45.805 | -20 | Pass |
| NVNT | GFSK | 2480 | Ant 1 | -43.994 | -20 | Pass |

| | pectrum A | Analyzer - Swept SA | \ | | | | | | | | | | |
|------------|---------------|--|------------------------|--|----------|-----------|------|-------|---------------------|------------------------------|------|---|--|
| LXI R | RF | 50 Ω A0 | | | SENSE:I | NT | | ALI | GN AUTO | | | | 1 PM Apr 26, 2020 |
| Center | Freq ′ | 12.515000 | 000 GHz | | Tri | g: Free F | Run | | Avg Typ Avg Hold | e: Log-Pwr | | 1 | RACE 1 2 3 4 5 6 TYPE M WWWW |
| | | | | PNO: Fast ++ IFGain:Low | | tten: 20 | | | | | | | DET P NNNN |
| | | | | | | | | | | | N | lkr1 2 / | 02 2 GHz |
| 10 dB/div | | Offset 11.32 | | | | | | | | | | | .429 dBm |
| | Re | 10.00 UBI | | | 1 | | | | | | | | |
| 0.00 | (| <u></u> | | | | | | | | | | | |
| -10.0 | | | | | | | | | | | | | |
| -20.0 | | | | | | | | | | | | | -19.73 dBm |
| | | | | | | | | | | | | | |
| -30.0 | | | 3 | | | | | | | | | | |
| -40.0 | | | > <mark></mark> | | | | | | | | | | |
| -50.0 | | | | 5 <mark>⁴ _ ^</mark> | | | | | | a hate a select a base state | | and the state of the second | Alterna March 1 |
| -60.0 | المارسا يرابى | | and ball of sectors of | a second and a second as a | the knob | de stande | | | | | | and the second secon | Children Brand and a state of the little |
| -70.0 | A STREET | الاند _{ور ب} يعناطري <mark>ي</mark> | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| -80.0 | | | | | | | | | | | | | |
| Start 30 | MHz | | | | ļ | | | ļ | | | | Stor | 25.00 GHz |
| #Res BV | | kHz | | #VE | W 30 | 0 kHz | | | | s | weep | 2.387 s | (40001 pts) |
| MKR MODE | TRC SCI | | х | Y | | FUNC | TION | EUNCT | ION WIDTH | | FUN | ICTION VALUE | ~ |
| 1 N | 1 f | | 2.402 2 GH | | | | | | | | | | |
| 2 N 3 N | 1 f | | 4.804 3 GH | | dBm | | | | | | | | |
| 4 N | 1 1 | | 7.325 6 GH | | | | | | | | | | |
| 5 N | 1 f | | 9.615 4 GH | | | | | | | | | | E |
| 6 | _ | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| • | | | | | | | | | | | | | • |
| MSG | | | | | | | | | STATUS | | | | |
| | | | | | _ | | _ | _ | | | _ | | |

