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| Center Fred | RF 50 Ω | | Cente | SENSE:INT r Freq: 2.4370 | 000000 GHz | ALIGN AUTO | 10:12:33 / Radio Std | AM Aug 26, 2020 I: None | Frequency |
|---|---|--|-------------------------|--|----------------------|---|---|---|---|
| | 1 2.437000 NF | | Trig: | Free Run n: 30 dB | | ld: 100/100 | Radio De | | |
| | | | | | | Mkr | | 752 GHz | ſ |
| 10 dB/div | Ref Offset 19 Ref 20.00 | | | | | | | 41 dBm | |
| Log 10.0 | | | - 000 | | | | | | |
| 0.00 | | ~ | m | · · · · · · · · · · · · · · · · · · · | m | | | | Center Freq 2.437000000 GHz |
| -10.0 | | ~~~~~ | | | - V | who - | | | 2.437000000 GH2 |
| -20.0 | m | ~~ | | | | - h | - 0.0 | | |
| -30.0 | | V | | | | | m | - | |
| -40.0 | | | | | | r | | W p.Mar | |
| -50.0 | | | | | | | | | |
| -60.0 | | | | | | | | | |
| -70.0 | | | | | | | | | |
| Center 2.43 | | | | | 1 | 1 | | n 40 MHz | CF Step |
| #Res BW 43 | 30 kHz | | # | VBW 1.5 | MHz | | | eep 1ms | 4.000000 MHz |
| Occupie | ed Bandw | vidth | | Total | Power | 24.2 | 2 dBm | | Auto Man |
| Coupie | | 14.595 | мна | | | | | | |
| | _ | | | | | | | | Freq Offset 0 Hz |
| Transmit | Freq Erro | r -176.7 | 73 kHz | % of C | OBW Pov | ver 99 | 9.00 % | | 0 H2 |
| x dB Ban | dwidth | 18.8 | 4 MHz | x dB | | -26. | 00 dB | | |
| | | | | | | | | | |
| | | | | | | | | | |
| MSG | | | | | | | _ | | |
| | | | | | | CTATIN | | | |
| | | | _ | | 4 0403 | STATUS | S | | |
| K 1110 | | | | 11B_Ant | t1_2437 | | s | | |
| | RF 50 Ω | DC | | SENSE:INT | | ALIGN AUTO | 10:26:52 / | AM Aug 26, 2020 | Frequency |
| Keysight Spectru | RF 50 Ω 2.437000 | 000 GHz | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A | l: None | |
| LXI RL | RF 50 Ω | 000 GHz | Cente | SENSE:INT | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio Dev | l: None vice: BTS | Frequency |
| Center Fred | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency |
| LXI RL | RF 50 Ω 2.437000 NF | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS | Frequency |
| 10 dB/div | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency Center Freq |
| 10 dB/div | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency |
| 10 dB/div Log 10.0 .00 -10.0 | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency Center Freq |
| ID dB/div 10 dB/div Log | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency Center Freq |
| JU RL Center Free 10 dB/div Log 10.0 .000 .100 .200 .30.0 | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | l: None vice: BTS 852 GHZ | Frequency Center Freq |
| 10 dB/div Log 10.0 10.0 -10.0 -20.0 -30.0 -40.0 | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | I: None vice: BTS 352 GHz 33 dBm | Frequency Center Freq |
| JU RL Center Free 10 dB/div Log 10.0 .000 .000 .30.0 .40.0 .50.0 | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | I: None vice: BTS 352 GHz 33 dBm | Frequency Center Freq |
| JU RL Center Freq 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0 | RF 50 Ω 2.437000 NF Ref Offset 19 | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 A Radio Std Radio De 1 2.430 | I: None vice: BTS 352 GHz 33 dBm | Frequency Center Freq |
| 10 BL Center Freq 10.0 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 | Ref Offset 15 Ref 20.00 NF | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | 000000 GHz | ALIGN AUTO | 10:26:52 / Radio Sto Radio Der 1 2.436 13.7 | I: None vice: BTS 352 GHz 33 dBm | Frequency Center Freq |
| 10 RL Center Free 10.0 10.0 -20.0 -30.0 -40.0 -50.0 | № 50.2 2.437000 NF Ref Offset 18 Ref 20.00 Ref 20.00 NF 7 GHz 7 GHz | DC 000 GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT Freq: 2.4370 Free Run | | ALIGN AUTO | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.437000000 GHz |
| ID dB/div Log | №F 50.0 2.437000 NF Ref Offset 15 Ref 20.00 | DC U 000 GHz #IFGain:Lov 3.79 dB dBm | Cente | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO | 10:26:52 / Radio Sto Radio Der 1 2.43(13.7 13.7 5 5 5 8 5 8 5 8 5 8 5 8 5 8 5 8 1 1 1 1 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.437000000 GHz |
| Jul RL Center Free 10 dB/div | № 50.2 2.437000 NF Ref Offset 18 Ref 20.00 Ref 20.00 NF 7 GHz 7 GHz | pc | Cente | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | | ALIGN AUTO | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz CF Step 4.00000 MHz |
| M RL Center Free 10 dB/div Log 10.0 .000 | №F 50.0 2.437000 NF Ref Offset 15 Ref 20.00 | DC U 000 GHz #IFGain:Lov 3.79 dB dBm | Cente | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO | 10:26:52 / Radio Sto Radio Der 1 2.43(13.7 13.7 5 5 5 8 5 8 5 8 5 8 5 8 5 8 5 8 1 1 1 1 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz CF Step 4.00000 MHz |
| JU RL Center Free 10 dB/div Log 10.0 0.00 -0.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.43 #Res BW 43 | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz 30 kHz 20 Bandw Bandw | 2000 GHz #IFGain:Lov 9.79 dB dBm /idth 13.251 I | Cente Trig: #Atte | SENSE:INT Freq: 2.437(Free Run n: 30 dB FVBW 1.5 I Total I | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.437000000 GHz 4.000000 MHz <u>Auto</u> Man |
| 20 RL Center Free 10 dB/div Log 10.0 | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz NF 30 kHz Standy Ed Bandw Freq Erro | vidth 13.251 I r -72.15 | Cente Trig: #Atte | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr 44 44 44 44 44 44 44 44 44 44 44 44 44 | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz 4.00000 MHz Auto Man |
| 20 RL Center Free 10 dB/div Log 10.0 | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz NF 30 kHz Standy Ed Bandw Freq Erro | vidth 13.251 I r -72.15 | Cente Trig: #Atte | SENSE:INT Freq: 2.437(Free Run n: 30 dB FVBW 1.5 I Total I | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz 4.00000 MHz Auto Man |
| 20 RL Center Free 10 dB/div Log 10.0 | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz NF 30 kHz Standy Ed Bandw Freq Erro | vidth 13.251 I r -72.15 | Cente Trig: #Atte | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz 4.00000 MHz Auto Man |
| Mail RL Center Free 10 dB/div Log 10.0 10.0 | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz NF 30 kHz Standy Ed Bandw Freq Erro | vidth 13.251 I r -72.15 | Cente Trig: #Atte | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 10:26:52 / Radio Std Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz 4.00000 MHz Auto Man |
| Image: Name RL Center Free 10 dB/div Log 10.0 10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.43 #Res BW 4: Occupie Transmit | № 50.2 2.437000 NF Ref Offset 15 Ref Ref 20.00 NF 7 GHz NF 30 kHz Standy Ed Bandw Freq Erro | vidth 13.251 I r -72.15 | Cente Trig: #Atte | SENSE:INT or Freq: 2.4370 Free Run n: 30 dB | 000000 GHz Avg Ho | ALIGN AUTO Id: 100/100 Mkr 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 10:26:52 / Radio Ste Radio Dev 1 2.43(13.7 | I: None vice: BTS 352 GHz 33 dBm | Center Freq 2.43700000 GHz 4.00000 MHz Auto Man |



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| LXI RL | m Analyzer - Occu RF 50 Ω | DC | | SENSE:INT enter Freq: 2.4620 | 00000 CI | AL | IGN AUTO | 10:14:26 A | M Aug 26, 2020 | Frequency |
|---|---|--|--------------------|---|--------------|----------|---|---|---|---|
| Center Fre | | NFE | TI taka | rig: Free Run | Avg | Hold: 1 | 100/100 | | | |
| | | #IFGai | n:Low #/ | Atten: 30 dB | | | Micer | Radio Dev | 152 GHz | ſ |
| 10 dB/div | Ref Offset 7 Ref 20.00 | 19.79 dB) dBm | | | | | IVIKI | | 06 dBm | |
| Log | | | | 1 | | | | | | |
| 0.00 | | | m | wwwww | m | | | | | Center Freq |
| -10.0 | | ~ | ~~ | | | m. | | | | 2.462000000 GHz |
| -20.0 | | N | | | | - W. | \mathcal{L} | | | |
| -30.0 | | | | | | | - V. | | | |
| -40.0 when the | mannan | ~~~ | | | | | Juny . | manum | walle have a ford | |
| -50.0 | | | | | _ | | | | | |
| -60.0 | | | | | | | | | | |
| -70.0 | | | | | | | | | | |
| Center 2.46 | 2 GHz | | | | 1 | | | Spa | n 40 MHz | OE Offer |
| #Res BW 4 | | | | #VBW 1.5 I | MHz | | | | eep 1 ms | CF Step 4.000000 MHz |
| Occuri | ed Band | width | | Total I | Power | | 22.3 | dBm | | <u>Auto</u> Man |
| occupi | | | 8 MHz | | | | 0 | | | |
| | | | | | | | | | | Freq Offset |
| Transmi | t Freq Erro | or -44 | 4.172 kHz | % of C | BW Po | ower | · 99 | .00 % | | 0 Hz |
| x dB Bar | ndwidth | 1 | 7.08 MHz | x dB | | | -26.0 | 00 dB | | |
| | | | | | | | STATUS | 3 | | |
| | im Δnalvzer - Occo | unied BW | | 11B_Ant | 1_246 | 62 | STATUS | \$ | | |
| | RF 50 Ω | DC | | SENSE:INT | | AL | STATUS | 10:28:40 A | M Aug 26, 2020 | Frequency |
| Keysight Spectru Kall Center Fre | RF 50 Ω | DC 0000 GHz NFE | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | | 10:28:40 A Radio Std | l: None | |
| X/RL | RF 50 Ω q 2.46200 | DC 0000 GHz NFE #IFGai | TI tak | SENSE:INT | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev | l: None vice: BTS | |
| X/RL | RF 50 Ω | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None | |
| 20 dB/div | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency |
| 20 dB/div | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | |
| 10 dB/div | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| 10 dB/div | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -30.0 | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| M RL Center Free 10 10.0 0.00 -20.0 -30.0 | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| M RL Center Free 10 10.0 10.0 -20.0 -30.0 -50.0 | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| M RL Center Free 10 dB/div Log 10.0 | RF 50 Ω q 2.46200 Ref Offset 2 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 | l: None vice: BTS 152 GHZ | Frequency Center Freq |
| 20 RL Center Free 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -50.0 -60.0 -70.0 | RF 50 Ω 2.462000 Ref Offset Ref 20.000 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run | 000000 GH | AL Hz | IGN AUTO | 10:28:40 A Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Frequency Center Freq |
| M RL Center Free 10 dB/div Log 10.0 -0.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.46 | Ref Offset 2 Ref 20.00 | DC 0000 GHz NFE #IFGain 19.79 dB | TI tak | SENSE:INT | | AL Hz | IGN AUTO | 10:28:40 # Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz |
| 20 RL Center Free 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -60.0 -70.0 Center 2.46 #Res BW 4 | Ref 50 Ω 2.462000 1 Ref Offset 7 Ref 20.000 1 | DC 00000 GHz #IFGai 19.79 dB 0 dBm | TI tak | SENSE:INT enter Freq: 2.4620 rig: Free Run Atten: 30 dB | MHz | | LIGN AUTO 100/100 Mkr | 10:28:40 A Radio Std Radio Dev 1 2.467 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.462000000 GHz |
| Image: Network of the second | Ref Offset 2 Ref 20.00 | DC 0000 GHz 00000 GHz #IFGai 19.79 dB 0 dBm | | sense:int] enter Freq: 2.4620 rig: Free Run Atten: 30 dB | MHz | | LIGN AUTO 100/100 Mkr | 10:28:40 # Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz CF Step 4.00000 MHz |
| M RL Center Fre Log 10.0 0.00 -10.0 -20.0 -30.0 -60.0 -70.0 Center 2.46 #Res BW 4 | Ref Offset 7 Ref Offset 7 Ref 20.000 | DC 0000 GHz 00000 GHz #IFGai 19.79 dB 0 dBm | TI tak | sense:int] enter Freq: 2.4620 rig: Free Run Atten: 30 dB | MHz | | LIGN AUTO 100/100 Mkr | 10:28:40 A Radio Std Radio Dev 1 2.467 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz 4.00000 MHz Auto Man |
| 20 RL Center Free 10 dB/div Log 10.0 10.0 0.00 -10.0 | Ref Offset 7 Ref Offset 7 Ref 20.000 | DC 0000 GHZ 00000 GHZ #IFGai 19.79 dB 0 dBm 0 dBm 0 dBm 13.15 | | SENSE:INT enter Freq: 2.4620 rig: Free Run Atten: 30 dB | MHz Power | | LIGN AUTO 100/100 Mkr 22.9 | 10:28:40 A Radio Std Radio Dev 1 2.467 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz 4.00000 MHz <u>Auto</u> Man |
| Odd B/div 10 dB/div Log 10.0 10.0 .20.0 .30.0 .40.0 .50.0 .50.0 .60.0 .70.0 Center 2.46 #Res BW 4 | Ref Offset 2 Ref 20.00 | DODOO GHZ WFE #IFGai 19.79 dB 0 dBm width 13.15 or -3' | 9 MHz | SENSE:INT enter Freq: 2.4620 rig: Free Run Atten: 30 dB #VBW 1.5 I Total I % of C | MHz Power | | LISN AUTO 100/100 Mkr 22.9 7 99 | 10:28:40 A Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz 4.00000 MHz Auto Man |
| Odd B/div 10 dB/div Log 10.0 10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.46 #Res BW 4 Occupit Transmi | Ref Offset 2 Ref 20.00 | DODOO GHZ WFE #IFGai 19.79 dB 0 dBm width 13.15 or -3' | 9 MHz 1.607 kHz | SENSE:INT enter Freq: 2.4620 rig: Free Run Atten: 30 dB #VBW 1.5 I Total I % of C | MHz Power | | LISN AUTO 100/100 Mkr 22.9 7 99 | 10:28:40 A Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz 4.00000 MHz Auto Man |
| 20 RL Center Free 10 dB/div Log | Ref Offset 2 Ref 20.00 | DODOO GHZ WFE #IFGai 19.79 dB 0 dBm width 13.15 or -3' | 9 MHz 1.607 kHz | SENSE:INT enter Freq: 2.4620 rig: Free Run Atten: 30 dB #VBW 1.5 I Total I % of C | MHz Power | | LISN AUTO 100/100 Mkr 22.9 7 99 | 10:28:40 A Radio Std Radio Dev 1 2.461 12.5 | I: None vice: BTS 152 GHz 65 dBm | Center Freq 2.46200000 GHz 4.00000 MHz Auto Man |



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| Center Free | RF 50 Ω D | | | NSE:INT req: 2.41200 | | LIGN AUTO | 10:16:37 A Radio Std | M Aug 26, 2020 | Frequency |
|--|--|--|---------------------------------------|--------------------------------|------------------------|----------------|---|--|--|
| | q 2.4120000 NFE | •• | 🕂 Trig: Free | e Run | Avg Hold: | 100/100 | | | |
| | | #IFGain:Low | #Atten: 3 | U dB | | P.41. | Radio Dev | | |
| 10 dB/div | Ref Offset 19.3 | | | | | MKL | | 272 GHz 42 dBm | |
| Log | Ref 20.00 d | Bm | | \ 1 | | - | 11.2 | | |
| 10.0 | | month | والملهب المسترجيني والمسترج | and an and a second | - www.www. | | | | Center Freq |
| 0.00 | | | | | | n | | | 2.412000000 GHz |
| -10.0 | a antonio | PIN PIN | | | | M. M. Martin | & may when a way with | | |
| -20.0 | population for a for the the | | | | | | | Mine why why | |
| -30.0 Availand | | | | | | | | | |
| -40.0 | | | | | | | | | |
| -60.0 | | | | | | | | | |
| -70.0 | | | | | | | | | |
| | | | | | | | | | |
| Center 2.41 #Res BW 4 | | | #\/= | 3W 1.5 N | 147 | | | n 40 MHz ep 1 ms | CF Step |
| ALCO DW 4 | 57 R112 | | #VC | I.J IV | | | OWE | veh i ilis | 4.000000 MHz Auto Man |
| Occupie | ed Bandwi | dth | | Total P | ower | 24.3 | dBm | | |
| | | 17.258 MI | Hz | | | | | | Freq Offset |
| Transmit | t Freg Error | 253.67 | | % of O | BW Powe | r 00 | .00 % | | 0 Hz |
| | | | | | BW FOWE | | | | |
| x dB Bar | awiath | 25.98 N | /IHZ | x dB | | -20. | 00 dB | | |
| | | | 11 | G_Ant | 1_2412 | | | | |
| Keysight Spectru | u <mark>m Analyzer - Occupie</mark> RF 50 Ω D0 | | | | | | | | |
| | | | | | A 1 | | 10:20:10 4 | M Aug 26, 2020 | |
| Center Free | q 2.4120000 | | | NSE:INT req: 2.41200 | 00000 GHz | LIGN AUTO | 10:30:19 A Radio Std | M Aug 26, 2020 : None | Frequency |
| Center Free | q 2.4120000 NFE | | Tains France | req: 2.41200 e Run | | | | : None | 1 |
| | | ++ #IFGain:Low | 🚽 Tria: Free | req: 2.41200 e Run | 00000 GHz | 100/100 | Radio Std Radio Dev 1 2.412 | : None rice: BTS 2 <mark>64 GHZ</mark> | 1 |
| 10 dB/div | NFE | #IFGain:Low ↔ | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 | Radio Std Radio Dev 1 2.412 | : None rice: BTS | 1 |
| | NFE Ref Offset 19.7 | #IFGain:Low ↔ | 🚽 Tria: Free | req: 2.41200 e Run | 00000 GHz | 100/100 | Radio Std Radio Dev 1 2.412 | : None rice: BTS 2 <mark>64 GHZ</mark> | 1 |
| 10 dB/div Log | NFE Ref Offset 19.7 | #IFGain:Low ↔ | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency |
| 10 dB/div Log 10.0 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -30.0 | NFE Ref Offset 19.7 | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -0.0 -20.0 -30.0 -40.0 -50.0 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -70.0 | Ref Offset 19.7 Ref 20.00 d | #FGain:Low 79 dB Bm | 🚽 Tria: Free | req: 2.41200 e Run 0 dB | 00000 GHz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq |
| 10 dB/div Log 0.0 -0.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.41 | Ref Offset 19. Ref 20.00 d | #FGain:Low 79 dB Bm | Atten: 3 | eq: 2.4120(e Run 0 dB | 00000 GHz Avg Hold: | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | n 40 MHz | Center Freq 2.412000000 GHz |
| 10 dB/div Log 10.0 .0.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.41 #Res BW 43 | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm | Atten: 3 | 241200 e Run 0 dB | 1Hz | | Radio Std Radio Dev 1 2.412 11.5 | : None rice: BTS 264 GHz 65 dBm | Frequency Center Freq 2.412000000 GHz |
| 10 dB/div Log 10.0 .0.0 -20.0 -20.0 -40.0 -50.0 -60.0 -70.0 Zenter 2.41 #Res BW 43 | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm | Trig: Free #Atten: 3 | eq: 2.4120(e Run 0 dB | 1Hz | | Radio Std Radio Dev 1 2.412 11.5 | n 40 MHz | Center Freq 2.41200000 GHz |
| 10 dB/div Log 10.0 .0.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.41 #Res BW 43 | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm | Trig: Free #Atten: 3 | 241200 e Run 0 dB | 1Hz | | Radio Std Radio Dev 1 2.412 11.5 | n 40 MHz | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man |
| 10 dB/div Log 10.0 -0.0 -0.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.41 #Res BW 43 Occupie | Ref Offset 19.7 Ref 20.00 d Antenhandor Antenhandor 2 GHz 30 kHz ed Bandwi | #IFGain:Low 79 dB Bm part part dth 17.079 MI | Trig: Free #Atten: 3 | eq: 2.41200 e Run 0 dB | 1Hz | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | n 40 MHz | Center Freq 2.41200000 GHz |
| 10 dB/div Log 10.0 -0 | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm water product dth 17.079 MI 102.81 I | Trig: Free #Atten: 3 #VE #VE | 8W 1.5 M Total P % of Ol | 00000 GHz Avg Hold: | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 Spa Spa Swe i dBm | n 40 MHz | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |
| 10 dB/div Log 10.0 -0 | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm part part dth 17.079 MI | Trig: Free #Atten: 3 #VE #VE | eq: 2.41200 e Run 0 dB | 00000 GHz Avg Hold: | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 | n 40 MHz | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |
| 10 dB/div Log 10.0 -0.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 Center 2.41 #Res BW 4: Occupic Transmit | Ref Offset 19.7 Ref 20.00 d | #IFGain:Low 79 dB Bm water product dth 17.079 MI 102.81 I | Trig: Free #Atten: 3 #VE #VE | 8W 1.5 M Total P % of Ol | 00000 GHz Avg Hold: | 100/100 Mkr | Radio Std Radio Dev 1 2.412 11.5 Spa Spa Swe i dBm | n 40 MHz | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |



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| N RL | rum Analyzer - Occu RF 50 Ω | DC | | SENSE:INT | A | LIGN AUTO | 10:18:11 | AM Aug 26, 2020 | Frequency |
|---|---|-------------------------------------|---|---|------------------------|---|--|---|--|
| Center Fre | q 2.437000 | FE | Trig: F | r Freq: 2.43700 Free Run | 0000 GHz Avg Hold: | 100/100 | Radio Sto | | requercy |
| | | #IFGain:Lov | w #Atter | n: 30 dB | | | Radio De | | |
| | Ref Offset 1 | | | | | Mkr | | 596 GHz | |
| 10 dB/div Log | Ref 20.00 | dBm | | | | • | 10.7 | '85 dBm | |
| 10.0 | | | where where we are | maymound | margam | | | | Center Freq |
| 0.00 | | | | | | <u> </u> | | | 2.437000000 GHz |
| -10.0 | manumation | 1/Martinet | | | | Mellon | Maramand | | |
| -20.0 makenthat | patheter | | | | | | and the start | and the man with the | |
| -30.0 | | | | | | | | | |
| -40.0 | | | | | | | | | |
| -50.0 | | | | | | | | | |
| -60.0 | | | | | | | | | |
| | | | | | | | | | |
| Center 2.4 | | | | | | | | an 40 MHz | CF Step |
| #Res BW 4 | FOO KHZ | | # | VBW 1.5 M | INZ | | SW | eep 1 ms | 4.000000 MHz |
| Occup | ied Bandv | vidth | | Total P | ower | 24.0 | 0 dBm | | <u>Auto</u> Man |
| | | 17.615 | MHz | | | | | | Freq Offset |
| Tranom | it Freq Erro | | 39 kHz | % of O | BW Powe | r 01 | 9.00 % | | 0 Hz |
| | - | | | | - We | | | | |
| х ав ва | ndwidth | 27.3 | 0 MHz | x dB | | -26 | .00 dB | | |
| | | | | | | | | | |
| | | | | | | | | | |
| WSG | | | | | | | _ | | |
| | | | | | | STATU | S | | |
| | | | | 110 4 04 | 1 2/27 | STATU | s | | |
| Keycjaht Cat | rum Anabore - Ocean | nied BW | | 11G_Ant1 | 1_2437 | STATU | 5 | | |
| X RL | rum Analyzer - Occu RF 50 Ω | DC | | SENSE:INT | A | STATU: | 10:31:25 | AM Aug 26, 2020 | Frequency |
| X RL | RF 50 Ω 2.437000 | DC 0000 GHz | Cente | SENSE:INT r Freq: 2.43700 Free Run | A | LIGN AUTO | 10:31:25 Radio Sto | l: None | |
| X RL | RF 50 Ω 2.437000 | DC 000 GHz | Cente | SENSE:INT r Freq: 2.43700 | A | LIGN AUTO | 10:31:25 Radio Sto Radio De | l: None vice: BTS | Frequency |
| Center Fre | RF 50 Ω eq 2.437000 ΝΙ Ref Offset 1 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 | d: None vice: BTS 912 GHz | Frequency |
| 20 RL Center Fre | RF 50 Ω 3 q 2.437000 N | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 | l: None vice: BTS | Frequency |
| 10 dB/div | RF 50 Ω eq 2.437000 ΝΙ Ref Offset 1 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 | d: None vice: BTS 912 GHz | Frequency Center Freq |
| RL Center Fre 10 dB/div Log 10.0 0.00 | RF 50 Ω eq 2.437000 ΝΙ Ref Offset 1 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 | d: None vice: BTS 912 GHz | Frequency |
| RL Center Fre Conter Fre 10 dB/div Log 10.0 .00 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| X RL Center Fre 10 dB/div Log 10.0 .000 .10.0 .20.0 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| X RL Center Fre 10 dB/div Log 10.0 .000 .10.0 .20.0 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz | Frequency Center Freq |
| N RL Center Fre 10 dB/div Log 10.0 -10.0 -20.0 -40.0 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| M RL Center Fre 10 dB/div 0.0 10.0 -20.0 -40.0 -50.0 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| N RL Center Fre 10 dB/div 00 10.0 -20.0 -40.0 -50.0 | Ref 50 Ω 22 2.437000 NI Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43 11.1 | d: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| M RL Center Fre 10 dB/div 10.0 0.00 -20.0 -40.0 -50.0 -60.0 -70.0 | Ref Offset 1: Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | A | LIGN AUTO | 10:31:25 Radio Sto Radio De 1 2.43: 11.1 | 1: None vice: BTS 912 GHz 30 dBm | Frequency Center Freq |
| III RL Center Free 10 dB/div Log | Ref Offset 1: Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB | | LIGN AUTO | IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz |
| III RL Center Free 10 dB/div Log | Ref Offset 1: Ref Offset 1: Ref 20.00 | DC GHz FE #IFGain:Lov 9.79 dB | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 Free Run h: 30 dB | | LIGN AUTO | IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.43700000 GHz 4.00000 MHz |
| X RL Center Fre 10.0 10.0 10.0 .000 .10.0 .000 .20.0 .40.0 .50.0 .60.0 .70.0 Center 2.4 #Res BW 4 | Ref Offset 1: Ref Offset 1: Ref 20.00 | pc | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB | Avg Hold: | | IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz |
| X RL Center Free 10 10.0 10.0 10.0 -0.0 | кг 50 Ω cq 2.4370000 N Ref Offset 1: Ref 20.000 N | pc | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 Free Run 1: 30 dB 1 1 1 1 1 1 1 1 1 1 1 1 1 | Avg Hold: | | In:31:25. Radio Ste Radio De I 2.431 II.1 | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz <u>Auto</u> Man |
| 10 dB/div Log 10.0 10.0 -10.0 -20.0 -40.0 -50.0 -60.0 -70.0 Center 2.4 #Res BW 2 Occupi | Ref 20.00 Ref Offset 1: Ref 20.00 | vidth 17.125 | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P | Avg Hold: | LIGN AUTO 100/100 Mkr | I dBm | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| JU RL Center Free 10 dB/div Log 10.0 10.0 | Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error | vidth 17.125 | Cente Trig: F #Atter #Atter # TO kHz | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE | Avg Hold: | LIGN AUTO 100/100 Mkr 24 r 95 | 10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Sw 1 dBm | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz <u>Auto</u> Man |
| M RL Center Free 10 dB/div Log 10.0 .000 <tr< td=""><td>Ref 20.00 Ref Offset 1: Ref 20.00</td><td>vidth 17.125</td><td>Cente Trig: F #Atter</td><td>SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P</td><td>Avg Hold:</td><td>LIGN AUTO 100/100 Mkr 24 r 95</td><td>I dBm</td><td>1: None vice: BTS 912 GHz 30 dBm</td><td>Center Freq 2.437000000 GHz 4.00000 MHz Auto Man</td></tr<> | Ref 20.00 Ref Offset 1: Ref 20.00 | vidth 17.125 | Cente Trig: F #Atter | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P | Avg Hold: | LIGN AUTO 100/100 Mkr 24 r 95 | I dBm | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| M RL Center Free 10 dB/div Log 10.0 .000 <tr< td=""><td>Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error</td><td>vidth 17.125</td><td>Cente Trig: F #Atter #Atter # TO kHz</td><td>SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE</td><td>Avg Hold:</td><td>LIGN AUTO 100/100 Mkr 24 r 95</td><td>10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Sw 1 dBm</td><td>1: None vice: BTS 912 GHz 30 dBm</td><td>Center Freq 2.437000000 GHz 4.00000 MHz Auto Man</td></tr<> | Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error | vidth 17.125 | Cente Trig: F #Atter #Atter # TO kHz | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE | Avg Hold: | LIGN AUTO 100/100 Mkr 24 r 95 | 10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Sw 1 dBm | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| M RL Center Free 10 dB/div Log 10.0 .000 <tr< td=""><td>Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error</td><td>vidth 17.125</td><td>Cente Trig: F #Atter #Atter # TO kHz</td><td>SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE</td><td>Avg Hold:</td><td>LIGN AUTO 100/100 Mkr 24 r 95</td><td>10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Sw 1 dBm</td><td>1: None vice: BTS 912 GHz 30 dBm</td><td>Center Freq 2.437000000 GHz 4.00000 MHz Auto Man</td></tr<> | Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error | vidth 17.125 | Cente Trig: F #Atter #Atter # TO kHz | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE | Avg Hold: | LIGN AUTO 100/100 Mkr 24 r 95 | 10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Sw 1 dBm | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| 20 RL Center Free 10 dB/div Log 10.0 .00 | Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error | vidth 17.125 | Cente Trig: F #Atter #Atter # TO kHz | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE | Avg Hold: | LIGN AUTO 100/100 Mkr 24 r 9§ -26. | 10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Spa Sw 1 dBm 9.00 % .00 dB | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| IO dB/div Center Free 10 dB/div 0 dB/div -0 dB/di | Ref 20.00 Ref 20.00 N Ref 20.00 37 GHz 130 kHz ied Bandv it Freq Error | vidth 17.125 | Cente Trig: F #Atter #Atter # MHZ 70 kHz 5 MHz | SENSE:INT r Freq: 2.43700 ree Run 1: 30 dB VBW 1.5 M Total P % of OE | IHz ower BW Powe | LIGN AUTO 100/100 Mkr 24 r 95 | 10:31:25 Radio Str Radio De 1 2.43 11.1 Spa Spa Sw 1 dBm 9.00 % .00 dB | 1: None vice: BTS 912 GHz 30 dBm | Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |



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| 0.00 | ter Freq |
|--|-----------------------------------|
| Ref Offset 19.79 dB Mkr1 2.46268 GHz 10 dB/div Ref 20.00 dBm 10.709 dBm 10.0 10.0 10.709 dBm 10.0 10.0 10.000 dBm 10.0 10.0 10.000 dBm 10.0 10.000 dBm 10.000 dBm 10.000 dBm 10.000 dBm 10.000 dBm </th <th>000 GHz</th> | 000 GHz |
| 10 dB/div Ref 20.00 dBm 10.709 dBm 10 dB/div Ref 20.00 dBm 10.709 dBm 10 dB/div Image: constraint of the second sec | 000 GHz |
| Log Interview | 000 GHz |
| 000 0 | 000 GHz |
| 100 1000 100 100 | |
| 300 Annow and a second sec | 'E Sten |
| 300 Annow and a second sec | 'E Sten |
| 40.0 | 'E Sten |
| -600 -000 | 'E Sten |
| Center 2.462 GHz #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth Total Power 23.7 dBm | 'E Sten |
| Center 2.462 GHz #Res BW 430 kHz #VBW 1.5 MHz Span 40 MHz Occupied Bandwidth Total Power 23.7 dBm | 'E Sten |
| #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth Total Power 23.7 dBm | `E Sten |
| Occupied Bandwidth Total Power 23.7 dBm | |
| Occupied Bandwidth Total Power 23.7 dBm | 000 MHz |
| | Man |
| Free | Offect |
| | 0 Hz |
| | |
| x dB Bandwidth 23.61 MHz x dB -26.00 dB | |
| | |
| | |
| MSG STATUS | |
| 11G_Ant1_2462 | |
| | |
| Center Freq: 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None Freque | ency |
| NFE Trig: Free Run Avg Hold: 100/100 #IFGain:Low #Atten: 30 dB Radio Device: BTS | |
| Ref Offset 19.79 dB Mkr1 2.4608 GHz | |
| 10 dB/div Ref 20.00 dBm 11.741 dBm | |
| | ter Freq |
| 0.00 2.462000 | 000 GHz |
| 100 | |
| -10.0 | |
| -30.0 where the second se | |
| -40.0 | |
| | |
| | |
| | |
| -60.0 | |
| -60.0 -70.0 Center 2.462 GHz Face Span 40 MHz Face Span 40 MHz | CF Step |
| 60.0 | CF Step 000 MHz Man |
| 600 | 000 MHz Man |
| 600 | 000 MHz Man q Offset |
| 600 | 000 MHz Man |
| 40.0 -0.0 | 000 MHz Man q Offset |
| 40.0 -70.0 | 000 MHz Man q Offset |
| 40.0 -70.0 | 000 MHz Man q Offset |
| 600 | 000 MHz Man q Offset |
| and | 000 MHz Man q Offset |



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| | RF 50 Ω | upied BW DC | | SENSE:INT | | IGN AUTO | | AM Aug 26, 2020 | |
|--|--|---|--------------------|--|--|---|--|--|--|
| Center F | req 2.41200 | | Cer Trig | ter Freq: 2.4120 : Free Run | 00000 GHz Avg Hold: 1 | 00/100 | Radio Std | I: None | Frequency |
| | | NFE #IFGai | | en: 30 dB | | | Radio De | vice: BTS | |
| | Ref Offset 1 | 19 79 dB | | | | Mkr | | 084 GHz | |
| 10 dB/div | Ref 20.00 | | | _ | | <u> </u> | 9.71 | 45 dBm | |
| Log 10.0 | | | | ♦ 1 | | | | | Center Freq |
| 0.00 | | and a | smiller been and | and the second | www.hulmune | r, | | | 2.412000000 GHz |
| -10.0 | | 1 Anna anna anna anna anna anna anna ann | | | | here. | | | 2.412000000 0112 |
| -20.0 | L coult | Martin | | | | " "hvulja | Willingh Locas | | |
| -30.0 | manulation | | | | | | , | tun Junhur yan | |
| -40.0 | M/W 1 | | | | | | | | |
| -50.0 | | | | | | | | | |
| -60.0 | | | | | | | | | |
| -70.0 | | | | | | | | | |
| | | | | | | | | | |
| | 2.412 GHz / 430 kHz | | | #VBW 1.5 M | 147 | | | an 40 MHz eep 1 ms | CF Step |
| WILCS DW | r +30 kΠ2 | | | #VOV 1.3 N | rn 12 | | SW | eep inis | 4.000000 MHz Auto Man |
| Occu | pied Band | width | | Total F | Power | 23.1 | dBm | | Man |
| | | | 4 MHz | | | | | | Eron Offer |
| l _ | | | | o/ | | | 00.01 | | Freq Offset |
| | mit Freq Erro | | 85.74 kHz | | BW Power | | .00 % | | 5112 |
| x dB E | Bandwidth | 2 | 5.30 MHz | x dB | | -26.0 | 00 dB | | |
| MSG | | | | | | STATUS | | | |
| | | | 111 | 20MIMO | _Ant1_24 | | | | |
| | pectrum Analyzer - Occu | | 111 | | | 12 | | M Aug 26, 2020 | |
| Keysight Sp | cectrum Analyzer - Οccu RF 50 Ω Freq 2.412000 | DC | Cer | SENSE:INT | 00000 GHz | 12 IGN AUTO | | M Aug 26, 2020 I: None | Frequency |
| Keysight Sp | RF 50 Ω Freq 2.41200 | DC | Cer | SENSE:INT | AL | 12 IGN AUTO | 10:56:53 / | i: None | |
| Keysight Sp | RF 50 Ω Freq 2.412000 | DC 0000 GHz NFE #IFGai | Cer | SENSE:INT ter Freq: 2.4120 : Free Run | 00000 GHz | 12 IGN AUTO | 10:56:53 A Radio Std Radio Dev 1 2.41 | l: None vice: BTS <mark>336 GHZ</mark> | |
| Keysight Sp M RL Center F | RF 50 Ω Freq 2.41200 | DC 0000 GHz NFE #IFGai 19.79 dB | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 | 10:56:53 A Radio Std Radio Dev 1 2.41 | l: None vice: BTS | |
| Keysight Sj X RL Center F | RF 50 Ω Freq 2.412000 | DC 0000 GHz NFE #IFGai 19.79 dB | Cer | SENSE:INT ter Freq: 2.4120 : Free Run | 00000 GHz | 12 IGN AUTO 100/100 | 10:56:53 A Radio Std Radio Dev 1 2.41 | l: None vice: BTS <mark>336 GHZ</mark> | Frequency |
| Keysight Sr X RL Center F 10 dB/div Log | RF 50 Ω Freq 2.412000 | DC 0000 GHz NFE #IFGai 19.79 dB | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 | 10:56:53 A Radio Std Radio Dev 1 2.41 | l: None vice: BTS <mark>336 GHZ</mark> | |
| 10 dB/div | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| 10 dB/div | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| 10 dB/div | RF 50 Ω Freq 2.412000 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.41 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| 10 dB/div | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| 10 dB/div Log 10.00 -10.0 -30.0 avyrds | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| Image: New York Stress Image: NewYork Stress Image: NewYorkStress <td>RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00</td> <td>DC 0000 GHz #IFGai 19.79 dB 0 dBm</td> <td>Cer </td> <td>SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB</td> <td>00000 GHz</td> <td>12 IGN AUTO 100/100 Mkr</td> <td>10:56:53 A Radio Std Radio Dev 1 2.413 10.2</td> <td>i: None vice: BTS 336 GHz 30 dBm</td> <td>Frequency Center Freq</td> | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| Keysight Sg X RL Center F 10.0 | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 A Radio Std Radio Dev 1 2.413 10.2 | i: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -10.0 -10.0 -20.0 -40.0 -50.0 -70.0 | RF 50 Ω Freq 2.412000 1 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | 00000 GHz | 12 IGN AUTO 100/100 Mkr | 10:56:53 / Radio Sto Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.412000000 GHz |
| Image: Second | RF 50 2 Treq 2.412000 Ref Offset 1 Ref 20.00 | DC 0000 GHz #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 I: Free Run ten: 30 dB | | 12 IGN AUTO 100/100 Mkr | 10:56:53 / Radio Sto Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHz 30 dBm | Frequency Center Freq 2.41200000 GHz CF Step 4.00000 MHz |
| Keysight Sj Dil RL Center F Log 10.0 .00 <td>RF 50 Q Freq 2.412000 N Ref Offset Ref 20.00 Automatication N Ref 20.00 N Quarter of the set of t</td> <td>DC 0000 GHz WFE #IFGai 19.79 dB 0 dBm </td> <td>Cer </td> <td>SENSE:INT ter Freq: 2.4120 : Free Run ien: 30 dB 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4</td> <td>Auguno GHz Avg Hold: 1</td> <td></td> <td>ان:56:53 Radio Std Radio Der 1 2.411 10.2</td> <td>I: None vice: BTS 336 GHZ 30 dBm</td> <td>Frequency Center Freq 2.412000000 GHz</td> | RF 50 Q Freq 2.412000 N Ref Offset Ref 20.00 Automatication N Ref 20.00 N Quarter of the set of t | DC 0000 GHz WFE #IFGai 19.79 dB 0 dBm | Cer | SENSE:INT ter Freq: 2.4120 : Free Run ien: 30 dB 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 | Auguno GHz Avg Hold: 1 | | ان:56:53 Radio Std Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.412000000 GHz |
| 10 dB/div Center F 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10. | RF 50 Q Freq 2.412000 Ref Offset 1 Ref 20.00 Address Address Addre | DC 0000 GHz WFE #IFGai 19.79 dB 0 dBm width | | SENSE:INT ter Freq: 2.4120 :: Free Run :: an: 30 dB | Auguno GHz Avg Hold: 1 | | 10:56:53 / Radio Sto Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.412000000 GHz 4.00000 MHz Auto Man |
| 10 dB/div Center F 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10. | RF 50 Q Freq 2.412000 N Ref Offset Ref 20.00 Automatication N Ref 20.00 N Quarter of the set of t | DC 0000 GHz WFE #IFGai 19.79 dB 0 dBm width | Cer | SENSE:INT ter Freq: 2.4120 : Free Run ien: 30 dB 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 | Auguno GHz Avg Hold: 1 | | ان:56:53 Radio Std Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |
| Keysight Sp QM RL Center F 10 dB/div Log - 10.0 - -10.0 - -20.0 - -30.0 - -60.0 - -70.0 - Center 1 - #Res BW Occu | RF 50 Q Freq 2.412000 N Ref Offset Ref 20.00 Automatication N Ref 20.00 N Quarter of the set of t | DOCU GHZ 00000 GHZ #FE #IFGai 19.79 dB 0 dBm | | SENSE:INT ter Freq: 2.4120 I: Free Run i: n: 30 dB | Auguno GHz Avg Hold: 1 | 12 IGN AUTO IOO/100 Mkr 23.4 | ان:56:53 Radio Std Radio Der 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.412000000 GHz 4.00000 MHz Auto Man |
| | RF 50 Q Freq 2.412000 N Ref Offset 1 Ref 20.00 Automatic State N Quarter State | DOCIO GHZ UFE #IFGai 19.79 dB 0 dBm width 18.06 or 10 | 2 MHz | SENSE:INT ter Freq: 2.4120 I: Free Run i: n: 30 dB | Avg Hold: 1 Avg Ho | 12 IGN AUTO IOO/100 Mkr 23.4 999 | In:56:53 / Radio Sto Radio Der 1 2.411 10.2 Marketer Spa Swa dBm | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |
| IO dB/div 10 dB/div Log 10.0 10.0 0.00 10.0 0.00 -20.0 -20.0 -30.0 9994 -60.0 -20.0 -60.0 -20.0 -70.0 -20.0 -70.0 -20.0 | RF 502 Freq 2.412000 Ref Offset 1 Ref 20.00 Address 1 Ref 20. | DOCIO GHZ UFE #IFGai 19.79 dB 0 dBm width 18.06 or 10 | 2 MHz 02.55 kHz | SENSE:INT ter Freq: 2.4120 :: Free Run :en: 30 dB #VBW 1.5 N Total F % of O | Avg Hold: 1 Avg Ho | 12 IGN AUTO IOO/100 Mkr 23.4 999 | 10:56:53 / Radio Sto Radio Dev 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |
| | RF 502 Freq 2.412000 Ref Offset 1 Ref 20.00 Address 1 Ref 20. | DOCIO GHZ UFE #IFGai 19.79 dB 0 dBm width 18.06 or 10 | 2 MHz 02.55 kHz | SENSE:INT ter Freq: 2.4120 :: Free Run :en: 30 dB #VBW 1.5 N Total F % of O | Avg Hold: 1 Avg Ho | 12 IGN AUTO IOO/100 Mkr 23.4 999 | 10:56:53 / Radio Sto Radio Dev 1 2.411 10.2 | I: None vice: BTS 336 GHZ 30 dBm | Frequency Center Freq 2.41200000 GHz 4.00000 MHz Auto Man Freq Offset |



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| | n Analyzer - Occupied B\ RF 50 Ω DC | | SENSE:INT | AL | IGN AUTO | | M Aug 26, 2020 | Frequency |
|---|---|---|--|------------------------------|---|---|---|--|
| Center Freq | 2.437000000 |) GHz | Center Freq: 2.4 Trig: Free Run | I37000000 GHz Avg Hold: 1 | 100/100 | Radio Sto | | requency |
| | | #IFGain:Low | #Atten: 30 dB | | | Radio De | vice: BTS | |
| | Ref Offset 19.79 | | | | Mkr | | 312 GHz | |
| 10 dB/div Log | Ref 20.00 dBr | n | N 1 | | | 9.81 | 72 dBm | |
| 10.0 | | Renaular Marchart | hour water he have a | www.m.m.h.m.h.m. | | | | Center Freq |
| 0.00 | | 1 | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | 2.437000000 GHz |
| -10.0 | and the weld with | <u>,</u> | | | hyperger | <i>.</i> | | |
| -20.0 | and the second | | | | | Mr. Jan | an walking at | |
| -30.0 | | | | | | | a white | |
| -40.0 | | | | | | | | |
| -50.0 | | | | | | | | |
| -60.0 | | | | | | | | |
| | | | | | | | | |
| Center 2.437 | | | | 6 MALI- | | | n 40 MHz | CF Step |
| #Res BW 43 | U KHZ | | #VBW 1 | .ə MIMZ | | SW | eep 1ms | 4.000000 MHz |
| Occupie | d Bandwidt | th | Tota | al Power | 23.0 |) dBm | | <u>Auto</u> Man |
| - | | 8.495 MH | 17 | | | | | Eron Offer |
| T | | | | | | 00.04 | | Freq Offset |
| | Freq Error | -144.70 | | f OBW Power | | .00 % | | 5112 |
| x dB Band | dwidth | 28.17 M | IHz xdE | 3 | -26. | 00 dB | | |
| | | | 11N20MIM | O_Ant1_24 | status 37 | | | |
| | n Analyzer - Occupied B | W | | | 37 | | M Aug 26, 2020 | |
| LXIRL F | Term 50 Ω DC |) GHz | SENSE:INT | AI | 37 Ign auto | | PM Aug 26, 2020 I: None | Frequency |
| LX/RL F | RF 50 Ω DC | | SENSE:INT | AI | 37 Ign auto | 12:35:39 | I: None | |
| Center Freq | ₹ <u>50 Ω DC</u> 2.437000000 NFE Ref Offset 19.79 |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:39 Radio Sto Radio De 1 2.43 | l: None vice: BTS 636 GHZ | |
| 10 dB/div | 8F 50 Ω DC 2.437000000 NFE |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:39 Radio Sto Radio De 1 2.43 | l: None vice: BTS | |
| Center Freq | ₹ <u>50 Ω DC</u> 2.437000000 NFE Ref Offset 19.79 |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:39 Radio Sto Radio De 1 2.43 | l: None vice: BTS 636 GHZ | |
| 10 dB/div | ₹ <u>50 Ω DC</u> 2.437000000 NFE Ref Offset 19.79 |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:39 Radio Sto Radio De 1 2.43 | l: None vice: BTS 636 GHZ | Frequency |
| XI F Center Freq 10 dB/div Log 10.0 0.00 -10.0 | ₹F 50 Ω DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Sto Radio De 1 2.430 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| XX RL F Center Freq | ₹F 50 Ω DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:39 Radio Sto Radio De 1 2.43 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| M RL F Center Freq | ₹ <u>50 Ω DC</u> 2.437000000 NFE Ref Offset 19.79 |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Sto Radio De 1 2.430 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| XI F Center Freq 10 dB/div Log 10.0 .000 .10.0 .20.0 | ₹F 50 Ω DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Sto Radio De 1 2.430 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| M RL F Center Freq | ₹F 50 Ω DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Sto Radio De 1 2.430 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| M RL F Center Freq | ₹F 50 Ω DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Sto Radio De 1 2.430 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq |
| XX RL F Center Freq | F 50 R DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | AI | 37 .ign auto 100/100 | 12:35:391 Radio Ste Radio De 1 2.43(9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.437000000 GHz |
| M RL F Center Freq | F 50 R DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr Ref 20.00 dBr Image: Comparison of the second s |) GHz #IFGain:Low ↔ | SENSE:INT Center Freq: 2.4 Trig: Free Run | | 37 .ign auto 100/100 | 12:35:391 Radio Ste Radio De 1 2.43(9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.437000000 GHz |
| Id RL F Center Freq | F 50 R DC 2.437000000 NFE Ref Offset 19.79 Ref 20.00 dBr | dB m m | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | 5 MHz | 37 IGN AUTO 100/100 Mkr | 12:35:391 Radio Stc Radio De 1 2.43(9.88 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.437000000 GHz |
| X RL F Center Freq | F 50 R DC 2.4370000000 NFE Ref Offset 19.79 Ref 20.00 dBr | dB m n 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | | 37 IGN AUTO 100/100 Mkr | 12:35:391 Radio Ste Radio De 1 2.43(9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| M RL F Center Freq | F 50 R DC 2.4370000000 NFE Ref Offset 19.79 Ref 20.00 dBr | dB m m | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | 5 MHz | 37 IGN AUTO 100/100 Mkr | 12:35:391 Radio Stc Radio De 1 2.43(9.88 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.43700000 GHz 4.00000 MHz Auto Man Freq Offset |
| M RL F Center Freq | F 50 R DC 2.4370000000 NFE Ref Offset 19.79 Ref 20.00 dBr | dB m n 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | 5 MHz | 37 IGN AUTO 100/100 Mkr 23.0 | 12:35:391 Radio Stc Radio De 1 2.43(9.88 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.437000000 GHz 4.00000 MHz Auto Man |
| M RL F Center Freq | Fe 50 R DC 2.437000000 NFE Ref 0ffset 19.79 Ref 20.00 dBr Ref 20.00 dBr Image: Comparison of the second | dB m dB m dB m dB m dB m dB dC dC dC dC dC dC dC dC dC dC dC dC dC | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | Avg Hold: 1 | 37 IGN AUTO 100/100 Mkr 23.0 7 99 | 12:35:39 Radio Ste Radio De 1 2.431 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.43700000 GHz 4.00000 MHz Auto Man Freq Offset |
| Image: Center Freq 10 dB/div Log 10.0 10.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.437 #Res BW 43 Occupie Transmit | Fe 50 R DC 2.437000000 NFE Ref 0ffset 19.79 Ref 20.00 dBr Ref 20.00 dBr Image: Comparison of the second | dB n h b b b b b b b b b b b b b b b b b b | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | Avg Hold: 1 | 37 IGN AUTO 100/100 Mkr 23.0 7 99 | 12:35:39 Radio Ste Radio De 1 2.431 9.88 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.43700000 GHz 4.00000 MHz Auto Man Freq Offset |
| M RL F Center Freq Image: Center Freq Image: Center Freq 10.0 Image: Center Freq Image: Center Freq 10.0 Image: Center Freq Image: Center Freq 40.0 Image: Center Freq Image: Center Freq 50.0 Image: Center Freq Image: Center Freq Center 2.437 #Res BW 43 Image: Center Freq Occupie Transmit Image: Center Freq | Fe 50 R DC 2.437000000 NFE Ref 0ffset 19.79 Ref 20.00 dBr Ref 20.00 dBr Image: Comparison of the second | dB n h b b b b b b b b b b b b b b b b b b | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | Avg Hold: 1 | 37 IGN AUTO 100/100 Mkr 23.0 7 99 | 12:35:39 Radio Ste Radio De 1 2.431 9.88 9.88 9.88 9.88 9.88 9.88 9.88 9.8 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.43700000 GHz 4.00000 MHz Auto Man Freq Offset |
| M RL F Center Freq Image: Center Freq Image: Center Freq 10.0 Image: Center Freq Image: Center Freq 10.0 Image: Center Freq Image: Center Freq 40.0 Image: Center Freq Image: Center Freq 50.0 Image: Center Freq Image: Center Freq Center 2.437 #Res BW 43 Image: Center Freq Occupie Transmit Image: Center Freq | Fe 50 R DC 2.437000000 NFE Ref 0ffset 19.79 Ref 20.00 dBr Ref 20.00 dBr Image: Comparison of the second | dB n h b b b b b b b b b b b b b b b b b b | SENSE:INT Center Freq: 2.4 Trig: Free Run #Atten: 30 dB | Avg Hold: 1 | 37 IGN AUTO 100/100 Mkr 23.0 7 99 | 12:35:391 Radio Ste Radio De 1 2:433 9.88 9.88 9.88 9.88 9.00 9.00 9.00 9.00 | I: None vice: BTS 336 GHz 43 dBm | Frequency Center Freq 2.43700000 GHz 4.00000 MHz Auto Man Freq Offset |



