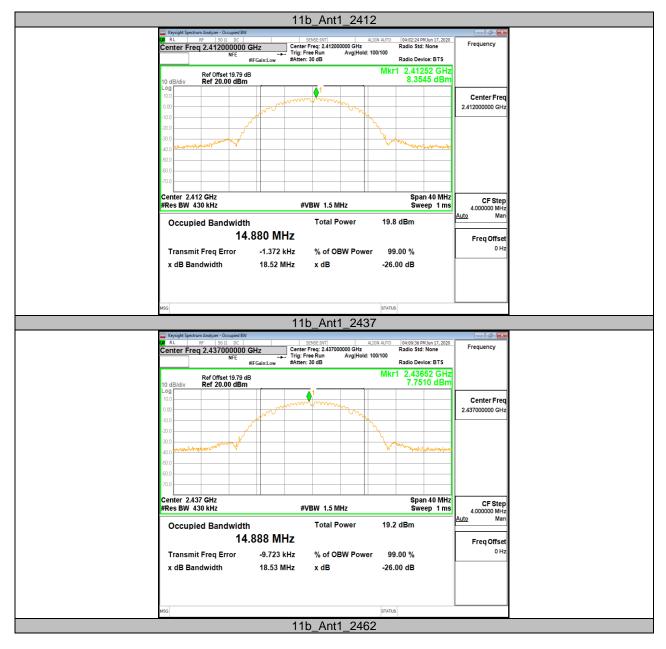
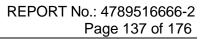
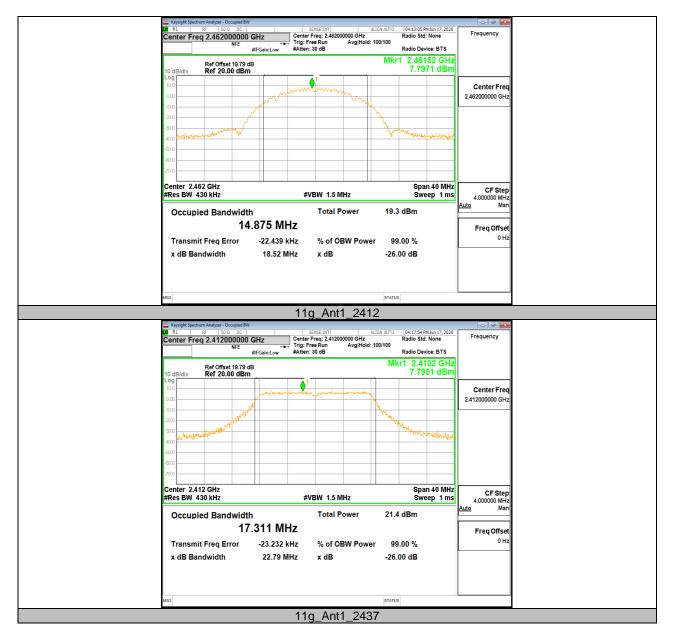
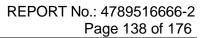


### 10.2.2. Test Graphs

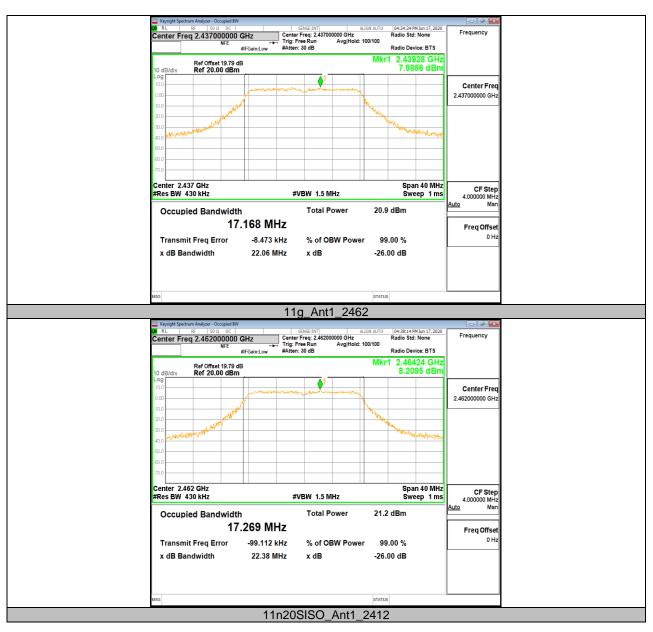


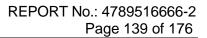












04:44:03 PMJun 17 Radio Std: None

Mkr1 2.41564 GHz 7.1165 dBm

Radio Device: BTS

Span 40 MHz

Sweep 1 ms

20.6 dBm

99.00 %

-26.00 dB

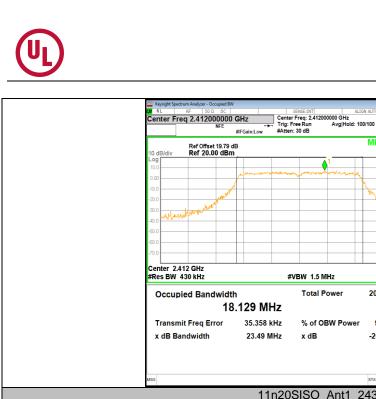
Frequency

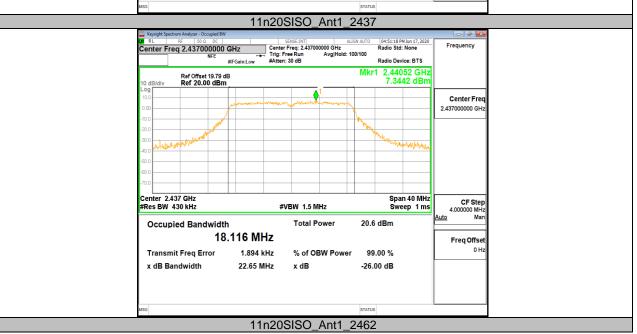
Center Fred 2.412000000 GHz

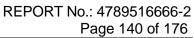
CF Step

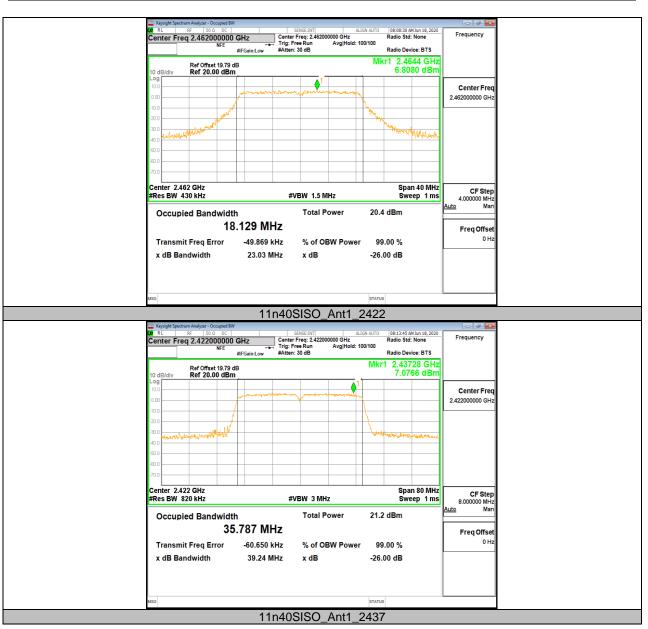
4.000000 MH Ma

Freq Offset











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| Keysight Spectrum Analyzer - Occupied BW       |             | craice and                                   |  | - 2 -                    |  |
|--|-------------|--|--|--------------------------|--|
| Center Freq 2.437000000                        | GH7 Center  | SENSE:INT ALIGN AUT<br>Freq: 2.437000000 GHz | Radio Std: None                                | Frequency                |  |
| NEE  | Trig: F     | ree Run Avg Hold: 100/100<br>: 30 dB         | Radio Device: BTS                              |                          |  |
| Ref Offset 19.79 d                             | В           | М  | kr1 2.43084 GHz                                |                          |  |
| 10 dB/div Ref 20.00 dBm                        |             |  | 8.3025 dBm                                     |                          |  |
| 10.0   |             |  |  | Center Freq              |  |
| 0.00   |             | American                                     |  | 2.437000000 GHz          |  |
| -10.0  |             |  |  |                          |  |
| -20.0  |             |  |  |                          |  |
| 30.0 malander of the malander                  |             |  | and the file when we were                      |                          |  |
| -40.0  |             |  |  |                          |  |
| -50.0  |             |  |  |                          |  |
| -60.0  |             |  |  |                          |  |
| -70.0  |             |  |  |                          |  |
| Center 2.437 GHz                               |             |  | Span 80 MHz                                    | CF Step                  |  |
| #Res BW 820 kHz                                | #1          | VBW 3 MHz                                    | Sweep 1 ms                                     | 8.000000 MHz             |  |
| Occupied Bandwidth                             |             | Total Power 2                                | 1.5 dBm  | <u>Auto</u> Man          |  |
|  | .824 MHz    |  |  |                          |  |
|  |             |  |  | Freq Offset              |  |
| Transmit Freq Error                            | -68.889 kHz | % of OBW Power                               | 99.00 %  | 0 Hz                     |  |
| x dB Bandwidth                                 | 39.02 MHz   | xdB -2                                       | 26.00 dB                                       |                          |  |
|  |             |  |  |                          |  |
|  |             |  |  |                          |  |
|  |             |  |  |                          |  |
| MSG  |             | ST   | ATUS   |                          |  |
|  | 11n40       | SISO_Ant1_24                                 | 52   |                          |  |
| Keysight Spectrum Analyzer - Occupied BW       |             |  | -  | - 2 -                    |  |
| 💢 RL RF 50Ω DC                                 |             | SENSE:INT ALIGN AUT                          | TO 08:37:46 AM Jun 18, 2020<br>Radio Std: None | Frequency                |  |
| Center Freq 2.45200000                         | Trig: F     | ree Run Avg Hold: 100/100                    | )  |                          |  |
|  |             | : 30 dB                                      | Radio Device: BTS                              |                          |  |
| Ref Offset 19.79 di<br>10 dB/div Ref 20.00 dBm | В           | M  | kr1 2.44568 GHz<br>8.3769 dBm                  |                          |  |
| Log  | 1           |  |  |                          |  |
| 10.0   |             |  |  | Center Freq              |  |
| 0.00   |             | 1 1  |  | 2.452000000 GHz          |  |
| -10.0  |             |  |  |                          |  |
| -20.0  |             |  |  |                          |  |
| -30.0 non-month of a transfer to the the       |             |  | himmethic to a the second second               |                          |  |
| -40.0  |             |  |  |                          |  |
| -60.0  |             |  |  |                          |  |
| -70.0  |             |  |  |                          |  |
|  |             |  |  |                          |  |
| Center 2.452 GHz<br>#Res BW 820 kHz            | #1          | VBW 3 MHz                                    | Span 80 MHz<br>Sweep 1 ms                      | CF Step                  |  |
| THES DW OLU NHL                                | #1          |  | · ·  | 8.000000 MHz<br>Auto Man |  |
| Occupied Bandwidth                             | n           | Total Power 2                                | 1.5 dBm  |                          |  |
| 35   | .804 MHz    |  |  | Freq Offset              |  |
|  |             | % of OPW Power                               | 00.00.%  | 0 Hz                     |  |
| Transmit Freq Error                            | -56.831 kHz |  | 99.00 %  |                          |  |
| x dB Bandwidth                                 | 38.91 MHz   | x dB -2                                      | 26.00 dB                                       |                          |  |
|  |             |  |  |                          |  |
|  |             |  |  |                          |  |
|  |             |  |  |                          |  |
| MSG  |             | e1.  | ATUS   |                          |  |



### 10.3. Appendix C: Maximum AVG conducted output power 10.3.1. Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
|           |         | 2412    | 16.89       | <=30       | PASS    |
| 11b       | Ant1    | 2437    | 16.27       | <=30       | PASS    |
|           |         | 2462    | 16.71       | <=30       | PASS    |
|           |         | 2412    | 15.37       | <=30       | PASS    |
| 11g       | Ant1    | 2437    | 14.92       | <=30       | PASS    |
|           |         | 2462    | 14.89       | <=30       | PASS    |
|           |         | 2412    | 14.39       | <=30       | PASS    |
| 11n20SISO | Ant1    | 2437    | 14.39       | <=30       | PASS    |
|           |         | 2462    | 14.51       | <=30       | PASS    |
|           |         | 2422    | 13.97       | <=30       | PASS    |
| 11n40SISO | Ant1    | 2437    | 14.40       | <=30       | PASS    |
|           |         | 2452    | 14.47       | <=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.