Tx. Spurious NVNT 2402MHz Ant1 Emission

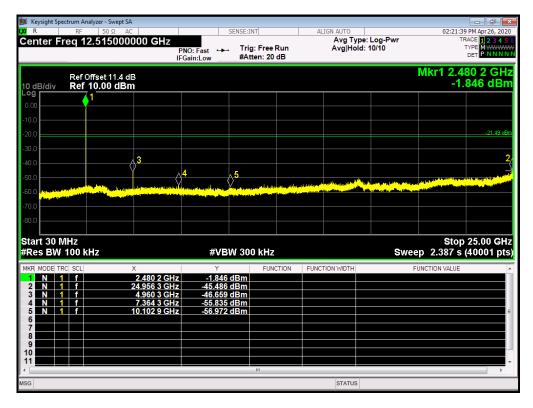
Tx. Spurious NVNT 2441MHz Ant1 Emission

| | | nalyzer - Swept SA | | | | | | | | | | | |
|---------------------------------|------------|------------------------------|-----------------------------|-------------|------------------|---------------------|---------------|---------------|---|--|---------|------------------|-----------------------|
| (R Center E | RF | 50 Ω AC 2.515000 | | | SENSE: | NT | | ALI | IGN AUTO Avg Type | Log-Pwr | | | PM Apr 26, 202 |
| | req i | 2.515000 | | PNO: Fast + | | g: Free tten: 20 | | | Avg Hold: | | | 1 | |
| | | | | IFGalli.LOw | #71 | | 45 | | | | Mk | 124 | 10 9 GH |
| 10 dB/div | | Offset 11.37 of 10.00 dBn | | | | | | | | | | | 082 dBn |
| _ og 0.00 | | 1 | | | | | | | | | | | |
| -10.0 | | | | | | | | | | | | | |
| -20.0 | | | | | | | | | | | | | -20.51 dB |
| 30.0 | | | | | | | | | | | | | |
| 40.0 | | | 3 | | | | | | | | | | |
| -50.0 | | Hu Attac | | × |) | | as the states | Juli en en la | en de la mente de la constante | () | | | |
| 60.0 <mark>- 11 - 14 - 1</mark> | | | | | | | <u></u> | | a a di di secono di s | <mark>iki , sina , na , nika , ni Nika , nika , n</mark> | | | |
| 70.0 80.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Start 30 I ≉Res BW | | Hz | | #\ | /BW 30 | 0 kHz | | | | SI | weep 2 | Stop .387 s (| 25.00 GH 40001 pts |
| MKR MODE T | RC SCL | | x | Y | | FUN | CTION | FUNCT | ION WIDTH | | FUNCTIO | ON VALUE | |
| 1 N | 1 f 1 f | | 2.440 9 GHz 24.895 1 GHz | z -0.0 | 82 dBm 10 dBm | | | | | | | | |
| 3 N | 1 f | | 4.882 3 GHz | -47.2 | 34 dBm | | | | | | | | |
| 4 N 1 | 1 f 1 f | | 7.217 6 GHz 9.576 7 GHz | | 41 dBm 60 dBm | | | | | | | | |
| 6 | | | 3.0101 0112 | -07.4 | | | | | | | | | |
| 7 8 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 9 | | | | | _ | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 9 | | | | | | III | | | | | | | • |



Tx. Spurious NVNT 2480MHz Ant1 Emission

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| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-----------|-----------------|---------|-----------------|-------------|---------|
| NVNT | π/4-DQPSK | 2402 | Ant 1 | -44.658 | -20 | Pass |
| NVNT | π/4-DQPSK | 2441 | Ant 1 | -44.342 | -20 | Pass |
| NVNT | π/4-DQPSK | 2480 | Ant 1 | -43.633 | -20 | Pass |