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| Center Freq 2.462000000000 GHz Evaluation Prequency Prequency Note of the state of the sta | Keysight : K | Spectrum Analyzer - Oo RF 50 Ω | | | | SENSE:INT | | LIGN AUTO | 12:43:45 F | M Aug 26, 2020 | | |
|--|--|---------------------------------------|-------------------------------------|------------------|---|--|-----------------------|-----------------------------------|---|---|--|----------|
| arcancov Atten: 30 dB Radio Device 18 75 10 dBddv Ref 20.00 dBm MKr1 2.460 GHz 10 dBdv Ref 20.00 dBm Center Freq 2.45200000 GHz #VBW 1.5 MHz Span 40 MHz Cocupied Bandwidth Total Power 19.8 dBm 17.929 MHz Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB Frequency Ref 242000000 GHz Center Freq 246200000 GHz Center Freq 246200000 GHz Center Freq 10 dBddv Ref 24000000 GHz Center Freq 246200000 GHz Center Freq 246200000 GHz Center Freq 10 dBddv Ref 20.00 dBm Frequency Radio Sid Max Center Freq 2462000000 GHz Center Freq | | | 00000 | | Center | Freq: 2.46200 | 00000 GHz | | | | Frequency | |
| Bef Offset 19:79 dB Ref 20:00 dBm Mkr1 2.4608 GHz 7.2445 dBm 100 7.2445 dBm 100 7.2452 GHz #Kee BW 430 kHz #VBW 1.5 MHz Span 40 MHz CFF Step Auto Man 17.929 MHz Transmit Freq Error -31.038 kHz Ye of OEW Power 99.00 % x dB Bandwidth 22.81 MHz x dB 11N20MIMO_Ant1_2420 Entroper 19.8 dBm Mate Frequency Ref 076et 19.70 Center Freq 2.48200000 GHz 100 dBddt Ref 076et 19.70 100 dBddt Ref 0.000 GHz | |] | NFE | | #Atten: | 30 dB | Avginoid: | 100/100 | Radio Dev | /ice: BTS | | |
| To define 7.2445 dBm Image: Section of the sec | | - | | | | | | M | (r1 2.46 | 508 GH7 | | |
| Log Center Freq 2.4620000 GHz Center 2.462 GHz #Kes BW 430 KHz Coccupied Bandwidth 17.929 MHz Transmit Freq Error x dB Bandwidth 22.81 MHz WE Center Freq 2.4620000 GHz Center Freq 2.462 GHZ Mar 12.4606 GHZ Center Freq 2.462 GHZ Mar 12.4606 GHZ Center Freq 2.462 OHZ Mar 12.4600 GHZ Center Freq 2.4600 GHZ Center Fr | 10 dB/div | | | 3 | | | | | | | | |
| Center 2.462 GHz Freq OrBet Concupied Bandwidth Total Power 19.8 dBm Freq OrBet CF Step 4.000000 GHz CF Step 4.00000 GHz CF Step 4.0000 GHz CF Step 4.0000 GHz CF Step 4.00000 GHz CF Step 4.0 | Log | | | | | 1 | | | | | | |
| 100 1 | | | | | mangana | - manuna | Autor to an | | | | | |
| Center 2.462 CHz Res BW 430 kHz Transmit Freq Error 2.462 CHz Ref Bandwidth T7.929 MHz Transmit Preq Error Table Bandwidth T7.929 MHz Transmit Preq Error T1N20MIMO_Ant1_2462 Transmit Preq Could Bandwidth T1N20MIMO_Ant1_2462 Transmit Preq Could Bandwidth T1N20MIMO_Ant1_2462 Transmit Preq Could Bandwidth T1N20MIMO_Ant1_2462 Transmit Preq Could Bandwidth T.4853 GBm T.4853 | 0.00 | | | 1 | | | and the second second | 1 | | | 2.462000000 GHz | |
| and any and any and any and any and any and any | -10.0 | | | | | | | - New - | | | | |
| Center 2.462 GHz Ref Orfset 19.8 dBm 17.929 MHz Transmit Freq Error 0 dBddv 18 dBm 17.929 MHz 15 MHz 1 | -20.0 | | Carlor and | | | | | whether | Mar | | | |
| And And And And And And And And And And Center 2.462 GHz #Res BW 430 kHz #VBW 1.5 MHz Span 40 MHz Sweep 1 ms And And Cccupied Bandwidth 17.929 MHz Total Power 19.8 dBm Freq Offset OHz Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % Freq Offset x dB Bandwidth 22.81 MHz x dB -26.00 dB Freq Offset Max Max Max Max Freq Offset OHz Max Max Max Max Freq Offset OHz Max Max Max Max Freq Offset OHz Max Max Max Max OHz OHz OHz Max Max Max Max OHz | -30.0 | and water | | | | | | | - an Why have | - Walnut M | | |
| Center 2.462 GHz Ref 2443 kHz Transmit Freq Error x dB Bandwidth 22.81 MHz State Center 19.8 dBm 17.929 MHz Transmit Freq Error Auto Mate Mare CF Step 4.00000 MHz State Center Freq 2.462 0000 Methods State St | -40.0 | pur : | | | | | | | | - Climitian DY | | |
| Center Freq Error - 31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB - 26.00 dB - 7.4853 dBm Preq Offset 19.79 dB - 26.00 dB - 7.4853 dBm Center Freq 2.46200000 GHz Center CEN | -50.0 | | | | | | | | | | | |
| Center 2.462 GHz #Res BW 430 kHz #VBW 1.5 MHz Spen 40 MHz Occupied Bandwidth Total Power 19.8 dBm 17.929 MHz Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB Mode Spectrum Analyzer - Occupied BW Ret Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Transmit Freq Error - 20.493 kHz % of OBW Power 99.00 % x dB Bandwidth 23.11 MHz x dB -26.00 dB Ret Spectrum - Spectrum - Councer Spectrum - | -60.0 | | | | | | | | | | | |
| #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth 17.929 MHz Total Power 19.8 dBm Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB strue Ret BY 500 OCCUPIED Set Control of the strue of th | -70.0 | | | | | | | | | | | |
| #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth 17.929 MHz Total Power 19.8 dBm Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB strue Ret BY 500 OCCUPIED Set Control of the strue of th | | 0.100.51 | | | | | | | | | | |
| Occupied Bandwidth Total Power 19.8 dBm 17.929 MHz Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB Freq Offset 0 dB/div 22.81 MHz x dB -26.00 dB Freq Offset 0 dB/div 90.0 00 Center Freq: 2.4620000 GHz Radio Std: None 0 dB/div 800.000 GHz Center Freq: 2.462000 GHz Radio Std: None 0 dB/div Ref Offset 13.79 dB Mkr1 2.4606 GHz Frequency 0 dB/div Ref Offset 13.79 dB Mkr1 2.4606 GHz Center Freq 0 dB/div Ref Offset 13.79 dB Mkr1 2.4606 GHz 7.4853 dBm 0 dB/div Ref Offset 13.79 dB Mkr1 2.4606 GHz 7.4853 dBm 0 dB/div Ref Offset 13.79 dB Mkr1 2.4600 GHz Span 40 MHz 0 dB/div Ref Offset 13.79 dB Mkr1 2.4600 GHz Span 40 MHz 0 dB/div Ref Offset 13.79 dB Mkr1 2.4600 GHz Man 0 dB/div Ref Offset 13.79 dB Mkr1 2.4600 GHz Man 0 dB/div Ref Offset 13.79 dB Mkr1 2.4600 GHz Man 0 dB/div Ref Offset 13.79 dB Man Sweep 1 ms 0 dCoupled Bandwidth 12.11 MHz X dB | | | | | -443 | | 10-7 | | | | | |
| Occupied Bandwidth Total Power 19.8 dBm 17.929 MHz Freq Offset Transmit Freq Error -31.038 kHz % of OBW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB status status status freq Offset Met IN20MIMO_Ant1_2462 status status status Met Status status status status status Met Status Status status status status status Occupied Bandwidth Center Freq 24.62000000 GHz Center Freq 24.62000000 GHz Frequency Ref Offset 19.79 dB Mkr1 2.4606 GHz Center Freq 24.62000000 GHz Center Freq 24.62000000 GHz Center Freq Cocupied Bandwidth Total Power 20.1 dBm Span 40 Mitz Met 4.000000 MHz Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % x dB Bandwidth 23.11 MHz x dB -26.00 dB | #Res Bl | V 430 KMZ | | | #\ | GWV 1.3 I¥ | 1612 | | SW | eep 1ms | | |
| IT.929 MHz Freq Offset Transmit Freq Error -31.038 kHz % of OEW Power 99.00 % x dB Bandwidth 22.81 MHz x dB Freq Offset 0 Hz INEC INTERCOLSPAN Freq Offset 0 Hz INTERCOLSPAN Freq Offset 0 Hz Freq Offset 0 Freq Offset Freq Offset Freq Offset Freq Offset 0 Freq Offset Freq Offset Freq Offset Freq Offset Freq Offset Freq Offset Center Freq 2.462000000 GHz Freq Offset Center Freq Span 40 MHz Center Freq <th cols<="" td=""><td>000</td><td>upied Band</td><td>width</td><td></td><td></td><td>Total P</td><td>ower</td><td>19.8</td><td>8 dBm</td><td></td><td>Auto Man</td></th> | <td>000</td> <td>upied Band</td> <td>width</td> <td></td> <td></td> <td>Total P</td> <td>ower</td> <td>19.8</td> <td>8 dBm</td> <td></td> <td>Auto Man</td> | 000 | upied Band | width | | | Total P | ower | 19.8 | 8 dBm | | Auto Man |
| Transmit Freq Error -31.038 kHz % of OEW Power 99.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB | | apres Barre | | | | | | | | | | |
| Transmit Freq Error -20.03 kHz % of OBW Power 39.00 % x dB Bandwidth 22.81 MHz x dB -26.00 dB INTER Ref Offset 19.79 dB Mkr 2.4600000 GHz Center Freq 2.462000000 GHz Ref offset 19.79 dB Mkr 2.4606 GHz Center Freq 2.46200000 GHz O Coupled Bandwidth Total Power Span 40 MHz Sweep 1 ms O Coupled Bandwidth Total Power O D OC XVEW 1.5 MHz Span 40 MHz Main Low Total Power Freq Offset 19. | | | 17. | 323 IV | | | | | | | | |
| Also Introduction dataget - Occupied BW Introduction dataget - Occupied BW Status Ref Status Ref Introduction dataget - Occupied BW Status Ref Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth Introduction dataget - Occupied Bandwidth | Trans | smit Freq Er | ror | -31.038 | kHz | % of O | BW Powe | r 99 | 9.00 % | | 0 Hz | |
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| 11N20MIMO_Ant1_2462 Keysight Spectrum Analyzer-Occupied BW ALION AUTO 12:49:14 PM Aug 26, 2020 Ref Offset 19:79 dB Center Freq: 2:46200000 GHz Frequency MKET 2:46200000 GHz Frequency MKET 12:49:14 PM Aug 26, 2020 Ref Offset 19:79 dB MKr1 2:4606 GHz OC Center Freq: 2:46200000 GHz Center Freq: 2:46200000 GHz MKr1 2:4606 GHz Center Freq: 2:46200000 GHz 0 MKr1 2:4606 GHz 0 MKr1 2:4606 GHz 0 Center Freq: 2:46200000 GHz 0 MKr1 2:4606 GHz 0 MKr1 2:4606 GHz 0 Center Freq: 2:462 GHz Transmit Freq Error -20.493 KHz % of OBW Power 99.00 % x dB Bandwidth 23.11 MHz x dB -26.00 dB | | | | | | | | | | | | |
| Rt Image: System in the system i | | | | | | | | | s | | | |
| Center Freq 2.46200000 GHz Radio Std: None NFE Center Freq: 2.46200000 GHz Radio Std: None NFE Prequency Mikr1 2.4606 GHz Offset 19.79 dB Mikr1 2.4606 GHz Ref Offset 19.79 dB Mikr1 2.4606 GHz Ref Offset 19.79 dB Center Freq: 2.46200000 GHz October 2.462 00 dBm Center Freq: 2.462 00000 GHz October 2.462 GHz Span 40 MHz WBW 1.5 MHz Span 40 MHz Occupied Bandwidth Total Power 20.1 dBm Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % x dB Bandwidth 23.11 MHz x dB Status | | | | | 11N2 | omimo_ | Ant1_24 | | s | | | |
| Image: Milling Ref 20.00 dBm Ref Offset 19.79 dB Mikr1 2.4606 GHz 10 dB/div Ref 20.00 dBm 7.4853 dBm 10 dB/div Image: Ref 20.00 dBm 7.4853 dBm 10 dB/div Image: Ref 20.00 dBm 1mage: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div Image: Ref 20.00 dBm Image: Ref 20.00 dBm 10 dB/div | | | | | | | | 62 | | M Aug 26, 2020 | | |
| Ref Offset 19.79 dB Mkr1 2.4606 GHz 10 dB/div Ref 20.00 dBm 10 dB/div Ref 20. | K RL | RF 50 Ω | DC 00000 | GHz | Center | ENSE:INT | A 00000 GHz | 62 | 12:49:14 F | | | |
| Center Freq Center Freq 200< | K RL | RF 50 Ω | DC 00000 (| + | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | 62 | 12:49:14 F Radio Std | : None | | |
| 100 1 | K RL | RF 50 Ω Freq 2.46200 | DC 000000 NFE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev Kr1 2.46 | : None vice: BTS 806 GHZ | | |
| 00 00 <td< td=""><td>20 RL Center</td><td>RF 50 Ω Freq 2.46200</td><td>DC D00000 (NFE t 19.79 dE</td><td>⊶ #IFGain:Low</td><td>Center</td><td>SENSE:INT Freq: 2.46200 ree Run</td><td>A 00000 GHz</td><td>.62 LIGN AUTO 100/100</td><td>12:49:14 F Radio Std Radio Dev Kr1 2.46</td><td>: None vice: BTS 806 GHZ</td><td></td></td<> | 20 RL Center | RF 50 Ω Freq 2.46200 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev Kr1 2.46 | : None vice: BTS 806 GHZ | | |
| 100 1 | 10 dB/div | RF 50 Ω Freq 2.46200 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev Kr1 2.46 | : None vice: BTS 806 GHZ | Frequency | |
| 200 4 | 10 dB/div | RF 50 Ω Freq 2.46200 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev Kr1 2.46 | : None vice: BTS 806 GHZ | Frequency Center Freq | |
| 300 4 | 10 dB/div Log 0.00 | RF 50 Ω Freq 2.46200 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev Kr1 2.46 | : None vice: BTS 806 GHZ | Frequency Center Freq | |
| 400 4 | 10 dB/div Log 10.00 | Ref Offse Ref 2.46200 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | i: None vice: BTS 506 GHz 53 dBm | Frequency Center Freq | |
| 400 Man 400 Man 400 Man 400 Man 400 Man 400 Man 4000 Man 400 400 400 400 400 400 400 400 | 20 RL Center 10 dB/div Log 10.0 -10.0 -20.0 | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 306 GHz 53 dBm | Frequency Center Freq | |
| 4600 1 | M RL 10 dB/div Log | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 306 GHz 53 dBm | Frequency Center Freq | |
| 7.70 Image: Constraint of the second state of the second sta | 20 RL Center 10 dB/div Log 10.0 -10.0 -20.0 -30.0 Juner | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 606 GHz 53 dBm | Frequency Center Freq | |
| Center 2.462 GHz #Res BW 430 kHz #VBW 1.5 MHz Span 40 MHz Sweep 1 ms CF Step 4.000000 MHz Auto Occupied Bandwidth 17.900 MHz Total Power 20.1 dBm Freq Offset 0 Hz Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % 0 Hz x dB Bandwidth 23.11 MHz x dB -26.00 dB 0 Hz | Image: Center RL Center 10 dB/div Log | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 606 GHz 53 dBm | Frequency Center Freq | |
| #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth Total Power 20.1 dBm 17.900 MHz Transmit Freq Error -20.493 kHz X dB Bandwidth 23.11 MHz X dB -26.00 dB status | 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 606 GHz 53 dBm | Frequency Center Freq | |
| #Res BW 430 kHz #VBW 1.5 MHz Sweep 1 ms Occupied Bandwidth Total Power 20.1 dBm 17.900 MHz Transmit Freq Error -20.493 kHz X dB Bandwidth 23.11 MHz X dB -26.00 dB status | 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 | Ref Offset Ref Offset | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center | SENSE:INT Freq: 2.46200 ree Run | A 00000 GHz | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 606 GHz 53 dBm | Frequency Center Freq | |
| Occupied Bandwidth Total Power 20.1 dBm 17.900 MHz Freq Offset Transmit Freq Error -20.493 kHz % of OBW Power x dB Bandwidth 23.11 MHz x dB ABG STATUS | 22 RL Center 10.0 dB/div Log 10.0 | Ref Offset Ref 2.46201 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center Trig: Fi #Atten: | SENSE:INT | Avg Hold: | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.4(7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz | |
| IT.900 MHz Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % 0 Hz x dB Bandwidth 23.11 MHz x dB -26.00 dB 0 Hz | 22 RL Center 10.0 dB/div Log 10.0 | Ref Offset Ref 2.46201 | DC D00000 (NFE t 19.79 dE | ⊶ #IFGain:Low | Center Trig: Fi #Atten: | SENSE:INT | Avg Hold: | .62 LIGN AUTO 100/100 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz | |
| Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % 0 Hz x dB Bandwidth 23.11 MHz x dB -26.00 dB 0 Hz MSG status status 50 Hz 50 Hz | M RL Center 10 dB/div 10 log 10 | Ref Offse Ref Offse Ref 2.46201 | PE 19.79 dE 19.79 dE 0 dBm | #IFGain:Low | Center Trig: Fi #Atten: | SENSE:INT Freq: 2.4620(ree Run 30 dB | Avg Hold: | 62 | 12:49:14 F Radio Std Radio Dev (r1 2:44 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz CF Step 4.00000 MHz | |
| Transmit Freq Error -20.493 kHz % of OBW Power 99.00 % 0 Hz x dB Bandwidth 23.11 MHz x dB -26.00 dB wsg status status | M RL Center 10 dB/div 10 log 10 | Ref Offse Ref Offse Ref 2.46201 | 2 DC 00000 (NFE 19.79 dB 00 dBm | #IFGain:Low | Center → Trig: Fi #Atten: | SENSE:INT Freq: 2.4620(ree Run 30 dB | Avg Hold: | 62 | 12:49:14 F Radio Std Radio Dev (r1 2:44 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz CF Step 4.00000 MHz | |
| x dB Bandwidth 23.11 MHz x dB -26.00 dB | M RL Center 10 dB/div 10 log 10 | Ref Offse Ref Offse Ref 2.46201 | 2 DC 00000 (NFE 19.79 dB 00 dBm | #IFGain:Low | Center → Trig: Fi #Atten: | SENSE:INT Freq: 2.4620(ree Run 30 dB | Avg Hold: | 62 | 12:49:14 F Radio Std Radio Dev (r1 2:44 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man | |
| MSG STATUS | 22 RL Center 10 dB/div Log 10.0 .0.000 .0.000 .0.000 .0.000 .0. | Ref Offset Ref 2.46201 | iwidth 17. | #IFGain:Low 3 | Center Trig: Fi #Atten: | SENSE:INT Freq: 2.46200 ree Run 30 dB | Avg Hold: | 62 | I 12:49:14 F Radio Std Radio Dev r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man Freq Offset | |
| | 22 RL Center 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center #Res B\ Occu | Ref Offse Ref 2.46201 | iwidth 17. | #IFGain:Low | Center Trig: Fi #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: | SENSE:INT Freq: 2.46200 ree Run 30 dB //////////////////////////////////// | Avg Hold: | 62 100/100 Mł 20 r 95 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man Freq Offset | |
| | 22 RL Center 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center #Res B\ Occu | Ref Offse Ref 2.46201 | iwidth 17. | #IFGain:Low | Center Trig: Fi #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: | SENSE:INT Freq: 2.46200 ree Run 30 dB //////////////////////////////////// | Avg Hold: | 62 100/100 Mł 20 r 95 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man Freq Offset | |
| | 22 RL Center 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center #Res B\ Occu | Ref Offse Ref 2.46201 | iwidth 17. | #IFGain:Low | Center Trig: Fi #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: | SENSE:INT Freq: 2.46200 ree Run 30 dB //////////////////////////////////// | Avg Hold: | 62 100/100 Mł 20 r 95 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man Freq Offset | |
| | 22 RL Center 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center #Res B\ Occu | Ref Offse Ref 2.46201 | iwidth 17. | #IFGain:Low | Center Trig: Fi #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: #Atten: | SENSE:INT Freq: 2.46200 ree Run 30 dB //////////////////////////////////// | Avg Hold: | 62 | 12:49:14 F Radio Std Radio Dev (r1 2.46 7.48 | : None vice: BTS 506 GHz 53 dBm | Frequency Center Freq 2.46200000 GHz 4.00000 MHz Auto Man Freq Offset | |



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| 🗶 RL RF 50Ω DC | | SENSE:INT | ALI | GN AUTO | 12:54:30 | PM Aug 26, 2020 | Erequepey |
|--|--|--|---------------------------------|---|--|--|---|
| Center Freq 2.4220000 | | enter Freq: 2.422000 rig: Free Run | 000 GHz Avg Hold: 10 | 00/100 | Radio Sto | i: None | Frequency |
| NFE | | Atten: 30 dB | | | Radio De | vice: BTS | |
| Ref Offset 19.7 | 79 dB | | | Mkr | | 976 GHz | |
| 10 dB/div Ref 20.00 dE | Bm | | | • | 7.79 | 14 dBm | |
| 10.0 | | ¹ | | | | | Center Freq |
| 0.00 | merchannonomenal | many from the | without when the | Į | | | 2.422000000 GHz |
| -10.0 | -{ | | | <u>\</u> | | | |
| -20.0 | <u> </u> | | | h. | | | |
| -30.0 When maken with | · · · · · · · · · · · · · · · · · · · | | | No. | www.allalise | Necklansmal | |
| -40.0 | | | | | | | |
| -50.0 | | | | | | | |
| -60.0 | | | | | | | |
| -70.0 | | | | | | | |
| Center 2.422 GHz | | · · · · · | | | | an 80 MHz | CF Step |
| #Res BW 820 kHz | | #VBW 3 MHz | ! | | | eep 1ms | 8.000000 MHz |
| Occupied Bandwig | dth | Total Po | ower | 20.4 | dBm | | <u>Auto</u> Man |
| | 35.989 MHz | | | 20.4 | | | |
| | 22.989 IVI - 2 | - | | | | | Freq Offset |
| Transmit Freq Error | -43.172 kH | z % of OB | W Power | 99 | .00 % | | 0 Hz |
| x dB Bandwidth | 39.95 MH | z xdB | | -26. | 00 dB | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | | | | | L |
| | | | | STATUS | | | |
| | 1 | | Ant1 240 | | | | |
| Keysight Spectrum Anabase Occurried | | 1N40MIMO_/ | Ant1_242 | | > | | |
| Keysight Spectrum Analyzer - Occupied RL RF 50 Ω DC S | BW | SENSE:INT | ALI | | 01:02:07 | PM Aug 26, 2020 | Frequency |
| Keysight Spectrum Analyzer - Occupied RL RF 50 Ω DC Center Freq 2.42200000 FFE | a BW : 00 GHz 0 -→→ 1 | SENSE:INT Senter Freq: 2.422000 | ALI | 22 | 01:02:07 Radio Sto | i: None | Frequency |
| RL RF 50 Ω DC Center Freq 2.42200000 | a BW 2 00 GHz 0 1 | SENSE:INT | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De | l: None vice: BTS | |
| RL RF 50 Ω DC Center Freq 2.42200000 NFE NFE Ref Offset 19.7 Ref Offset 19.7 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS 632 GHZ | |
| RL RF 50 Ω DC Center Freq 2.42200000 NFE NFE | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS | |
| RL RF 50 Ω DC Center Freq 2.4220000 NFE NFE NFE Ref Offset 19.7 10 dB/div Ref 20.00 dB | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS 632 GHZ | Frequency Center Freq |
| M RF [50 Ω DC DC Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 Log 10.0 0.00 0 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS 632 GHZ | Frequency |
| RL RF 59 0.2 DC Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 Log 0.00 .000 0.00 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS 632 GHZ | Frequency Center Freq |
| M RF [50 Ω DC DC Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 Log 0.00 .00 0.00 .00 0.00 .00 0.00 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.41 | l: None vice: BTS 632 GHZ | Frequency Center Freq |
| Rt RF 59 02 DC Center Freq 2.42200000 NFE 0 Ref Offset 19.7 10 dB/div Ref 20.00 dE -0.00 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.411 7.56 | l: None vice: BTS 632 GHZ | Frequency Center Freq |
| Rt RF 50 02 DC Center Freq 2.42200000 NFE Ref Offset 19.7 Ref 200.00 dI Log 0.00 10.0 0.00 -20.0 0.00 -30.0 0.00 -40.0 0.00 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.411 7.56 | I: None vice: BTS 632 GHz 639 dBm | Frequency Center Freq |
| Rt RF 50 02 DC Center Freq 2.42200000 NFE NFE See 0 offset 19.7 Ref Offset 19.7 Ref 20.00 dH 10.0 0 0.00 0 -20.0 0 -30.0 0 -50.0 0 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.411 7.56 | I: None vice: BTS 632 GHz 639 dBm | Frequency Center Freq |
| Rt RF 50 02 DC Center Freq 2.42200000 NFE Ref Offset 19.7 Ref Offset 19.7 10 dB/div Ref 20.00 dB 0.00 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.411 7.56 | I: None vice: BTS 632 GHz 639 dBm | Frequency Center Freq |
| Rt RF 50 02 DC Center Freq 2.42200000 NFE NFE See 0 offset 19.7 Ref Offset 19.7 Ref 20.00 dH 10.0 0 0.00 0 -20.0 0 -30.0 0 -50.0 0 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI | 22 GN AUTO 00/100 | 01:02:07 Radio Sto Radio De 1 2.411 7.56 | I: None vice: BTS 632 GHz 639 dBm | Frequency Center Freq |
| RL RF 50 0 0 to C Center Freq 2.42200000 NFE Ref Offset 19.7 NFE 10 dB/div Ref 20.00 dB 10.0 000 0.00 000 -0.0 000 -30.0 000 -60.0 0 -60.0 0 -70.0 0 Center 2.422 GHz | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT ienter Freq: 2.422000 rig: Free Run Atten: 30 dB | ALI 000 GHz Avg Hold: 10 | 22 GN AUTO 00/100 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.422000000 GHz |
| Rt RF 50 0 0 C Center Freq 2.42200000 NFE 0 Ref Offset 19.7 10 B/div Ref 20.00 dt 10.0 | 18W 00 GHz C #IFGain:Low # 79 dB | SENSE:INT Senter Freq: 2.422000 | ALI 000 GHz Avg Hold: 10 | 22 GN AUTO 00/100 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 632 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz CF Step 8.00000 MHz |
| M RF 50 0.0 DOC Center Freq 2.42200000 NFE 0 Ref Offset 19.7 10 B/div Ref 20.00 dB 10.0 Ref 20.00 dB 10.0 Ref 20.00 dB 10.0 Ref 20.00 dB 10.0 Ref 20.00 dB 0.00 Ref 20.00 dB | 3 BW 00 GHz #IFGain:Low # 9 dB Bm | SENSE:INT ienter Freq: 2.422000 rig: Free Run Atten: 30 dB | ALI 1000 GHZ Avg Hold: 1(| GN AUTO 00/100 Mkr | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz |
| Ret FF 50 02 DC Center Freq 2.42200000 NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB | dth | SENSE:INT ienter Freq: 2.422000 rig: Free Run Atten: 30 dB 1 4tten: 30 dB 4tten: 4tten: | ALI 1000 GHZ Avg Hold: 1(| GN AUTO 00/100 Mkr | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man |
| Rel Ref 50 R oc Center Freq 2.42200000 NFE Ref Offset 19.7 Ref Offset 19.7 10 dB/div Ref 20.00 dB 10.0 0.00 | dth 36.043 MHz | SENSE:INT renter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Pc | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 | DI:02:07 Radio Str Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Ret FF 50 02 DC Center Freq 2.42200000 NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB | dth 36.043 MHz | SENSE:INT renter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Pc | ALI 1000 GHZ Avg Hold: 1(| 22 GN AUTO D00/100 Mkr 20.7 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man |
| Rel Ref 50 R oc Center Freq 2.42200000 NFE Ref Offset 19.7 Ref Offset 19.7 10 dB/div Ref 20.00 dB 10.0 0.00 | dth 36.043 MHz | sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz #VBW 3 MHz Total Pc z % of OB | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 99 | DI:02:07 Radio Str Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Rel PF 50 0 0 to C Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB 20 dB/div Ref 20.00 dB <td>dth 36.043 MHz -45.236 kHz</td> <td>sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB</td> <td>ALL 000 GHz Avg Hold: 10</td> <td>22 GN AUTO D00/100 Mkr 20.7 99</td> <td>01:02:07 Radio Ste Radio De 1 2.411 7.56</td> <td>I: None vice: BTS 332 GHz 39 dBm</td> <td>Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset</td> | dth 36.043 MHz -45.236 kHz | sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 99 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Rel PF 50 0 0 to C Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB 20 dB/div Ref 20.00 dB <td>dth 36.043 MHz -45.236 kHz</td> <td>sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB</td> <td>ALL 000 GHz Avg Hold: 10</td> <td>22 GN AUTO D00/100 Mkr 20.7 99</td> <td>01:02:07 Radio Ste Radio De 1 2.411 7.56</td> <td>I: None vice: BTS 332 GHz 39 dBm</td> <td>Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset</td> | dth 36.043 MHz -45.236 kHz | sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 99 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Rel PF 50 0 0 to C Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB 20 dB/div Ref 20.00 dB <td>dth 36.043 MHz -45.236 kHz</td> <td>sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB</td> <td>ALL 000 GHz Avg Hold: 10</td> <td>22 GN AUTO D00/100 Mkr 20.7 99</td> <td>01:02:07 Radio Ste Radio De 1 2.411 7.56</td> <td>I: None vice: BTS 332 GHz 39 dBm</td> <td>Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset</td> | dth 36.043 MHz -45.236 kHz | sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 99 | 01:02:07 Radio Ste Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Rel PF 50 0 0 to C Center Freq 2.42200000 NFE NFE NFE 10 dB/div Ref Offset 19.7 10 dB/div Ref 20.00 dB 20 dB/div Ref 20.00 dB <td>dth 36.043 MHz -45.236 kHz</td> <td>sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB</td> <td>ALL 000 GHz Avg Hold: 10</td> <td>22 GN AUTO D00/100 Mkr 20.7 99</td> <td>01:02:07 Radio Str Radio De 1 2.411 7.56 </td> <td>I: None vice: BTS 332 GHz 39 dBm</td> <td>Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset</td> | dth 36.043 MHz -45.236 kHz | sense:inti ienter Freq: 2.422000 rig: Free Run Atten: 30 dB #VBW 3 MHz Total Po z % of OB | ALL 000 GHz Avg Hold: 10 | 22 GN AUTO D00/100 Mkr 20.7 99 | 01:02:07 Radio Str Radio De 1 2.411 7.56 | I: None vice: BTS 332 GHz 39 dBm | Frequency Center Freq 2.42200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |



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| | RF 50 Ω | | | SENSE:INT | 7000000 011 | ALIGN AUTO | 01:13:40 | M Aug 26, 2020 | Frequency |
|--|---|---|--|---|---|---|---|---|--|
| Center Fre | | NFE | | Center Freq: 2.4 Trig: Free Run | 37000000 GHz Avg Hold | : 100/100 | Radio Sto | | . requirey |
| | | #IFG | ain:Low # | Atten: 30 dB | | | Radio De | | |
| | Ref Offset | 19.79 dB | | | | Ν | | 421 GHz | |
| 10 dB/div Log | Ref 20.0 | 0 dBm | 1 | | | _ _ | 7.00 | i00 dBm | |
| 10.0 | | | 1 Network/Mathematics | and a second | | | _ | | Center Free |
| 0.00 | | | | and house | Call Constraints and a second s | | | | 2.437000000 GHz |
| -10.0 | | <u> </u> | | | | <u> </u> | | | |
| -20.0 | | me | | | | h h | | | |
| -30.0 -40000000000000000000000000000000000 | Current and the second s | | | | | | And we we we wanted | Anthonerally | |
| -40.0 | | | | | | | | | |
| -50.0 | | | | | | | | | |
| -60.0 | | | | | | | | | |
| | | | | | | | | | |
| Center 2.43 | | | | | NALI- | | | an 80 MHz | CF Step |
| #Res BW 8 | 20 KHZ | | | #VBW 3 | WINZ | | SW | eep 1ms | 8.000000 MHz |
| Occupi | ed Band | lwidth | | Tota | I Power | 21. | 3 dBm | | <u>Auto</u> Man |
| | | | 97 MHz | 2 | | | | | Freq Offset |
| Transes | t Eror E- | | | | | | 0 00 % | | 0 Hz |
| | t Freq Eri | | 77.653 kH | | OBW Powe | | 9.00 % | | |
| x dB Bar | ndwidth | | 41.66 MH | z xdB | | -26 | .00 dB | | |
| | | | 1 | 1N40MIM | O Ant1 2 | STATU 437 | | | |
| Keysight Spectro | | | 1 | | O_Ant1_2 | 437 | | | |
| Keysight Spectri | RF 50 Ω q 2.43700 | DC 00000 GH: | z | SENSE:INT | 37000000 GHz | 437 ALIGN AUTO | 01:23:21 Radio Sto | PM Aug 26, 2020 I: None | |
| LXI RL | RF 50 Ω q 2.43700 | DC 00000 GH: NFE | Z C | SENSE:INT | | 437 ALIGN AUTO | 01:23:21 Radio Sto Radio De | i: None | |
| LXI RL | RF 50 Ω q 2.43700 | DC DOOOO GH: NFE #IFG | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 ALIGN AUTO | Radio Sto Radio De r1 2.42 | l: None vice: BTS 532 GHZ | |
| 10 dB/div | RF 50 Ω q 2.43700 | DC 00000 GH: NFE #IFG : 19.79 dB | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | l: None vice: BTS | |
| Center Fre | RF 50 Ω q 2.43700 Ref Offset | DC 00000 GH: NFE #IFG : 19.79 dB | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | l: None vice: BTS 532 GHZ | Frequency |
| 10 dB/div | RF 50 Ω q 2.43700 Ref Offset | DC 00000 GH: NFE #IFG : 19.79 dB | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | l: None vice: BTS 532 GHZ | |
| 10 dB/div | RF 50 Ω q 2.43700 Ref Offset | DC 00000 GH: NFE #IFG : 19.79 dB | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | l: None vice: BTS 532 GHZ | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -10.0 -20.0 -10.0 - | RF 50 Ω q 2.43700 Ref Offset Ref 20.0 | DC D | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | l: None vice: BTS 532 GHZ | Frequency Center Freq |
| 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -30.0 | RF 50 Ω q 2.43700 Ref Offset | DC D | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.42 | I: None vice: BTS 532 GHz 58 dBm | Frequency Center Freq |
| 10 RL Center Fre 10 0.0 10.0 -20.0 -30.0 -40.0 | RF 50 Ω q 2.43700 Ref Offset Ref 20.0 | DC D | Z C | SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.423 7.19 | I: None vice: BTS 532 GHz 58 dBm | Frequency Center Freq |
| M RL Center Free 10 dB/div Log 10.0 | RF 50 Ω q 2.43700 Ref Offset Ref 20.0 | DC D | z (| SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 Align Auto : 100/100 | Radio Sto Radio De r1 2.423 7.19 | I: None vice: BTS 532 GHz 58 dBm | Frequency Center Freq |
| IX RL Center Free 10 dB/div Log 10.0 -20.0 -30.0 -40.0 -50.0 -60.0 | RF 50 Ω q 2.43700 Ref Offset Ref 20.0 | DC D | z (| SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 ALIGN AUTO : 100/100 | Radio Sto Radio De r1 2.423 7.19 | I: None vice: BTS 532 GHz 58 dBm | Frequency Center Freq |
| 02 RL Center Fre 10 dB/div Log 10.0 .000 .000 .30.0 .40.0 .50.0 .60.0 .70.0 | RF 50 Ω q 2.43700 Ref Offset Ref 20.0 | DC D | z (| SENSE:INT Center Freq: 2.4 Frig: Free Run | 37000000 GHz | 437 ALIGN AUTO : 100/100 | Radio Stu Radio De r1 2.424 7.19 | I: None vice: BTS 532 GHz 58 dBm | Frequency Center Freq |
| Odd RL Center Free 10 dB/div Log 10.0 | Ref Offset Ref 20.0 | DC D | z (| SENSE:INT Penter Freq: 2.4: Irig: Free Run KAtten: 30 dB | 37000000 GHz Avg Hold | 437 ALIGN AUTO : 100/100 | Radio Sto Radio De r1 2.424 7.19 | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz |
| 02 RL Center Fre 10 dB/div Log 10.0 .000 .000 .30.0 .40.0 .50.0 .60.0 .70.0 | Ref Offset Ref 20.0 | DC D | z (| SENSE:INT Penter Freq: 2.4: Frig: Free Run KAtten: 30 dB #VBW 3 | 37000000 GHz Avg Hold | 437 ALIGN AUTO : 100/100 Mk1 | Radio Sto Radio De r1 2.424 7.19 | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz CF Step 8.000000 MHz |
| IX RL Center Fre 10 dB/div Log 10.0 .0.0 .0.0 .20.0 .30.0 .40.0 .60.0 .70.0 Center 2.42 #Res BW 8 | Ref Offset Ref 20.0 | DOC 000 GH: NFE #IFG 19.79 dB 0 dBm wight wight Width | Z finite contraction of the second se | Sense:INT Penter Freq: 2.4: Frig: Free Run Katten: 30 dB | 37000000 GHz Avg Hold | 437 ALIGN AUTO : 100/100 Mk1 | Radio Sto Radio De r1 2.424 7.19 | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 6.000000 MHz |
| 10 RL Center Fre 10 dB/div Log 10.0 .0.0 .10.0 .20.0 | №F 50 Ω q 2.43700 Ref Offset Ref 20.0 | DOC 000 GH: NFE #IFG 19.79 dB 0 dBm wight wight Width | z (| Sense:INT Penter Freq: 2.4: Frig: Free Run Katten: 30 dB | 37000000 GHz Avg Hold | 437 ALIGN AUTO : 100/100 Mk1 | Radio Sto Radio De r1 2.424 7.19 | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 6.00000 MHz 8.00000 MHz Auto Man |
| Odd RL Center Free 10 dB/div Log 10.0 .00 | Ref Offset Ref 20.0 | DOC 000 GH: NFE #IFG 19.79 dB 0 dBm 0 dBm | z f | SENSE:INT Penter Freq: 2.4: Trig: Free Run KAtten: 30 dB #VBW 3 Tota | 37000000 GHz Avg Hold | 437 ALIGN AUTO : 100/100 Mkr | Radio Sto Radio De r1 2.422 7.19 Verhedul prod Spa Sw 3 dBm | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz CF Step 8.000000 MHz |
| IO RL Center Free 10 dB/div Log 0.00 10.0 0.00 -0.0 | Ref Offset Ref 20.0 | NFE #IFG 19.79 dB 0 dBm | z c ain:Low # | SENSE.INT Penter Freq: 2.4: Trig: Free Run KAtten: 30 dB #VBW 3 #VBW 3 Tota z % of | MHz COBW Power | 437 ALIGN AUTO : 100/100 Mkn 21. er 95 | Radio Sto Radio De r1 2.424 7.19 9.00 % | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 8.000000 MHz Auto Mar |
| IX RL Center Free 10 dB/div Log 10.0 0.00 -20.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.42 #Res BW 8 | Ref Offset Ref 20.0 | NFE #IFG 19.79 dB 0 dBm | z f | SENSE.INT Penter Freq: 2.4: Trig: Free Run KAtten: 30 dB #VBW 3 #VBW 3 Tota z % of | MHz COBW Power | 437 ALIGN AUTO : 100/100 Mkn 21. er 95 | Radio Sto Radio De r1 2.422 7.19 Variadut Inst | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 8.000000 MHz Auto Mar |
| IO RL Center Free 10 dB/div Log 0.00 10.0 0.00 -0.0 | Ref Offset Ref 20.0 | NFE #IFG 19.79 dB 0 dBm | z c ain:Low # | SENSE.INT Penter Freq: 2.4: Trig: Free Run KAtten: 30 dB #VBW 3 #VBW 3 Tota z % of | MHz COBW Power | 437 ALIGN AUTO : 100/100 Mkn 21. er 95 | Radio Sto Radio De r1 2.424 7.19 9.00 % | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 8.000000 MHz Auto Mar |
| M RL Center Free 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.42 #Res BW 8 Occupi Transmi | Ref Offset Ref 20.0 | NFE #IFG 19.79 dB 0 dBm | z c ain:Low # | SENSE.INT Penter Freq: 2.4: Trig: Free Run KAtten: 30 dB #VBW 3 #VBW 3 Tota z % of | MHz COBW Power | 437 ALIGN AUTO : 100/100 Mkn 21. er 95 | Radio Sta Radio De r1 2.422 7.19 Wired Window Spa Sw 3 dBm 9.00 % .00 dB | I: None vice: BTS 532 GHz 58 dBm | Center Freq 2.437000000 GHz 8.000000 MHz Auto Mar |