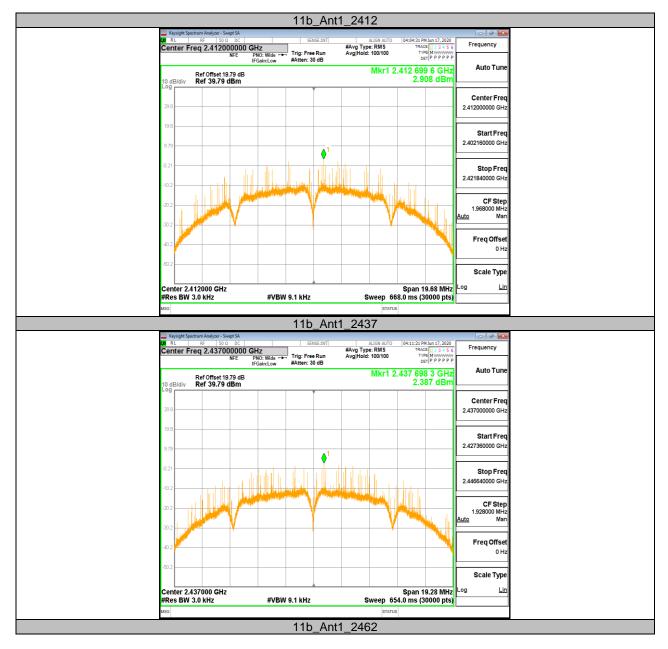


| 10.1.1    |         | looun   |                      |                 |         |
|-----------|---------|---------|----------------------|-----------------|---------|
| Test Mode | Antenna | Channel | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|           |         | 2412    | 2.91                 | <=8             | PASS    |
| 11b       | Ant1    | 2437    | 2.39                 | <=8             | PASS    |
|           |         | 2462    | 1.99                 | <=8             | PASS    |
|           |         | 2412    | -10.99               | <=8             | PASS    |
| 11g       | Ant1    | 2437    | -11.57               | <=8             | PASS    |
| -         |         | 2462    | -11.62               | <=8             | PASS    |
|           |         | 2412    | -12.54               | <=8             | PASS    |
| 11n20SISO | Ant1    | 2437    | -12.47               | <=8             | PASS    |
|           |         | 2462    | -12.63               | <=8             | PASS    |
|           |         | 2422    | -15.59               | <=8             | PASS    |
| 11n40SISO | Ant1    | 2437    | -12.44               | <=8             | PASS    |
|           |         | 2452    | -12.35               | <=8             | PASS    |

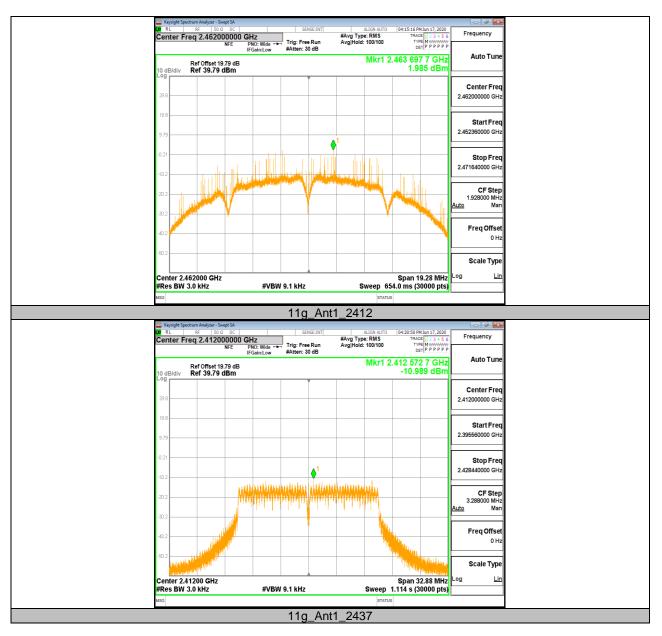
# 10.4. Appendix D: Maximum power spectral density 10.4.1. Test Result



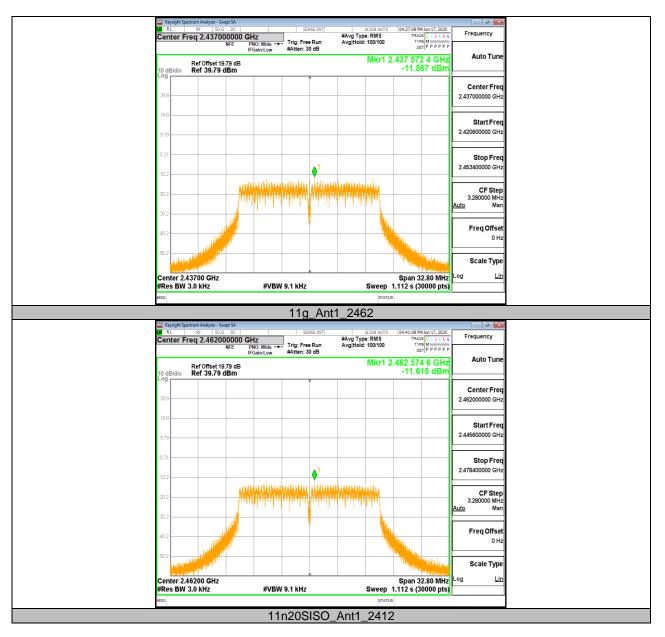




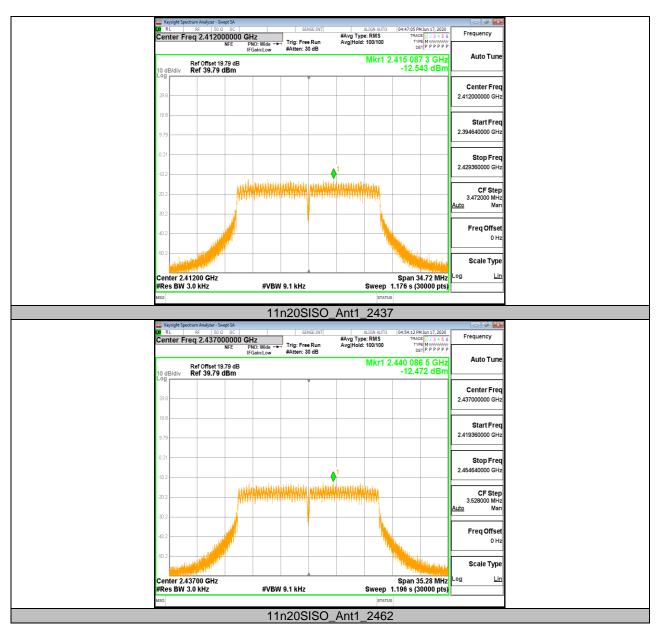




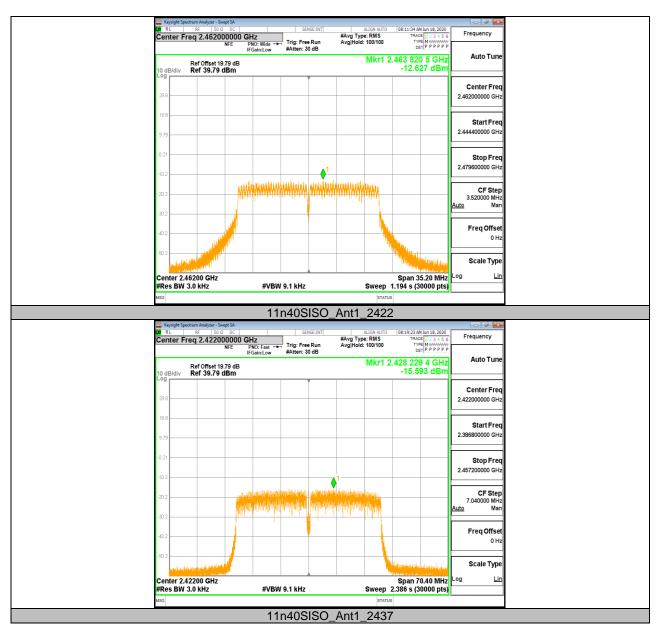














| Keysigh   |                                     |                         |                   |                        |                     |   |   |
|---|-------------------------------------|-------------------------|-------------------|------------------------|---------------------|---|---|
|   | t Spectrum Analyzer - Swept SA      |                         |                   |                        |                     |   | - 2 -   |
|   |                                     | CH2                     | SENSE:IN          | #Avg Typ               | ALIGN AUTO          | 08:29:35 AM Jun 18, 2020<br>TRACE 1 2 3 4 5 6   | Frequency   |
| Center  | r Freq 2.437000000<br>NFE           | PNO: Fast +++           | Trig: Free Run    | n Avg Hold             | 100/100             | TRACE 1 2 3 4 5 6<br>TYPE M   |   |
|   |                                     | IFGain:Low              | #Atten: 30 dB     |                        |                     | DET P P P P P   |   |
|   | Ref Offset 19.79 dB                 |                         |                   |                        | Mkr1 2              | .436 947 1 GHz  | Auto Tune   |
| 10 dB/di<br>Log   | <ul> <li>Ref 39.79 dBm</li> </ul>   |                         |                   |                        |                     | -12.442 dBm   | ļ   |
| LUg   |                                     |                         |                   |                        |                     |   |   |
| 29.8  |                                     |                         |                   |                        |                     |   | Center Freq   |
| 23.0  |                                     |                         |                   |                        |                     |   | 2.437000000 GHz   |
| 19.8  |                                     |                         |                   |                        |                     |   |   |
| 15.0  |                                     |                         |                   |                        |                     |   | Start Freq  |
| 9.79  |                                     |                         |                   |                        |                     |   | 2.401720000 GHz   |
| 0.10  |                                     |                         |                   |                        |                     |   |   |
| -0.21   |                                     |                         |                   |                        |                     |   |   |
| -0.21   |                                     |                         |                   |                        |                     |   | Stop Freq   |
| -10.2   |                                     |                         | 1                 |                        |                     |   | 2.472280000 GHz   |
| -10.2   |                                     |                         | Y                 |                        |                     |   |   |
| -20.2   |                                     | a                       | ublidderlait anie | nul bela bei de berege | linen.              |   | CF Step   |
| 20.2  |                                     |                         |                   |                        |                     |   | 7.056000 MHz<br>Auto Man  |
| 312   |                                     | Alwand is 14 db alwin ( | Weller, Wi        | ndenned skelate        | Laborit             |   | <u>Auto</u> Man   |
| -30.2   |                                     |                         |                   |                        |                     |   |   |
| -40.2   |                                     |                         |                   |                        |                     |   | Freq Offset   |
| -0.2  |                                     |                         |                   |                        |                     |   | 0 Hz  |
| -50.2   |                                     |                         |                   |                        |                     |   |   |
| -50.2   | and the back discution              |                         |                   |                        | - N                 | and the state of the second second second   | Scale Type  |
| e n   | And the second second second second |                         |                   |                        | - N                 | And the state of the second |   |
|   | 2.43700 GHz                         |                         |                   |                        |                     | Span 70.56 MHz  | Log <u>Lin</u>  |
| #Res B  | W 3.0 kHz                           | #VBW 9                  | i.1 kHz           |                        |                     | 2.390 s (30000 pts)   |   |
| MSG   |                                     |                         |                   |                        | STATU               | 5   |   |
|   |                                     | 11n                     | 40SIS             | O_Ant1_                | 2452                | 2   |   |
| - Keysigh   | it Spectrum Analyzer - Swept SA     |                         |                   |                        |                     | _   | - 2 ×   |
| LXI RL  | RF 50 Ω DC                          |                         | SENSE:IN          | σ                      | ALIGN AUTO          | 08:43:19 AM Jun 18, 2020  | Frequency   |
| Center  | Freq 2.452000000                    | DNO East                | Trig: Free Run    | #Avg Typ<br>n Avg Hold | e: RMS<br>: 100/100 | TRACE 1 2 3 4 5 6<br>TYPE M WWWWW   |   |
|   | in c                                | IFGain:Low              | #Atten: 30 dB     | -                      |                     | DET P P P P P P   |   |
|   | Ref Offset 19.79 dB                 |                         |                   |                        | Mkr1 2              | .451 947 9 GHz  | Auto Tune   |
| 10 dB/di  | <ul> <li>Ref 39.79 dBm</li> </ul>   |                         |                   |                        |                     | -12.352 dBm   | L   |
|   |                                     |                         |                   |                        |                     |   |   |
|   |                                     |                         |                   |                        |                     |   | Center From   |
| 29.8  |                                     |                         |                   |                        |                     |   | Center Freq   |
| 29.8  |                                     |                         |                   |                        |                     |   | Center Freq<br>2.452000000 GHz  |
|   |                                     |                         |                   |                        |                     |   |   |
| 29.8 —<br>19.8 —  |                                     |                         |                   |                        |                     |   |   |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.452000000 GHz   |
|   |                                     |                         |                   |                        |                     |   | 2.452000000 GHz   |
| 9.79  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz   |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>Stop Freq  |
| 9.79<br>-0.21   |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz   |
| 19.8<br>9.79  |                                     |                         | 1                 |                        |                     |   | 2.452000000 GHz<br>Start Freq<br>2.417280000 GHz<br>Stop Freq<br>2.486720000 GHz  |
| 19.8<br>9.79<br>-0.21<br>-10.2  |                                     |                         | 1                 |                        |                     |   | 2.452000000 GHz<br>Start Freq<br>2.417280000 GHz<br>Stop Freq<br>2.486720000 GHz<br>CF Step   |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>Stop Freq<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz  |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.452000000 GHz<br>Start Freq<br>2.417280000 GHz<br>Stop Freq<br>2.486720000 GHz<br>CF Step   |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz<br><u>Auto</u> Man  |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz<br><u>Auto</u> Man<br>Freq Offset                             |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz<br><u>Auto</u> Man  |
| 19.8<br>9.79<br>-0.21<br>-10.2<br>-20.2<br>-40.2  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz<br><u>Auto</u> Man<br>Freq Offset                             |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.496720000 GHz<br>6.544000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz                                |
| 19.8  |                                     |                         |                   |                        |                     |   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>CF Step<br>6.944000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type       |
| 19.8<br>9.79<br>-0.21<br>-0.2 -<br>-0.2 -<br>-0.20.2 -<br>-0.2 -<br>-0.2 -<br>-0.20.2 -<br>-0.2  | 2.45200 GHz                         |                         |                   |                        |                     | Span 69.44 MHz  | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>6.944000 MHz<br>6.944000 MHz<br>6.944000 MHz<br>0 Hz<br>0 Hz<br>Scale Type<br>Log Lin |
| 19.8<br>9.79<br>-0.21<br>-0.2 -<br>-0.2 -<br>-0.20.2 -<br>-0.2 -<br>-0.2 -<br>-0.2 -<br>-0.2 -<br>-0.20.2 -<br>-0.20.2 -<br>-0.2  |                                     |                         |                   |                        |                     | film and strategies and strategies and  | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>6.944000 MHz<br>6.944000 MHz<br>6.944000 MHz<br>0 Hz<br>0 Hz<br>Scale Type<br>Log Lin |
| 19.8<br>9.79<br>-0.21<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0.02<br>-0 | 2.45200 GHz                         |                         |                   |                        |                     | Span 69.44 MHz<br>2.352 s (30000 pts)   | 2.45200000 GHz<br>Start Freq<br>2.417280000 GHz<br>2.486720000 GHz<br>6.944000 MHz<br>6.944000 MHz<br>6.944000 MHz<br>0 Hz<br>0 Hz<br>Scale Type<br>Log Lin |