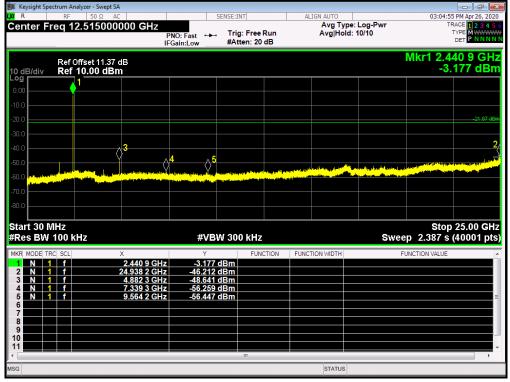
Tx. Spurious NVNT 2402MHz Ant1 Emission

| 🍺 Keysight Spe | ectrum Ana | alyzer - Swept SA | | unousit | | | | | | |
|----------------|-----------------------|---|----------------------------|---|---|-----------------------------------|----------------|------------|-----------------|---|
| LXI R | RF | 50 Ω AC | | | SENSE:INT | | ALIGN AUTO | | | 9 PM Apr 26, 2020 |
| Center F | reg 12 | 2.5150000 | 000 GHz | | | _ | | e: Log-Pwr | TI | RACE 1 2 3 4 5 6 |
| | | | | PNO: Fast 🔸 | . Trig: Fre | | Avg Hol | d: 10/10 | | |
| | | | | FGain:Low | #Atten: 2 | UdB | | | | Den je se |
| | Bofo | ffset 11.32 c | ю | | | | | | Mkr1 2.4 | 02 2 GHz |
| 10 dB/div | | 10.00 dBm | | | | | | | -1. | 517 dBm |
| Log | | | | | | | | | | |
| 0.00 | 7 | | | | | | | | | |
| -10.0 | | | | | | | | | | |
| -10.0 | | | | | | | | | | |
| -20.0 | | | | | | | | | | -21.20 dBm |
| -30.0 | | | | | | | | | | |
| | | | 3 | | | | | | | 2 |
| -40.0 | | \longrightarrow | | | | | | | | 3 |
| -50.0 | | | | ⟩ ⁴ ^5 | | | | | Tant Street | Construction of the local difference of the |
| -60.0 | and so he | and the second | and the states and the | Hand and a second second | ultration on televity | alinets of the | | | | All and a star of the |
| مصدر شرقي | and the second second | and the second secon | - | a she ti the site of the second second second | (in the second s | Contraction of the local distance | | | | |
| -70.0 | | | | | | | | | | |
| -80.0 | | | | | | | | | | |
| | | | | | | | | | | |
| Start 30 N | ЛHz | | | | | | | | Stop | 25.00 GHz |
| #Res BW | 100 kl | Hz | | #VE | W 300 kH | z | | Sw | eep 2.387 s | (40001 pts) |
| MKR MODE TH | | | x | Y | FL | NCTION | FUNCTION WIDTH | | FUNCTION VALUE | |
| 1 N 1 | | | 2.402 2 GHz | | | nonon. | | | 101010101101202 | |
| 2 N 1 | f | | 24.945 7 GHz | -45.867 | dBm | | | | | |
| 3 N 1 | f | | 4.804 3 GHz | -46.070 | dBm | | | | | |
| 4 N 1 | | | 7.316 2 GHz 9.451 2 GHz | | | | | | | |
| 6 | | | 3.431 Z GHZ | -30.774 | denn | | | | | - |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 11 | | | | | | | | | | - |
| • | | | | | III | | | | | • |
| MSG | | | | | | | STATUS | | | |
| | | | | | | | | | | |

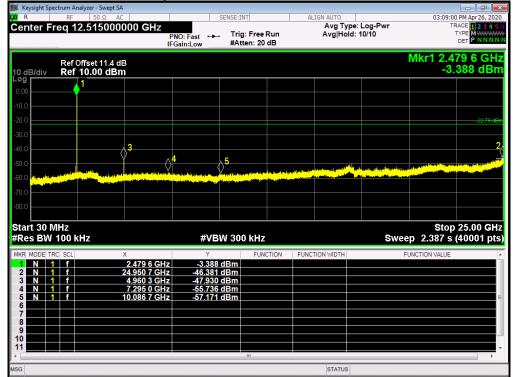


Tx. Spurious NVNT 2441MHz Ant1 Emission

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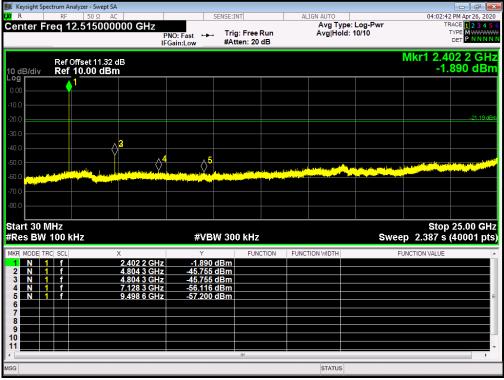
Tx. Spurious NVNT 2480MHz Ant1 Emission





| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT | 8DPSK | 2402 | Ant 1 | -44.564 | -20 | Pass |
| NVNT | 8DPSK | 2441 | Ant 1 | -44.657 | -20 | Pass |
| NVNT | 8DPSK | 2480 | Ant 1 | -42.538 | -20 | Pass |

| Tx. Spurious | NVNT 2402MHz Ant1 Emission |
|--------------|----------------------------|
| | |