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| LXI RL | im Analyzer - Occ RF 50 Ω | DC | | | ENSE:INT | | IGN AUTO | | PM Aug 26, 2020 | Frequency |
|--|--|--|---------------------------------|---|--|-----------------------------|--|---|--|---|
| Center Fre | | NFE | + | 🕂 Trig: Fr | Freq: 2.45200 ee Run | 0000 GHz Avg Hold: 1 | 00/100 | Radio Sto | | |
| | | #1 | IFGain:Low | #Atten: | 30 dB | | | | vice: BTS | |
| | Ref Offset | | | | | | Mkr | | 616 GHz 507 dBm | |
| 10 dB/div Log | Ref 20.00 | D dBm | | | . 1 | | 1 | 0.00 | | |
| 10.0 | | | | | ↓ | | | | | Center Freq |
| 0.00 | | 1 | apen you are a conceptioned | - Andrew Colores | V | In the other states | <u> </u> | | | 2.452000000 GHz |
| -10.0 | | 1 | | | | | | | | |
| -20.0 | | and the second s | | | | | - M. | | | |
| -30.0 www.hunh./hw | tog the work of the second | yw - | | | | | - NH | A market mark | www.hallant | |
| -40.0 | | | | | | | | | | |
| -50.0 | | | | | | | | | | |
| -60.0 | | | | | | | | | | |
| -70.0 | | | | | | | | | | |
| Center 2.45 | | | | | | | | | an 80 MHz | CF Step |
| #Res BW 8 | 20 kHz | | | #V | вж змн | z | | Sw | eep 1ms | 8.000000 MHz |
| Occupi | ed Band | width | | | Total P | ower | 19.0 |) dBm | | <u>Auto</u> Man |
| | u.u | | 300 M | H7 | - | | | | | |
| | | | | | | | | | | Freq Offset |
| Transmi | t Freq Err | or | 35.592 | kHz | % of O | BW Power | 99 | 9.00 % | | U Hz |
| x dB Bar | ndwidth | | 41.37 M | /Hz | x dB | | -26. | 00 dB | | |
| | | | | 11N4(| OMIMO | Ant1 24 | status 52 | 5 | | |
| MSG | | | | | | Ant1_24 | 52 | | | |
| | RF 50 Ω | DC | Hz | S Center f | ENSE:INT | 0000 GHz | 52 | | PM Aug 26, 2020 d: None | Frequency |
| | RF <u>50 Ω</u> q 2.45200 | DC 0000 G NFE | + | S | ENSE:INT Freq: 2.45200 ee Run | AL | 52 | 01:45:23 Radio Sto | | 1 |
| | RF 50 Ω q 2.45200 | DC 0000 G NFE #I | IFGain:Low | S Center F | ENSE:INT Freq: 2.45200 ee Run | 0000 GHz | 52 | 01:45:23 Radio Sto Radio De | l: None | 1 |
| Keysight Spectru V RL Center Fre 10 dB/div | RF <u>50 Ω</u> q 2.45200 | DC 0000 G NFE #1 19.79 dB | IFGain:Low | S Center F | ENSE:INT Freq: 2.45200 ee Run | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.44 | l: None vice: BTS | 1 |
| Keysight Spectru RL Center Fre | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | S Center F | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.44 | d: None vice: BTS <mark>492 GHZ</mark> | Frequency |
| 10 dB/div | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.44 | d: None vice: BTS <mark>492 GHZ</mark> | 1 |
| Keysight Spectru RL Center Free 10 dB/div Log | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.44 | d: None vice: BTS <mark>492 GHZ</mark> | Frequency Center Freq |
| Keysight Spectra R RL Center Free 10 dB/div Log 10.0 0.00 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.44 | d: None vice: BTS <mark>492 GHZ</mark> | Frequency Center Freq |
| Keysight Spectra R RL Center Free Log 10.0 0.00 -10.0 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sta Radio De (r1 2.44 5.49 | 1: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq |
| Keysight Spectra Id RL Center Fre Log 10.0 0.00 -10.0 -20.0 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sta Radio De (r1 2.44 5.49 | d: None vice: BTS <mark>492 GHZ</mark> | Frequency Center Freq |
| Keysight Spectra XI RL Center Frei 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sta Radio De (r1 2.44 5.49 | 1: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq |
| Keysight Spectra III RL Center Frei 10.0 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sta Radio De (r1 2.44 5.49 | 1: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq |
| Keysight Spectra XI RL Center Frei 10 dB/div Log 10.0 .0.0 .10.0 .20.0 .30.0 .40.0 .50.0 | Ref Offset | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sta Radio De (r1 2.44 5.49 | 1: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq |
| Keysight Spectra U RL Center Frei 10.0 0.00 -10.0 | RF 50 Q 2.45200 Ref Offset Ref 20.00 | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center F Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | 0000 GHz | 52 IGN AUTO 00/100 | 01:45:23 Radio Sto Radio De (r1 2.4 5.49 | 1: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.452000000 GHz |
| Keysight Spectra Center Free Conter Free Io Io <thio<< td=""><td>Ref Offset Ref Offset Ref 20.00</td><td>DC 0000 G NFE #1 19.79 dB</td><td>IFGain:Low</td><td>Center Fr Trig: Fr #Atten:</td><td>ENSE:INT Freq: 2.45200 ee Run 30 dB</td><td>All 0000 GHz Avg Hold: 1</td><td>52 IGN AUTO 00/100</td><td>01:45:23 Radio Str Radio De (r1 2.44 5.49</td><td>I: None vice: BTS 492 GHz 40 dBm</td><td>Frequency Center Freq 2.45200000 GHz CF Step 8.00000 MHz</td></thio<<> | Ref Offset Ref Offset Ref 20.00 | DC 0000 G NFE #1 19.79 dB | IFGain:Low | Center Fr Trig: Fr #Atten: | ENSE:INT Freq: 2.45200 ee Run 30 dB | All 0000 GHz Avg Hold: 1 | 52 IGN AUTO 00/100 | 01:45:23 Radio Str Radio De (r1 2.44 5.49 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz CF Step 8.00000 MHz |
| Keysight Spectn Qf R.L Center Fre Log 10 dB/div Log | Ref Offset Ref 20.00 | DC 0000 G NFE #1 19.79 dB 0 dBm | IFGain:Low | Center Fr Trig: Fr #Atten: | ENSE:INT | | 52 IGN AUTO 00/100 Mk | 01:45:23 Radio Str Radio De (r1 2.44 5.49 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz |
| Keysight Spectn RL Center Fre Conter Fre Conter Fre Io Io <thio< th=""> <t< td=""><td>Ref Offset Ref Offset Ref 20.00</td><td>vidth</td><td></td><td>Center F Trig: Fr #Atten:</td><td>BW 3 MH</td><td></td><td>52 IGN AUTO 00/100 Mk</td><td>01:45:23 Radio Str Radio De (r1 2.4 5.49</td><td>I: None vice: BTS 492 GHz 40 dBm</td><td>Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man</td></t<></thio<> | Ref Offset Ref Offset Ref 20.00 | vidth | | Center F Trig: Fr #Atten: | BW 3 MH | | 52 IGN AUTO 00/100 Mk | 01:45:23 Radio Str Radio De (r1 2.4 5.49 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man |
| Keysight Spectra RL Center Fre 10 dB/div Log 10.0 .0.0 | Ref Offset Ref Offset Ref 20.00 | vidth | 287 MI | Center F Trig: Fr #Atten: | BW 3 MH | Z | 52 IGN AUTO 00/100 MH | 01:45:23 Radio Str Radio De (r1 2:44 5:49 Spa Spa Sw I dBm | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Seysight Spectre Res BW 8 Occupie | Ref Offset Ref 20.00 and a state of the set Ref 20.00 and a state of the set a state of t | vidth | PFGain:Low 287 MI -31.716 | Center F Trig: Fr #Atten: #ten:#ten: #ten:#ten: #ten:# | BW 3 MH Total P % of OE | | 52 IGN AUTO 00/100 Mk 19.1 99 | 01:45:23 Radio Str Radio De (r1 2:44 5:45 5:45 5:45 5:55 5:55 5:55 5:55 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man |
| Keysight Spectra RL Center Free Center Free Center Sector Center 2.45 #Res BW 8 Occupin | Ref Offset Ref 20.00 and a state of the set Ref 20.00 and a state of the set a state of t | vidth | 287 MI | Center F Trig: Fr #Atten: #ten:#ten: #ten:#ten: | BW 3 MH | Z | 52 IGN AUTO 00/100 Mk 19.1 99 | 01:45:23 Radio Str Radio De (r1 2.44 5.49 Spa Spa Sw I dBm | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Seysight Spectre Res BW 8 Occupie | Ref Offset Ref 20.00 and a state of the set Ref 20.00 and a state of the set a state of t | vidth | PFGain:Low 287 MI -31.716 | Center F Trig: Fr #Atten: #ten:#ten: #ten:#ten: | BW 3 MH Total P % of OE | Z | 52 IGN AUTO 00/100 Mk 19.1 99 | 01:45:23 Radio Str Radio De (r1 2:44 5:45 5:45 5:45 5:55 5:55 5:55 5:55 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |
| Keysight Spectra RL Center Free 10 dB/div Log 10.0 .000 | Ref Offset Ref 20.00 and a state of the set Ref 20.00 and a state of the set a state of t | vidth | PFGain:Low 287 MI -31.716 | Center F Trig: Fr #Atten: #ten:#ten: #ten:#ten: | BW 3 MH Total P % of OE | Z | 52 IGN AUTO 00/100 Mk 19.1 99 | 01:45:23 Radio Str Radio De (r1 2:44 5:45 5:45 5:45 5:55 5:55 5:55 5:55 | I: None vice: BTS 492 GHz 40 dBm | Frequency Center Freq 2.45200000 GHz 8.00000 MHz <u>Auto</u> Man Freq Offset |



APPENDIX D: CONDUCTED AVERAGE OUTPUT POWER

Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| | Ant1 | 2412 | 20.87 | 30 | PASS |
| | Ant2 | 2412 | 20.91 | 30 | PASS |
| 440 | Ant1 | 2437 | 20.76 | 30 | PASS |
| 11B | Ant2 | 2437 | 20.86 | 30 | PASS |
| | Ant1 | 2462 | 19.41 | 30 | PASS |
| | Ant2 | 2462 | 19.99 | 30 | PASS |
| | Ant1 | 2412 | 17.97 | 30 | PASS |
| | Ant2 | 2412 | 18.33 | 30 | PASS |
| 11G | Ant1 | 2437 | 17.83 | 30 | PASS |
| ПG | Ant2 | 2437 | 17.92 | 30 | PASS |
| | Ant1 | 2462 | 17.55 | 30 | PASS |
| | Ant2 | 2462 | 17.90 | 30 | PASS |
| | Ant1 | 2412 | 14.56 | 30 | PASS |
| | Ant2 | 2412 | 14.41 | 30 | PASS |
| | total | 2412 | 17.5 | 30 | PASS |
| | Ant1 | 2437 | 14.39 | 30 | PASS |
| 11N20MIMO | Ant2 | 2437 | 14.67 | 30 | PASS |
| | total | 2437 | 17.54 | 30 | PASS |
| | Ant1 | 2462 | 13.56 | 30 | PASS |
| | Ant2 | 2462 | 13.80 | 30 | PASS |
| | total | 2462 | 16.7 | 30 | PASS |
| | Ant1 | 2422 | 13.42 | 30 | PASS |
| | Ant2 | 2422 | 13.55 | 30 | PASS |
| | total | 2422 | 16.5 | 30 | PASS |
| | Ant1 | 2437 | 13.67 | 30 | PASS |
| 11N40MIMO | Ant2 | 2437 | 13.78 | 30 | PASS |
| | total | 2437 | 16.74 | 30 | PASS |
| | Ant1 | 2452 | 12.01 | 30 | PASS |
| | Ant2 | 2452 | 12.12 | 30 | PASS |
| | total | 2452 | 15.08 | 30 | PASS |

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



APPENDIX E: PEAK POWER SPECTRAL DENSITY

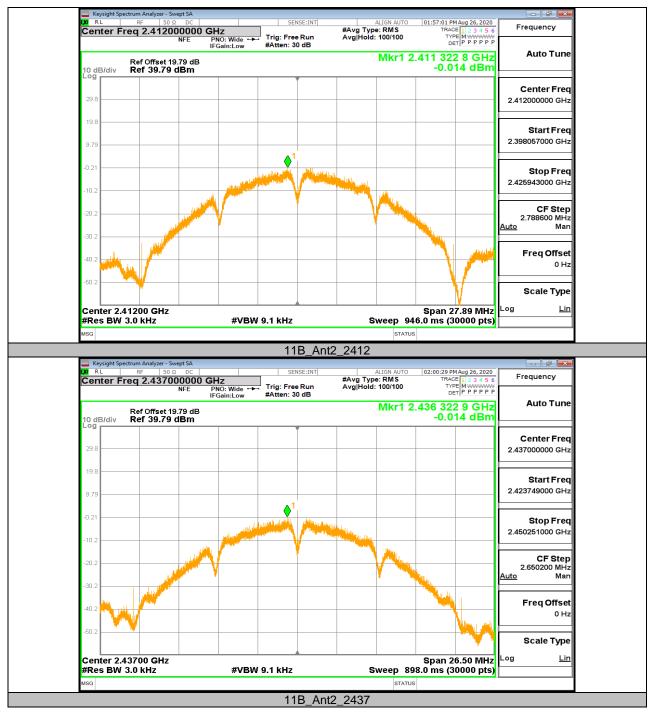
Test Result

| Test Mode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|------------------|-----------------|---------|
| | | 2412 | -0.01 | <=8 | PASS |
| 11B | Ant1 | 2437 | -0.01 | <=8 | PASS |
| | | 2462 | -1.04 | <=8 | PASS |
| | | 2412 | -5.69 | <=8 | PASS |
| 11G | Ant1 | 2437 | -6.3 | <=8 | PASS |
| | | 2462 | -5.15 | <=8 | PASS |
| | Ant1 | 2412 | -7.09 | <=8 | PASS |
| | Ant2 | 2412 | -6.74 | <=8 | PASS |
| | total | 2412 | -3.90 | <=8 | PASS |
| | Ant1 | 2437 | -7.26 | <=8 | PASS |
| 11N20MIMO | Ant2 | 2437 | -4.92 | <=8 | PASS |
| | total | 2437 | -2.92 | <=8 | PASS |
| | Ant1 | 2462 | -8.66 | <=8 | PASS |
| | Ant2 | 2462 | -9.37 | <=8 | PASS |
| | total | 2462 | -5.99 | <=8 | PASS |
| | Ant1 | 2422 | -12.31 | <=8 | PASS |
| | Ant2 | 2422 | -11.35 | <=8 | PASS |
| | total | 2422 | -8.79 | <=8 | PASS |
| | Ant1 | 2437 | -11.29 | <=8 | PASS |
| 11N40MIMO | Ant2 | 2437 | -10.54 | <=8 | PASS |
| | total | 2437 | -7.89 | <=8 | PASS |
| | Ant1 | 2452 | -14.79 | <=8 | PASS |
| | Ant2 | 2452 | -14.89 | <=8 | PASS |
| | total | 2452 | -11.83 | <=8 | PASS |

Note: For 802.11b & g modes, both antennas had been tested, only the worst data was recorded in the report.

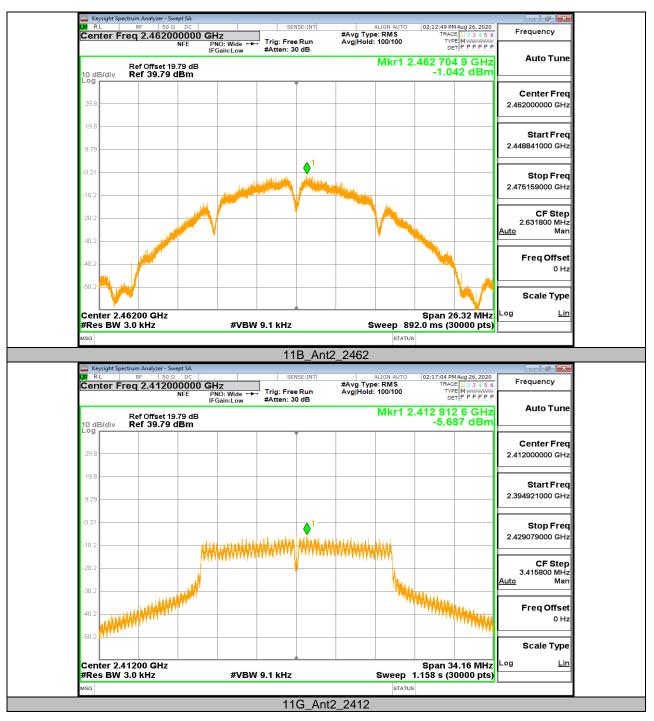


Test Graphs





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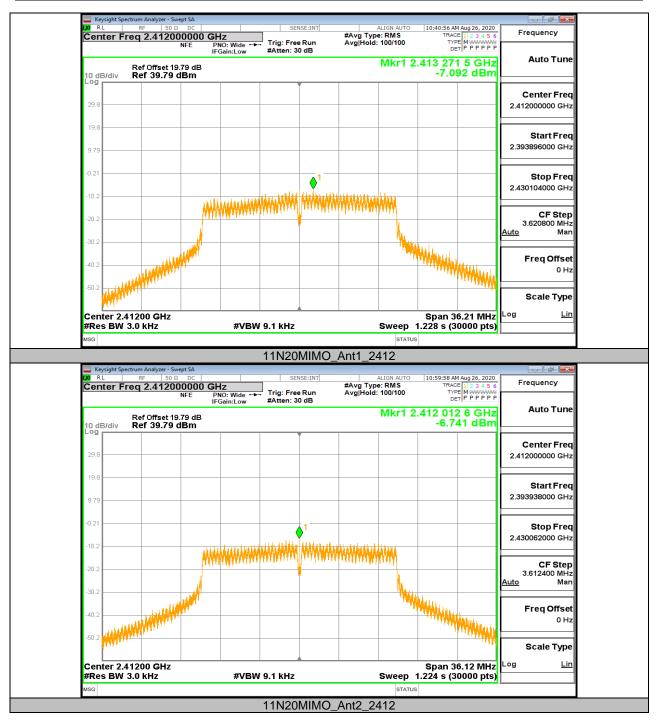


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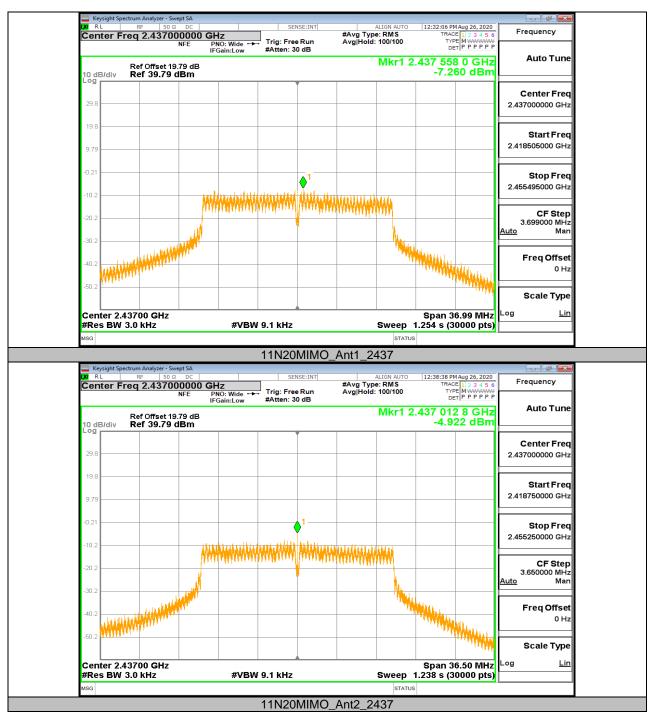


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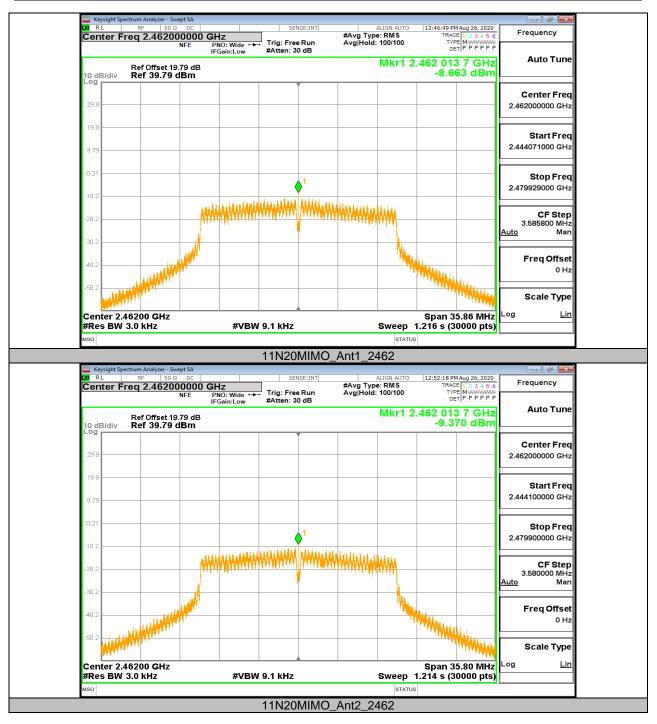


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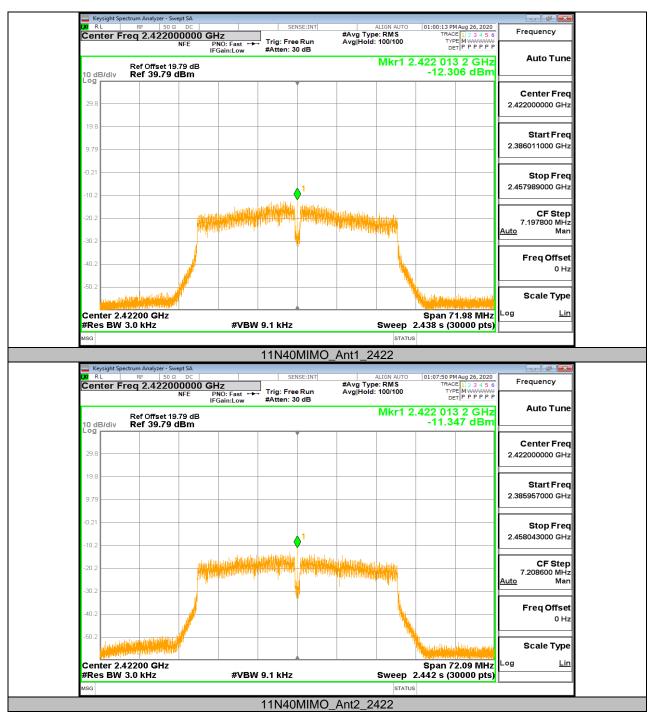


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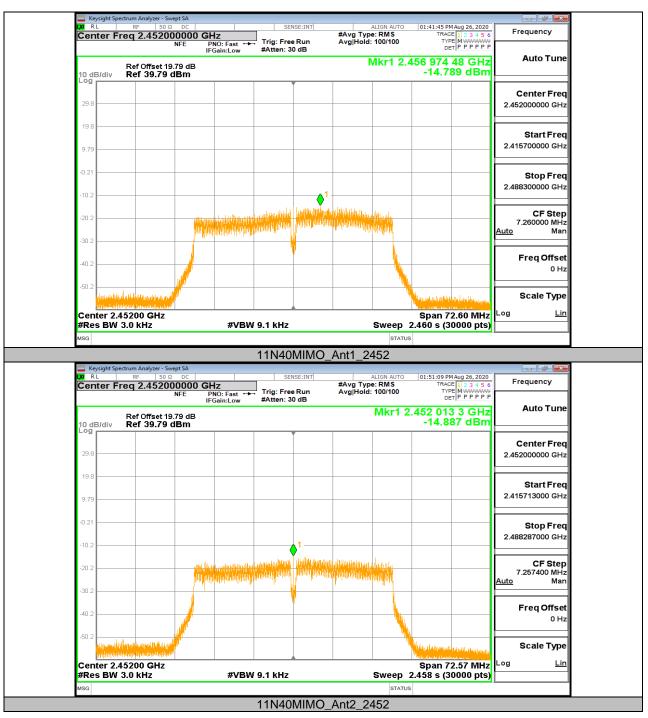
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| X/RL RF 50Ω DC | SENSE:INT | ALIGN AUTO | 01:19:29 PM Aug 26, 2020 | |
|--|---|--|---|---|
| Center Freq 2.4370000 NFE | PNO: Fast ↔ IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P | Frequency |
| Ref Offset 19.79 d 10 dB/div Ref 39.79 dBm | B | Mkr1 2 | 419 513 3 GHz -11.292 dBm | Auto Tune |
| 29.8 | | | | Center Freq 2.437000000 GHz |
| 9.79 | | | | Start Freq 2.400303000 GHz |
| -0.21 | ▲1 | | | Stop Freq 2.473697000 GHz |
| -20.2 | and be described in the state of the source | nte distante anti de la distante de La distante de la distante | | CF Step 7.339400 MHz <u>Auto</u> Man |
| -40.2 | | | | Freq Offset 0 Hz |
| -50.2 no manifed an architecture of the second seco | | | | Scale Type |
| Center 2.43700 GHz #Res BW 3.0 kHz | #VBW 9.1 kHz | Sweep 2 | Span 73.39 MHz 486 s (30000 pts). | |
| MSG | | STATUS | | |
| | 11N40MIMO | Ant1_2437 | | |
| | | | | |
| Keysight Spectrum Analyzer - Swept SA RL RF 50 Ω DC Center Freq 2.4370000 NFE | SENSE:INT 00 GHZ PNO: Fast ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 01:29:02 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| RL RF 50 Ω DC Center Freq 2.4370000 NFE NFE Ref Offset 19.79 c Ref Offset 19.79 c Ref Offset 19.79 c | B SENSE:INT SENSE:INT SENSE:INT Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE M WWWWW | [|
| 22 RL RF 50Ω DC Center Freq 2.4370000 NFE Ref Offset 19.79 c | B SENSE:INT SENSE:INT SENSE:INT Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 437 013 4 GHz | Frequency |
| RL RF 50 2 00 OC Center Freq 2.43700000 NFE NFE 10 dB/div Ref Offset 19.79 d NFE | B SENSE:INT SENSE:INT SENSE:INT Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 437 013 4 GHz | Frequency Auto Tune Center Freq |
| RL RF 50 0 p Concenter Freq 2.43700000 Center Freq 2.43700000 NFE 10 dB/div Ref Offset 19.79 c 29.8 Ref 39.79 dBm 19.8 19.8 | B SENSE:INT SENSE:INT SENSE:INT Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 437 013 4 GHz | Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq |
| RL RF 50 0.0 Conter Conter Freq 2.43700000 Center Freq 2.43700000 NFE 0 dB/div Ref Offset 19.79 c Ref 39.79 dBm 19 8 9 9 19.8 9 9 9 9.79 9 9 9 -0.21 9 9 9 9 -0.21 9 9 9 9 -0.21 9 9 9 9 | B SENSE:INT SENSE:INT SENSE:INT Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 437 013 4 GHz | Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.400459000 GHz Stop Freq |
| RL RF 50 0 or Center Freq 2.4370000 NFE 10 dB/div Ref Offset 19.79 of 29.8 | SENSE:INT 00 GHz PNO: Fast ↔ IFGain:Low #Atten: 30 dB 1 1 1 1 | #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 437 013 4 GHz | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.400459000 GHz Stop Freq 2.473541000 GHz CF Step 7.308200 MHz |
| XX RF 50 0 0 or Center Freq 2.43700000 NFE Center Freq 2.43700000 NFE 0 dB/div Ref Offset 19.79 or Ref 39.79 dBm 29.8 | SENSE:INT 00 GHz PNO: Fast ↔ IFGain:Low #Atten: 30 dB 1 1 1 1 | #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | TRACE [] 2 4 5 6 TYPE MWWWW DET P P P P P 437 013 4 GHz -10.535 dBm | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.400459000 GHz Stop Freq 2.473541000 GHz CF Step 7.308200 MHz <u>Auto</u> Man Freq Offset 0 Hz Scale Type |
| RL RF 50 0 p C Center Freq 2.43700000 NFE 10 dB/div Ref Offset 19.79 c 29.8 | SENSE:INT 00 GHz PNO: Fast ↔ IFGain:Low #Atten: 30 dB 1 1 1 1 | #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | TRACE [] 2.4 5.6 TYPE MWWWW DET P P P P P 437 013 4 GHz -10.535 dBm | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.400459000 GHz Stop Freq 2.473541000 GHz CF Step 7.308200 MHz <u>Auto</u> Man Freq Offset 0 Hz Scale Type |

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APPENDIX F: CONDUCTED BANDEDGE

Test Result

| Test Mode | Antenna | Ch Name | Channel | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|---------|----------------|-------------|------------|---------|
| 11B | Ant2 | Low | 2412 | 13.50 | -23.6 | <=-16.5 | PASS |
| ПВ | Antz | High | 2462 | 12.00 | -39.89 | <=-18 | PASS |
| 11G | Ant2 | Low | 2412 | 7.68 | -22.6 | <=-22.33 | PASS |
| ПG | Antz | High | 2462 | 8.51 | -39.94 | <=-21.49 | PASS |
| | Ant1 | Low | 2412 | 5.53 | -25.57 | <=-24.47 | PASS |
| 11N20MIMO | Ant2 | Low | 2412 | 6.21 | -24.8 | <=-23.79 | PASS |
| | Ant1 | High | 2462 | 4.35 | -40.87 | <=-25.65 | PASS |
| | Ant2 | High | 2462 | 3.34 | -40.46 | <=-26.66 | PASS |
| | Ant1 | Low | 2422 | 1.50 | -37.65 | <=-28.5 | PASS |
| 11N40MIMO | Ant2 | Low | 2422 | 1.22 | -32.85 | <=-28.78 | PASS |
| | Ant1 | High | 2452 | -0.26 | -39.47 | <=-30.26 | PASS |
| | Ant2 | High | 2452 | -0.91 | -36.97 | <=-30.91 | PASS |

Note: For 802.11b & g modes, both antennas had been tested, only the worst data was recorded in the report.