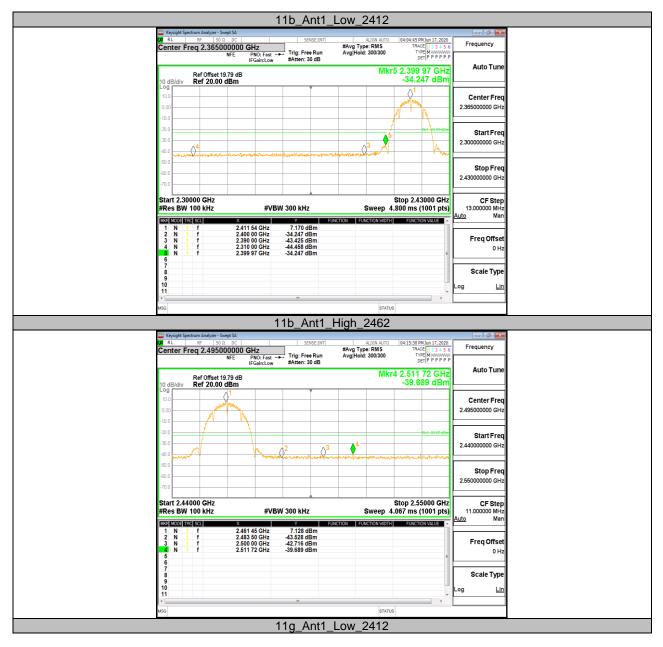


| Test Mode | Antenna | ChName | Channel | Verdict |
|-----------|---------|--------|---------|---------|
| 11b       | Ant1    | Low    | 2412    | PASS    |
| IID       | Anti    | High   | 2462    | PASS    |
| 110       | Ant1    | Low    | 2412    | PASS    |
| 11g       | Anti    | High   | 2462    | PASS    |
| 11n20SISO | Ant1    | Low    | 2412    | PASS    |
| 111205150 | Anti    | High   | 2462    | PASS    |
| 11n40SISO | A nt1   | Low    | 2422    | PASS    |
| 111405150 | Ant1    | High   | 2452    | PASS    |

## 10.5. Appendix E: Band edge measurements 10.5.1. Test Result



### 10.5.2. Test Graphs





| Keysight Spectrum Analyzer - Swept SA   |   |                              |   |                     |  |
|---|---|------------------------------|---|---------------------|--|
| Center Freq 2.36500000 GHz  | SENSE:INT   | #Avg Type: RMS               | 04:21:04 PM Jun 17, 2020<br>TRACE 1 2 3 4 5 6       | Frequency           |  |
| NEE PNO:  | East ++ Trig: Free Run                            | Avg Hold: 300/300            | TRACE 1 2 3 4 5 6<br>TYPE M                         |                     |  |
| IFGai   | ILLOW WAtten, oo ub                               | ML                           | 5 2.399 84 GHz                                      | Auto Tune           |  |
| Ref Offset 19.79 dB<br>10 dB/div Ref 20.00 dBm  |   | WIKI                         | -30.807 dBm   |                     |  |
| Log   | Ţ   |                              | .1  |                     |  |
| 10.0  |   |                              |   | Center Freq         |  |
| 0.00  |   |                              | Mushand   | 2.365000000 GHz     |  |
| -10.0   |   |                              |   |                     |  |
| -20.0   |   | <u>5</u>                     | DL1 -26.05 dBm                                      | Start Freq          |  |
| -30.0   |   | 3 , ♪                        |   | 2.30000000 GHz      |  |
| and to get a start which the second start and t | ben Militer many der Bigteren forg                | Mary Warden Stranger         | -14   |                     |  |
| -50.0   |   |                              |   | Stop Freq           |  |
| -60.0   |   |                              |   | 2.43000000 GHz      |  |
| -70.0   |   |                              |   |                     |  |
| Start 2.30000 GHz   |   |                              | Stop 2.43000 GHz                                    | CF Step             |  |
| #Res BW 100 kHz   | #VBW 300 kHz                                      |                              | .800 ms (1001 pts)                                  | 13.000000 MHz       |  |
| MKR MODE TRC SCL X  | Y FUNC  | CTION FUNCTION WIDTH         | FUNCTION VALUE                                      | <u>Auto</u> Man     |  |
| 1 N 1 f 2.406 99 G<br>2 N 1 f 2.400 00 G  | GHz -32.679 dBm                                   |                              |   | Eron Offert         |  |
| 3 N 1 f 2.390 00 4 N 1 f 2.310 00 0   | GHz -42.219 dBm                                   |                              |   | Freq Offset<br>0 Hz |  |
| 5 N 1 f 2.399 84 0  | GHz -30.807 dBm                                   |                              | E   |                     |  |
| 7   |   |                              |   | Scale Time          |  |
| 8 9   |   |                              |   | Scale Type          |  |
| 10  |   |                              |   | Log <u>Lin</u>      |  |
| ۲   | m   |                              |   |                     |  |
| MSG   |   | STATU                        | S   |                     |  |
|   | 11g_Ant1_F  | ligh_2462                    |   |                     |  |
| Keysight Spectrum Analyzer - Swept SA   |   |                              |   | - 8 💌               |  |
| 04 RL RF 50 Ω DC Center Freq 2.495000000 GHz  | SENSE:INT   | ALIGN AUTO<br>#Avg Type: RMS | 04:41:23 PM Jun 17, 2020<br>TRACE 1 2 3 4 5 6       | Frequency           |  |
| NFE PNO:  | : Fast +++ Trig: Free Run<br>n: Iow #Atten: 30 dB | Avg Hold: 300/300            | TRACE 1 2 3 4 5 6<br>TYPE M WWWW<br>DET P P P P P P |                     |  |
| IFGai   | n:Low #Atten: 30 dB                               |                              |   | Auto Tune           |  |
| Ref Offset 19.79 dB<br>10 dB/div Ref 20.00 dBm  |   | WK                           | 4 2.540 65 GHz<br>-40.095 dBm                       |                     |  |
| Log   | T T   |                              |   |                     |  |
| 10.0  |   |                              |   | Center Freq         |  |
| 0.00 Although and a   |   |                              |   | 2.495000000 GHz     |  |
| -10.0   |   |                              |   |                     |  |
| -20.0   |   |                              | DL1 -26 26 dBm                                      | Start Freq          |  |
| -30.0   | A2 A3   |                              | 4   | 2.440000000 GHz     |  |
| -40.0   | 2 3   | with and the second states   | and the second second second                        |                     |  |
| -50.0   |   |                              |   | Stop Freq           |  |
| -60.0   |   |                              |   | 2.55000000 GHz      |  |
| -70.0   |   |                              |   |                     |  |
| Start 2.44000 GHz   | A   |                              | Stop 2.55000 GHz                                    | CF Step             |  |
| #Res BW 100 kHz   | #VBW 300 kHz                                      | Sweep 4                      | .067 ms (1001 pts)                                  | 11.000000 MHz       |  |
| MKR MODE TRC SCL X  |   | CTION FUNCTION WIDTH         | FUNCTION VALUE                                      | <u>Auto</u> Man     |  |
| 1 N 1 f 2.456 94 0<br>2 N 1 f 2.483 50 0  | GHz 3.738 dBm<br>GHz -42.475 dBm                  |                              |   |                     |  |
| 3 N 1 f 2.500 00<br>4 N 1 f 2.540 65 0  | GHz -42.959 dBm                                   |                              |   | Freq Offset         |  |
| 5   | 3112 -40.095 UDIII                                |                              | E   | 0 Hz                |  |
| 6<br>7  |   |                              |   |                     |  |
| 8   |   |                              |   | Scale Type          |  |
| 10  |   |                              |   | Log <u>Lin</u>      |  |
|   |   |                              | •   |                     |  |
| MSG   |   | STATU                        | s   |                     |  |
| 1   | 1n20SISO_An                                       | t1 Low 2                     | 112   |                     |  |
|   | 11200100_AI                                       | 11_LOW_24                    | T12   |                     |  |



| D I  | trum Analyzer - Swept SA  |  |  |  | - 8 -   |  |
|--|---|--|--|--|---|--|
|  | RF 50 Ω DC eq 2.365000000 GHz   | SENSE:INT  | #Ava Type: RMS                           | 04:47:20 PM Jun 17, 2020<br>TRACE 1 2 3 4 5 6  | Frequency   |  |
| Center FI  | NEE PNO: Fast +++   | Trig: Free Run A   | Avg Hold: 300/300                        | TRACE 1 2 3 4 5 6<br>TYPE M WWWWW<br>DET P P P P P P   | <u> </u>  |  |
|  | IFGain:Low  | #Atten: 30 dB  |  |  | Auto Tune   |  |
|  | Ref Offset 19.79 dB   |  | MKr                                      | 5 2.399 84 GHz<br>-31.900 dBm  |   |  |
| 10 dB/div<br>Log   | Ref 20.00 dBm   | Ţ.   |  | -01.000 UBII   |   |  |
| 10.0   |   |  |  |  | Center Freq   |  |
| 0.00   |   |  |  | eleccepthete   | 2.365000000 GHz   |  |
| -10.0  |   |  |  |  |   |  |
| -20.0  |   |  |  | DL1 -26.95 dBm   | Start Freq  |  |
| -30.0  |   |  | 2  | DC1 - 20 95 dDm  | 2.30000000 GHz  |  |
| -40.0  |   | بريعة الكليم يتمقلونا  | and starting the second of the           | - Ve   |   |  |
| -50.0  |   |  |  |  |   |  |
| -60.0  |   |  |  |  | Stop Freq<br>2.43000000 GHz   |  |
| -70.0  |   |  |  |  | 2.43000000 GHZ  |  |
|  |   |  |  |  |   |  |
| Start 2.30<br>#Res BW  |   | 300 kHz  |  | Stop 2.43000 GHz<br>.800 ms (1001 pts)   | CF Step<br>13.000000 MHz  |  |
|  |   |  |  | FUNCTION VALUE   | Auto Man  |  |
| MKR MODE TR  | f 2.414 53 GHz  | 3.046 dBm  | PONCTION WIDTH                           | FUNCTION VALUE   |   |  |
| 2 N 1<br>3 N 1<br>4 N 1  | f 2.400 00 GHz  | -32.563 dBm<br>-42.590 dBm   |  |  | Freq Offset   |  |
| 4 N 1<br>5 N 1   | f 2.310 00 GHz  | -43.858 dBm<br>-31.900 dBm   |  |  | 0 Hz  |  |
| 6 N  | f 2.399 84 GHz  | -31.900 dBm  |  | E  |   |  |
| 7 8  |   |  |  |  | Scale Type  |  |
| 9<br>10  |   |  |  |  |   |  |
| 10   |   |  |  |  | Log <u>Lin</u>  |  |
| < [  |   | m  |  | •  |   |  |
| MSG  |   |  | STATU                                    |  |   |  |
|  | 11n20   | SISO_Ant1  | I_High_2                                 | 462  |   |  |
| 🛄 Keysight Spec  | trum Analyzer - Swept SA  |  |  |  | - 2 💌   |  |
| Cepter Fr  | RF 50 Ω DC eq 2.495000000 GHz   | SENSE:INT  | ALIGN AUTO<br>#Avg Type: RMS             | 08:11:49 AM Jun 18, 2020<br>TRACE 1 2 3 4 5 6  | Frequency   |  |
| Senter II  | NFE PNO: Fast +++<br>IFGain:Low   | Trig: Free Run A<br>#Atten: 30 dB  | Avg Hold: 300/300                        | TRACE 1 2 3 4 5 6<br>TYPE M WWWW<br>DET P P P P P P  |   |  |
|  |   |  | Mire                                     | 4 2.498 74 GHz   | Auto Tune   |  |
| 10 dB/div  | Ref Offset 19.79 dB<br>Ref 20.00 dBm  |  | MINI                                     | -40.622 dBm  |   |  |
| Log  |   | The second secon |  |  | ]   |  |
| 10.0   |   |  |  |  | Center Freq   |  |
| 0.00   | milational atte   |  |  |  | 2.495000000 GHz   |  |
| -10.0  |   |  |  |  |   |  |
| -20.0  |   |  |  | DL1 -27.08 dBm   | Start Freq  |  |
|  |   | 2 <b>4</b> 3   |  |  | 2.440000000 GHz   |  |
| -30.0  | ζ I I I X ()  | <b>V</b> ) <sup>-</sup>  |  |  |   |  |
| -40.0 -40.0  | Strather -  | alandala adda and  | Miner of the Alignee                     | hand and the second |   |  |
|  |   | anandahin matakatan magu   | intrine and provide the second           | bini ang balan an ang masar  | Ston Fred   |  |
| -40.0 -40.0  |   | wardar galikkatang   | เสราะเลาสมุมรากที่ไปสี่งสาม              | line and a state of the second se | Stop Freq<br>2.55000000 GHz   |  |
| -40.0<br>-50.0   |   |  | an a | hikkeystat an  | <b>Stop Freq</b><br>2.55000000 GHz  |  |
| -40.0<br>-50.0<br>-50.0<br>-70.0   | 000 GHz   | erhaanskrieter<br>k  | 1994 - January 1994 - Afrika Standor     | Stop 2.55000 GHz   | 2.55000000 GHz  |  |
| -40.0<br>-50.0<br>-60.0  |   | 300 kHz  | Sweep 4                                  | Stop 2.55000 GHz<br>.067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz   |  |
| 400<br>-500<br>-700<br>-700<br>  | 100 kHz #VBW  | 300 kHz  | Sweep 4                                  | .067 ms (1001 pts)   | 2.55000000 GHz  |  |
| 400<br>500<br>500<br>500<br>500<br>500<br>500<br>500   | 100 kHz #VBW  | 300 kHz  |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz   |  |
|  | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz   |  |
| 400<br>500<br>500<br>500<br>500<br>500<br>500<br>500   | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.000000 MHz<br><u>Auto</u> Man                                     |  |
|  | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.000000 MHz<br><u>Auto</u> Man<br>Freq Offset                      |  |
| 400<br>400<br>400<br>700<br>Start 2.44<br>#Res BW<br>102<br>102<br>102<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.000000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz              |  |
| 400<br>400<br>400<br>770<br>Start 2.44<br>#Res BW<br>1 N<br>3 N<br>1<br>3 N<br>5<br>7<br>8<br>9                                    | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type |  |
| 400<br>400<br>400<br>700<br>Start 2.44<br>#Res BW<br>102<br>102<br>102<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.000000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz              |  |
| 400<br>400<br>400<br>700<br>Start 2.44<br>#Res BW<br>ESENSOL<br>1 N 1<br>3 N 1<br>6<br>6<br>7<br>8<br>9<br>9<br>10<br>11           | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   | DN FUNCTION WIDTH                        | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type |  |
| -00<br>-00<br>-00<br>-00<br>-00<br>-00<br>-00<br>-00<br>-00<br>-00   | 100 kHz #VBW<br>521 X<br>f 2.464 42 GHz<br>f 2.483 50 GHz<br>f 2.500 00 GHz                   | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   |  | .067 ms (1001 pts)   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type |  |
| 400<br>400<br>400<br>400<br>400<br>400<br>400<br>400   | 100 KHZ #VBW<br>ECI X<br>f 2.463 42 GHz<br>f 2.463 50 GHz<br>f 2.600 00 GHz<br>f 2.498 74 GHz | 300 kHz<br>2.923 dBm<br>42.187 dBm<br>43.962 dBm   | DN FUNCTION WIDTH                        | .007 ms (1001 pts)<br>Fametronvaue   | 2.55000000 GHz<br>CF Step<br>11.00000 MHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type |  |