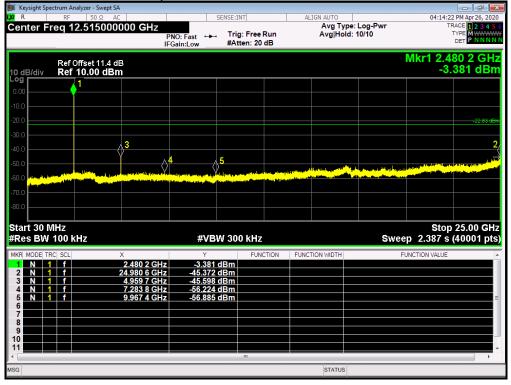
Tx. Spurious NVNT 2441MHz Ant1 Emission

| 🚺 Keysight | Spect | rum Ar | nalyzer - Swept SA | | | | | | | | | | | |
|-------------------|---|--------|-----------------------------|-----------------------------|------------------------|------------------|---------------------|-------------------|--|-------------------------------------|---|----------------|------------------------------------|----------|
| U R | Ì | RF | 50 Ω AC | | | SENSE: | INT | | AL1 | IGN AUTO | | 04 | 1:05:18 PM Apr 26, | |
| Center | Fre | eq 1 | 2.515000 | | PNO: Fast FGain:Low | | g: Free tten: 20 | | | Avg Type: Avg Hold: | | | TRACE 1 2 3 TYPE MWW DET PNN | AWAA |
| I0 dB/div | | | Offset 11.37 o 10.00 dBn | | | | | | | | | Mkr1 | 2.440 9 G -2.224 dl | iH Br |
| .00 | | _ | 1 | | | | | | | | | | | |
| 10.0 20.0 | | | | | | | | | | | | | -21.6 | 6 dl |
| 30.0 40.0 | | | | 3 | | | | | | | | | | |
| 50.0 | | | | | 4 | ^ 5 | ور مار ا | المتعمر والم | المروب المروبة المرور | and the second states of the second | la antica da contra d | | | , iii |
| | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | | | | | and a first of the | i la constituta d | and the second | Laibhean, aibhline I | in a star star si in a star si i | | | |
| 0.0 | | | | | | | | | | | | | | |
| tart 30 Res Bl | | | Hz | | #\ | /BW 30 | 0 kHz | | | | Sw | s veep 2.38 | Stop 25.00 C 7 s (40001 | Gł pi |
| KR MODE | TRC | SCL | | x | N | | FUN | CTION | FUNCT | ION WIDTH | | FUNCTION V | ALUE | - |
| 1 N | 1 | f | | 2.440 9 GHz | | 24 dBm | | | | | | | | |
| 2 N 3 N | 1 | | | 24.941 3 GHz 4.882 3 GHz | | 29 dBm 23 dBm | | | | | | | | |
| 4 N | 1 | f | | 7.322 5 GHz | -56.5 | 15 dBm | | | | | | | | |
| 5 N 6 7 | 1 | f | | 9.571 0 GHz | -57.0 | 157 dBm | | | | | | | | |
| 8 9 0 | | | | | | | | | | | | | | |
| 1 | | | | | | | 111 | | | | | | | • |
| G | | | | | | | | | | STATUS | | | | - |
| _ | _ | _ | | | | | | | | | | | | _ |