Test Graphs

| Keysight Spectrum Analyzer - Swep | | | |
|--|--|--|--|
| | | ALIGN AUTO 01:57:14 PM Aug 26, 202 #Avg Type: RMS TRACE 1 2 3 4 5 AvglHold: 300/300 TYPE M WWWW | Frequency |
| | IFE PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | Avg Hold: 300/300 TYPE MWWWW DET P P P P | Auto Tune |
| Ref Offset 19.7 10 dB/div Ref 20.00 dl | | Mkr5 2.399 06 GH -23.595 dBn | 4 |
| 10.0 | | | Contor From |
| 0.00 | | | 2.36500000 GHz |
| -10.0 | | | 2.000000000000 |
| -20.0 | | DL1 46.50 dB | |
| -30.0 | | Burn Marke | Start Freq |
| -40.0 | | | 2.30000000 GHz |
| -50.0 | Marin million probable and service to an and the service of the service of | we have an all a start of the s | |
| -60.0 | | | Stop Freq |
| -70.0 | | | 2.430000000 GHz |
| Start 2 20000 CHz | | Sten 2 42000 CH | |
| Start 2.30000 GHz #Res BW 100 kHz | #VBW 300 kHz | Stop 2.43000 GH Sweep 4.800 ms (1001 pts | |
| MKR MODE TRC SCL | X I Y FI | JNCTION FUNCTION WIDTH FUNCTION VALUE | Auto Man |
| 1 N 1 f 2 N 1 f | 2.411 54 GHz 13.500 dBm 2.400 00 GHz -30.082 dBm | | |
| 3 N 1 f | 2.390 00 GHz -42.439 dBm | | Freq Offset |
| 4 N 1 f 5 N 1 f | 2.310 00 GHz -44.520 dBm 2.399 06 GHz -23.595 dBm | | 0 Hz |
| 6 7 | | | |
| 7 8 9 | | | Scale Type |
| 10 11 | | | Log <u>Lin</u> |
| < [| m | • | |
| MSG | | STATUS | |
| | 11B_Ant2_ | Low_2412 | |
| Keysight Spectrum Analyzer - Swep | DC SENSE:INT | ALIGN AUTO 02:13:02 PM Aug 26, 202 | |
| Center Freq 2.495000 | DOOO GHz IFE PNO: Fast +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 300/300 DET P P P P | 6 Frequency |
| Ref Offset 19.7 | 79 dB | Mkr4 2.496 76 GH | Auto Tune |
| 10 dB/div Ref 20.00 dl | Bm | -39.893 dBn | |
| 10.0 | | | |
| 0.00 | wall a second se | | Center Freq |
| N <u>N</u> | | | |
| -10.0 | 1999 | 011-100.00 | Center Freq |
| -10.0 | | DL1 -16.00 db | Center Freq |
| -10.0 -20.0 -30.0 | ¹⁰⁰ α ₄ , | DL1 -18.00 db | Center Freq 2.495000000 GHz |
| -10.0 -20.0 -30.0 -40.0 | 1444 1444 1444 1444 1447 1447 1447 1447 | | Center Freq 2.49500000 GHz Start Freq |
| -10.0 -20.0 -30.0 -40.0 -50.0 | 1000 100 100 100 100 100 100 100 100 10 | | Center Freq 2.49500000 GHz Start Freq |
| -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 | | | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz |
| -10.0 -20.0 -30.0 -40.0 -60.0 -7 | | | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq 2.55000000 GHz |
| -10.0 -20.0 -30.0 -40.0 -5 | | ۲۰۰۰ - ۲۰۰۰۰ - ۲۰۰۰۰ ۲۰۰۰۰ | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq 2.55000000 GHz CF Step |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 kHz | #VBW 300 kHz | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq 2.55000000 GHz CF Step |
| -10.0 -20.0 -30.0 -40.0 -40.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -50.0 -70.0 -5 | #VBW 300 kHz | ۲۰۰۰ - ۲۰۰۰۰ - ۲۰۰۰۰ ۲۰۰۰۰ | Center Freq 2.49500000 GHz 2.440000000 GHz 2.440000000 GHz 2.550000000 GHz 2.550000000 GHz 11.00000 MHz |
| -10.0 -20.0 -30.0 -40.0 -40.0 -5 | #VBW 300 kHz 2461 01 GHz 12,000 dBm 2483 06 GHz 43 044 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz 2.440000000 GHz 2.440000000 GHz 2.550000000 GHz 2.550000000 GHz 11.00000 MHz |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 KHz MKC MODE HIG SCL 1 N 1 f 3 N 1 f | #VBW 300 kHz | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.440000000 GHz Stop Freq 2.55000000 GHz CF Step 11.000000 MHz Auto |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 KHz MKC MODE HIG SCL 1 N 1 f 3 N 1 f | #VBW 300 kHz #VBW 300 kHz 2.461 01 GHz 12.000 dBm 2.483 50 GHz -43.044 dBm 2.500 00 GHz -40.989 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz 2.55000000 GHz 11.00000 MHz Auto Man Freq Offset |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 KHz MKC MODE HIG SCL 1 N 1 f 3 N 1 f | #VBW 300 kHz #VBW 300 kHz 2.461 01 GHz 12.000 dBm 2.483 50 GHz -43.044 dBm 2.500 00 GHz -40.989 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz 2.55000000 GHz 11.00000 MHz Auto Man Freq Offset |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 KHz MKC MODE HIG SCL 1 N 1 f 3 N 1 f | #VBW 300 kHz #VBW 300 kHz 2.461 01 GHz 12.000 dBm 2.483 50 GHz -43.044 dBm 2.500 00 GHz -40.989 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.440000000 GHz 2.440000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 11.000000 MHz Auto Freq Offset 0 Hz Scale Type |
| -10.0 -20.0 -30.0 -40.0 -40.0 -5 | #VBW 300 kHz #VBW 300 kHz 2.461 01 GHz 12.000 dBm 2.483 50 GHz -43.044 dBm 2.500 00 GHz -40.989 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.440000000 GHz Stop Freq 2.55000000 GHz CF Step 11.000000 MHz Auto Freq Offset 0 Hz |
| -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.44000 GHz #Res BW 100 KHz MKC MODE HIC SCL 1 N 1 f 3 N 1 f | #VBW 300 kHz #VBW 300 kHz 2.461 01 GHz 12.000 dBm 2.483 50 GHz -43.044 dBm 2.500 00 GHz -40.989 dBm | Stop 2.55000 GH Sweep 4.067 ms (1001 pts | Center Freq 2.49500000 GHz Start Freq 2.440000000 GHz 2.440000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 11.000000 MHz Auto Freq Offset 0 Hz Scale Type |

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| Center Freq 2.3 | yzer - Swept SA 50 Ω DC | SENSE:INT | ALIGN AUTO | 02:32:02 PM Aug 26, 2020 | Frequency |
|---|--|--|--|---|---|
| Center Freq 2.5 | NFE PNO: Fast ↔ IFGain:Low | Trig: Free Run #Atten: 30 dB | Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P | |
| Ref Off | fset 19.79 dB | | Mkr | 5 2.399 84 GHz | Auto Tune |
| 10 dB/div Ref 20 | 0.00 dBm | · · · · · | | -22.602 dBm | |
| 10.0 | | | | Levela land | Center Freq |
| -10.0 | | | | Arthon - All | 2.365000000 GHz |
| -10.0 | | | | DL1 2963 dBm | |
| -30.0 | | | 3 matter | | Start Freq 2.30000000 GHz |
| -40.0 -40.0 | Unopow hole to make the second statement | and the state of the second states and the s | ALAN AND AND AND AND AND AND AND AND AND A | | |
| -50.0 | | | | | Stop Freq |
| -60.0 | | | | | 2.430000000 GHz |
| | - | | | | |
| Start 2.30000 GH #Res BW 100 kH | | № 300 kHz | | Stop 2.43000 GHz .800 ms (1001 pts) | CF Step 13.000000 MHz |
| MKR MODE TRC SCL | X | | NCTION FUNCTION WIDTH | FUNCTION VALUE | <u>Auto</u> Man |
| 1 N 1 f 2 N 1 f 3 N 1 f | 2.410 76 GHz 2.400 00 GHz | 7.675 dBm -23.537 dBm | | | Freq Offset |
| 2 N 1 f 3 N 1 f 4 N 1 f 5 N 1 f | 2.390 00 GHz 2.310 00 GHz 2.399 84 GHz | -38.686 dBm -44.353 dBm -22.602 dBm | | | 0 Hz |
| 6 7 | 2.355 64 GHZ | -22.002 0811 | | | |
| 8 | | | | | Scale Type |
| 10 11 | | | | - | Log <u>Lin</u> |
| MSG | | m | STATUS | • | |
| MSG | | | STATUS | • | |
| | | 110 Apt2 | Low 2412 | | |
| Keysight Spectrum Analy | vzer - Swept SA | 11G_Ant2_ | Low_2412 | 1 | |
| | 50 Ω DC | 11G_Ant2_ | ALIGN AUTO | 02:29:33 PM Aug 26, 2020 | Frequency |
| | 50 Ω DC | SENSE:INT | | 02:29:33 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P | |
| Center Freq 2.4 | 50 Ω DC 95000000 GHz NFE PNO: Fast ↔ IFGain:Low | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.498 96 GHz | |
| Center Freq 2.4 | 50 Ω DC 95000000 GHz NFE PNO: Fast ↔ | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| Center Freq 2.4 Center Freq 2.4 Ref Off 10 dB/div Ref 20 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.498 96 GHz | Frequency Auto Tune Center Freq |
| Center Freq 2.4 | 50 Ω DC 95000000 GHz NFE PNO: Fast ↔ IFGain:Low Fset 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.498 96 GHz | Frequency Auto Tune |
| M RL RF Center Freq 2.4 Ref Off 10 dB/dlv Ref Off 10 dB/dlv Ref 2(1000) 10.0 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.498 96 GHz | Frequency Auto Tune Center Freq 2.49500000 GHz |
| Center Freq 2.4 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 11:23456 TYPE MWWWWW DET PPPPP 4 2.498 96 GHz -39.941 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq |
| RL RF Center Freq 2.4 Ref Off Ref 2 Ref 2 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 11:23456 TYPE MWWWWW DET PPPPP 4 2.498 96 GHz -39.941 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz |
| M RL RF Center Freq 2.4 Ref Off 10 dB/div Ref 2(10.0 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 11 23 4 5 6 TYPE MWWWWW DET P P P P P P 4 2.498 96 GHz -39.941 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.440000000 GHz |
| M RL RF Center Freq 2.4 Ref Off 10 dB/div Ref 2f 10 dB/div Ref 2f 10.0 | 50 Ω DC 95000000 GHz NFE PN0: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 11 23 4 5 6 TYPE MWWWWW DET P P P P P P 4 2.498 96 GHz -39.941 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq |
| RL RF Center Freq 2.4 Ref Off Ref Off Ref 21 Og 10.0 0.00 | 50 Ω DC 95000000 GHZ NFE PNO: Fast → IFGain:Low fset 19.79 dB 0.00 dBm 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 Mkr | TRACE 11 2 4 5 6 TYPE MWWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq 2.55000000 GHz |
| M RL RF Center Freq 2.4 Ref Off 10 dB/div Ref 2f 10.0 | 50 Ω DC 95000000 GHz NFE PNO: Fast → IFGain:Low Fset 19.79 dB 0.00 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1 | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 Mkr | TRACE [1] 2 4 5 6 TYPE [1] 2 4 5 7 7 TYPE [1] 2 | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq |
| XX RL RF Center Freq 2.4 Ref Off 0 dB/div Ref Off 10.0 Ref 20 10.0 Ref 20 10.0 Ref 20 10.0 Ref 20 0.00 Ref 20 10.0 Ref 20 0.00 Ref 20 | \$9:0 pc :95000000 GHz NFE PN0: Fast → IFGain:Low fset 19.79 dB 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 Mkr | TRACE [1] 2 4 5 6 TYPE MWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 011.2149.496 0100000000000000000000000000000000000 | Frequency Auto Tune Center Freq 2.49500000 GHz 2.44000000 GHz 2.55000000 GHz CF Step |
| M RL RF Center Freq 2.4 Ref Off 10 B/div Ref 2(1) 10.0 | 50 Ω DC :95000000 GHz NFE PN0: Fast → IFGain:Low fset 19.79 dB 0.00 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [1] 2 4 5 6 TYPE M WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 0(1.2149.dBm)0(1.2149.dB | Frequency Auto Tune Center Freq 2.495000000 GHz 2.440000000 GHz 2.440000000 GHz 2.550000000 GHz CF Step 11.00000 MHz Auto Man |
| RL RF Center Freq 2.4 Ref Off 10 dB/div Ref 2(1) 20 dB/div Ref 2(1) -40 db/dr/dr/dr/dr/dr/dr/dr/dr/dr/dr/dr/dr/dr/ | 50 Ω DC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [1] 2 4 5 6 TYPE M WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 0(1.2149.dBm)0(1.2149.dB | Frequency Auto Tune Center Freq 2.495000000 GHz Start Freq 2.440000000 GHz Stop Freq 2.550000000 GHz CF Step 11.00000 MHz |
| RL RF Center Freq 2.4 0 dB/div Ref Off 10 dB/div Ref 2(0.00 | 50 Ω PC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [1] 2 4 5 6 TYPE M WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 0(1.2149.dBm)0(1.2149.dB | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset |
| XM RL RF Center Freq 2.4 Ref Off 0 dB/div Ref 2(0 0 0 0.00 | 50 Ω PC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [1] 2 4 5 6 TYPE M WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 0(1.2149.dBm)0(1.2149.dB | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset |
| XM RL RF Center Freq 2.4 Ref Off 0 dB/div Ref 2(1) 10 0.00 | 50 Ω PC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [1] 2 4 5 6 TYPE M WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 0(1.2149.dBm)0(1.2149.dB | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset 0 Hz |
| M RL RF Center Freq 2.4 Ref Off 0 dB/div Ref Off 10.0 Ref Off 0.00 Ref Off 3.0 Ref Off 40.0 Ref Off 50.0 Ref Off 1 N 1 1 2 1 3 1 3 1 | 50 Ω PC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE 2 4 5 6 TYPE 24 5 6 TYPE WWWWW DET P P P P P 4 2.498 96 GHz -39.941 dBm 01.1.21.49.6Pm 01.1.21.49.6Pm Stop 2.55000 GHz 067 ms (1001 pts) FUNCTION VALUE | Frequency Auto Tune Center Freq 2.495000000 GHz Start Freq 2.440000000 GHz Stop Freq 2.550000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset 0 Hz Scale Type |

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| M RL RF 50 Ω Center Freq 2.36500 | DC SENSE:INT | ALIGN AUTO 02:36:15 PM Aug 26, 2020 #Avg Type: RMS TRACE 1 2 3 4 5 6 | Frequency |
|---|---|---|--|
| | NFE PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | Avg Hold: 300/300 TYPE M WWWW DET P P P P P | |
| Ref Offset 19 | 79 dB | Mkr5 2.399 58 GHz | Auto Tune |
| 10 dB/div Ref 20.00 | | -25.566 dBm | |
| 10.0 | | | Center Freq |
| 0.00 | | LLL LLL | 2.365000000 GHz |
| -10.0 | | | |
| -20.0 | | DL1 -2414Z dBm | Otort From |
| -30.0 | | | Start Freq 2.30000000 GHz |
| -40.0 | Level & March Mar | And and a start and a start a | |
| -50.0 | | | Stop Frog |
| -60.0 | | | Stop Freq 2.43000000 GHz |
| -70.0 | | | |
| Start 2.30000 GHz | | Stop 2.43000 GHz | CF Step |
| #Res BW 100 kHz | #VBW 300 kHz | Sweep 4.800 ms (1001 pts) | 13.000000 MHz |
| MKR MODE TRC SCL | | INCTION FUNCTION WIDTH FUNCTION VALUE | <u>Auto</u> Man |
| 1 N 1 f 2 N 1 f | 2.414 53 GHz 5.531 dBm 2.400 00 GHz -26.141 dBm | | Freq Offset |
| 3 N 1 f 4 N 1 f | 2.390 00 GHz -43.552 dBm 2.310 00 GHz -43.623 dBm | | 0 Hz |
| 5 N 1 f | 2.399 58 GHz -25.566 dBm | E | |
| 7 8 | | | Scale Type |
| 9 10 | | | Log <u>Lin</u> |
| 11 | | | |
| MSG | | STATUS |] |
| | 11N20MIMO_A | nt1 Low 2412 | |
| | | | |
| LXI RL RF 50 Ω | DC SENSE:INT | ALIGN AUTO 02:39:09 PM Aug 26, 2020 #Avg Type: RMS TRACE 1 2 3 4 5 6 | |
| Center Freq 2.36500 | NFE PNO: Fast +++ Trig: Free Run | #Avg Type: RMS TRACE 1 2 3 4 5 6 Avg Hold: 300/300 TYPE M WWWWW DET P P P P P | |
| | IFGain:Low #Atten: 30 dB | , | Auto Tune |
| | | Mkr5 2 399 71 GHz | Autorune |
| Ref Offset 19 | | Mkr5 2.399 71 GHz -24.802 dBm | Auto Tune |
| 10 dB/div Ref 20.00 | | -24.802 dBm | |
| 10 dB/div Ref 20.00 (10.0 | | | Center Freq |
| 10 dB/div Ref 20.00 | | -24.802 dBm | |
| 10 dB/div Ref 20.00 (Log 10.0 0.00 | | -24.802 dBm | Center Freq 2.36500000 GHz |
| 10 dB/div Ref 20.00 d 10.0 .000 -10.0 | | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq |
| 10.0 B/div Ref 20.00 (10.0 | | -24.802 dBm | Center Freq 2.36500000 GHz |
| 10.0 B/div Ref 20.00 (10.0 | | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz |
| 10 a B/div Ref 20.00 a a b c b c b c b c b c b c b c b c b c b | | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq |
| 10 dB/div Ref 20.00 d 00 0.00 -10.0 - -20.0 - -30.0 - -40.0 - -50.0 - | | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq |
| 10 dB/div Ref 20.00 d 0.0 | | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq |
| 10.0 Ref 20.00 (0.0 - 0.0 - 0.0 - 0.0 - 0.0 - -10.0 - -20.0 - -40.0 - -50.0 - -60.0 - -70.0 - | | -24.802 dBm | Center Freq 2.365000000 GHz Start Freq 2.300000000 GHz Stop Freq 2.430000000 GHz CF Step 13.000000 MHz |
| 10 dB/div Ref 20.00 d 0.0 | dBm | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq 2.43000000 GHz CF Step |
| 10 dB/div Ref 20.00 d 00 | dBm | -24.802 dBm | Center Freq 2.365000000 GHz Start Freq 2.300000000 GHz Stop Freq 2.430000000 GHz CF Step 13.000000 MHz Auto |
| 10 d B/div Ref 20.00 (00 0.0 0.0 0.0 10.0 0.0 20.0 0.0 30.0 40.0 -40.0 0.0 -50.0 0.0 -60.0 0.0 -50.0 0.0 -60.0 0.0 -70.0 0.0 Start 2.30000 GHz #Res BW 100 KHz 1 1 | #VBW 300 kHz X X 2.410 76 GHz -26.611 dBm 2.390 00 GHz -39.462 dBm | -24.802 dBm | Center Freq 2.365000000 GHz Start Freq 2.300000000 GHz Stop Freq 2.430000000 GHz CF Step 13.000000 MHz |
| 10 dB/div Ref 20.00 d 00 | #VBW 300 kHz 2.410 76 GHz 6.212 dBm 2.390 00 GHz - 26.611 dBm 2.390 00 GHz - 28.461 dBm | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq 2.43000000 GHz CF Step 13.00000 MHz Auto Man Freq Offset |
| 10 dB/div Ref 20.00 d 0 0 0 0 0.00 0 -10.0 0 -20.0 0 -30.0 0 -40.0 0 -50.0 0 -60.0 0 -70.0 0 Start 2.30000 GHz #Res BW 100 KHz I N | #VBW 300 kHz X X 2.410 76 GHz -26.611 dBm 2.390 00 GHz -39.462 dBm | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq 2.43000000 GHz CF Step 13.00000 MHz Auto Freq Offset 0 Hz |
| 10 dB/div Ref 20.00 d 00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 20.0 0.00 30.0 0.00 40.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 0.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 50.0 1.00 < | #VBW 300 kHz X X 2.410 76 GHz -26.611 dBm 2.390 00 GHz -39.462 dBm | -24.802 dBm | Center Freq 2.365000000 GHz Start Freq 2.300000000 GHz 2.430000000 GHz CF Step 13.000000 MHz <u>Auto</u> Man Freq Offset 0 Hz Scale Type |
| 10 dB/div Ref 20.00 d 00 0.00 0.00 0.00 | #VBW 300 kHz X X 2.410 76 GHz -26.611 dBm 2.390 00 GHz -39.462 dBm | -24.802 dBm | Center Freq 2.36500000 GHz Start Freq 2.30000000 GHz Stop Freq 2.43000000 GHz CF Step 13.00000 MHz Auto Freq Offset 0 Hz |

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| LX/ RL RF 50 Ω | SA SENSE:INT | ALIGN AUTO | 12:47:03 PM Aug 26, 2020 | |
|---|---|--|---|---|
| Center Freq 2.495000 | 000 GHz | #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE M WWW DET P P P P P P | Frequency |
| Ref Offset 19.79 10 dB/div Ref 20.00 dB |) dB m | Mkr | 4 2.518 87 GHz -40.870 dBm | Auto Tune |
| 10.0 1 | hun | | | Center Freq 2.495000000 GHz |
| -20.0 - 2 | And a grant and a | der der verwerten ander ander the segure and | DL1 -25.65 dBm | Start Freq 2.440000000 GHz |
| -60.0 | | | | Stop Freq 2.55000000 GHz |
| Start 2.44000 GHz #Res BW 100 kHz | #VBW 300 kHz | | Stop 2.55000 GHz 067 ms (1001 pts) | CF Step 11.000000 MHz <u>Auto</u> Man |
| 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f | 2.460 79 GHz 4.351 dBm 2.483 50 GHz 42.239 dBm 2.500 00 GHz 43.662 dBm 2.518 87 GHz -40.870 dBm | | E | Freq Offset 0 Hz |
| 5 6 7 8 9 10 | | | | Scale Type |
| 11 | | | | |
| MSG | | STATUS | | |
| | | | | |
| | | nt1_High_2462 | | |
| 🚾 Keysight Spectrum Analyzer - Swept 🚺 R L RF 50 Ω | SA | ALIGN AUTO | 12:52:32 PM Aug 26, 2020 | |
| | SA DC SENSE:INT DOO GHZ | | 12:52:32 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P | Frequency |
| RL RF 50 Ω Center Freq 2.495000 NF NF NF 10 dB/div Ref Offset 19.75 10 dB/div Ref 20.00 dB | SA DC SENSE:INT D000 GHZ FNO: Fast ++ IFGain:Low dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 | |
| RL RF 50 Ω Center Freq 2.495000 NF Ref Offset 19.75 | SA DC SENSE:INT D000 GHZ FNO: Fast ++ IFGain:Low dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.544 28 GHz | Frequency |
| RL RF 50.0 Center Freq 2.4950000 NF Center Freq 2.495000 NF Ref Offset 19.75 Ref 20.00 dB Log And | SA DC SENSE:INT D000 GHZ FNO: Fast ++ IFGain:Low dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 4 2.544 28 GHz | Frequency Auto Tune Center Freq |
| RL RF 50.0 Center Freq 2.4950000 Ref 10 dB/div Ref Offset 19.75 10 dB/div Ref 20.00 dB 10.0 | SA DC SENSE:INT D000 GHZ FNO: Fast ++ IFGain:Low dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P P 4 2.544 28 GHz -40.459 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq |
| RL RF 50.9 Center Freq 2.495000 NF Center Freq 2.495000 NF Cog Ref Offset 19.75 10 dB/div Ref 20.00 dB 10.0 Anno 20.0 Anno 40.0 Anno 40.0 Anno 50.0 Anno | sA DOO GHZ E PRO: Fast IFGain:Low D dB m 1 4 4 4 4 4 4 4 4 4 4 4 4 4 | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE [] 2.345.6 TYPE [] 2.345.6 MWWWWW DET P P P P P 4 2.544 28 GHz -40.459 dBm DL1-26.66 dBm DL1-26.66 dBm MUT - 40.459 dBm DL1-26.66 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz Stop Freq |
| M RL RF 50.9 Center Freq 2.495000 NF Center Freq 2.495000 NF Center Freq 2.495000 NF Ref Offset 19.75 Ref 20.00 dB Control of the second secon | sA DOO GHZ E PRO: Fast IFGain:Low D dB m 1 4 4 4 4 4 4 4 4 4 4 4 4 4 | ALIGN AUTO #Avg Type: RMS Avg/Hold: 300/300 MKr | TRACE [] 2.345.6 TYPE [] 2.345.6 MWWWWW DET P P P P P 4 2.544 28 GHz -40.459 dBm DL1-26.66 dBm DL1-26.66 dBm MUT - 40.459 dBm DL1-26.66 dBm | Frequency Auto Tune Center Freq 2.495000000 GHz Start Freq 2.440000000 GHz Stop Freq 2.550000000 GHz CF Step 11.00000 MHz |
| M RL RF 50.9 Center Freq 2.495000 NF Center Freq 2.495000 NF Center Freq 2.495000 NF Ref Offset 19.75 Ref 20.00 dB Control of the second secon | SA DOOD GHZ E PNO: Fast → Trig: Free Run IFGain:Low #Atten: 30 dB m 1 1 #VBW 300 kHz #VBW 300 kHz 2.463 32 GHz 2.463 350 GHz 42.433 dBm 2.453 50 GHz 42.433 dBm 2.458 2 GHz 2.500 00 GHz 41.582 dBm | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE 12:345 6 TRACE 12:345 6 TRACE 12:50 MWWWWW DEF P P P P P 4 2:544 28 GHz -40.459 dBm 01:-26 86 dBm 01:-26 86 dBm | Frequency Auto Tune Center Freq 2.495000000 GHz Start Freq 2.440000000 GHz Stop Freq 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset 0 Hz Scale Type |
| M RL RF 50.0 Center Freq 2.495000 NF Ref Offset 19.75 Ref 20.00 dB 10 dB/div Ref 20.00 dB 10.0 Addition Addition 10.0 Addition Addition Addition 10.0 Addition Addition Addition 10.0 Addition Addition Addition 20.0 Addition Addition Addition 30.0 Addition Addition Addition 40.0 Addition Addition Addition 50.0 Addition <th< td=""><td>SA DOO GHZ E PNO: Fast → Trig: Free Run IFGain:Low #Atten: 30 dB m 1 1 #VBW 300 kHz #VBW 300 kHz 2.463 32 GHz 2.463 350 GHz 42.433 dBm 2.453 50 GHz 42.433 dBm 2.458 2 GHz 2.500 00 GHz 41.582 dBm</td><td>ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr</td><td>TRACE 12:345 6 TRACE 12:345 6 TRACE 12:50 MWWWWW DEF P P P P P 4 2:544 28 GHz -40.459 dBm 01:-26 86 dBm 01:-26 86 dBm</td><td>Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset 0 Hz</td></th<> | SA DOO GHZ E PNO: Fast → Trig: Free Run IFGain:Low #Atten: 30 dB m 1 1 #VBW 300 kHz #VBW 300 kHz 2.463 32 GHz 2.463 350 GHz 42.433 dBm 2.453 50 GHz 42.433 dBm 2.458 2 GHz 2.500 00 GHz 41.582 dBm | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr | TRACE 12:345 6 TRACE 12:345 6 TRACE 12:50 MWWWWW DEF P P P P P 4 2:544 28 GHz -40.459 dBm 01:-26 86 dBm 01:-26 86 dBm | Frequency Auto Tune Center Freq 2.49500000 GHz Start Freq 2.44000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 11.00000 MHz Auto Man Freq Offset 0 Hz |