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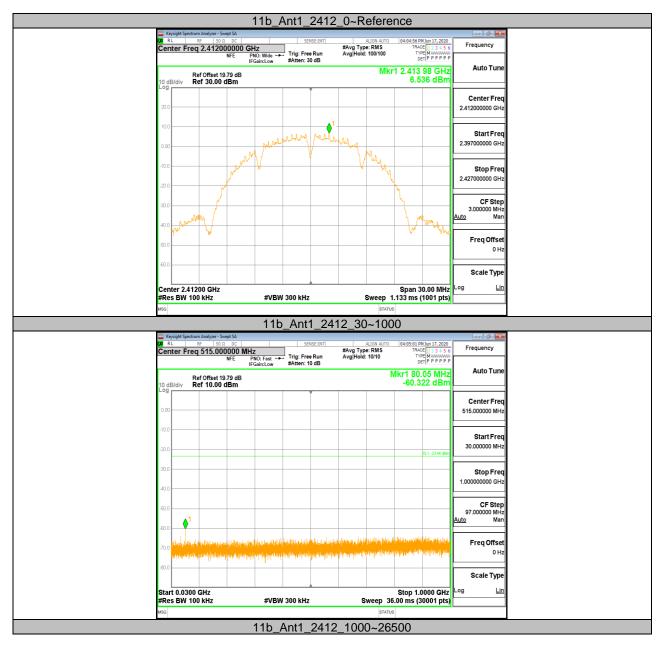
|        | Keysight Spectrum Analyzer - Swept SA  |   |   |  | - 6 ×   |  |
|--------|--|---|---|--|---|--|
|        |  |   |   |  |   |  |
| 9      | RL         RF         50 Ω         DC           Center Freq 2.372500000 GHz  | SENSE:INT   | #Avg Type: RMS                                    | 08:19:37 AM Jun 18, 2020<br>TRACE 1 2 3 4 5 6  | Frequency   |  |
|        | NFE PNO:   | Fast 🚓 Trig: Free Run   | Avg Hold: 300/300                                 | TRACE 1 2 3 4 5 6<br>TYPE M  |   |  |
| L      | IFGain   | :Low #Atten: 30 dB  |   | DET P P P P P  | 8.44 T.m.   |  |
|        | Ref Offset 19.79 dB  |   | Mkr5  | i 2.398 310 GHz  | Auto Tune   |  |
|        | 10 dB/div Ref 20.00 dBm  |   |   | -38.042 dBm  |   |  |
|        | Log  |   |   |  |   |  |
|        | 10.0   |   |   |  | Center Freq   |  |
|        | 0.00   |   |   | Mile willing and a state   | 2.372500000 GHz   |  |
|        | -10.0  |   |   | and have shared  |   |  |
|        | -20.0  |   |   |  |   |  |
|        |  |   |   | DL1 -29.58 bBm   | Start Freq  |  |
|        | -30.0  |   | $\int_{-\infty}^{3}$                              |  | 2.30000000 GHz  |  |
|        | -40.0  | معيهما بالمرابع المرابع مارا المرد م  | malowitzer  | ×  | L   |  |
|        | -50.0  |   |   |  |   |  |
|        | -60.0  |   |   |  | Stop Freq   |  |
|        | -70.0  |   |   |  | 2.445000000 GHz   |  |
|        |  |   |   |  |   |  |
|        | Start 2.30000 GHz  |   |   | Stop 2.44500 GHz   | CF Step   |  |
|        | #Res BW 100 kHz  | #VBW 300 kHz  |   | 5.333 ms (1001 pts)  | 14.500000 MHz   |  |
| E.     | MKR MODE TRC SCL X   | Y FU  | NCTION FUNCTION WDTH                              | FUNCTION VALUE   | <u>Auto</u> Man   |  |
| ľ      |  | Hz 0.423 dBm  |   |  |   |  |
|        | 1 N 1 f 2.419 480 G<br>2 N 1 f 2.400 000 G<br>3 N 1 f 2.390 000 G  | Hz -38.706 dBm  |   |  | Freq Offset   |  |
|        | 4 N 1 f 2.310 000 G  | Hz -43.251 dBm  |   |  | 0 Hz  |  |
|        | 5 N 1 f 2.398 310 G  | Hz -38.042 dBm  |   | E  |   |  |
|        | 7  |   |   |  |   |  |
|        | 8<br>9   |   |   |  | Scale Type  |  |
| I      | 10   |   |   |  | Log <u>Lin</u>  |  |
|        |  |   |   |  |   |  |
|        | 11   |   |   | -  |   |  |
|        | 11<br>•  | m   |   | •  |   |  |
|        | II IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII   | m   | STATU   |  |   |  |
|        | II IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII   | "<br>1n40SISO_Ar  |   | S  |   |  |
| ,<br>v | 11<br>(ssg)<br>11  | <br>1n40SISO_Ar   |   | S  |   |  |
|        | 11<br>ssg<br>11<br>Keysight Spectrum Analyzer - Swept SA   | "<br>1n40SISO_Ar  | nt1_High_2  | s<br>452<br>08:43:33 AM Jun 18, 2020   |   |  |
|        | 11<br>12<br>1350<br>14<br>14<br>15<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14   | SENSE:INT   | nt1_High_2  | s<br>452<br>08:43:33 AM Jun 18, 2020   | Frequency   |  |
|        | 11<br>12<br>1350<br>14<br>14<br>15<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14<br>14   | SENSE:INT<br>Fast →→ Trig: Free Run   | nt1_High_24                                       | s<br>452   | Frequency   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swegt SA<br>RL RF S0.0 DC<br>Center Freq 2.487500000 GHz<br>NFE PNO:<br>IFGain  | SENSE:INT<br>Fast →→ Trig: Free Run   | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AMJun 18, 2020<br>TRACE [ 2 3 4 5 6<br>TYPE[ M WWWWW<br>DET  P P P P P P   | Frequency   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swegt SA<br>R.L. RF ISO.0 DC<br>Center Freq 2.487 SOODO GHz<br>NFE PROI<br>Ref Offset 19.79 dB  | SENSE:INT<br>Fast →→ Trig: Free Run   | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYP       | Frequency   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swegt SA<br>RL RF S0.0 DC<br>Center Freq 2.487500000 GHz<br>NFE PNO:<br>IFGain  | SENSE:INT<br>Fast →→ Trig: Free Run   | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AMJun 18, 2020<br>TRACE [ 2 3 4 5 6<br>TYPE[ M WWWWW<br>DET  P P P P P P   | Frequency   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swegt SA<br>R.t. BF   50.0 0C<br>Center Freq 2.487500000 GHz<br>NFE PNO:<br>IFGain<br>Ref Offset 19.79 dB<br>0 dB/div Ref 20.00 dBm   | SENSE:INT<br>Fast →→ Trig: Free Run   | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYP       | Frequency   |  |
| u<br>C | 11<br>Keysight Spectrum Asalyzer - Sinest Sa<br>RRefSoC<br>Center Freq 2.487500000 GHz<br>NFE PNo:<br>NFE PNo:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:                             | Fast + Trig: Free Run<br>Low #Atten: 30 dB  | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYP       | Frequency Auto Tune Center Freq   |  |
|        | 11           11           11           11           11           11           11           11           11           11           11           11           11           11           11           11           12           13           14           15           11           12           13           14           15  | Fast + Trig: Free Run<br>Low #Atten: 30 dB  | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYP       | Frequency Auto Tune   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swept SA<br>R.L. RF IS 00 00 CO<br>Center Freq 2.487500000 GHz<br>NFE PRO:<br>IFGain<br>10 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm   | Fast + Trig: Free Run<br>Low #Atten: 30 dB  | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYP       | Frequency Auto Tune Center Freq   |  |
|        | 11<br>Koysigk Spectrum Analyzer - Sengt SA<br>RL RF S9 8 0C<br>Center Freq 2.487500000 GHz<br>NF PNG:<br>NF PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:<br>PNG:   | Fast + Trig: Free Run<br>Low #Atten: 30 dB  | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency Auto Tune Center Freq   |  |
|        | 11<br>Keysight Spectrum Analyzer - Swept SA<br>R.L. RF IS 00 00 CO<br>Center Freq 2.487500000 GHz<br>NFE PRO:<br>IFGain<br>10 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm<br>0 dB/div Ref 20.00 dBm   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>(08:43:33 AM Jun 18, 2020<br>TRACE [] 2 3 4 5 6<br>TYPE [] 3 4 5 7 7<br>TYPE [] 3 5 7 7<br>TYPE [] | Frequency Auto Tune Center Freq 2.487500000 GHz   |  |
|        | 11<br>Koysigk Spectrum Analyzer - Sengt SA<br>RL RF S9 8 0C<br>Center Freq 2.487500000 GHz<br>NF PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>PNO:<br>P | Fast Trig: Free Run<br>Flow #Atten: 30 dB   | ALIGN AUTO<br>#Avg Type: RMS<br>Avg Hold: 300/300 | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>2:487500000 GHz<br>Start Freq  |  |
|        | 11<br>12<br>1353<br>14<br>1555<br>15 Center Freq 2.48/5000 GHz<br>15 Center Freq 2.48/5000 GHz<br>10 dB/div Ref 20.00 dBm<br>10 dB/div Ref 20.00 dBm   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.425000000 GHz   |  |
|        | 11<br>11<br>12<br>13<br>14<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.42500000 GHz<br>Stop Freq   |  |
|        | 11  Exploit Spectrum Analyzer - Sergt SA Explored Spectrum Analyzer - Sergt SA Explor   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.425000000 GHz   |  |
|        | 11<br>11<br>12<br>13<br>14<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>(06:43:33 44 Jun 16,2020)<br>TRACE []: 7:3 4:5 6<br>THE [] Howsenson<br>corr [] P P P P<br>2:496 250 GHz<br>-40.231 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.42500000 GHz<br>Stop Freq   |  |
|        | 11  12  13  13  14  15  15  15  15  15  15  15  15  15   | Fast →→ Trig: Free Run<br>Low #Atten: 30 dB   | ht1_High_2  | s<br>452<br>198:33344 Jan 16, 2020<br>TRACE[]: 3:34 5 6<br>TREE    3:34 5 6<br>TREE    3:34 5 6<br>TREE    3:34 5 6<br>CL1: 28 54 6Bm<br>CL1: 28 54 6Bm  | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.425000000 GHz<br>2.55000000 GHz   |  |
|        | 11<br>12<br>13<br>14<br>15<br>15<br>15<br>15<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10   | Fast  | ht1_High_2  | s<br>452<br>108-3-33 20 34 5 6 2020<br>Trace [] : 3 4 5 6<br>Trace [] : 3 4 5 6<br>10 - 10 - 10 - 10<br>2.496 250 GHz<br>-40.231 dBm<br>   | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.425000000 GHz<br>Stop Freq<br>2.55000000 GHz  |  |
|        | 11  Keysight Spectrum Analyzer - Singet SA  R  | Trig: Free Run<br>#Atten: 30 dB   | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10                           | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>Start Freq<br>2.425000000 GHz<br>2.55000000 GHz   |  |
|        | 11<br>11<br>12<br>13<br>13<br>14<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15   | Fast  Trig: Free Run Atten: 30 dB   | ht1_High_2  | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency           Auto Tune           Center Freq           2.487500000 GHz           2.425000000 GHz           Stop Freq           2.55000000 GHz           CF Step           12.500000 MHz  |  |
|        | 11  Exployed Spectrum Advance - Serget SA  Exployed Spectrum Advance - Serget SA  Exployed Spectrum Advance - Serget SA  Ref Difference - Serg   | Trig: Free Run<br>tow #Atten: 30 dB<br>#U<br>#VBW 300 kHz<br>Hz 42.60 dBm<br>4 4 50 dBm   | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Stop         Stop           Center Freq         2.487500000 GHz           2.487500000 GHz         Stop Freq           2.455000000 GHz         Stop Freq           2.55000000 GHz         CF Step           12.500000 MHz         Man  |  |
|        | 11  Keydight Spectrum Analyzer - Snegt SA  R   | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>2.425000000 GHz<br>2.425000000 GHz<br>2.55000000 GHz<br>12.500000 MHz<br>Auto Man<br>Freq Offset  |  |
|        | 11  Explaint Spectrum Analyzer - Serget SA  Explaint Spectrum Analyzer - Serget SA  Explaint Spectrum Analyzer - Serget SA  R.t. Ser So 0 0 0 0  R.t. Ser So 0  R.t.   | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Stop         Stop           Center Freq         2.487500000 GHz           2.487500000 GHz         Stop Freq           2.455000000 GHz         Stop Freq           2.55000000 GHz         CF Step           12.500000 MHz         Man  |  |
|        | 11  556  56  56  56  56  56  56  56  56  | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>2.425000000 GHz<br>2.425000000 GHz<br>2.55000000 GHz<br>12.500000 MHz<br>Auto Man<br>Freq Offset  |  |
|        | 11<br>11<br>12<br>13<br>13<br>14<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15<br>15   | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency           Auto Tune           Center Freq           2.487500000 GHz           Start Freq           2.425000000 GHz           Stop Freq           2.55000000 GHz           CF Step           12.500000 MHz           Auto           Man           Freq Offset           0 Hz |  |
|        | 11         11           155         1           16         R. L         RC         130.00         CC           17         R. L         RC         130.00         CC           10         R. L         RC         100.00         CC           10         REf         2.487.5000         GE         PRo:           10         Ref         0.00         CO         CO         CO           10         0         0         0         0         CO  | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>2.425000000 GHz<br>2.55000000 GHz<br>2.55000000 GHz<br>2.5500000 GHz<br>2.5500000 GHz<br>2.5500000 GHz<br>12.500000 GHz<br>12.500000 MHz<br>Auto Man<br>Freq Offset<br>0 Hz<br>Scale Type                                 |  |
|        | 11  Social Spectrum Analyses - See 5 S B  RL RE  | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency           Auto Tune           Center Freq           2.487500000 GHz           Start Freq           2.425000000 GHz           Stop Freq           2.55000000 GHz           CF Step           12.500000 MHz           Auto           Man           Freq Offset           0 Hz |  |
|        | 11         11           155         1           16         R. L         RC         130.00         CC           17         R. L         RC         130.00         CC           10         R. L         RC         100.00         CC           10         REf         2.487.5000         GE         PRo:           10         Ref         0.00         CO         CO         CO           10         0         0         0         0         CO  | Fast → Trig: Free Run<br>Low #Atten: 30 dB<br>41<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#VBW 300 kHz<br>#2060 dBm<br>Hz 42.060 dBm<br>Hz 42.070 dBm | ht1_High_2/                                       | s<br>452<br>106:43:33 Alban 16, 2020<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 3:4:5 6<br>Trace [] : 7:4:5 6<br>10:100 CHz<br>50:00 CHz<br>10:000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:00000 CHZ<br>10:0000 CHZ<br>10:0000 CHZ                               | Frequency<br>Auto Tune<br>Center Freq<br>2.487500000 GHz<br>2.425000000 GHz<br>2.55000000 GHz<br>2.55000000 GHz<br>2.5500000 GHz<br>2.5500000 GHz<br>2.5500000 GHz<br>12.500000 GHz<br>12.500000 MHz<br>Auto Man<br>Freq Offset<br>0 Hz<br>Scale Type                                 |  |