Tx. Spurious NVNT 2480MHz Ant1 Emission

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12. Antenna Requirement

12.1. Standard requirement

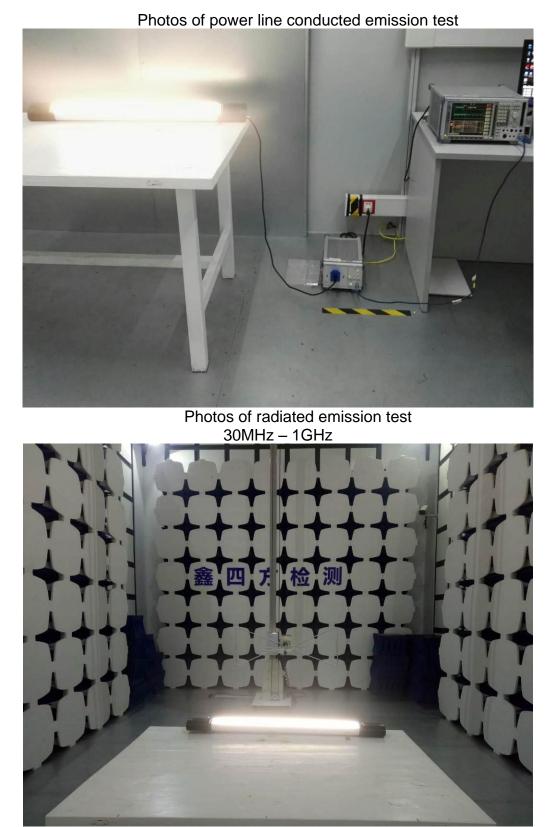
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiatoris reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

12.2. EUT Antenna

The antenna is Integral Antenna and no consideration of replacement. Antenna gain is Maximum 0 dBi from 2.4GHz to 2.5GHz.



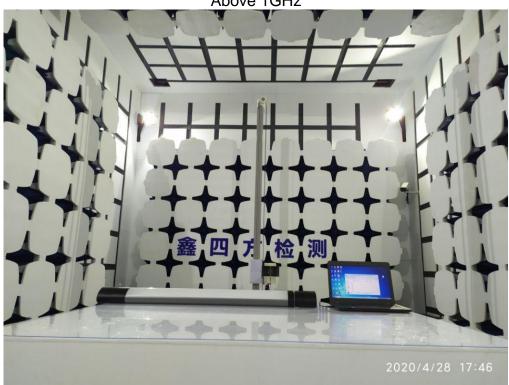
13. Test setup photograph



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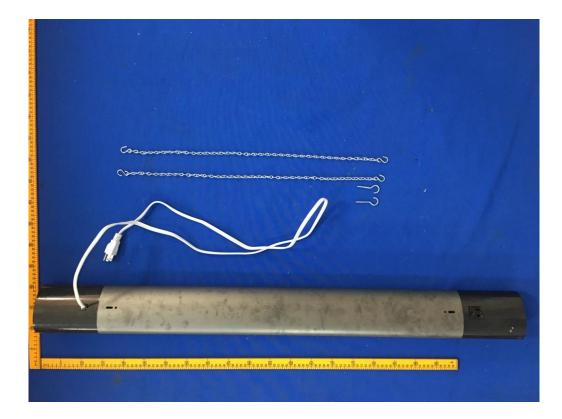


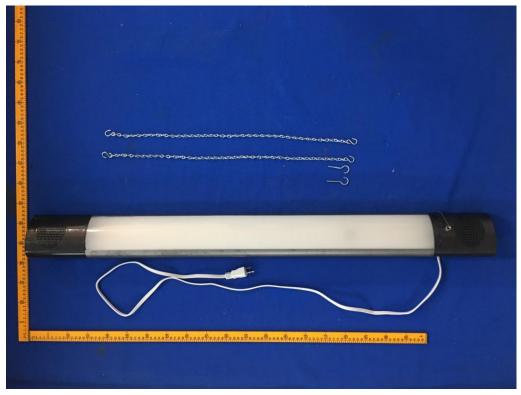
Photos of radiated emission test Above 1GHz