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| | Swept SA 0 Ω DC | SENSE:INT | ALIGN AUTO | 01:00:26 PM Aug 26, 2020 | Frequency |
|---|---|--|---|---|--|
| Center Freq 2.372 | NFE PNO: Fast +++ | Trig: Free Run #Atten: 30 dB | #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P | |
| | IFGain:Low | #Atten: 30 dB | Mkr5 | 2.399 470 GHz | Auto Tune |
| Ref Offset 10 dB/div Ref 20.0 | | | | -37.646 dBm | |
| 10.0 | | The second secon | | A1 | Center Freq |
| 0.00 | | | | | 2.372500000 GHz |
| -10.0 | | | بمالسية الطوالعلوالعلوالع | all they wald on look Milely | |
| -20.0 | | | | | Start Freq |
| -30.0 | | | \wedge^3 | DL1 -28.50 (Bm | 2.300000000 GHz |
| -40.0 mounder how how have | webling and the states of the second | harmon hyperter and the second | | V | |
| -50.0 | | | | | Stop Freq |
| -60.0 | | | | | 2.445000000 GHz |
| | | | | | |
| Start 2.30000 GHz #Res BW 100 kHz | #VBW | 300 kHz | Sweep 5 | Stop 2.44500 GHz 5.333 ms (1001 pts) | CF Step 14.500000 MHz |
| MKR MODE TRC SCL | × | | JNCTION FUNCTION WIDTH | , , | <u>Auto</u> Man |
| 1 N 1 f | 2.417 015 GHz 2.400 000 GHz | 1.500 dBm -37.391 dBm | | | |
| 3 N 1 f | 2.390 000 GHz 2.310 000 GHz | -41.501 dBm -44.589 dBm | | | Freq Offset 0 Hz |
| 4 N 1 f 5 N 1 f 6 | 2.399 470 GHz | -37.646 dBm | | E | 0112 |
| 7 8 | | | | | Scale Type |
| 9 10 | | | | | Log <u>Lin</u> |
| 11 | | | | | |
| MSG | | | STATU | s | |
| | | | | | |
| | 11 | N40MIMO A | nt1 Low 2422 | | |
| Keysight Spectrum Analyzer - | Swept SA | | nt1_Low_2422 | | |
| LXIRL RF 5 | Swept SA 0 Ω DC | SENSE:INT | ALIGN AUTO | 01:08:04 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 | Frequency |
| | Swept SA 0 Ω DC | | ALIGN AUTO | 01:08:04 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P | Frequency |
| W RL RF 50 Center Freq 2.372 Ref Offset | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2.397 005 GHz | Frequency |
| MIRL RF 5 Center Freq 2.372 | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref Offset Log 10.0 | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 | TRACE 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.0 0.0 0.00 | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2.397 005 GHz | Frequency Auto Tune |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.0 -0.0 | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.372500000 GHz |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.0 0.0 0.00 | Swept SA 0 Ω DC 500000 GHz NFE PN0: Fast IFGain:Low 19.79 dB | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.37250000 GHz Start Freq |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 Log | Swept SA 0 Ω DC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 17400EJI 2 3 4 5 6 TYPE MWWWW DET P P P P P P 3 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.372500000 GHz |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 Log | Swept SA 0 Ω DC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 17400EJI 2 3 4 5 6 TYPE MWWWW DET P P P P P P 3 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 10.0 | Swept SA 0 Ω DC | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 17400EJI 2 3 4 5 6 TYPE MWWWW DET P P P P P P 3 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.37250000 GHz Start Freq |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 10.0 | Swept SA 0 Ω DC 500000 GHz NFE PNO: Fast ↔→ IFGain:Low 19.79 dB 0 dBm | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 300/300 MKr5 | 17400EJI 2 3 4 5 6 TYPE MWWWW DET P P P P P P 3 2.397 005 GHz -32.848 dBm | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq |
| RL RF St Center Freq 2.372 Ref Offset 0 dB/div Ref Offset 10 dB/div Ref 20.0 0.00 | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm Nt-10 wh-46™up,et/™up,et/mp. Nt-10 wh-46™up,et/mp. Nt-10 wh-46™up,et/mp. | SENSE:INT | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE III 2 3 4 5 6 TYPE IIII 2 3 4 5 6 TYPE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Frequency Auto Tune Center Freq 2.372500000 GHz 2.300000000 GHz 2.445000000 GHz CF Step |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 -00 | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm Multimethant/formem.jep/keps Multimethant/formem.jep/keps #VBW | SENSE:INT | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE IN UNIVERSITY OF P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.445000000 GHz |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 10.0 Ref 20.0 20.0 Ref 20.0 -40.0 Ref 20.0 -40.0 Ref 20.0 -40.0 Ref 20.0 -50.0 Ref 20.0 -60.0 Ref 20.0 -70.0 Ref 20.0 Start 2.30000 GHz Ref 20.0 #Res BW 100 kHz Ref 20.0 | Swept SA 0 Ω DC 5500000 GHz NFE PNO: Fast →→ IFGain:Low 19.79 dB 0 dBm N*U Mutation of the second s | SENSE:INT Trig: Free Run #Atten: 30 dB | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.445000000 GHz CF Step 14.500000 MHz |
| RL RF St Center Freq 2.372 Ref Offset 10 dB/div Ref 20.0 10.0 Ref 20.0 20.0 Ref 20.0 -40.0 Ref 20.0 -40.0 Ref 20.0 -40.0 Ref 20.0 -50.0 Ref 20.0 -60.0 Ref 20.0 -70.0 Ref 20.0 Start 2.30000 GHz Ref 20.0 #Res BW 100 kHz Ref 20.0 | Swept SA 0 Ω DC 500000 GHz NFE PNO: Fast ↔ IFGain:Low 19.79 dB 0 dBm Mult Arce/Loot/Comment/let/Mpro #VBW 2.419 480 GHz 2.400 000 GHz | SENSE:INT Trig: Free Run #Atten: 30 dB 300 kHz 300 kHz 1.223 dBm | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.44500000 GHz CF Step 14.500000 MHz Auto Man Freq Offset |
| RL RF St Center Freq 2.372 Ref Offset 0 dB/div Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.0 0 dB/div Ref 20.0 -0.0 | Swept SA 0 Ω DC Image: Solution of the solution of t | SENSE:INT | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.30000000 GHz Stop Freq 2.44500000 GHz CF Step 14.500000 MHz Auto Man |
| RL RF St Center Freq 2.372 Ref Offset 0 dB/div Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.0 0 dB/div Ref 20.0 -0.0 | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm //: | SENSE:INT Trig: Free Run #Atten: 30 dB #Atten: 30 dB | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz CF Step 14.500000 GHz Auto Man Freq Offset 0 Hz |
| RL RF St Center Freq 2.372 Ref Offset Log Ref Offset 10.0 Ref 20.0 20.0 Ref 20.0 30.0 Ref 20.0 <td>Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm //:</td> <td>SENSE:INT Trig: Free Run #Atten: 30 dB #Atten: 30 dB</td> <td>ALIGN AUTO</td> <td>TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts)</td> <td>Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.44500000 GHz CF Step 14.500000 MHz Auto Man Freq Offset</td> | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm //: | SENSE:INT Trig: Free Run #Atten: 30 dB #Atten: 30 dB | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.44500000 GHz CF Step 14.500000 MHz Auto Man Freq Offset |
| XI RF St Center Freq 2.372 Ref Offset O dB/div Ref Offset Log Ref Offset 10 dB/div Ref 20.0 0.00 Ref 300 -10.0 | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm //: | SENSE:INT Trig: Free Run #Atten: 30 dB #Atten: 30 dB | ALIGN AUTO | TRACE II 2 3 4 5 6 TYPE II 2 3 4 5 6 TYPE II WUMMUN DET P P P P P P 5 2.397 005 GHz -32.848 dBm 011-28.78 dBm 011-28.78 dBm 011-28.78 dBm Stop 2.44500 GHz .333 ms (1001 pts) | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz CF Step 14.500000 GHz Auto Man Freq Offset 0 Hz |
| RL RF St Center Freq 2.372 Ref Offset 0.00 Ref 20.0 10.0 Ref 20.0 -20.0 | Swept SA 0 Ω DC 500000 GHz IFGain:Low 19.79 dB 0 dBm //: | SENSE:INT Trig: Free Run #Atten: 30 dB #Atten: 30 dB | ALIGN AUTO | TRACE ID 23 4.5 6 TYPE IN WWWW DET P P P P P P 5 2.397 005 GHz -32.848 dBm 01 01 01 01 01 01 01 01 01 01 | Frequency Auto Tune Center Freq 2.372500000 GHz Start Freq 2.300000000 GHz Stop Freq 2.44500000 GHz CF Step 14.500000 MHz Auto Man Freq Offset 0 Hz Scale Type |

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| Keysight Spectrum Analyzer - Swept RL RF 50 Ω | DC SENSE:INT | ALIGN AUTO 01:41: | 9 PM Aug 26, 2020 RACE 12, 2, 4, 5, 6 Frequency |
|---|--|--|--|
| Center Freq 2.487500 | E PNO: Fast +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 300/300 | RACE 1 2 3 4 5 6 TYPE WWWWW DET P P P P P P |
| D. 6 0 7 | | Mkr4 2.488 | Auto Tupo |
| Ref Offset 19.79 10 dB/div Ref 20.00 dB | | | 471 dBm |
| 10.0 | 1 | | Center Freq |
| 0.00 | | | 2.487500000 GHz |
| -10.0 -10.0 | pertolitation | | |
| -20.0 | | | Start Freq |
| -30.0 | | 3 | DL1 -30.26 dBm 2.425000000 GHz |
| -40.0 -50.0 | har have been aller with | man with a read soft some the soft and | manutation |
| -60.0 | | | Stop Freq |
| -70.0 | | | 2.550000000 GHz |
| Start 2.42500 GHz | | Stop 2 | .55000 GHz CF Step |
| #Res BW 100 kHz | #VBW 300 kHz | Sweep 4.600 m | s (1001 pts) 12.500000 MHz |
| MKR MODE TRC SCL | | FUNCTION FUNCTION WIDTH FUN | |
| 2 N 1 f | 2.455 750 GHz -0.258 dBm 2.483 500 GHz -40.585 dBm 2.500 000 GHz -43.004 dBm | | Freq Offset |
| 3 N 1 f 4 N 1 f 5 | 2.488 000 GHz -43.004 dBm 2.488 000 GHz -39.471 dBm | | 0 Hz |
| 6 7 | | | |
| 8 | | | Scale Type |
| 10 11 | | | Log <u>Lin</u> |
| | | | 4 |
| MSG | | STATUS | |
| | | Ant1_High_2452 | |
| Keysight Spectrum Analyzer - Swept μ RL RF 50 Ω | DC SENSE:INT | ALIGN AUTO 01:51: | 2 PM Aug 26, 2020 RACE 12, 2, 4, 5, 6 Frequency |
| Center Freq 2.487500 | E PNO: Fast +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 300/300 | RACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P |
| | | Mkr4 2.484 | Auto Tupo |
| |)dB | | |
| Ref Offset 19.79 10 dB/div Ref 20.00 dB | | | 970 dBm |
| | | | |
| 10 dB/div Ref 20.00 dB | | | 970 dBm Center Freq 2.48750000 GHz |
| 10 dB/div Ref 20.00 dB | | | Center Freq |
| 10.0 dB/div Ref 20.00 dB | | | Center Freq 2.487500000 GHz Start Freq |
| 10 dB/div Ref 20.00 dB | | | Center Freq 2.487500000 GHz |
| 10.0 dB/div Ref 20.00 dB | | | Center Freq 2.487500000 GHz DL1 - 30.91 dBm 2.425000000 GHz |
| 10 dB/div Ref 20.00 dB | | -36 | Center Freq 2.487500000 GHz 0.1 -30 91 dBm 2.425000000 GHz 2.425000000 GHz Start Freq 2.425000000 GHz Start Freq Start Freq |
| 10 dB/div Ref 20.00 dB | | -36 | Center Freq 2.487500000 GHz DL1 -30.91 dBn 2.425000000 GHz |
| 10 dB/div Ref 20.00 dB 10.0 | | -36 | Center Freq 2.487500000 GHz 0L1-30 91 dbm Start Freq 2.425000000 GHz Stop Freq 2.55000 GHz |
| 10 dB/div Ref 20.00 dB 10.0 | m | -36 | Center Freq 2.487500000 GHz 2.42500000 GHz 2.42500000 GHz 2.425000000 GHz Stop Freq 2.55000 GHz Stop CF Step 12.5000000 MHz Auto Mar |
| 10 dB/div Ref 20.00 dB 10.0 | m ++++++++++++++++++++++++++++++++++++ | -36 | Center Freq 2.487500000 GHz 0L1-30 91 dbm Start Freq 2.425000000 GHz Stop Freq 2.55000 GHz |
| Image: Non-State interview Ref 20.00 dB 10.0 | m #VBW 300 kHz 2.457 000 GHz 2.453 500 GHz 42.393 dBm 42.380 dBm | -36 | Center Freq 2.487500000 GHz 2.42500000 GHz 2.42500000 GHz 2.425000000 GHz Stop Freq 2.55000 GHz Stop CF Step 12.5000000 MHz Auto Mar |
| Image: Non-State interview Ref 20.00 dB 10.0 | m ++++++++++++++++++++++++++++++++++++ | -36 | Center Freq 2.487500000 GHz 2.487500000 GHz 2.425000000 GHz 2.425000000 GHz 2.55000 GHz 55000 GHz 55000 GHz CF Step 12.500000 MHz Auto |
| 10 dB/div Ref 20.00 dB 10.0 | m #VBW 300 kHz 2.457 000 GHz 2.453 500 GHz 42.393 dBm 42.380 dBm | -36 | Center Freq 2.487500000 GHz 2.42500000 GHz 2.42500000 GHz 2.42500000 GHz 2.55000 GHz 55000 GHz CF Step 12.500000 MHz Auto Freq Offset 0 Hz |
| 10 dB/div Ref 20.00 dB 0.0 | m #VBW 300 kHz 2.457 000 GHz 2.453 500 GHz 42.393 dBm 42.380 dBm | -36 | Center Freq 2.487500000 GHz Start Freq 2.425000000 GHz Stop Freq 2.55000 GHz Stop Freq 2.550000 GHz Stop Freq 2.550000 GHz Group freq Stop Freq Stop Freq Stop Of Stop Freq Offset |
| 10 dB/div Ref 20.00 dB 10.0 | m #VBW 300 kHz 2.457 000 GHz 2.453 500 GHz 42.393 dBm 42.380 dBm | -36 | Center Freq 2.487500000 GHz 2.42500000 GHz 2.42500000 GHz 2.42500000 GHz 2.55000 GHz 55000 GHz CF Step 12.500000 MHz Auto Freq Offset 0 Hz |
| 10 dB/div Ref 20.00 dB 10.0 | m #VBW 300 kHz 2.457 000 GHz 2.453 500 GHz 42.393 dBm 42.380 dBm | -36 | Center Freq 2.487500000 GHz 2.487500000 GHz Start Freq 2.425000000 GHz Stop Freq 2.55000 GHz Stop Freq 2.55000 GHz Stop Freq 2.55000 GHz Freq Offset Grade Scale Type |



APPENDIX G: CONDUCTED SPURIOUS EMISSION

Test Result

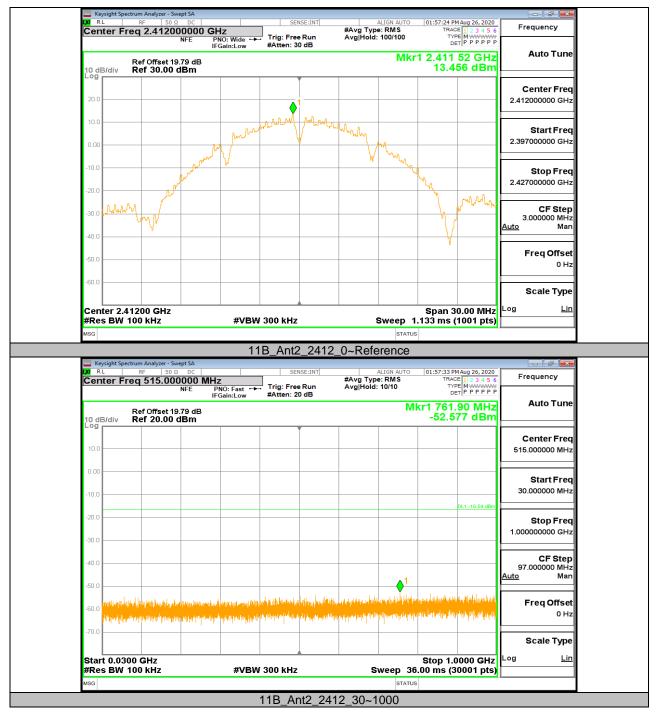
| Test Mode | Antenna | Channel | Freq Range [Mhz] | Ref Level [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|---------------------|--------------------|-----------------|----------------|---------|
| | | | Reference | 13.46 | 13.46 | | PASS |
| | | 2412 | 30~1000 | | -52.577 | <=-16.544 | PASS |
| | | | 1000~26500 | | -43.469 | <=-16.544 | PASS |
| | | | Reference | 12.50 | 12.50 | | PASS |
| 11B | Ant2 | 2437 | 30~1000 | | -53.725 | <=-17.504 | PASS |
| | | | 1000~26500 | | -44.533 | <=-17.504 | PASS |
| | | | Reference | 11.59 | 11.59 | | PASS |
| | | 2462 | 30~1000 | | -52.254 | <=-18.407 | PASS |
| | | | 1000~26500 | | -43.218 | <=-18.407 | PASS |
| | | | Reference | 8.10 | 8.10 | | PASS |
| | | 2412 | 30~1000 | | -53.753 | <=-21.899 | PASS |
| | | | 1000~26500 | | -44.493 | <=-21.899 | PASS |
| | | | Reference | 7.55 | 7.55 | | PASS |
| 11G | Ant2 | 2437 | 30~1000 | | -53.653 | <=-22.452 | PASS |
| | | | 1000~26500 | | -44.151 | <=-22.452 | PASS |
| | | | Reference | 8.29 | 8.29 | | PASS |
| | | 2462 | 30~1000 | | -53.106 | <=-21.708 | PASS |
| | | | 1000~26500 | | -44.285 | <=-21.708 | PASS |
| | | | Reference | 5.21 | 5.21 | | PASS |
| | Ant1 | 2412 | 30~1000 | | -52.939 | <=-24.789 | PASS |
| | | | 1000~26500 | | -45.013 | <=-24.789 | PASS |
| | | | Reference | 7.15 | 7.15 | | PASS |
| | Ant2 | 2412 | 30~1000 | | -52.84 | <=-22.846 | PASS |
| | | | 1000~26500 | | -43.716 | <=-22.846 | PASS |
| | | | Reference | 6.10 | 6.10 | | PASS |
| | Ant1 | 2437 | 30~1000 | | -53.768 | <=-23.901 | PASS |
| 11N20MIMO | | | 1000~26500 | | -44.678 | <=-23.901 | PASS |
| | | | Reference | 6.62 | 6.62 | | PASS |
| | Ant2 | 2437 | 30~1000 | | -52.155 | <=-23.376 | PASS |
| | | | 1000~26500 | | -44.452 | <=-23.376 | PASS |
| | | | Reference | 3.35 | 3.35 | | PASS |
| | Ant1 | 2462 | 30~1000 | | -52.558 | <=-26.653 | PASS |
| | | | 1000~26500 | | -44.547 | <=-26.653 | PASS |
| | | | Reference | 3.17 | 3.17 | | PASS |
| | Ant2 | 2462 | 30~1000 | | -53.369 | <=-26.831 | PASS |
| | | | 1000~26500 | | -43.919 | <=-26.831 | PASS |
| | | | Reference | 1.03 | 1.03 | | PASS |
| | Ant1 | 2422 | 30~1000 | | -52.593 | <=-28.97 | PASS |
| | | | 1000~26500 | | -43.935 | <=-28.97 | PASS |
| | | | Reference | 1.35 | 1.35 | | PASS |
| | Ant2 | 2422 | 30~1000 | | -52.588 | <=-28.652 | PASS |
| | | | 1000~26500 | | -44.518 | <=-28.652 | PASS |
| | | | Reference | 1.39 | 1.39 | | PASS |
| | Ant1 | 2437 | 30~1000 | | -52.824 | <=-28.611 | PASS |
| | | | 1000~26500 | | -43.853 | <=-28.611 | PASS |
| 11N40MIMO | | | Reference | 0.90 | 0.90 | | PASS |
| | Ant2 | 2437 | 30~1000 | | -53.162 | <=-29.099 | PASS |
| | - | - | 1000~26500 | | -43.641 | <=-29.099 | PASS |
| | | | Reference | -0.12 | -0.12 | | PASS |
| | Ant1 | 2452 | 30~1000 | | -53.161 | <=-30.12 | PASS |
| | | | 1000~26500 | | -44.189 | <=-30.12 | PASS |
| | | | Reference | -0.24 | -0.24 | | PASS |
| | Ant2 | 2452 | 30~1000 | | -52.557 | <=-30.237 | PASS |
| | | | 1000~26500 | | -44.315 | <=-30.237 | PASS |



Note: For 802.11b & g modes, both antennas had been tested, only the worst data was recorded in the report.



Test Graphs



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| Keysight Spectrum Analyzer - Swept SA RL RF 50 Ω DC Center Freq 13.750000000 NFE | SENSE:INT) GHz PNO: Fast ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 01:58:00 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW | Frequency |
|--|---|---|---|--|
| Ref Offset 19.79 dB 10 dB/div Ref 20.00 dBm | IFGain:Low #Atten: 20 dB | Mkr1 | 25.944 95 GHz -43.469 dBm | Auto Tune |
| 10.0 | | | | Center Freq 13.750000000 GHz |
| -10.0 | | | | Start Freq 1.000000000 GHz |
| -20.0 | | | DL1 -16.54 dBm | Stop Freq 26.50000000 GHz |
| -40.0 | | | 1 | CF Step 2.550000000 GHz <u>Auto</u> Man |
| -50.0 | n a su ha na ha An ha na h | | | Freq Offset 0 Hz |
| -70.0 | | | | Scale Type |
| Start 1.00 GHz #Res BW 100 kHz ^{MSG} | #VBW 300 kHz | Sweep 93 | Stop 26.50 GHz 8.0 ms (30001 pts) | |
| | 11B_Ant2_241 | 2_1000~26500 | | |
| Keysight Spectrum Analyzer - Swept SA RL RF 50 Ω DC Center Freq 2.437000000 NFE | PNO: Wide | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 02:00:39 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| Ref Offset 19.79 dB | IFGain:Low #Atten: 30 dB | | | Auto Tuno |
| 10 dB/div Ref 30.00 dBm | | Mkr | 1 2.435 50 GHz 12.496 dBm | Auto Tune |
| | 1 | | | Center Freq 2.437000000 GHz |
| Log | man Milling much | Mkr | | Center Freq |
| 20.0 10.0 -10.0 | man Milling much | | 12.496 dBm | Center Freq 2.437000000 GHz Start Freq |
| 20.0 10.0 0.00 | MANAMAN Mun | | 12.496 dBm | Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz Stop Freq |
| 20.0 10.0 -10.0 -20.0 -20.0 | | | 12.496 dBm | Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz 2.45200000 GHz 2.45200000 GHz CF Step 3.00000 MHz |
| Log 20.0 10.0 0.00 -10.0 -20.0 -30.0 -40.0 | | | 12.496 dBm | Center Freq 2.437000000 GHz Start Freq 2.422000000 GHz 2.452000000 GHz 2.452000000 GHz 3.00000 MHz Auto Man |

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| Center Freq 515. | | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:00:47 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW | Frequency |
|---|---|---|--|---|--|
| 10 dB/div Ref 20.0 | NFE PNO: Fast IFGain:Low t 19.79 dB 00 dBm | #Atten: 20 dB | | kr1 844.96 MHz -53.725 dBm | Auto Tune |
| 10.0 | | | | | Center Freq 515.000000 MHz |
| -10.0 | | | | | Start Freq 30.000000 MHz |
| -20.0 | | | | DL1 -17.50 dBm | Stop Freq 1.000000000 GHz |
| -40.0 | | | | | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 -60.0 Heat Homesteld of Marine | ng bian ang ting sa strip kang strip si ta part Ali panting dan akila akayakin ditan | no plantski kan de k | sy de vielen og det en forste som det for De vielen det generation og det forste som det generation og det generation og det generation og det generation | n la superior de la company de la company La partici a plateta de la company de la c | Freq Offset 0 Hz |
| -70.0 Start 0.0300 GHz | The law of the second | | | Stop 1.0000 GHz | Scale Type |
| #Res BW 100 kHz | #VE | 300 kHz | Sweep 30 | 6.00 ms (30001 pts) | |
| | | 11B Ant2 24 | | s | |
| | - Swept SA | 11B_Ant2_24 | 437_30~1000 | 5 | |
| Keysight Spectrum Analyzer | 50 Ω DC | SENSE:INT | | 02:01:15 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P F | Frequency |
| Keysight Spectrum Analyzer WRL RF Center Freq 13.7 Ref Offse 10 dB/div Ref 20.0 | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:01:15 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MINIMAN | Frequency Auto Tune |
| Keysight Spectrum Analyzer WRLRF Center Freq 13.7 Ref Offse | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:01:15 PM Aug 26, 2020 TRACE [] 23 4 5 6 TYPE M WWWW DET P P P P P P 23.932 15 GHz | Frequency Auto Tune |
| Keysight Spectrum Analyzer | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:01:15 PM Aug 26, 2020 TRACE [] 23 4 5 6 TYPE M WWWW DET P P P P P P 23.932 15 GHz | Frequency Auto Tune Center Freq |
| Keysight Spectrum Analyzer M RL RF Center Freq 13.7' Center Freq 13.7' Ref Offse 10 dB/div Ref 20.0 .00 .00 .00 .00 .00 .00 | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:01:15 PM Aug 26, 2020 TRACE [] 23 4 5 6 TYPE M WWWW DET P P P P P P 23.932 15 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq |
| Keysight Spectrum Analyzer W RL RF Center Freq 13.75 | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 Mkr1 | 02:01:15 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET/P P P P P F 23.932 15 GHz -44.533 dBm DL1-17:50 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| Keysight Spectrum Analyzer RL RF Center Freq 13.73 Ref Offse Ref Offse Ref 20.0 | 50 Ω DC 50000000 GHz NFE PNO: Fast IFGain:Low t 19.79 dB | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:01:15 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET/P P P P P F 23.932 15 GHz -44.533 dBm DL1-17:50 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz 1.00000000 GHz Start Freq 26.50000000 GHz 2.55000000 GHz Auto Freq Offset |
| Keysight Spectrum Analyzer Xer RF Center Freq 13.79 Code/code Ref Offse 10 dB/div Ref 20.0 10.0 | 50 Q DC | SENSE:INT | 437_30~1000 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 Mkr1 | 02:01:15 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET/P P P P P F 23.932 15 GHz -44.533 dBm DL1-17:50 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz Auto Man |

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| Center Freq 13.750000 | SENSE:INT | ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 02:13:48 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M | Frequency |
|--|---|---|---|---|
| NFE | IFGain:Low #Atten: 20 dB | | 25.915 20 GHz | Auto Tune |
| Ref Offset 19.79 10 dB/div Ref 20.00 dBn | סג 1 | | -43.218 dBm | |
| 10.0 | | | | Center Freq 13.75000000 GHz |
| 0.00 | | | | Start Freq |
| -10.0 | | | DL1 -18.41 dBm | 1.00000000 GHz |
| -30.0 | | | | Stop Freq 26.50000000 GHz |
| -40.0 | | | | CF Step 2.55000000 GHz |
| | and any second secon | In the second | | <u>Auto</u> Man |
| -60.0 | ette ete bild din die | | | Freq Offset 0 Hz |
| -70.0 | | | | Scale Type |
| Start 1.00 GHz #Res BW 100 kHz | #VBW 300 kHz | Sween 93 | Stop 26.50 GHz 8.0 ms (30001 pts) | Log <u>Lin</u> |
| MSG | #*BW 500 KH2 | STATUS | | |
| | 11B_Ant2_246 | 2_1000~26500 | | |
| 🔤 Keysight Spectrum Analyzer - Swept SA | | | | |
| LX/ RL RF 50 Ω D | SENSE:INT | ALIGN AUTO | 02:17:35 PM Aug 26, 2020 | |
| | OO GHZ | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| 02 RL RF 50 Ω DO Center Freq 2.4120000 NFE Ref Offset 19.79 f 10 dB/div Ref 30.00 dBn | E SENSE:INT PRO: Wide ← Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE M WWWWW | |
| 22 RL RF 50 Ω DA Center Freq 2.4120000 NFE Ref Offset 19.79 0 | E SENSE:INT PRO: Wide ← Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.414 49 GHz | Frequency |
| XII RF 50 0 DO Center Freq 2.41200000 Ref 000 NFE NFE 10 dB/div Ref 0ffset 19.79 NE 20 0 | E SENSE:INT PRO: Wide ← Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.414 49 GHz | Frequency Auto Tune Center Freq |
| XX RL RF 50 Ω DO Center Freq 2.4120000 Ref 0ffset 19.79 Ref 0ffset 19.79 Ref 30.00 dBn Log 20.0 0 0 0 0 0 10.0 0.00 0 0 0 0 0 0 -10.0 <td>B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n</td> <td>#Avg Type: RMS Avg Hold: 100/100 Mkr</td> <td>TRACE 11.2.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P.P 1 2.414 49 GHz 8.101 dBm</td> <td>Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq</td> | B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 11.2.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P.P 1 2.414 49 GHz 8.101 dBm | Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq |
| RL RF 50 Ω DC Center Freq 2.4120000 NFE 0 B/div Ref Offset 19.79 20.0 | B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.414 49 GHz | Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq 2.39700000 GHz Stop Freq |
| RL RF 50 0.2 Dt Center Freq 2.4120000 NFE 10 dB/div Ref Offset 19.79 dt 20.0 | B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 11.2.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P.P 1 2.414 49 GHz 8.101 dBm | Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.427000000 GHz CF Step 3.000000 MHz Auto |
| Yul RF 500 DC Center Freq 2.4120000 NFE 0 Ref Offset 19.79 / Ref 30.00 dBm 20.0 Ref 30.00 dBm 10.0 | B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 11.2.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P.P 1 2.414 49 GHz 8.101 dBm | Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.427000000 GHz CF Step 3.000000 MHz |
| XM RF 50 0 DV Center Freq 2.4120000 NFE 10 dB/div Ref Offset 19.79 20.0 | B SENSE:INT OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB dB n | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 11.2.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P.P 1 2.414 49 GHz 8.101 dBm | Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.427000000 GHz Stop Freq 3.000000 MHz Auto Man Freq Offset Scale Type |