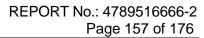
| Test Mode | Antenna | Channel | Verdict |
|-----------|---------|---------|---------|
|           |         |         | PASS    |
|           |         | 2412    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
| 11b       | Ant1    | 2437    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2462    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2412    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
| 11g       | Ant1    | 2437    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2462    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2412    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
| 11n20SISO | Ant1    | 2437    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2462    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2422    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
| 11n40SISO | Ant1    | 2437    | PASS    |
|           |         |         | PASS    |
|           |         |         | PASS    |
|           |         | 2452    | PASS    |
|           |         |         | PASS    |

## 10.6. Appendix F: Conducted Spurious Emission 10.6.1. Test Result

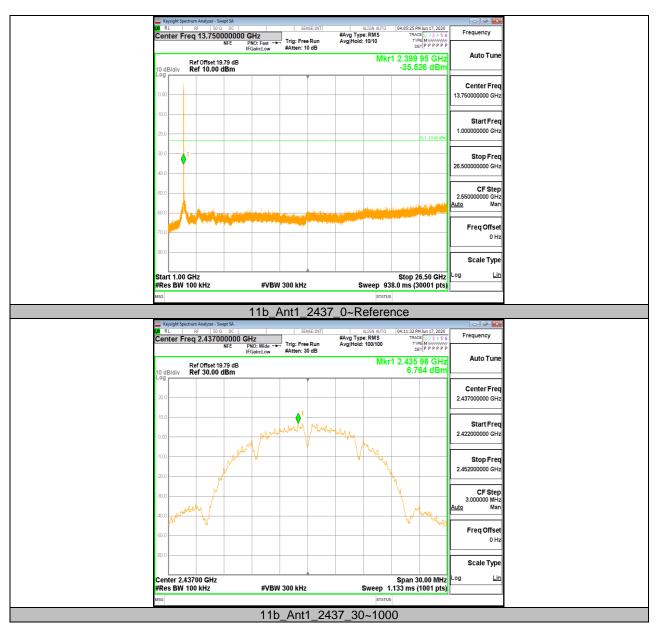


### 10.6.2. Test Graphs

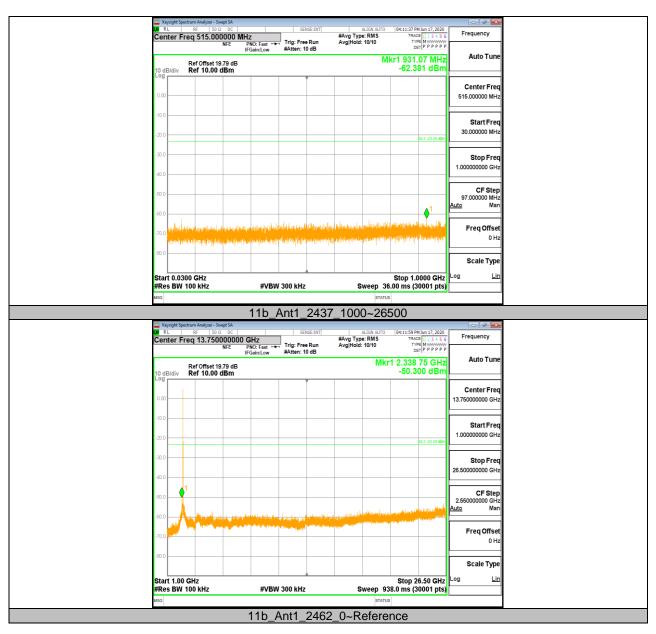


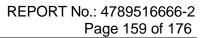




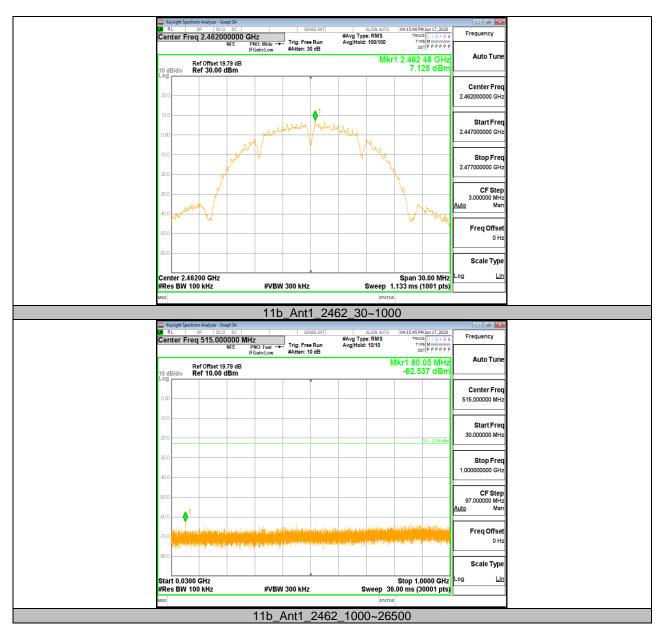






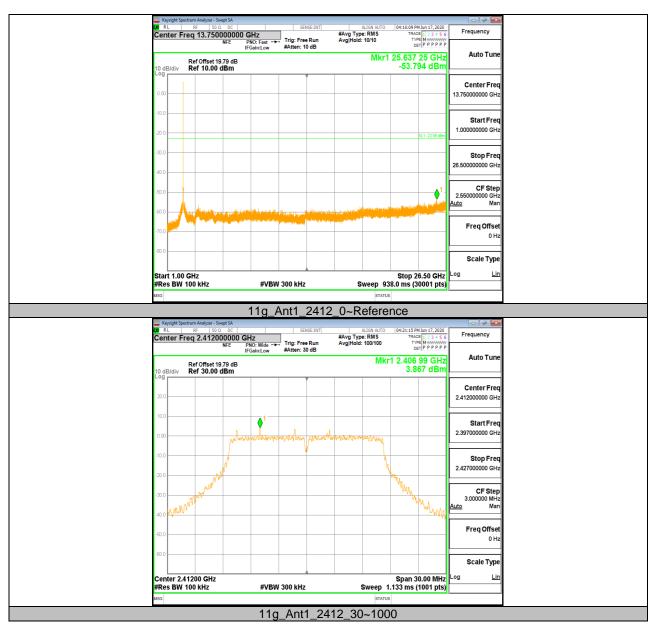


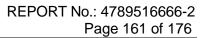






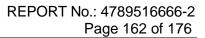
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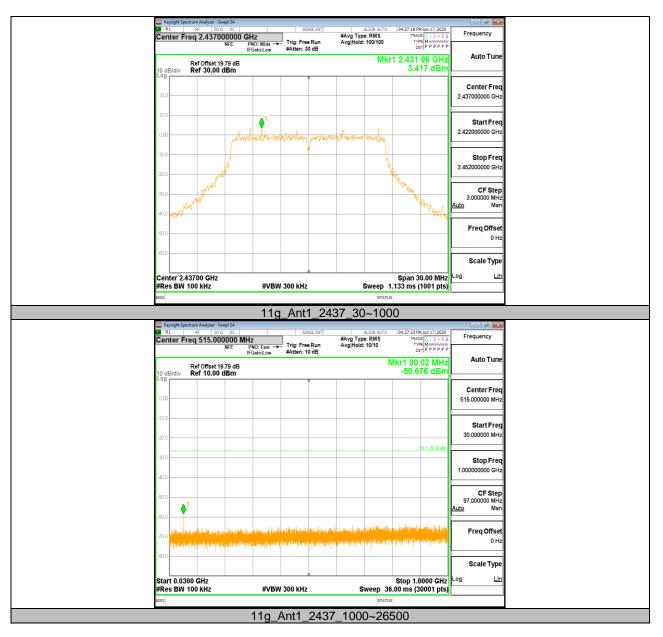