14. Photos of the EUT

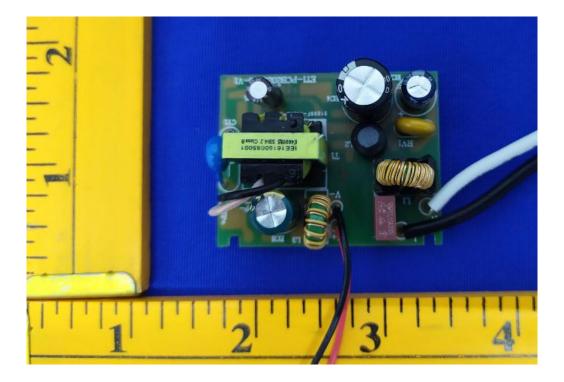






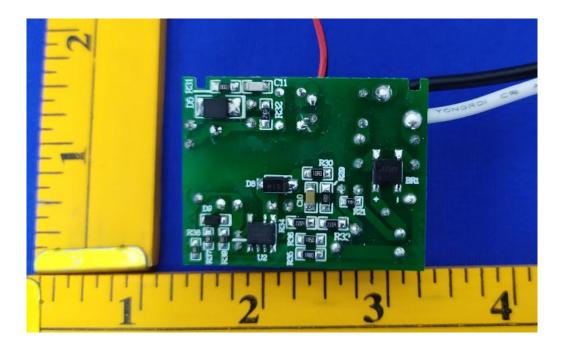


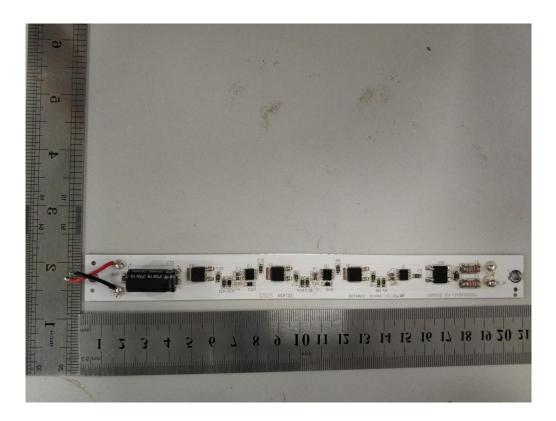




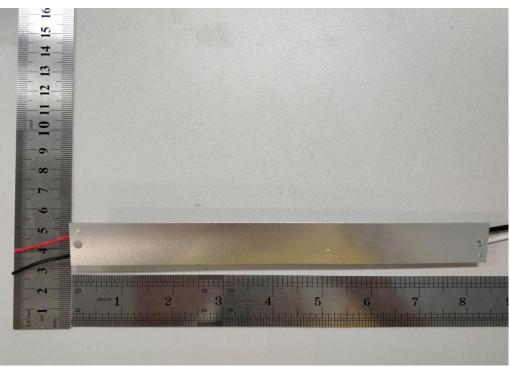


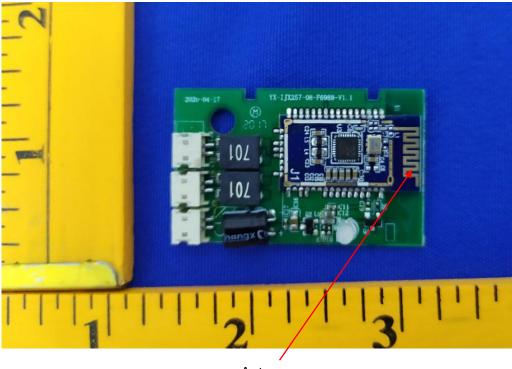






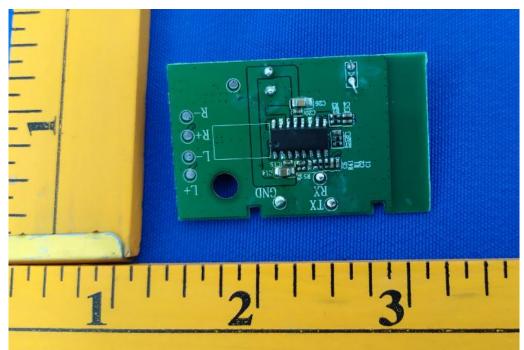






Antenna





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