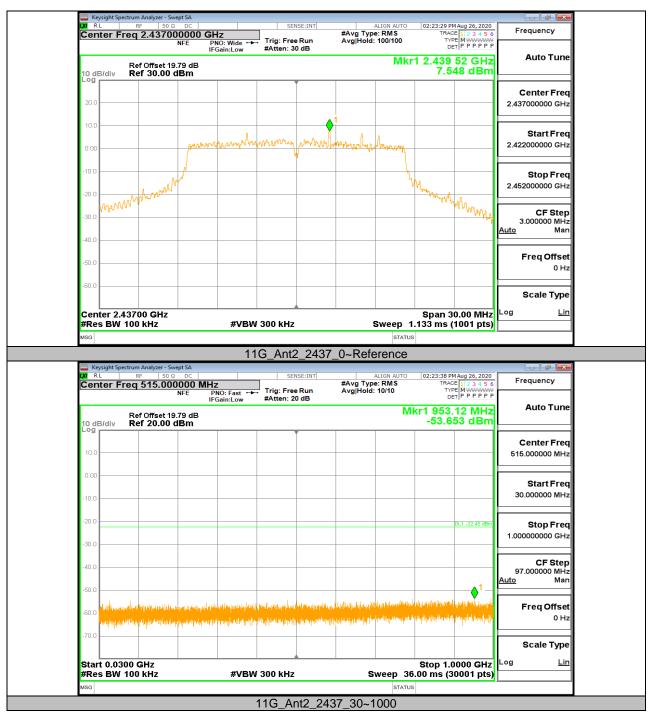
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| | DC SENSI | #Avg Type: RMS | 02:17:43 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
|--|--|--|--|---|
| Ref Offset 19 10 dB/div Ref 20.00 (| NFE PNO: Fast ↔ Trig: Free F IFGain:Low #Atten: 20 (.79 dB | IB | Ikr1 862.94 MHz -53.753 dBm | Auto Tune |
| | | | | Center Freq 515.000000 MHz |
| -10.0 | | | | Start Freq 30.000000 MHz |
| -20.0 | | | DL1 -21.90 dBm | Stop Freq 1.000000000 GHz |
| -40.0 | | | | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 -60.0 | en fontek na fontarjedna fon det generaler fon de menster kan meljeden ber generaler fon de fongen en generaler og ander som de fondeligen og efter stater og e | e Alman mang patri ky siy mitang mang sa dina di kata ka fi kita ta sa Nana kata kati ng mang sa mang sa mang mang kata kata kata kata kata kata kata kat | is a proving the Party of Spy All Spy All States (s. 1911 - Jahren Arferda, Kala, Jahler All States (s. 1916) | Freq Offset 0 Hz |
| -70.0 | | | | Scale Type |
| Start 0.0300 GHz #Res BW 100 kHz | #VBW 300 kHz | • | 6.00 ms (30001 pts) | Log <u>Lin</u> |
| MSG | 11G Ant | STATU 2 2412 30~1000 | 2L | |
| Keysight Spectrum Analyzer - Sw | ept SA | | | |
| RL RF 50 Ω Center Freq 13.7500 | | | 02:18:11 PM Aug 26, 2020 | Energy and and |
| | NFE PNO: Fast +++ Trig: Free F | | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P | Frequency |
| Ref Offset 19 10 dB/div Ref 20.00 (| NFE PNO: Fast + Irig: Free FIFGain:Low #Atten: 20 o | tun Avg Hold: 10/10 iB | тяасе 1 2 3 4 5 6 туре М ЖЖЖЖ рет Р Р Р Р Р Р 1 26.191 45 GHz -44.493 dBm | Auto Tune |
| Ref Offset 19 | NFE PNO: Fast + Irig: Free FIFGain:Low #Atten: 20 o | tun Avg Hold: 10/10 iB | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P 1 26.191 45 GHz | |
| Ref Offset 19 10 dB/div Ref 20.00 d | NFE PNO: Fast + Irig: Free FIFGain:Low #Atten: 20 o | tun Avg Hold: 10/10 iB | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P 1 26.191 45 GHz | Auto Tune Center Freq |
| Ref Offset 19 10 dB/div Ref 20.00 c 10.0 0.00 | NFE PNO: Fast + Irig: Free FIFGain:Low #Atten: 20 o | tun Avg Hold: 10/10 iB | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P 1 26.191 45 GHz | Auto Tune Center Freq 13.75000000 GHz Start Freq |
| Bef Offset 19 Ref 20.00 c 10.0 | NFE PNO: Fast \rightarrow If g: Free F IFGain:Low #Atten: 20 d 79 dB IBm | tun Avg Hold: 10/10 IB Mkr' | TRACE 1 23 4 5 6 TYPE M WWWW DET P P P P P 1 26.191 45 GHz -44.493 dBm DLT -21.90 NBM | Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq |
| Bef Offset 19 Ref 20.00 c 10.0 | NFE PNO: Fast \rightarrow If g: Free F IFGain:Low #Atten: 20 d 79 dB IBm | tun Avg Hold: 10/10 iB | TRACE 1 23 4 5 6 TYPE M WWWW DET P P P P P 1 26.191 45 GHz -44.493 dBm DLT -21.90 NBM | Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| 10.0 Ref Offset 19 10.0 | NFE PNO: Fast \rightarrow If g: Free F IFGain:Low #Atten: 20 d 79 dB IBm | tun Avg Hold: 10/10 IB Mkr' | TRACE 1 23 4 5 6 TYPE M WWWW DET P P P P P 1 26.191 45 GHz -44.493 dBm DLT -21.90 NBM | Auto Tune |

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| Center Freq 13.750000 | 000 GHz | #Avg Type: RMS | 2:24:06 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 | Frequency |
|--|---|--|---|--|
| NFE Ref Offset 19.79 d | PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 20 dB | | TYPE MWWWW DET P P P P P P | Auto Tune |
| 10 dB/div Ref 20.00 dBm | | • | -44.151 dBm | |
| 10.0 | | | | Center Freq 13.75000000 GHz |
| -10.0 | | | | Start Freq 1.000000000 GHz |
| -20.0 | | | DL1 -22.45 dBm | Stop Freq |
| -30.0 | | | | 26.50000000 GHz |
| -40.0 | | | in the set of the set | CF Step 2.550000000 GHz <u>Auto</u> Man |
| -50.0 | alagana da ang ang ang ang ang ang ang ang ang an | | | Freq Offset |
| -70.0 | | | | Scale Type |
| Start 1.00 GHz | #VBW 300 kHz | | Stop 26.50 GHz | Log <u>Lin</u> |
| #Res BW 100 kHz | #VBW 300 KHZ | Sweep 938.0 | ms (30001 pts) | |
| | 11G_Ant2_243 | 7 1000~26500 | | |
| | | _1000 _0000 | | |
| Keysight Spectrum Analyzer - Swept SA | SENSE:INT | | 2:29:43 PM Aug 26, 2020 | |
| Keysight Spectrum Analyzer - Swept SA Karley RL RF 50 Ω DC Center Freq 2.46200000 NFE | PNO: Wide +++ Trig: Free Run | | 2:29:43 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| 02 RL RF 50 Ω DC Center Freq 2.46200000 NFE Ref Offset 19.79 d 10 dB/div Ref 30.00 dBm | DO GHz PNO: Wide →→→ IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 | [|
| 22 RL RF 50Ω DC Center Freq 2.46200000 NFE Ref Offset 19.79 d | DO GHz PNO: Wide →→→ IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P | Frequency |
| Ref 50 Ω DC Center Freq 2.46200000 NFE Ref Offset 19.79 d 10 dB/div Ref 30.00 dBm 20.0 10.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P | Frequency Auto Tune Center Freq |
| RL RF 50.0 DC Center Freq 2.46200000 NFE NFE 10 dB/div Ref Offset 19.79 d 0.00 dBm 20.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | 1742E [1:3456] 1749E WWWWW DET PPPPPP 2.46077 GHz 8.292 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq |
| RL RF 50.0 DC Center Freq 2.46200000 NFE NFE NFE 10 dB/div Ref Offset 19.79 d 20.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.447000000 GHz Stop Freq |
| RL RF 50.0 DC Center Freq 2.46200000 NFE 10 dB/div Ref Offset 19.79 d 20.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | 1742E [1:3456] 1749E WWWWW DET PPPPPP 2.46077 GHz 8.292 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.44700000 GHz 2.44700000 GHz CF Step 3.00000 MHz Auto Man |
| RL RF 50.0 DC Center Freq 2.46200000 NFE 10 B/div Ref Offset 19.79 d 20.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | 1742E [1:3456] 1749E WWWWW DET PPPPPP 2.46077 GHz 8.292 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.447000000 GHz Stop Freq 2.477000000 GHz CF Step 3.00000 MHz |
| KL RF 50 0 DC Center Freq 2.462000000 NFE NFE 10 dB/div Ref Offset 19.79 d 0.00 dBm 20.0 | DO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B | ALIGN AUTO 02 #Avg Type: RMS Avg Hold: 100/100 Mkr1 2 | 1742E [1:3456] 1749E WWWWW DET PPPPPP 2.46077 GHz 8.292 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.447000000 GHz Stop Freq 2.447000000 GHz Stop Freq 2.477000000 GHz Stop Freq 3.000000 MHz Auto Man Freq Offset Scale Type |

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| | er - Swept SA 50 Ω DC | SE | ENSE:INT | | SN AUTO | 02:29:51 PM | 1 Aug 26, 2020 | Frequency |
|--|--|--|---|--------------------------------------|-------------------------------------|--|--|---|
| Center Freq 515 | NFE PNO |): Fast ↔ Trig: Fre in:Low #Atten: 2 | ee Run 20 dB | #Avg Type: R Avg Hold: 10 | | TRAC TYP DE | E 1 2 3 4 5 6 E M WWW T P P P P P P | |
| 10 dB/div Ref 20 | et 19.79 dB .00 dBm | | | | M | | 38 MHz 06 dBm | Auto Tune |
| 10.0 | | | | | | | | Center Freq 515.000000 MHz |
| 0.00 | | | | | | | | 515.000000 MHz |
| -10.0 | | | | | | | | Start Freq 30.000000 MHz |
| -20.0 | | | | | | | DL1 -21.71 dBm | Stop Freq |
| -30.0 | | | | | | | | 1.000000000 GHz |
| -40.0 | | | | | • 1 | | | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 | Here and the second | hartantelander bereite | h nabah lan | anu ang dana | and a second | ullippoord | dahada asa | Freq Offset |
| -70.0 | ng Manuha Kaydada (Alaayaan a indoar) | den for an | ir mei het i | Mand Malatin Roll and | ավալիդ | an dalar | an a | 0 Hz |
| Start 0.0300 GHz | | | | | | | 000 GHz | Scale Type |
| #Res BW 100 kHz | | #VBW 300 kHz | Z | Swe | status | | 0001 pts) | |
| | | | | | | | | |
| | | 11G_A | nt2_24 | 62_30~100 | | | | |
| Keysight Spectrum Analyz | ter - Swept SA 50 Ω DC | | nt2_24 | ALIG | 00 SN AUTO | 02:30:19 PM | 1 Aug 26, 2020 | |
| | 50 Ω DC 750000000 GH NFE PNO | SE | ENSE:INT | | 00 | TRAC TYP | 1Aug 26, 2020 E 1 2 3 4 5 6 E M WWWW T P P P P P P | Frequency |
| Center Freq 13.7 Center Freq 13.7 Ref Offs 10 dB/div Ref 20 | 50 Ω DC 750000000 GH NFE PNO | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT | ALIG #Avg Type: R Avg Hold: 10 | OO SN AUTO RM S V10 | TRAC TYP DE 25.572 | E 1 2 3 4 5 6 E M WWWW | [|
| Center Freq 13.7 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT | ALIG #Avg Type: R Avg Hold: 10 | OO SN AUTO RM S V10 | TRAC TYP DE 25.572 | E 1 2 3 4 5 6 E MWWWWW P P P P P P P 65 GHz | Frequency |
| Center Freq 13.7 Center Freq 13.7 10 dB/div Ref 20 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT | ALIG #Avg Type: R Avg Hold: 10 | OO SN AUTO RM S V10 | TRAC TYP DE 25.572 | E 1 2 3 4 5 6 E MWWWWW P P P P P P P 65 GHz | Frequency Auto Tune Center Freq |
| 20 RL RF Center Freq 13.7 10 dB/div Ref Offs 10.0 10.0 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT | ALIG #Avg Type: R Avg Hold: 10 | OO SN AUTO RM S V10 | TRAC TYP DE 25.572 | E 1 2 3 4 5 6 E MWWWWW P P P P P P P 65 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq |
| XM RF Center Freq 13.7 Center Freq 13.7 0 dB/div Ref Offs 10.0 -0.0 -10.0 -20.0 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT se Run 20 dB | #Avg Type: R Avg Hold: 10 | 00 SN AUTO RMS V10 Mkr1 | 25.572 -44.2 | EI 2 2 4 5 6 6 MWWWWW TP P P P P P 65 GHz 85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| XY RL RF Center Freq 13.7 Center Freq 13.7 10.0 Ref Offs 10.0 Ref 20 -10.0 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT se Run 20 dB | ALIG #Avg Type: R Avg Hold: 10 | 00 SN AUTO RMS V10 Mkr1 | 25.572 -44.2 | EI 2 2 4 5 6 6 MWWWWW TP P P P P P 65 GHz 85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.55000000 GHz Auto |
| XX RF Center Freq 13.7 10 dB/div 10.0 10.0 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT se Run 20 dB | #Avg Type: R Avg Hold: 10 | 00 SN AUTO RMS V10 Mkr1 | 25.572 -44.2 | EI 2 2 4 5 6 6 MWWWWW TP P P P P P 65 GHz 85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| XX RL RF Center Freq 13.7 Ref Offs 10.0 Ref 20 10.0 Ref 20 -0.0 Ref 20 -10.0 Ref 20 -20.0 Ref 20 -30.0 Ref 20 -40.0 Ref 20 | 50 Ω DC 750000000 GH NFE PNO IFGai set 19.79 dB | SE IZ D: Fast ↔ Trig: Fre | ENSE:INT se Run 20 dB | #Avg Type: R Avg Hold: 10 | 00 SN AUTO RMS V10 Mkr1 | TRAC TRAC DE 25.572 -44.21 | EI 2 2 4 5 6 6 MWWWWW TP P P P P P 65 GHz 85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz 2.550000000 GHz Auto Man Freq Offset 0 Hz Scale Type |

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| K RL | pectrum Analyzer - Sw RF 50 Ω | DC | | SEN | SE:INT | | ALIGN AUTO | 10:41:27 A | 4 Aug 26, 2020 | Frequency |
|--|--|--|----------------------------|---------------------------------|-----------------------|------------------------|---|--|--|--|
| Center H | Freq 2.41200 | NFE PN | IZ Ю:Wide ↔ Gain:Low | Trig: Free #Atten: 30 | Run) dB | #Avg Type Avg Hold: | 100/100 | TYP | E 1 2 3 4 5 6 E M WWWW T P P P P P P | , |
| 10 dB/div | Ref Offset 19 Ref 30.00 (| | | | | | Mki | | 98 GHz 11 dBm | Auto Tune |
| 10 dB/div Log | | | | | | | | | | Center Freq |
| 20.0 | | | | | | | | | | 2.412000000 GHz |
| 10.0 | | | Û II | | | 1 - | | | | Start Freq |
| 0.00 | | with any | two for the | non-pontally V | hirponev) | <u>Թիւիիովի էսպ</u> | ppm floor | \ | | 2.397000000 GHz |
| -10.0 | | | | | | | | hn | | Stop Freq 2.427000000 GHz |
| -20.0 | 1 Martin Martin | | | | | | | mar with marker | Whyte | |
| -30.0 | <u>1</u> 014.0.4 | | | | | | | | <u>۷</u> ٦ | CF Step 3.000000 MHz <u>Auto</u> Man |
| -40.0 | | | | | | | | | | |
| -50.0 | | | | | | | | | | Freq Offset 0 Hz |
| -60.0 | | | | | | | | | | Scale Type |
| | .41200 GHz / 100 kHz | | #\(B)M | 300 kHz | | | Swoon 1 | Span 3 1.133 ms (| 0.00 MHz | Log <u>Lin</u> |
| | | | #VBVV | JUU KHZ | | • | | | 1001 pts) | |
| MSG | | | | | | | STATU | s | | |
| | | | 11N20 | MIMO_ | Ant1_2 | 2412_0~ | | | | |
| Keysight S | pectrum Analyzer - Sw RF 50 Ω Freg 515.000 | DC | | SEN | SE:INT | #Avg Type | | nce | M Aug 26, 2020 E 1 2 3 4 5 6 | Frequency |
| Keysight S | RF 50 Ω Freq 515.000 | DC DOOO MHZ NFE PN IFC | | | SE:INT | | Refere | 10:41:35 A TRAC TYP | E 1 2 3 4 5 6 E M WWWW T P P P P P P | |
| Keysight S I R L Center F | RF 50 Ω | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TY DE kr1 874. | MAUg 26, 2020 = 1 2 3 4 5 6 = M → P P P P P P 90 MHz 39 dBm | Frequency |
| Keysight S | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TY DE kr1 874. | E 1 2 3 4 5 6 MWWWWW P P P P P P 90 MHz | Frequency |
| Keysight Sj Vir RL Center F 10 dB/div Log | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TY DE kr1 874. | E 1 2 3 4 5 6 MWWWWW P P P P P P 90 MHz | Frequency Auto Tune Center Freq 515.000000 MHz |
| 10 dB/div | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TYR DE kr1 874. | E 1 2 3 4 5 6 MWWWWW P P P P P P 90 MHz | Frequency Auto Tune Center Freq |
| Center F | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TYR DE kr1 874. | 90 MHz 39 dBm | Frequency Auto Tune Center Freq 515.00000 MHz Start Freq |
| Keysight Sj RL Center F 10 dB/div 0 0 0 0 0 | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TYR DE kr1 874. | E 1 2 3 4 5 6 MWWWWW P P P P P P 90 MHz | Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz |
| Keysight S; RL Center F 10 dB/div 0.0 .0.0 .0.0 .0.0 | RF 50 Ω Freq 515.000 Ref Offset 19 | DC DOOO MHZ NFE PN IFC .79 dB | Y NO: Fast ↔ | SEN | SE:INT | #Avg Type | Refere | 10:41:35 A TRAC TYR DE kr1 874. | 90 MHz 39 dBm | Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq |
| Keysight Sy Of(RL Center F 10.0 | Ref Offset 19 Ref 20.00 (| DOCO MHZ DOOO MHZ NFE PN IFC IFC | Sain:Low | SEN Trig: Free #Atten: 20 | SE:INT Run) dB | #Avg Type Avg Hold: | Refere Ruign Auto RMS 10/10 M | ID:41:35 AI TRAC TYN V Kr1 874. -52.9 | EI 2 2 4 5 6 MWHWWE TP P P P P P 90 MHz 39 dBm | Frequency Auto Tune Center Freq 515.00000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000000 GHz CF Step |
| Keysight Sy Off RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 | Ref Offset 19 Ref Offset 19 Ref 20.00 (| DOCO MHIZ NFE PN IFC PN IFC IFC | Sain:Low | SEN Trig: Free #Atten: 20 | | #Avg Type Avg Hold: | Refere Ruign Auto RMS 10/10 M | Ince | EI 2 2 4 5 6 MWHWWW TP P P P P P 90 MHz 39 dBm DL1 -2479 dbm | Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.00000 MHz |
| Keysight Sy Off RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 | Ref Offset 19 Ref 20.00 (| DOCO MHIZ NFE PN IFC PN IFC IFC | Sain:Low | SEN Trig: Free #Atten: 20 | | #Avg Type Avg Hold: | Refere Ruign Auto RMS 10/10 M | Ince | EI 2 2 4 5 6 MWHWWW TP P P P P P 90 MHz 39 dBm DL1 -2479 dbm | Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz |
| Keysight Sj RL Center F O | Ref Offset 19 Ref 20.00 (| DOCO MHIZ NFE PN IFC PN IFC IFC | Sain:Low | SEN Trig: Free #Atten: 20 | | #Avg Type Avg Hold: | Refere Ruign Auto RMS 10/10 M | nce | EI 12 3 4 5 6 6 MWHWWWWF TP P P P P P P 90 MHz 39 dBm 0.1 -2479 dBm | Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.0000000 GHz 1.000000000 GHz CF Step 97.00000 MHz Auto Man |

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| Center Freq 13.7500000 | PNO: East ++ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 10:42:02 AM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | |
|---|---|---|--|---|
| Ref Offset 19.79 dB 10 dB/div Ref 20.00 dBm | IFGain:Low #Atten: 20 dB | Mkr1 | 25.766 45 GHz -45.013 dBm | Auto Turn |
| 10.0 | | | | Center Freq 13.75000000 GHz |
| -10.0 | | | | Start Freq 1.000000000 GHz |
| -20.0 | | | DL1 -24.79 dBm | Stop Freq 26.50000000 GHz |
| -40.0 | | | 1 | CF Step 2.550000000 GHz <u>Auto</u> Man |
| -50.0 -60.0 | | | | Freq Offset |
| -70.0 | | | | Scale Type |
| Start 1.00 GHz #Res BW 100 kHz | #VBW 300 kHz | Sweep 93 | Stop 26.50 GHz 38.0 ms (30001 pts) | |
| mod | 11N20MIMO_Ant | | | |
| 🔤 Keysight Spectrum Analyzer - Swept SA 🗶 RL RF 50 Ω DC | | | | |
| KL KF 50 52 DC | SENSE:INT | ALIGN AUTO | 11:00:30 AM Aug 26, 2020 | _ |
| Center Freq 2.412000000 NFE | | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| Center Freq 2.412000000 NFE Ref Offset 19.79 dB 10 dB/div Ref 30.00 dBm | GHz PNO: Wide +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 | Frequency |
| Center Freq 2.412000000 NFE Ref Offset 19.79 dB | GHz PNO: Wide +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.413 26 GHz | Frequency |
| Center Freq 2.412000000 NFE 10 dB/div 20.0 10.0 | GHz PNO: Wide +++ Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.413 26 GHz | Frequency Auto Tune Center Freq |
| Center Freq 2.41200000 NFE 10 dB/div 20.0 10.0 .00 .00 .00 .00 | GHz PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 MKr | TRACE II 2 3 4 5 6 TYPE MWWWWUE DET P P P P P P 1 2.413 26 GHz 7.154 dBm | Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz |
| Center Freq 2.41200000 NFE Ref Offset 19.79 dB Ref 30.00 dBm 20.0 10.0 .000 .0 | GHz PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 MKr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.413 26 GHz | Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq 2.397000000 GHz |
| Center Freq 2.41200000 NFE 10 dB/div 20.0 10.0 .00 .00 .00 .00 | GHz PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 MKr | TRACE II 2 3 4 5 6 TYPE MWWWWUE DET P P P P P P 1 2.413 26 GHz 7.154 dBm | Frequency Auto Tune Center Freq 2.412000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.427000000 GHz CF Step 3.000000 MHz |
| Center Freq 2.41200000 NFE 10 dB/div Ref 30.00 dBm 20.0 10.0 .0000 .000 .000 | GHz PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 MKr | TRACE II 2 3 4 5 6 TYPE MWWWWUE DET P P P P P P 1 2.413 26 GHz 7.154 dBm | Frequency Auto Tune Center Freq 2.41200000 GHz Start Freq 2.39700000 GHz CF Step 3.00000 MHz Auto Man Freq Offset |

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| Center Freq 515.000000 | | #Avg Type: RMS | TRACE 1 2 3 4 5 6 | Frequency |
|--|--|--|---|--|
| NFE Ref Offset 19.79 dl 10 dB/div Ref 20.00 dBm | IFGain:Low #Atten: 20 de | 3 | Ikr1 857.93 MHz -52.840 dBm | Auto Tune |
| 10.0 | | | | Center Freq 515.000000 MHz |
| -10.0 | | | | Start Freq 30.000000 MHz |
| -20.0 | | | DL1 -22.85 dBm | Stop Freq 1.000000000 GHz |
| -40.0 | | | | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 -60.0 -60.0 | digenta yana menengan san bahara da ara da ara da arawa Mana da arawa da arawa da arawa da arawa da arawa da ar | silennen bereiten in en der seinen eine bereiten im der seinen der seinen sie seinen seinen seinen seinen sein Anwenden bereiten seinen sei | an alata se antara tara da anga ting anga Ing da patan di pata pata anga tara patangka | Freq Offset 0 Hz |
| -70.0 Start 0.0300 GHz | | | Stop 1.0000 GHz | Scale Type |
| #Res BW 100 kHz | #VBW 300 kHz | Sweep 3 | 6.00 ms (30001 pts) | |
| MSG | | STATU | | |
| | 11N20MIMO_ | Ant2_2412_30~100 | 00 | |
| | | | | |
| Keysight Spectrum Analyzer - Swept SA RL RF 50 Ω DC Center Freq 13.7500000 NFE | 00 GHz PNO: Fast +++ Trig: Free Ru | #Avg Type: RMS In Avg Hold: 10/10 | 11:01:05 AM Aug 26, 2020 TRACE 1 2 3 4 5 6 | Frequency |
| χμ RF 50 Ω DC Center Freq 13.7500000 NFE NFE Ref Offset 19.79 dl 10 dB/div Ref 20.00 dBm | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS In Avg Hold: 10/10 3 | 11:01:05 AM Aug 26, 2020 | Frequency |
| RL RF 50 Ω DC Center Freq 13.7500000 NFE Ref Offset 19.79 dl | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS In Avg Hold: 10/10 3 | 11:01:05 AM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWAWAW DET P P P P P P 1 26.381 85 GHz | Frequency |
| RL RF 50 g DC Center Freq 13.7500000 NFE NFE NFE 10 dB/div Ref Offset 19.79 dl Log Ref 20.00 dBm | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS In Avg Hold: 10/10 3 | 11:01:05 AM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWAWAW DET P P P P P P 1 26.381 85 GHz | Frequency Auto Tune Center Freq |
| Ref 50 g DC Center Freq 13.7500000 NFE Ref Offset 19.79 dl Ref 20.00 dBm 10 dB/dlv Ref 20.00 dBm -0.00 | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS In Avg Hold: 10/10 3 | 11:01:05 AM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWAWAW DET P P P P P P 1 26.381 85 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq |
| By Ric RF 50 g DC Center Freq 13.7500000 NFE 10 dB/div Ref Offset 19.79 dl 10 dB/div Ref 20.00 dBm -0 ag | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS Avg Hold: 10/10 Mkr' | 11:01:05 4M Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWPP DT P P P P P P 1 26.381 85 GHz -43.716 dBm DL1-22.85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq |
| By RL RF 50 g DC Center Freq 13.7500000 NFE Ref Offset 19.79 dl Ref 20.00 dBm 10.0 0.00 -10.0 | 00 GHz PNO: Fast ↔ Trig: Free Ru IFGain:Low #Atten: 20 dt | #Avg Type: RMS In Avg Hold: 10/10 3 | 11:01:05 4M Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWPP DT P P P P P P 1 26.381 85 GHz -43.716 dBm DL1-22.85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz CF Step 2.55000000 GHz Auto Man Freq Offset |
| M RL RF 50 g DC Center Freq 13.7500000 NFE NFE Ref Offset 19.79 dl 10 dB/div Ref 20.00 dBm -0 dB/div Ref 20.00 dBm -0.00 | OO GHZ PRO: Fast →→ IFGain:Low Trig: Free Rt #Atten: 20 df 3 | #Avg Type: RMS Avg Hold: 10/10 Mkr' | 11:01:05 4M Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWPP DT P P P P P P 1 26.381 85 GHz -43.716 dBm DL1-22.85 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz Auto Man |

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| Conter Freq 15.750 | 2 DC 000000 GHz | SENSE:INT | ALIGN AUTO | TRACE 1 2 3 4 5 | 6 Frequency |
|--|--|--|--|---|--|
| | NFE PNO: Fast ++ IFGain:Low | , Trig: Free Run #Atten: 20 dB | Avg Hold: 10/10 | | P |
| Ref Offset 19 10 dB/div Ref 20.00 | | | Mki | r1 26.290 05 GHz -44.678 dBm | |
| | | | | | |
| 10.0 | | | | | Center Freq 13.750000000 GHz |
| | | | | | |
| 0.00 | | | | | Start Freq |
| -10.0 | | | | | 1.000000000 GHz |
| -20.0 | | | | | Stop Freq |
| | | | | DL1 -23.90 dBn | 26.500000000 GHz |
| -30.0 | | | | | |
| -40.0 | | | | | CF Step 2.55000000 GHz |
| -50.0 | and the second | and the set of the state of the state of the | and a product of the state of the state of the | and a fresher had been an all all a state of | Auto Man |
| | and the second secon | whether the state of the | and a line of the second s | territe a letter and the state of the state | Freq Offset |
| -60.0 | | | | | 0 Hz |
| -70.0 | | | | | Scale Type |
| | | | | | |
| Start 1.00 GHz #Res BW 100 kHz | #VBW | / 300 kHz | Sweep 9 | Stop 26.50 GHz 938.0 ms (30001 pts | • |
| MSG | | | STAT | | |
| | | MIMO_Ant1_ | _2437_1000~26 | 6500 | |
| www.com Keysight Spectrum Analyzer - Sw እርጉ የሆኑ የድርጉ የመጠር የሆኑ | | | | | |
| | | SENSE:INT | ALIGN AUTO | 0 12:38:48 PM Aug 26, 2020 | Frequency |
| Center Freq 2.4370 | 00000 GHz NFE PNO: Wide ↔ | | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 0 12:38:48 PM Aug 26, 2020 TRACE 1 2 3 4 5 TYPE M WWWW DET P P P P P | Frequency |
| Center Freq 2.4370 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Frequency |
| Center Freq 2.4370 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P | Auto Tune |
| Center Freq 2.4370 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Frequency |
| Center Freq 2.43700 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Auto Tune |
| Center Freq 2.43700 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Auto Tune Center Freq 2.43700000 GHz |
| Center Freq 2.4370 | NFE PNO: Wide ↔ IFGain:Low | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Auto Tune |
| Center Freq 2.4370 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz |
| Center Freq 2.4370 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz |
| Center Freq 2.4370 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz |
| Center Freq 2.43700 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 TYPE MWWWW DET P P P P P kr1 2.435 74 GHz | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.422000000 GHz Stop Freq 2.452000000 GHz CF Step 3.00000 MHz |
| Center Freq 2.4370 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz |
| Center Freq 2.43701 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz Start Freq 2.42200000 GHz 2.45200000 GHz CF Step 3.000000 MHz Auto Man Freq Offset |
| Center Freq 2.43701 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Auto Tune Center Freq 2.437000000 GHz 2.422000000 GHz 2.452000000 GHz CF Step 3.00000 MHz Auto Man |
| Center Freq 2.43701 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.43700000 GHz 2.42200000 GHz 2.42200000 GHz 2.45200000 GHz 3.00000 MHz Auto Man Freq Offset 0 Hz |
| Center Freq 2.43701 | 00000 GHz NFE PNO: Wide ↔ IFGain:Low dBm | Trig: Free Run | #Avg Type: RMS Avg Hold: 100/100 | TRACE [1 2 3 4 5. TYPE [M www. DET P P P P P kr1 2.435 74 GH2 6.624 dBm | Auto Tune Center Freq 2.437000000 GHz 2.422000000 GHz 2.422000000 GHz 2.452000000 GHz CF Step 3.000000 MHz <u>Auto</u> Man Freq Offset 0 Hz |