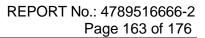


|  | Key   | sight Spectrur   | m Analyzer - Sw  | vept SA   |                                |                           |               |                      |                         | 04.04.000                  |  | - 2 ×   |
|--|---|--|--|---|--------------------------------|---------------------------|---------------|----------------------|-------------------------|----------------------------|--|---|
|  | onf   | ter Fred   | RF 50 Ω  | 0000 MH   | 7                              | SE                        | NSE:INT       | #Ava Tvp             | e: RMS                  | 04:21:20 F                 | PM Jun 17, 2020  | Frequency   |
|  | en  |  | 1313.000   | NFE P   | PNO: Fast 🔸                    | Trig: Fre                 |               | Avg Hold             | 10/10                   | T                          | ACE 1 2 3 4 5 6<br>YPE M WWWW<br>DET P P P P P P             |   |
| _  |   |  |  | IF  | Gain:Low                       | #Atten: 1                 | 0 dB          |                      |                         |                            |  | Auto Tune   |
|  |   | R  | ef Offset 19   | .79 dB  |                                |                           |               |                      | ٨                       | /kr1 80                    | .05 MHz  | Auto Turie  |
| 10<br>Lo   | ) dB  | Vdiv R   | ef 10.00   | dBm   |                                |                           |               |                      |                         | -59.6                      | 640 dBm  |   |
| -  | 1   |  |  |   |                                |                           | Ť             |                      |                         |                            |  | Center Freq   |
|  | 100   |  |  |   |                                |                           |               |                      |                         |                            |  | 515.000000 MHz  |
|  |   |  |  |   |                                |                           |               |                      |                         |                            |  | 515.00000 MH2   |
| .10  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  |   |
| ~  | ~~  |  |  |   |                                |                           |               |                      |                         |                            |  | Start Freq  |
| .27  |   |  |  |   |                                |                           |               |                      |                         |                            |  | 30.000000 MHz   |
|  |   |  |  |   |                                |                           |               |                      |                         |                            | DL1 -26.13 dBm   |   |
| 3  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  |   |
|  |   |  |  |   |                                |                           |               |                      |                         |                            |  | Stop Freq<br>1.00000000 GHz   |
| -40  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  | 1.00000000 GHz  |
|  |   |  |  |   |                                |                           |               |                      |                         |                            |  |   |
| -50  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  | CF Step<br>97.000000 MHz  |
|  |   | ▲1   |  |   |                                |                           |               |                      |                         |                            |  | Auto Man  |
| -60  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  |   |
|  |   |  | a frank  |   | hundality                      | دارند                     | diam to the   | and com              | and scattered the       | بالبابولية ا               | فارتقابتها م   |   |
| -70  | 0.0   |  |  |   |                                |                           |               |                      |                         |                            |  | Freq Offset   |
|  |   | ng ng high   | al and the second s | , Lity for disc                                   | alater (april                  | vili Nu <sup>l</sup> m    | a relative    | a the same           | alan da al a            | ل باغ يونيونو              | فالدلد والمعا  | 0 Hz  |
| -80  | 0.0   | 1.1  |  |   |                                |                           |               |                      |                         |                            |  |   |
|  |   |  |  |   |                                |                           |               |                      |                         |                            |  | Scale Type  |
|  |   |  | <b>0</b> 11-   |   |                                |                           |               |                      |                         | <b>0</b> 1                 |  | Log <u>Lin</u>  |
| St #   | tart  | 0.0300<br>BW 100   | GHZ  |   | #\/D\A                         | 300 kHz                   |               |                      | waan 26                 | Stop 1.                    | .0000 GHz<br>30001 pts)                                      |   |
| ***  | RCS   | DAA 10   |  |   | #VDV                           | JUU KHZ                   |               |                      |                         |                            | 3000 i pisj  |   |
| MSC  | G   |  |  |   |                                |                           |               |                      | STATUS                  |                            |  |   |
|  |   |  |  |   | 11g_/                          | Ant1                      | 2412          | 100                  | 0~26                    | 500                        |  |   |
| 2.4.   | Key   | sight Spectrur   | m Analyzer - Sw  |   |                                |                           | -             |                      |                         |                            |  | - 2 ×   |
| C)XI   | RI  |  |  |   |                                |                           |               |                      |                         |                            |  |   |
|  |   |  | RF 50 Ω  | 2 DC  |                                | SE                        | NSE:INT       |                      | ALIGN AUTO              | 04:21:42                   | PM Jun 17, 2020  | 1   |
| Ce   | ent   | ter Freq   | م RF 50 0<br>13.750  | DC  <br>000000 0                                  |                                |                           |               | #Avg Typ             | e: RMS                  | TRA<br>T)                  | ACE 1 2 3 4 5 6  | Frequency   |
| Ce   | ent   | ter Fred   | RF 50 Ω<br>13.7500   | DC  <br>0000000 (                                 | GHz<br>PNO: Fast ↔<br>Gain:Low |                           | e Run         | #Avg Typ<br>Avg Hold | e: RMS<br>10/10         | TRA<br>TI<br>D             | ACE 1 2 3 4 5 6<br>MPE M                                     | Frequency   |
| Ce   | ent   | ter Freq   | 13.750   | DC 000000 0<br>NFE P                              | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | 1   |
| 10   | ent   | ter Freq   | ef Offset 19<br>ef 10.00 (   | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>MPE M                                     | Frequency   |
| 10   | ent   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune   |
| 10<br>Lo   |   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune Center Freq   |
| 10<br>Lo   | ent   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune   |
| 10.<br>0.  |   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune Center Freq   |
| 10<br>0.   |   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz  |
| <b>10</b><br>Lo<br>-10   | ent<br>) dB<br>) dB   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune Center Freq   |
| 10<br>Lo   | ent<br>) dB<br>) dB   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | 95 GHz<br>733 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>Start Freq  |
| 10<br>0.<br>-10  | ent<br>) dB<br>) dB<br>) 00 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | ACE 1 2 3 4 5 6<br>WPE M WWWWWW<br>DET P P P P P P<br>95 GHz | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.0000000 GHz  |
| 10<br>0.<br>-10  | ent<br>) dB<br>) dB   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | 95 GHz<br>733 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq   |
| 10<br>0.<br>-10<br>-20   | ent<br>) dB<br>99 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | 95 GHz<br>733 dBm  | Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.0000000 GHz  |
| 10<br>0.<br>-10  | ent<br>) dB<br>99 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | 95 GHz<br>733 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq   |
| 10<br>0.<br>-10<br>-20<br>-20<br>-40   | ent<br>dB<br>99<br>0.0 -  | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | 95 GHz<br>733 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>Start Freq<br>26.50000000 GHz   |
| 10<br>0.<br>-10<br>-20<br>-30  | ent<br>) dB<br>99 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ             | e: RMS<br>10/10         | TRA<br>TI<br>1<br>2.399    | DL1-2613-dEm   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           CF Step           2.55000000 GHz  |
| 10<br>0.<br>-10<br>-20<br>-40<br>-40   | ent<br>99<br>1.00 -<br>0.0 -<br>0.0 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10         | 1 2.399<br>-30.7           | DL1-2613 dbs   | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>1.00000000 GHz<br>Start Freq<br>26.50000000 GHz<br>CF Step  |
| 10<br>0.<br>-10<br>-20<br>-30<br>-40<br>-40  | ent<br>dB<br>99<br>0.0 -  | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run         | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | 1 2.399<br>-30.7           | DL1-2613 dbs   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           CF Step           2.55000000 GHz  |
| 10<br>0.<br>-10<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-2                       | ent<br>) dB<br>99 -<br>0.0 -<br>0.0 -<br>0.0 -  | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | 1 2.399<br>-30.7           | DL1-2613 dbs   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           CF Step           2.55000000 GHz  |
| 10<br>0<br>-10<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-22<br>-2                        | ent<br>99<br>1.00 -<br>0.0 -<br>0.0 -   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | 1 2.399<br>-30.7           | DL1-2613 dbs   | Start Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           CF Step           2.55000000 GHz  |
| 10<br>0<br>-10<br>-20<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-4                 | ent<br>) dB<br>) dB   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | 1 2.399<br>-30.7           | DL1-2613 dbs   | Frequency<br>Auto Tune<br>Center Freq<br>13.75000000 GHz<br>Start Freq<br>26.50000000 GHz<br>25.50000000 GHz<br>2.550000000 GHz<br>Auto Man<br>Freq Offset  |
| 10<br>0.<br>-10<br>-20<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-4                | ent<br>) dB<br>99 -<br>0.0 -<br>0.0 -<br>0.0 -  | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | 1 2.399<br>-30.7           | DL1-2613 dbs   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           2.55000000 GHz           Auto Man           Freq Offset           0 Hz  |
| 10<br>0.<br>-10<br>-20<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-40<br>-4                | ent<br>) dB<br>) dB   | ter Freq   | 13.7500  | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO East ++                     | Trig: Fre                 | e Run<br>0 dB | #Avg Typ<br>Avg Hold | e: RMS<br>10/10<br>Mkr  | таки<br>с 1 2.399<br>-30.7 | CL 1-2613 dBm  | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           Auto Man           Freq Offset           0 Hz           Scale Type  |
| 10<br>0.<br>-10<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-2                       | ent<br>0 dB<br>9 g<br>0.0 -<br>0.0 -  | Inter Frequencies of the second secon | ef Offset 19<br>ef Offset 19<br>ef 10.00 /   | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO: Fast -><br>GaintLow        | Trig: Free<br>#Atten: 1   |               | #Avg Typ<br>Avg Hold |                         | TRA 12.399                 | 226.50 GHz   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           2.55000000 GHz           Auto Tune           P.255000000 GHz           Auto Treq           1.0000000 GHz           Scop Freq           2.55000000 GHz           Man           Freq Offset           0 Hz           Scale Type           Log         Lin |
| 10<br>0.<br>-10<br>-22<br>-23<br>-24<br>-25<br>-25<br>-25<br>-25<br>-25<br>-25<br>-25<br>-25<br>-25<br>-25 | ent<br>0 dB<br>9 g<br>0.0 -<br>0.0 -  |  | ef Offset 19<br>ef Offset 19<br>ef 10.00 /   | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO: Fast -><br>GaintLow        | Trig: Fre                 |               | #Avg Typ<br>Avg Hold |                         | TRA 12.399                 | CL 1-2613 dBm  | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           2.55000000 GHz           Auto Tune           P.255000000 GHz           Auto Treq           1.0000000 GHz           Scop Freq           2.55000000 GHz           Man           Freq Offset           0 Hz           Scale Type           Log         Lin |
| 10<br>0<br>-10<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-2                        | ent<br>0 dB<br>9 dB | Inter Frequencies of the second secon | ef Offset 19<br>ef Offset 19<br>ef 10.00 /   | 2 DC<br>0000000 C<br>NFE F<br>IF<br>0.79 dB       | NO: Fast -><br>GaintLow        | Trig: Free<br>#Atten: 1   |               | #Avg Typ<br>Avg Hold |                         | TRANS                      | 226.50 GHz   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           2.55000000 GHz           Auto Tune           P.255000000 GHz           Auto Treq           1.0000000 GHz           Scop Freq           2.55000000 GHz           Man           Freq Offset           0 Hz           Scale Type           Log         Lin |
| 10<br>10<br>-10<br>-22<br>-23<br>-24<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-4  | ent<br>0 dB<br>9 dB | Inter Frequencies of the second secon | ef Offset 19<br>ef Offset 19<br>ef 10.00 /   | 2 DC<br>000000 C<br>NFE F<br>IF<br>0.79 dB<br>dBm | NO: Fast -><br>GainLow         | J Trig: Free<br>#Atten: 1 |               | #Avg Typ<br>Avg Hold | E: FM S<br>10/10<br>Mkr | TRANS                      | 226.50 GHz   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           2.55000000 GHz           Auto Tune           P.255000000 GHz           Auto Treq           1.0000000 GHz           Scop Freq           2.55000000 GHz           Man           Freq Offset           0 Hz           Scale Type           Log         Lin |
| 00<br>-10<br>-22<br>-33<br>-44<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45<br>-45              | ent<br>0 dB<br>9 dB | Inter Frequencies of the second secon | ef Offset 19<br>ef Offset 19<br>ef 10.00 /   | 2 DC<br>000000 C<br>NFE F<br>IF<br>0.79 dB<br>dBm | NO: Fast -><br>GaintLow        | J Trig: Free<br>#Atten: 1 |               | #Avg Typ<br>Avg Hold | E: FM S<br>10/10<br>Mkr | TRANS                      | 226.50 GHz   | Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           2.55000000 GHz           Auto Tune           P.255000000 GHz           Auto Treq           1.0000000 GHz           Scop Freq           2.55000000 GHz           Man           Freq Offset           0 Hz           Scale Type           Log         Lin |