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| KL RF 50 Ω Center Freq 515.0000 | 00 MHz | #Avg Type: RMS | 12:38:56 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW | Frequency |
|--|--|---|--|---|
| NF Ref Offset 19.75 10 dB/div Ref 20.00 dB | IFGain:Low #Atten: 20 dE | , <u> </u> | кr1 819.19 MHz -52.155 dBm | Auto Tune |
| 10.0 | | | | Center Freq 515.000000 MHz |
| -10.0 | | | | Start Freq 30.000000 MHz |
| -20.0 | | | DL1 -23.38 dBm | Stop Freq 1.000000000 GHz |
| -40.0 | | | .1 | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 | n 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | statisti pernyy na pyseu tito posterie do al tatori posterie a te na dia tato ana ana ana ana ana ana ana ana ana an | | Freq Offset 0 Hz |
| -70.0 | and and a second s | The second s | | Scale Type |
| Start 0.0300 GHz #Res BW 100 kHz | #VBW 300 kHz | Sweep 3 | 6.00 ms (30001 pts) | Log <u>Lin</u> |
| | 11N20MIMO_ | | | |
| Keysight Spectrum Analyzer - Swept M RL RF 50 Ω Center Freq 13.75000 NF | DC SENSE: 0000 GHZ E PNO: Fast ↔ Trig: Free Ru | #Avg Type: RMS n Avg Hold: 10/10 | 12:39:24 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P | Frequency |
| Ref Offset 19.75 | IFGain:Low #Atten: 20 dE | | DEILLIII | |
| 10 dB/div Ref 20.00 dE | | Mkr1 | l 26.194 85 GHz -44.452 dBm | Auto Tune |
| 10 dB/div Ref 20.00 dE | | Mkr1 | 26.194 85 GHz | Auto Tune Center Freq 13.75000000 GHz |
| Log | | | 26.194 85 GHz | Center Freq |
| Log 10.0 -10.0 -20.0 | | | 26.194 85 GHz | Center Freq 13.75000000 GHz Start Freq |
| 10.0 0.00 -10.0 | | | 26.194 85 GHz -44.452 dBm | Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| Log 10.0 -10.0 -20.0 -30.0 | | | 26.194 85 GHz -44.452 dBm | Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz 2.55000000 GHz Auto Freq Offset |
| Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 | | | 26.194 85 GHz -44.452 dBm | Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz 2.550000000 GHz <u>CF Step</u> 2.55000000 GHz <u>Auto</u> Man |

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| Image: New York RL RF 50 Ω DC Center Freq 13.7500000 13.7500000 1000000000000000000000000000000000000 | 000 GHz | ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10 | 12:47:49 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW | Frequency |
|--|--|---|--|--|
| NFE Ref Offset 19.79 c 10 dB/div Ref 20.00 dBm | IFGain:Low #Atten: 20 dB | | 25.561 60 GHz -44.547 dBm | Auto Tune |
| | | | | Center Freq 13.75000000 GHz |
| 0.00 | | | | Start Freq |
| -20.0 | | | | Stop Freq |
| -30.0 | | | DL1 -26.85 dBm | 26.50000000 GHz |
| | | | | 2.550000000 GHz <u>Auto</u> Man |
| -60.0 | and an earlier of the file of a file of a file of a file of the fi | | | Freq Offset 0 Hz |
| -70.0 Start 1.00 GHz | | | Stop 26.50 GHz | Scale Type |
| #Res BW 100 kHz | #VBW 300 kHz | STATUS | 8.0 ms (30001 pts) | |
| | 11N20MIMO_Ant1 | _2462_1000~265 | 00 | |
| | | | | |
| Keysight Spectrum Analyzer - Swept SA RL RF S0 Ω DC Center Freq 2.46200000 NFE | OO GHZ PNO: Wide ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 12:52:42 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW | Frequency |
| RL RF 50 Ω DC Center Freq 2.4620000 NFE Ref Offset 19.79 c 10 dB/div Ref 30.00 dBr | OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | 12:52:42 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1 2.456 99 GHz 3.169 dBm | Frequency |
| 022 RL RF 50 Ω DC Center Freq 2.46200000 NFE Ref Offset 19.79 c | OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.456 99 GHz | Frequency |
| RL RF 50 Ω DC Center Freq 2.46200000 NFE 0 B/div Ref Offset 19.79 c 10 dB/div Ref 30.00 dBm 20.0 10.0 10.0 | B B B C C C C C C C C C C C C C | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.456 99 GHz | Frequency Auto Tune Center Freq |
| RL RF 50.0 DC Center Freq 2.46200001 NFE 10 dB/div Ref Offset 19.79 c 20.0 Ref 30.00 dBm 10.0 NFE | OO GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 30 dB | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 12.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P 12.456 99 GHz 3.169 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq |
| RL RF 50 Q DC Center Freq 2.46200000 NFE NFE 10 dB/div Ref Offset 19.79 c Ref 30.00 dBm 20.0 | B B B C C C C C C C C C C C C C | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 12.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P 12.456 99 GHz 3.169 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.44700000 GHz Stop Freq |
| RL RF 50 Q DC Center Freq 2.46200001 NFE 10 dB/div Ref Offset 19.79 c 20.0 | B B B C C C C C C C C C C C C C | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 1 2.456 99 GHz | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.44700000 GHz Stop Freq 2.47700000 GHz CF Step 3.00000 MHz Auto |
| RL RF S0 0 DC Center Freq 2.46200001 NFE 10 dB/div Ref Offset 19.79 c 20.0 | B B B C C C C C C C C C C C C C | #Avg Type: RMS Avg Hold: 100/100 Mkr | TRACE 12.3.4.5.6 TYPE MWWWWW DET P.P.P.P.P 12.456 99 GHz 3.169 dBm | Frequency Auto Tune Center Freq 2.46200000 GHz Start Freq 2.447000000 GHz Stop Freq 2.477000000 GHz CF Step 3.000000 MHz |

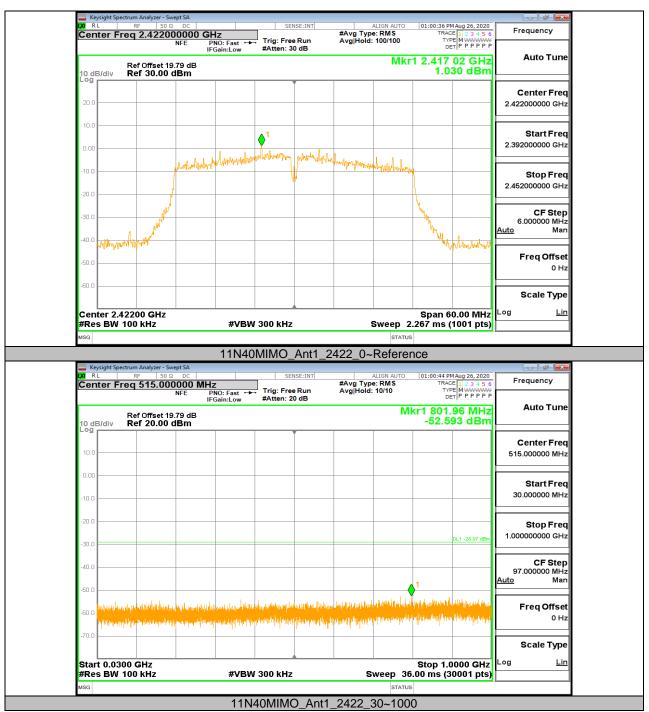
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| Contor E | ectrum Analyzer - Sw RF 50 Ω | DC | | SEI | NSE:INT | #Avg Typ | ALIGN AUTO | TRAC | MAug 26, 2020 E 1 2 3 4 5 6 | Frequency |
|---|--|-------------------------------------|-----------------------------|--------------------------------|-------------------------|---------------------------------|---|--|--|--|
| | 154 5 15.000 | NFE PNO | | Trig: Free #Atten: 2 | | Avg Hold | 1: 10/10 | TYP | | |
| | Ref Offset 19 | | | | | | М | | 35 MHz | Auto Tune |
| 10 dB/div Log | Ref 20.00 (| dBm | | | | | | -53.3 | 69 dBm | |
| | | | | | Ī | | | | | Center Freq |
| 10.0 | | | | | | | | | | 515.000000 MHz |
| 0.00 | | | | | | | | | | |
| | | | | | | | | | | Start Freq 30.000000 MHz |
| -10.0 | | | | | | | | | | |
| -20.0 | | | | | | | | | | Stop Freq |
| -30.0 | | | | | | | | | DL1 -26.83 dBm | 1.000000000 GHz |
| | | | | | | | | | | CE Stop |
| -40.0 | | | | | | | | | | CF Step 97.000000 MHz |
| -50.0 | | | | | | | | | 1 | <u>Auto</u> Man |
| ստեսիա | hallman adapted by | والمعروبات والمراول والمراور | المرابلية والمرابلة المرابل | an bhill shai | a prilling the start of | الارمارية وراهياريا ف | - marter parter | date made and | handline and hange | Freq Offset |
| -60.0 (1997) (1997) | en prefiden a det i plu | - Mittan Marked Teller | the participate Pipeler | anton alternation | und produced in the | a hanadan ba | واللعمال والمعالي | al contration division | hitele Martine | 0 Hz |
| -70.0 | | | | | | | | | | Scale Turne |
| | | | | | | | | | | Scale Type |
| Start 0.03 #Res BW | | | #VBW 3 | 00 kHz | | s | Sweep 36 | Stop 1.0 6.00 ms (3 | 0000 GHz 0001 pts) | Log <u>Lin</u> |
| MSG | | | | | | | STATUS | 3 | - / | |
| | | | | | | | | | | |
| | | | 11N2(| OMIMO | J_Ant2 | _2462_ | 30~100 | 0 | | |
| Keysight Sp. | pectrum Analyzer - Sw RF 50 Ω | | 11N2(| | | | ALIGN AUTO | 12:53:18 P | M Aug 26, 2020 | |
| LXIRL | | DC D00000 GH | Z :Fast ↔ | SEI | NSE:INT | 2_2462_ #Avg Typ Avg Hold | ALIGN AUTO | 12:53:18 P | M Aug 26, 2020 E 1 2 3 4 5 6 E M WWW | |
| LXIRL | ռ⊧ 50 Ω Freq 13.7500 | DC DOOOOO GH NFE PNO IFGai | Z ∶Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYF DE | MAug 26, 2020 | Frequency |
| Center F | RF 50 Ω | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | E 1 2 3 4 5 6 E M WWWW T P P P P P P | Frequency |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency Auto Tune |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency Auto Tune Center Freq 13.750000000 GHz |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency Auto Tune Center Freq |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq |
| Center F | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz 19 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq |
| 10 dB/div 10 dB/div 10.0 -10.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz | Frequency Auto Tune Center Freq 13.750000000 GHz Start Freq 1.000000000 GHz |
| 10.0 dB/div 10.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 P TRAC TYP 25.794 | 50 GHz 19 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step |
| 10 dB/div Center F 10.0 -10.0 -20.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO 90: RMS 1: 10/10 MKr1 | 12:53:18 PT TRAC TY 0 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| 20 RL Center F 10.0 -10.0 -20.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO De: RMS I: 10/10 | 12:53:18 PT TRAC TY 0 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step |
| Image: Center F 10. dB/div 10. 0 10. 0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO 90: RMS 1: 10/10 MKr1 | 12:53:18 PT TRAC TY 0 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz CF Step 2.55000000 GHz Auto Man Freq Offset |
| OX RL Center F 10.0 10.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO 90: RMS 1: 10/10 MKr1 | 12:53:18 PT TRAC TY 0 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.55000000 GHz Auto Tune |
| M RL Center F 10 dB/div 10.0 .0.0 | RF 50 Ω Freq 13.7500 Ref Offset 19 | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO 90: RMS 1: 10/10 MKr1 | 12:53:18 PT TRAC TY 0 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz 2.55000000 GHz Auto Tune CF Step 2.550000000 GHz Auto Man Freq Offset 0 Hz |
| M RL Center F 10.0 10.0 00.0 | RF 50 02 Freq 13.7500 13.7500 Ref Offset 19 Ref 20.00 0 Image: State of the state o | DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SEI | NSE:INT | #Avg Typ Avg Hold | ALIGN AUTO 90: RMS 1: 10/10 MKr1 | 12:53:18 PI TRAC TY DI 25.794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz Auto Man Freq Offset 0 Hz Scale Type |
| M RL Center F 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 | Ref Offset 19 Ref Offset 19 Ref 20.00 (| DC DOOOOO GH NFE PNO IFGai | Z :Fast ↔ | SET Trig: Free #Atten: 2 | SEINT | #Avg Typ AvgHold | ALIGN AUTO De: RMS : 10/10 MKr1 | 12:53:18 PT TRAC TY 25:794 -43.9 | DL1 -26.63 dBm | Frequency Auto Tune Center Freq 13.750000000 GHz Start Freq 1.000000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz Auto Man Freq Offset 0 Hz Scale Type |

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| Center Freq 13.75000000 NFE | PNO: Fast Trig: Free Ru | #Avg Type: RMS n Avg Hold: 10/10 | 01:01:12 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P | Frequency |
|---|--|---|---|--|
| Ref Offset 19.79 dB 10 dB/div Ref 20.00 dBm | IFGain:Low #Atten: 20 dE | | 26.089 45 GHz -43.935 dBm | Auto Tune |
| 10.0 | | | | Center Freq 13.75000000 GHz |
| -10.0 | | | | Start Freq 1.000000000 GHz |
| -20.0 | | | DL1 -28.97 dBm | Stop Freq 26.50000000 GHz |
| -30.0 | | | | CF Step 2.55000000 GHz <u>Auto</u> Man |
| -50.0 | | | | Freq Offset |
| -70.0 | | | | Scale Type |
| Start 1.00 GHz #Res BW 100 kHz | #VBW 300 kHz | STATUS | 8.0 ms (30001 pts) | Log <u>Lin</u> |
| | 11N40MIMO Ar | 14 0400 4000 001 | -00 | |
| | | nt1_2422_1000~268 | 500 | |
| Keysight Spectrum Analyzer - Swept SA | | | | |
| Keysight Spectrum Analyzer - Swept SA Keysight Spectrum Analyzer - So Ω DC Center Freq 2.422000000 NFE | SENSE:I | MT ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| 🗶 RL RF 50 Ω DC Center Freq 2.422000000 | GHz PNO: Fast + Trig: Free Ru | NT ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WARMAN | |
| RL RF 50 Ω DC Center Freq 2.422000000 NFE NFE NFE 10 dB/div Ref Offset 19.79 dB | GHz PNO: Fast + Trig: Free Ru | NT ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P 1 2.417 02 GHz | Frequency |
| RL RF 50 Q DC Center Freq 2.422000000 NFE NFE NFE 10 dB/div Ref Offset 19.79 dB 20.0 | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | nt ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 MKr | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET IP P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq |
| RL RF 50 Q DC Center Freq 2.422000000 NFE NFE NFE 10 dB/div Ref Offset 19.79 dB 20.0 | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | NT ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET IP P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq |
| RL RF 50 00 DC Center Freq 2.422000000 NFE 10 dB/div Ref Offset 19.79 dB 20 0 Ref 30.00 dBm 10.0 | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | nt ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 MKr | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET IP P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz Stop Freq |
| RL RF 50 0 DC Center Freq 2.422000000 NFE 10 dB/div Ref Offset 19.79 dB 20.0 | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | nt ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 MKr | 01:08:14 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET IP P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz Stop Freq 2.45200000 GHz CF Step 6.00000 MHz Auto Man |
| RL RF 50 0 DC Center Freq 2.422000000 NFE 10 dB/div Ref Offset 19.79 dB 20.0 | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | nt ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 MKr | 01:08:14 PM Aug 26, 2020 TRACE 11:2:3:4:5:6 TYPE M WWWWWW DET P P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq 2.42200000 GHz 35tart Freq 2.39200000 GHz 2.45200000 GHz 6.00000 GHz CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz |
| RL PF 30 90 pc enter Freq 2.422000000 NFE 0 dB/div Ref Offset 19.79 dB 0 dB/div Ref 30.00 dBm 0 dB/div Ref Jone 10.79 dB 0 dB/div | GHz PNO: Fast IFGain:Low 4 Atten: 30 dE | nt ALIGN AUTO #Avg Type: RMS n Avg Hold: 100/100 MKr | 01:08:14 PM Aug 26, 2020 TRACE 11:2:3:4:5:6 TYPE M WWWWWW DET P P P P P P 1 2.417 02 GHz 1.348 dBm | Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq 2.39200000 GHz Stop Freq 2.45200000 GHz CF Step 6.00000 MHz Auto Man Freq Offset 0 Hz Scale Type |

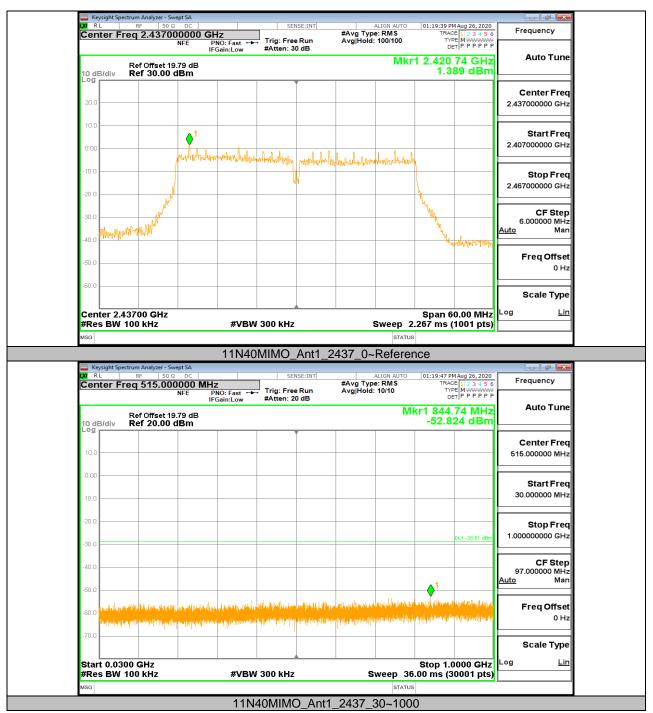
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| Center Freq | Analyzer - Swept SA F 50 Ω DC 515.000000 MI | Hz | SENSE:INT | ALIGN AL #Avg Type: RMS | ITO 01:08:22 TF | 2 PM Aug 26, 2020 RACE 1 2 3 4 5 6 TYPE M WWWW | Frequency |
|---|--|--|--|--|---|---|---|
| Re 10 dB/div Re | NFE | PNO: East +++ Irig | : Free Run en: 20 dB | AvgiHold: 10/10 | Mkr1 77 | 0.89 MHz | Auto Tune |
| 10.0 | | | | | | | Center Freq 515.000000 MHz |
| -10.0 | | | | | | | Start Freq 30.000000 MHz |
| -20.0 | | | | | | DL1 -28.65 dBm | Stop Freq 1.000000000 GHz |
| -40.0 | | | | | | | CF Step 97.000000 MHz <u>Auto</u> Man |
| -50.0 | and the and the structure | , he had a state of the state o | mahalappalleagtan | his gastana in the second second second | ng (Classic Horis) The standard for the second | n han an haptara ta karaptar an hina an sin di na antar | Freq Offset |
| -70.0 | annes I thu thi i th units. | ala dina di matangan di mangan di mangan National di mangan di | and a second sec | eran al fennan an an an Inn Alenand | | | Scale Type |
| Start 0.0300 (#Res BW 100 | | #VBW 300 | kHz | Sweep | 36.00 ms | 1.0000 GHz (30001 pts) | |
| MSG | | | | ST | TATUS | | |
| MSG | | 11N40M | IMO_Ant2 | ∝ 2_2422_30~1 | 000 | | |
| Keysight Spectrum | F 50 Ω DC 13.750000000 NFE | GHz PNO: Fast ↔ Trig | SENSE:INT | | 000 | 9 PM Aug 26, 2020 RACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P | Frequency |
| Keysight Spectrum (X) RL R Center Freq 10 dB/div Re | F 50 Ω DC 13.750000000 NFE | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 ALIGN AL #Avg Type: RMS Avg Hold: 10/10 | 000 110 01:08:49 TF Kr1 26.40 | 2 PM Aug 26, 2020 RACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P 2 25 GHz 518 dBm | Frequency |
| Keysight Spectrum Karl R Center Freq Re | F 50 Ω DC 13.750000000 NFE f Offset 19.79 dB | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 ALIGN AL #Avg Type: RMS Avg Hold: 10/10 | 000 110 01:08:49 TF Kr1 26.40 | ACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2 25 GHz | Frequency |
| Keysight Spectrum WRL R Center Freq | F 50 Ω DC 13.750000000 NFE f Offset 19.79 dB | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 ALIGN AL #Avg Type: RMS Avg Hold: 10/10 | 000 110 01:08:49 TF Kr1 26.40 | ACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2 25 GHz | Frequency Auto Tune Center Freq |
| Keysight Spectrum WRLR Center Freq | F 50 Ω DC 13.750000000 NFE f Offset 19.79 dB | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 ALIGN AL #Avg Type: RMS Avg Hold: 10/10 | 000 110 01:08:49 TF Kr1 26.40 | ACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2 25 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq |
| Keysight Spectrum R RL R Center Freq 10 dB/div Re 0 dB/div Re 0 dB/div Re 0 dB/div Re | F 50 Ω DC 13.750000000 NFE f Offset 19.79 dB | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 | 000 TTO 01:08:45 TF CALL AND | 225 GHz 518 dBm DL1-28 65 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.550000000 GHz |
| Keysight Spectrum R R R Center Freq 0 dB/div Re 10.0 | F 50 R DC 13.750000000 NFE f Offset 19.79 dB f 20.00 dBm | GHz PNO: Fast ↔ Trig | SENSE:INT | 2_2422_30~1 ALIGN AL #Avg Type: RMS Avg Hold: 10/10 | 000 TTO 01:08:45 TF CALL AND | 225 GHz 518 dBm DL1-28 65 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz CF Step 2.55000000 GHz Auto Man Freq Offset |
| Keysight Spectrum W RL R Center Freq Reide Reide Reide 10 dB/div Reide Reide Reide Reide 10.0 | F 50 R DC 13.750000000 NFE f Offset 19.79 dB f 20.00 dBm | GHz PNO: Fast → Trig IFGain:Low #Att | SENSE:INT | 2_2422_30~1 | 000 TTO 01:08:45 TF CALL AND | 225 GHz 518 dBm DL1-28 65 dBm | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step 2.55000000 GHz Auto |

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| KL RF 50 Ω DC Center Freq 13.750000000 (| GHz | ALIGN AUTO #Avg Type: RMS | TRACE 1 2 3 4 5 6 | Frequency |
|--|--|---|--|---|
| Ref Offset 19.79 dB | Gain:Low Trig: Free Run #Atten: 20 dB | Avg Hold: 10/10 | 25.669 55 GHz -43.853 dBm | Auto Tune |
| 10 dB/div Ref 20.00 dBm | | | -40.000 (15) | Center Freq 13.750000000 GHz |
| 0.00 | | | | Start Freq |
| -10.0 | | | | 1.00000000 GHz |
| -30.0 | | | DL1 -28.61 dBm | Stop Freq 26.500000000 GHz |
| -40.0 | Manager and the second se | formula the second s | 1. | CF Step 2.55000000 GHz <u>Auto</u> Man |
| -60.0 | in a stand with a stand with a stand of part of any stand of parts and parts of the stand of the | n an | 1000 (100) (100) (100) (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (100) (1000 (100) (| Freq Offset 0 Hz |
| -70.0 | | | Stop 26.50 GHz | Scale Type |
| #Res BW 100 kHz | #VBW 300 kHz | | 8.0 ms (30001 pts) | |
| MSG | | STATUS | | |
| | | 2427 4000 265 | 00 | |
| | 11N40MIMO_Ant1_ | 2437_1000~265 | 500 | |
| 222 RL RF 50 Ω DC Center Freq 2.437000000 G NFE F | SENSE:INT | 2437_1000~265 ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 01:29:12 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P | Frequency |
| M RL RF 50 Ω DC Center Freq 2.437000000 G NFE NFE NFE | HZ PNO: Fast ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 01:29:12 PM Aug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW | |
| 022 RL RF 500 DC Center Freq 2.437000000 G NFE I Ref Offset 19.79 dB 10 dB/div Ref 30.00 dBm | HZ PNO: Fast ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 | 01:29:12 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 1 2.432 02 GHz | Frequency |
| RL RF 50 Ω DC Center Freq 2.437000000 G NFE I NFE I III 10 dB/div Ref Offset 19.79 dB III 20.0 III IIII 10.0 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | HZ NO: Fast \rightarrow Trig: Free Run Gain:Low #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 MKr | 01:29:12 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 1 2.432 02 GHz | Frequency Auto Tune Center Freq |
| RL RF 50 Ω DC Center Freq 2.437000000 G NFE I NFE I II Ref Offset 19.79 dB Ref 30.00 dBm III 20.0 III III 10.0 IIII IIII 0.00 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | HZ PNO: Fast ↔ Trig: Free Run | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 MKr | 01:29:12 PMAug 26, 2020 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 1 2.432 02 GHz | Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq |
| RL RF 50.0 DC Center Freq 2.437000000 G NFE I 10 Ref Offset 19.79 dB III 20.0 Ref 30.00 dBm III 10.0 III III -20.0 III IIII | HZ NO: Fast \rightarrow Trig: Free Run Gain:Low #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 MKr | 01:29:12 PM Aug 26, 2020 TRACE [] 2 3 4 5 6 TYPE M WWWWW DET P P P P P 1 2.432 02 GHz 0.901 dBm | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.407000000 GHz Stop Freq 2.467000000 GHz CF Step 6.00000 MHz |
| RL RF 50 0 DC Center Freq 2.437000000 G NFE I 10 dB/div Ref Offset 19.79 dB III 20.0 | HZ NO: Fast \rightarrow Trig: Free Run Gain:Low #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 MKr | 01:29:12 PM Aug 26, 2020 TRACE []: 3 4 5 6 TYPE M WWWWW DET[P P P P P P 1 2.432 02 GHz 0.901 dBm | Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.407000000 GHz 2.467000000 GHz CF Step 6.00000 MHz Auto Man Freq Offset |
| RL RF 50 0 DC Center Freq 2.437000000 G NFE I 10 dB/div Ref Offset 19.79 dB III 20.0 | HZ NO: Fast \rightarrow Trig: Free Run Gain:Low #Atten: 30 dB | ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 MKr | 01:29:12 PM Aug 26, 2020 TRACE [] 2 3 4 5 6 TYPE M WWWWW DET [P P P P P 1 2.432 02 GHz 0.901 dBm | Frequency Auto Tune Center Freq 2.437000000 GHz 2.407000000 GHz 2.407000000 GHz 2.467000000 GHz CF Step 6.00000 MHz Auto Man |

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| Center Freq 515.000 | | SENSE:INT | ALIGN AUTO Avg Type: RMS Avg Hold: 10/10 | 01:29:20 PM Aug 2 TRACE 1 2 TYPE M # | 3 4 5 6 Frequency |
|--|---|---|--|--|--|
| Ref Offset 19.7 10 dB/div Ref 20.00 d | IFGain:Low #Atter | n: 20 dB | | kr1 847.35 -53.162 | MHz Auto Tun |
| 10.0 | | | | | Center Fre 515.000000 MH |
| -10.0 | | | | | Start Fre 30.000000 MH |
| -20.0 | | | | DL1 -2 | Stop Fre 1.000000000 GH |
| -40,0 | | | | | CF Ste 97.000000 MH <u>Auto</u> Ma |
| -50.0 | entering in the second s | taile pilley dia julianettera nami en tisterie certes te m | permission of the second second | Harrison Belancists Starba Marketin Statistics, Starba | Freq Offse |
| -70.0 | | | and a set of the set o | | Scale Typ |
| Start 0.0300 GHz #Res BW 100 kHz | #VBW 300 ki | Hz | Sweep 36 | Stop 1.0000 5.00 ms (3000 s | |
| | 11N40MI | MO_Ant2_2 | | | |
| Keysight Spectrum Analyzer - Swe | pt SA | | | | |
| | | SENSE:INT | ALIGN AUTO | 01:29:48 PM Aug 2 | 6, 2020 Froquepey |
| Center Freq 13.7500 | 00000 GHz NFE PNO: Fast ↔ Trig: F | # | #Avg Type: RMS Avg Hold: 10/10 | TRACE 1 2 TYPE M₩ DET P P | 6,2020 3 4 5 6 WWW P P P P |
| Center Freq 13.75000 Ref Offset 19.7 10 dB/div Ref 20.00 d | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | free Run A | #Avg Type: RMS Avg Hold: 10/10 | TRACE 1 2 | GHZ Frequency |
| Center Freq 13.7500 | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | free Run A | #Avg Type: RMS Avg Hold: 10/10 | TRACE 1 2 TYPE MW DET P P 26.402 25 | GHZ Frequency |
| Center Freq 13.7500 Ref Offset 19.7 10 dB/div Ref 20.00 d | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | free Run A | #Avg Type: RMS Avg Hold: 10/10 | TRACE 1 2 TYPE MW DET P P 26.402 25 | GHZ GHZ Center Fre |
| Center Freq 13.7500 | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | free Run A | #Avg Type: RMS Avg Hold: 10/10 | 26.402 25 -43.641 | 6,2220 3 4 5 6 9 P P P GHz JBm Center Fre 13.750000000 GH Start Fre |
| Center Freq 13.7500 | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | * ree Run / / / / / / / / / / / / / / / / / / / | Avg Type: RMS Avg Hold: 10/10 Mkr1 | TRACE 11 2 Type MM DET P P 26.402 25 -43.641 0 | 6,2020 Frequency 9 P P P Auto Tun GHz Auto Tun 1Bm Center Fre 13.750000000 GH Start Fre 1.000000000 GH Stop Fre 210 den CF Step 1 CF Step |
| Center Freq 13.7500 | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | * ree Run / / / / / / / / / / / / / / / / / / / | #Avg Type: RMS Avg Hold: 10/10 | TRACE 11 2 Type MM DET P P 26.402 25 -43.641 0 | 6,2020 Frequency 9 P P P Auto Tun GHz Auto Tun 1Bm Center Fre 13.750000000 GH Start Fre 1.000000000 GH Stop Fre 210 den CF Step 1 CF Step |
| Center Freq 13.7500 | 00000 GHZ VFE PNO: Fast ↔ Trig: F IFGain:Low #Atter 79 dB | * ree Run / / / / / / / / / / / / / / / / / / / | Avg Type: RMS Avg Hold: 10/10 Mkr1 | TRACE 11 2 Type MM DET P P 26.402 25 -43.641 0 | 6,2020 Frequency 9 P P P Auto Tun GHz Auto Tun 1Bm Center Fre 13,750000000 GH Start Fre 1,00000000 GH Stop Fre 2,000000 GH CF Step 2,550000000 GH Auto Ma Freq Offset Stop Fre |