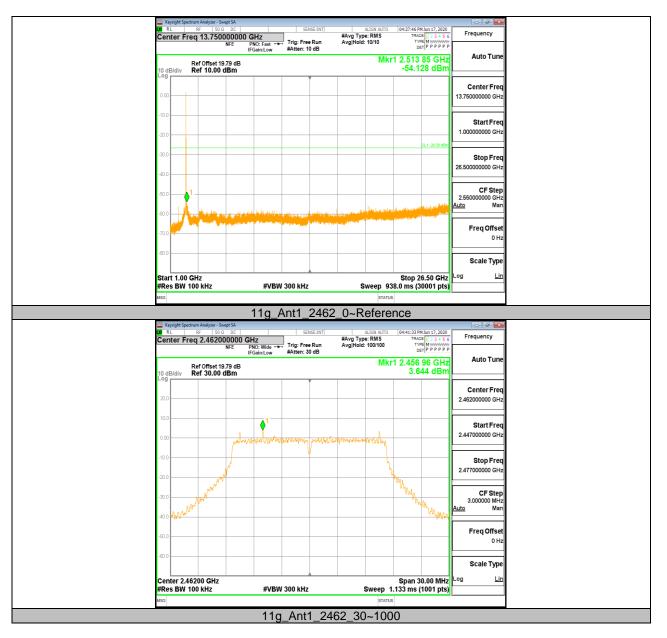


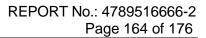






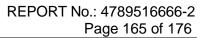




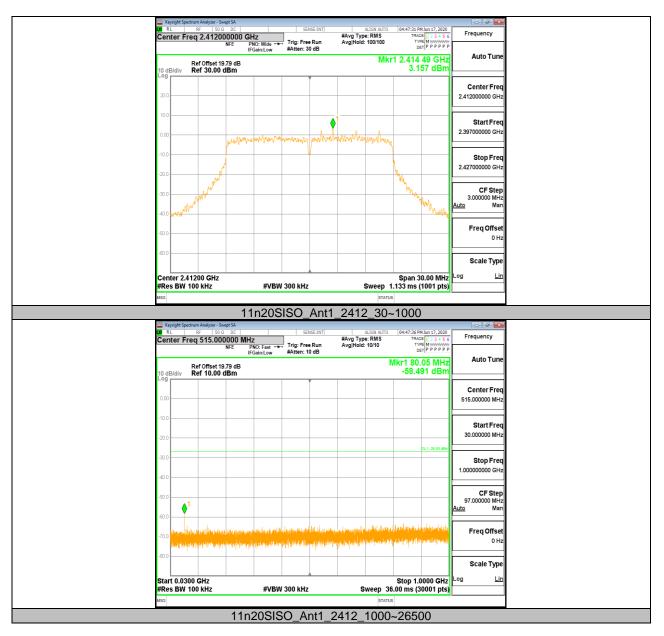


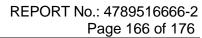


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|--|---|-------------------|-------------|-----------------------|-------------------|--------------|----------------|--------------------------|---------------|-------------|---------------|---------------------|---------------------------------|--|
| Center Freq 51.0000         Mark Biologic Mark Biologi   |   | (eysigh           | ght Spectru | ım Analyzer           | r - Swept !       | SA           |                |                          |               |             |               |                     |                                 | - 2 -  |
| Auto Tune<br>Ref Offset 15.73 dB<br>Ref 0.50 0 Bm<br>Ref                    | Cer   | nter              | er Fred     | n 515 (               |                   | 00 MH:       | 7              | 1 58                     | ASE:INT       | #Ava Tvp    | e: RMS        | 04:41:38 P<br>TRA   | MJun 17, 2020<br>CE 1 2 3 4 5 6 | Frequency  |
| Ref offset 15.73 dB         Auto Tune           10 gBtdir         Ref 10.00 dBm         -59.017 dBm           10 gBtdir         Ref 10.00 dBm         -50.0000 MHz           10 gBtdir         Ref 10.00 dBm         -50.0000 MHz           10 gBtdir         Ref 10.00 dBm         -50.0000 MHz           10 gBtdir         Ref 10.000 GHz         -50.0000 GHz           10 gBtdir         Ref 10.000 GHz         Stop 10.000 GHz           10 gBtdir         Ref 00.000 GHz         Stop 10.000 GHz           10 gBtdir         Ref 10.000 GHz         Stop 10.000 GHz           10 gBtdir         Ref 10.000 GHz         Stop 10.000 GHz           10 gBtdir         Ref 10.000 GHz         Tig: Free Rin<br>EGBtdir         Aug Type Rin<br>Aug Type Rin<br>Start 1.00 GHz         Start 10 gB           10 gBtdir         Ref 10.000 GBm         -50.081 dBm         Start 10 gB         -50.081 dBm           10 gBtdir         Ref 10.000 GBm         -50.081 dBm         -50.081 dBm           10 gBtdir         Ref 1  | 001   | noi               | 11100       | 9 0 10.0              |                   | F P          | NO: Fast +>    |                          |               | Avg Hold    | : 10/10       | TY                  |                                 |  |
| Ref 0.00 dBm       Mill 100.02 mTr         00       00       00       00         00       00       00       00       00         00       00       00       00       00       00         00       00       00       00       00       00         00       00 <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Gain:Low</td> <td>#Atten: 1</td> <td>UGB</td> <td></td> <td></td> <td></td> <td></td> <td>Auto Tune</td>   |   |                   |             |                       |                   |              | Gain:Low       | #Atten: 1                | UGB           |             |               |                     |                                 | Auto Tune  |
| Control         Center Freq           0.0            |   |                   | R           | Ref Offse             | et 19.79          | dB           |                |                          |               |             | n             |                     |                                 |  |
| Start 0.000 GHz<br>Start 0.000 GHz<br>Start 1.00 G                                     | 10 d<br>Log   | 1Bigi.            | aiv R       | cer 10.0              | 00 aB             | m            |                |                          |               | 1           |               | -00.0               |                                 |  |
| Start 0.000 GHz<br>Start 0.000 GHz<br>Start 1.00 G                                     |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | Center Freq  |
| Start Freq 30.00000 MHz<br>Stop Freq<br>1.0000000 Hz<br>Start Freq 30.00000 MHz<br>Stop Freq<br>1.0000000 Hz<br>Start 0.0000 GHz<br>Start 0.0000 GHz<br>Start 0.0000 GHz<br>Start 0.000 GHz<br>Start 0.000 GHz<br>Start 1.00 GHz<br>St                                     | 0.00  | 0                 |             | _                     |                   |              |                | <u> </u>                 |               |             |               |                     |                                 |  |
| Start Freq 30.00000 MHz<br>Stop Freq<br>1.0000000 Hz<br>Start Freq 30.00000 MHz<br>Stop Freq<br>1.0000000 Hz<br>Start 0.0000 GHz<br>Start 0.0000 GHz<br>Start 0.0000 GHz<br>Start 0.000 GHz<br>Start 0.000 GHz<br>Start 1.00 GHz<br>St                                     |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| Start 0.0300 GHz<br>Start 0.0300 GHz<br>Start 1.00                                     | -10.0   |                   |             | -                     | _                 |              |                | -                        | -             |             |               |                     |                                 | 01   |
| 300       1  |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| 300       Stop Freq         400       Stop Freq         510       Stop Freq <td< td=""><th>-20.0</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>30.000000 MH2</td></td<>  | -20.0   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 30.000000 MH2  |
| abd       a  |   | $\vdash$          |             |                       |                   |              |                | <u> </u>                 |               |             |               |                     | DL1 -26.36 dBn                  |  |
| CF Step<br>300<br>400<br>400<br>400<br>400<br>400<br>400<br>400  | -30.0   | 1                 |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| Group       Image: Control of the second of th   |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 1.00000000 GHz   |
| 000000000000000000000000000000000000   | -4U.U   | 1                 |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| and  | -sn n   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | CF Step  |
| Image: Start 0.0300 GHz       Freq Offset 0.000 GHz       Start 0.0300 GHz       Storp 1.0000 GHz         Image: Start 0.0300 GHz       #VBW 300 KHz       Storp 1.0000 GHz       Storp 1.0000 GHz         Image: Start 0.0300 GHz       #VBW 300 KHz       Storp 1.0000 GHz       Storp 1.0000 GHz         Image: Start 0.0300 GHz       #VBW 300 KHz       Storp 1.0000 GHz       Image: Start 0.0300 GHz         Image: Start 0.0300 GHz       #VBW 300 KHz       Store 1.0000-265000       Image: Start 0.000 GHz         Image: Start 0.0300 GHz       Frequency       Image: Start 0.0300 GHz       Image: Start 0.0300 GHz         Image: Start 0.0300 GHz       Frequency       Image: Start 0.0300 GHz       Image: Start 0.0300 GHz         Image: Start 0.0300 GHz       Frequency       Image: Start 0.0300 GHz       Image: Start 0.0300 GHz         Image: Start 0.00 GHz       Frequency       Image: Start 0.0300 GHz       Image: Start 0.0300 GHz         Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz         Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz         Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz         Image: Start 0.00 GHz       Image: Start 0.00 GHz       Image: Start 0.00 GHz </td <th>-30.0</th> <td>Έ</td> <td>A1</td> <td></td>   | -30.0   | Έ                 | A1          |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| International dataset of the second of th  | .ann  | ۱L                | <b>•</b>    |                       |                   |              |                |                          |               |             |               |                     |                                 | Auto Man   |
| 0.00       0.000   | 00.0  | 1                 |             |                       |                   |              |                |                          |               |             | a daa         | و الماريك و         |                                 |  |
| Scale Type<br>Start 0.0300 CHz<br>#Res BW 100 KHz<br>#VEW 300 KH | -70.0   | a <mark>44</mark> | in and      | hillion               | ppd b             | Manadal      |                |                          |               |             |               |                     |                                 |  |
| Scale Type<br>Start 0.0300 CHz<br>#Res BW 100 KHz<br>#VEW 300 KH |   | կրե               | 4 April 1   | H-LANDA               | is, Net           | harmal       | halabaha       | for feither,             | endersteller  | (féli)(esc) | 10 Particular | and the line        | an addae ado                    | 0 Hz   |
| Stop 1.000 GHz         Stop 1.000 GHz         Log         Frequency           Avglide: 1010         Twice list 373 dB         Mitr 1 2.484 10 GHz         Frequency           Ref offiset 18.73 dB         Mitr 1 2.484 10 GHz         Stop 10.000000 GHz           Center Freq         1.3750000000 GHz         Stop 10.000000 GHz           Center Freq         1.3750000000 GHz         Stop 16.00 GHz           Center Freq         1.375000000 GHz         Stop 16.00 GHz           Center Freq         1.375000000 GHz         Stop 16.00 GHz         Stop 26.5000000 GHz  | -80.0   |                   |             |                       |                   |              |                | <u> </u>                 |               |             |               |                     |                                 |  |
| #Res BW 100 kHz         #VBW 300 kHz         Sweep 36.00 ms (30001 pts)           usg         granue           11g_Ant1_2462_1000~26500         Image: Sweep 36.00 ms (30001 pts)           Keyedet Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           Auto Tune         MKr1 2.484.10 GHz         Frequency           10 dBrain         Ref Offset 19.79 dB         MKr1 2.484.10 GHz           10 dBrain         Ref 10.00 dBm         -S0.681 dBm           10 dBrain         Ref 10.00 dBm         -S0.50 GHz   |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | Scale Type   |
| #Res BW 100 kHz         #VBW 300 kHz         Sweep 36.00 ms (30001 pts)           usg         granue           11g_Ant1_2462_1000~26500         Image: Sweep 36.00 ms (30001 pts)           Keyedet Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           NE         Wind Spectrum Anagers - Sweep 38.00 ms (30000 OCHz         Frequency           Auto Tune         MKr1 2.484.10 GHz         Frequency           10 dBrain         Ref Offset 19.79 dB         MKr1 2.484.10 GHz           10 dBrain         Ref 10.00 dBm         -S0.681 dBm           10 dBrain         Ref 10.00 dBm         -S0.50 GHz   | C to  |                   | 0.0200      | CHa                   |                   |              |                | <u> </u>                 | <u> </u>      |             |               | Stop 1              | 0000 CH2                        | Loa Lin  |
| Intrus   |   |                   |             |                       |                   |              | #VBM           | / 300 kHz                | ,             | 5           | ween 36       | 50p 1.              | 30000 GHZ                       |  |
| 11g_Ant1_2462_1000~26500           Image: State of the second of the   |   |                   |             |                       |                   |              |                |                          |               |             |               | · · ·               | ,                               |  |
| Register         Served         Served         Served         Frequency           Center Freq 13.750000000 GHz         Frequency         AvgHold: 1010         The Frequency         Frequency           NE         Frequency         AvgHold: 1010         The Frequency         AvgHold: 1010         The Frequency           10         Block         Frequency         AvgHold: 1010         The Frequency         AvgHold: 1010         The Frequency           10         Block         Frequency         AvgHold: 1010         The Frequency         AvgHold: 1010         The Frequency           10         Block         Frequency         AvgHold: 1010         The Frequency         AvgHold: 1010         The Frequency           10         Block         Frequency         AvgHold: 1010         The Frequency         Auto Tune           10         Block         Frequency         AvgHold: 1010         The Frequency         Auto Tune           10         Block         Frequency         AvgHold: 1010         Frequency         Auto Tune           10         Block         Frequency         AvgHold: 1010         Frequency         Auto Tune           10         Block         Frequency         AvgHold: 1010         Frequency         AvgHold: 10100         Freq<   |   | -                 |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| III         Rt         R         90.0         Instruction         ALLONAUTOR         Product 12:33:56         Frequency           Center Freq 13.750000000 GHz         NFE         PNO: Fast +   |   |                   |             |                       |                   |              | 11 <u>g_</u> / | Ant1_                    | 2462          | _100        | 0~265         | 500                 |                                 |  |
| Center Freq 13.75000000 GHz         #Avg Type: RMS         Trace[]:3:3:5         Frequency           N°E         PRO Fast - T         Trig: Free Run         AvgHold: 1010         Trace []:3:3:5         Frequency           10         Ref Offset 13:73 dB         MKr1 2:484:10 GHz         Center Freq         Auto Tune           10         Ref 0:00 dBm         -50.681 dBm         -50.681 dBm         Start Freq           10   | Ke  | leysight<br>P I   | ght Spectru | ım Analyzer           | r - Swept !       | SA           |                |                          | NCLANT        |             |               | 04-42-01 0          | Miles 17, 2020                  | - 6 💌  |
| Nr E         Figure 10 dB         Mikr1 2.484 10 GHz         Auto Tune           10 dB/div         Ref 00%set 13.73 dB         Mikr1 2.484 10 GHz         Center Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Start Freq           10 dB/div         Ref 10.000000 GHz         -50.681 dBm         Start Freq           10 dB/div         Ref 10.000000 GHz         -50.681 dBm         Start Freq           10 dB/div         Ref 10.000000 GHz         -50.681 dBm         -50.680 dBm           10 dB/div         -50.681 dBm         -50.681 dBm         -50.681 dBm           10 dB/div         -50.681 dBm         -50.681 dBm         -50.681 dBm           10 dB/div         -50.681 dBm         -50.686 dBm         -50.686 dBm           10 dB/div         -50.686 dBm         -50.686 dBm         -50.686 dBm  |   |                   |             |                       |                   | 0000 G       | Hz             |                          |               | #Avg Typ    | e:RMS         | TRA                 | CE 1 2 3 4 5 6                  | Frequency  |
| Ref Offset 19.79 dB         Mkr1 2.484 10 GHz         Auto Tune           10 dB/div         Ref 10.00 dBm         -50.681 dBm         Center Freq           000         0         0         0         0         13.75000000 GHz           100         0         0         0         0         13.75000000 GHz           100         0         0         0         0         0         13.75000000 GHz           100         0         0         0         0         0         0         0           100            |   |                   |             |                       | NF                | E P          | NO:Fast 🔸      | " Trig: Fre<br>#Atten: 1 | e Run<br>0 dB | Avg Hold    | : 10/10       | D                   | ET P P P P P P                  |  |
| 10 Bidly         Ref 10.00 dBm         -50.681 dBm           0.00         Image: constraint of the second of   |   |                   | _           |                       |                   |              | Gameow         |                          |               |             | Mkr           | 1 2 484             | 10 GHz                          | Auto Tune  |
| Log         Center Freq           0.00         0         0         0         0         0         13.75000000 GHz           100         <   | 10 d  | dB/di             | liv R       | Ref Offse<br>Ref 10.0 | et 19.79<br>00 dB | ∂dB<br>mr    |                |                          |               |             |               | -50.6               | 81 dBm                          |  |
| 000         13.76000000 GHz           100         11.00000000 GHz           100         11.00000000 GHz           100         11.0000000 GHz           100         11.00000000 GHz           11.0000000 GHz         11.00000000 GHz           11.00000000 GHz         11.00000000 GHz           11.000000000 GHz         11.000000000 GHz           11.00000000 GHz         11.000000000 GHz           11.00000000 GHz         11.000000000 GHz           11.000000000 GHz         11.0000000000 GHz           11.00000000000000000000000000000000000   | Log   |                   |             |                       |                   |              |                |                          | -             |             |               |                     |                                 |  |
| 1000         10000         1000 <t< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Contor From</td></t<>  |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | Contor From  |
| Start Freq         Start Freq           300            |   | 0 —               | _           |                       |                   |              |                |                          |               |             |               |                     | · ·                             |  |
| Start Freq         Start Freq           300            | 0.00  | 1                 |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| 30         1.00000000 GHz           30         1.0000000 GHz           30         1.0000000 GHz           30         1.0000000 GHz           40         1.0000000 GHz           400         1.0000000 GHz     <  |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 |  |
| 300            |   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.750000000 GHz   |
| 300         Stop Freq           400         1           500         1           600         1           700         1           700         1           700         1           700         1           700         1           700         1           700         1           700  | -10.0   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq  |
| 400         1         1         255000000 GHz           500         1  | -10.0   |                   |             |                       |                   |              |                |                          |               |             |               |                     | 01.32.45                        | 13.75000000 GHz<br>Start Freq  |
| 400         1  | -10.0   | 0                 |             |                       |                   |              |                |                          |               |             |               |                     | DL1 -26 36 dBn                  | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz  |
| 400         1  | -10.0   | 0                 |             |                       |                   |              |                |                          |               |             |               |                     | DL1-26-36 dBn                   | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq   |
| 000         000 <th>-10.0<br/>-20.0<br/>-30.0</th> <td>0</td> <td></td> <td>DL1 -26 36 dBn</td> <td>13.75000000 GHz<br/>Start Freq<br/>1.00000000 GHz<br/>Stop Freq</td>   | -10.0<br>-20.0<br>-30.0   | 0                 |             |                       |                   |              |                |                          |               |             |               |                     | DL1 -26 36 dBn                  | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq   |
| Auto Man<br>Auto Man<br>Auto Man<br>FreqOffset<br>0Hz<br>Start 1.00 GHz<br>#Res BW 100 kHz #VBW 300 kHz Sweep 938.0 ms (30001 pts)   | -10.0<br>-20.0<br>-30.0   | 0                 |             |                       |                   |              |                |                          |               |             |               |                     | D.(1-26-36 dBn                  | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq<br>26.50000000 GHz  |
| Start 1.00 GHz         #VBW 300 kHz         Stop 26.50 GHz         Log         <   | -10.0<br>-20.0<br>-30.0<br>-40.0  | 0                 | 1           |                       |                   |              |                |                          |               |             |               |                     | DL1-28-36 dBn                   | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq<br>26.50000000 GHz<br>CF Step   |
| 300  | -10.0<br>-20.0<br>-30.0<br>-40.0  | 0                 |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.50000000 GHz<br>CF Step<br>2.550000000 GHz   |
| 300  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.50000000 GHz<br>CF Step<br>2.550000000 GHz   |
|  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0   |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>25.50000000 GHz<br>2.550000000 GHz<br><u>Auto</u> Man   |
| Start 1.00 GHz         Stop 26.50 GHz         Log         Lin           #Res BW 100 kHz         #VBW 300 kHz         Sweep         938.0 ms (30001 pts)  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-60.0  |                   | ,<br>,      |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq<br>26.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Auto Man<br>Freq Offset                       |
| Start 1.00 GHz         Stop 26.50 GHz         Log         Lin           #Res BW 100 kHz         #VBW 300 kHz         Sweep 938.0 ms (30001 pts)  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-60.0  |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>Stop Freq<br>26.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Auto Man<br>Freq Offset                       |
| #Res BW 100 kHz #VBW 300 kHz Sweep 938.0 ms (30001 pts)  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-60.0<br>-70.0                                     |                   |             |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.0000000 GHz<br>25.5000000 GHz<br>2.55000000 GHz<br>Auto Man<br>Freq Offset<br>0 Hz  |
| #Res BW 100 kHz #VBW 300 kHz Sweep 938.0 ms (30001 pts)  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-60.0<br>-70.0                                     |                   | ,<br>,      |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.0000000 GHz<br>25.5000000 GHz<br>2.55000000 GHz<br>Auto Man<br>Freq Offset<br>0 Hz  |
|  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-60.0<br>-70.0<br>-80.0                            |                   | 1.00 6      |                       |                   |              |                |                          |               |             |               |                     |                                 | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.5000000 GHz<br>25.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type |
| MSG STATUS   | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-50.0<br>-70.0<br>-80.0<br>-80.0<br>-80.0<br>-80.0 | 0                 | 1.00 GI     | Hz                    |                   | an a childhi |                |                          |               | S           | weep 93       | Stop 2              | 26.50 GHz                       | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.5000000 GHz<br>25.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type |
| 11p20CICO Aptil 2412 0 Deference   | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-50.0<br>-70.0<br>-80.0<br>-80.0<br>-80.0<br>-80.0 | 0                 | 1.00 GI     | Hz                    |                   |              |                |                          |               | S           | weep 93       | Stop 2<br>8.0 ms (3 | 26.50 GHz                       | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.5000000 GHz<br>25.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type |
| 11n20SISO_Ant1_2412_0~Reference  | -10.0<br>-20.0<br>-30.0<br>-40.0<br>-50.0<br>-50.0<br>-70.0<br>-80.0<br>-80.0<br>Stat<br>#Re    | 0                 | 1.00 GI     | Hz                    |                   |              | #VBW           | / 300 kHz                |               |             | STATUS        | Stop 2<br>8.0 ms (3 | 26.50 GHz<br>30001 pts)         | 13.75000000 GHz<br>Start Freq<br>1.00000000 GHz<br>26.5000000 GHz<br>25.5000000 GHz<br>CF Step<br>2.55000000 GHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type |

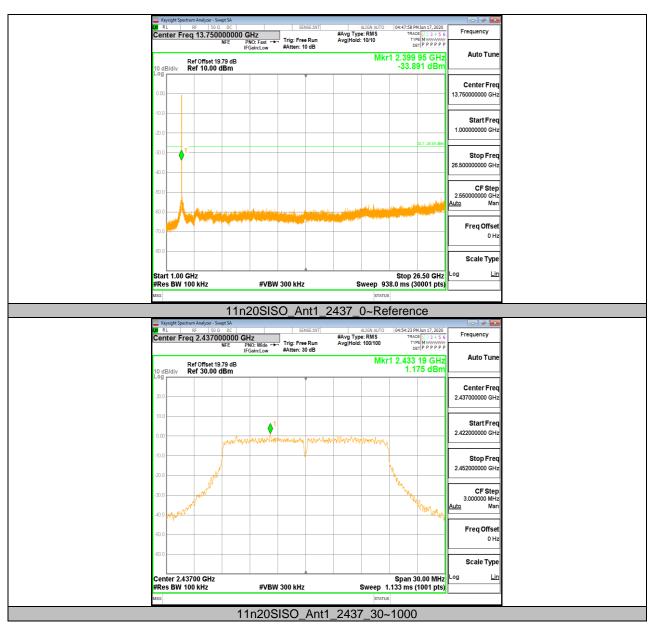














|   |                    |                       | _                 |                     |              |                                |              |                    |  |                      |                                       |  |  |   |
|---|--------------------|-----------------------|-------------------|---------------------|--------------|--------------------------------|--------------|--------------------|--|----------------------|---------------------------------------|--|--|---|
|   | Keysig<br>R L      | ht Spectru            |                   |                     |              | 1                              |              | CENT               | E:INT  | 1                    | ALTEN AUTO                            | 04-54-201  | PM Jun 17, 2020                          | - 6 ×   |
|   |                    |                       |                   | 5.000               | 000 M        | Hz<br>PNO: Fast<br>IFGain:Low  | Trig<br>#Att | : Free l<br>en: 10 | Run  | #Avg Typ<br>Avg Hold | e: RMS                                | TRA  | CE 1 2 3 4 5 6<br>PE M<br>ET P P P P P P | Frequency   |
| 10  | dB/c               | F<br>liv F            | Ref Off<br>Ref 10 | 'set 19.'<br>0.00 d | 79 dB<br>Bm  |                                |              |                    |  |                      | 1                                     | 0kr1 80<br>-58.8   | .05 MHz<br>17 dBm                        | Auto Tune   |
| Lo  |                    |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | Center Freq   |
| 0.0   |                    |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | 515.000000 MHz  |
| -10   |                    |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | Start Freq<br>30.000000 MHz   |
| -20   |                    |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  | DL1 -28.83 dBm                           |   |
| -30   | .0 =               |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | Stop Freq<br>1.00000000 GHz   |
| -40   | .0                 |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | CF Step   |
| -50   | .0 -               | <b>≬</b> <sup>1</sup> |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | 97.000000 MHz<br>Auto Man   |
| -60   | .0                 |                       | امريها            | Inda                | at he at a   | and no this                    |              | . ماديد            |  | e e e división       | 6.16.1116.1                           | Andread Arrest   | يدر المار الطري                          | Freq Offset   |
| -70   | .0<br>(11          | et el la facta        | il an i           | undiar              | al tradation | n ferfet skiller               | ahhaanha     | al faile           | di platina   | hered (rolid)        | - du sight                            | a shi na shi | (oltenalen)                              | 0 Hz  |
| -80   | .0 -               |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | Scale Type  |
| Sta   | art (              | 0.0300<br>BW 10       | GHZ               | 2                   |              | #\/F                           | 3W 300       | ×47                |  |                      | ween 36                               | Stop 1.  | 0000 GHz<br>30001 pts)                   | Log <u>Lin</u>  |
| MSG   |                    | 500 10                | V KI              | 2                   |              |                                |              | KI IZ              |  |                      | STATU                                 |  | 50001 pt3)                               |   |
|   |                    |                       |                   |                     |              | n20SI                          | SO_          | An                 | nt1_2  | 437_                 | 1000                                  | ~265   | 00                                       |   |
|   | Keysig<br>R L      | iht Spectru           |                   | yzer - Swe<br>50 Ω  | pt SA<br>DC  |                                | _            | SENS               | EINT   |                      | ALIGN AUTO                            | 04:54:51   | PM Jun 17, 2020                          |   |
| Ce  | ente               | r Fre                 | q 13.             |                     | 00000<br>NFE | GHz<br>PNO: Fast<br>IFGain:Low | Trig         | : Free l<br>en: 10 | Run<br>dB  | #Avg Typ<br>Avg Hold | e: RMS<br>: 10/10                     | TRA<br>T)  | CE 1 2 3 4 5 6<br>PE M<br>ET P P P P P P | Frequency   |
| 10  | dB/c               | fiv F                 | Ref Off<br>Ref 10 | 'set 19.'<br>0.00 d | 79 dB<br>Bm  |                                |              |                    |  |                      | Mkr1                                  | 25.897<br>-54.3  | 35 GHz<br>56 dBm                         | Auto Tune   |
| Lo  | ٩Ľ                 |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | Center Freq   |
| 0.0   | - 00               | +                     | -                 |                     |              | _                              | _            |                    |  |                      |                                       |  |  | 13.750000000 GHz  |
| -10   | .0 -               | +                     | -                 | _                   |              |                                |              | -                  |  |                      |                                       |  |  | Start Freq  |
| -20   | .0 -               | -                     |                   |                     |              |                                | _            |                    |  |                      |                                       |  |  | 1.000000000 GHz   |
| · · · ·                                       |                    |                       | _                 |                     |              | _                              | _            |                    |  |                      |                                       |  | DL1 -28.83 dBm                           | Stop Freq   |
| -30   |                    |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  |   |
| -30   |                    |                       | _                 | _                   |              |                                |              |                    |  |                      |                                       |  |  | 26.50000000 GHz   |
|   | .0                 |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | CF Step<br>2.55000000 GHz   |
| -40   | .0 -               |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | <b>CF Step</b><br>2.55000000 GHz<br><u>Auto</u> Man                               |
| -40<br>-50                                    | .0 0.<br>.0 0.     |                       |                   |                     |              |                                |              |                    |  |                      |                                       |  |  | CF Step<br>2.55000000 GHz   |
| -40<br>-50                                    | .0 - 0.<br>.0 - 0. |                       |                   |                     |              |                                |              |                    | an a sur |                      |                                       |  |  | CF Step<br>2.55000000 GHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz               |
| -40<br>-50<br>-70<br>-80<br>-80<br>-80<br>-80 | .0<br>.0<br>.0     | 1.00 G                |                   |                     |              |                                |              |                    |  |                      | elitad je garov<br>je tri do na stali |  | 26.50 GHz                                | CF Step<br>2.55000000 GHz<br><u>Auto</u> Man<br>Freq Offset                       |
| -40<br>-50<br>-70<br>-80<br>-80<br>-80<br>-80 | .0                 | 1.00 G<br>BW 10       |                   | 2                   |              | #                              | 300 300      | kHz                | ang sanga da   | s s                  | titul a tree<br>part go estil         | 38.0 ms (  | 26.50 GHz                                | CF Step<br>2.55000000 GHz<br><u>Auto</u> Man<br>Freq Offset<br>0 Hz<br>Scale Type |



#### REPORT No.: 4789516666-2 Page 168 of 176

| (X)  | RL  | ctrum Analyzer - Sv<br>RF   50 ຊ   | 2 DC   |  | SET   | VSE:INT       |                        | LIGN AUTO                             | 08:12:01 A                                  | M Jun 18, 2020   | Erection and   |
|--|---|--|--|--|---|---------------|------------------------|---------------------------------------|---|--|--|
| Ce   | nter Fr   | eq 2.4620  | NFE PN   | Z<br>O:Wide +>   | Trig: Free  | Run           | #Avg Type<br>Avg Hold: | 2: RMS<br>100/100                     | TRAI<br>TY                                  | CE 1 2 3 4 5 6<br>PE M ******                            | Frequency  |
|  |   |  | IFG  | 0:Wide ↔<br>ain:Low  | #Atten: 3   | 0 dB          |                        |                                       |   | ETPPPPP  | Auto Tune  |
| 10   | dB/div  | Ref Offset 19<br>Ref 30.00   | 0.79 dB<br>dBm                                     |  |   |               |                        | Mkr                                   | 1 2.466<br>2.5                              | 92 GHz<br>66 dBm   | Auto Tune  |
| ĹŎŷ  |   |  |  |  |   |               |                        |                                       |   |  | Center Freq  |
| 20.  | .0  |  |  |  |   |               |                        |                                       |   |  | 2.462000000 GHz  |
| 10.  | .0  |  |  |  |   |               |                        |                                       |   |  |  |
|  |   |  |  |  |   |               |                        |                                       |   |  | Start Freq<br>2.447000000 GHz  |
| 0.0  | .0  |  | MiniMany   | www  | membrering  | norm          | formal pap             | montering                             |   |  |  |
| -10.   | 0   | _  |  |  | <u> </u>  | -             |                        |                                       |   |  | Stop Freq  |
| -20.   | 0   | - A  |  |  |   |               |                        |                                       | 4   |  | 2.477000000 GHz  |
| -30.   |   | WWW  |  |  |   |               |                        |                                       | Wid La                                      |  | CF Step  |
| -30.   | ۰<br>۲  | What is  |  |  |   |               |                        |                                       | W   | Mar  | 3.000000 MHz<br><u>Auto</u> Man  |
| -40.   | 0 mgen  | 9  |  |  |   |               |                        |                                       |   | ma worder  |  |
| -50.   | 0   |  |  |  |   |               |                        |                                       |   |  | Freq Offset<br>0 Hz  |
| -60.   | 0   |  |  |  |   |               |                        |                                       |   |  |  |
|  |   |  |  |  |   |               |                        |                                       |   |  | Scale Type   |
|  |   | 6200 GHz   |  | 40 (514)   |   |               |                        |                                       | Span 3                                      | 80.00 MHz  | Log <u>Lin</u>   |
| #R<br>MSG  | es BW   | 100 kHz  |  | #VBW   | 300 kHz   |               | ;                      | SWEED 1.                              |   | (1001 pts)   |  |
|  |   |  | 11   | n20S   | USO .   | Ant1          | _2462                  |                                       |   | )  |  |
| -  | Keysight Spe  | ctrum Analyzer - Sv  |  | 1200   | 100_  | / unc i _     | _2 102                 | _00                                   | 1000  | /  |  |
|  |   |  |  |  |   |               |                        |                                       |   |  | - 2 💌  |
| Ce   | nter Fr   | RF 50 Ω  | 2 DC<br>0000 MHz                                   |  |   | NSE:INT       | #Avg Type              | LIGN AUTO                             | 08:12:06 A                                  | M Jun 18, 2020<br>CE 1 2 3 4 5 6                         | Frequency  |
| Ce   | nter Fr   | RF 50 S  |  | 0:Fast ↔<br>ain:Low  |   | Run           |                        | e: RMS<br>10/10                       | TRAI<br>TY<br>D                             | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P            | Frequency  |
| <u>Ce</u>  | nter Fr   | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6   | Frequency  |
| Ce   | nter Fr   | req 515.00   | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P<br>.02 MHz | Frequency Auto Tune  |
| <u>Ce</u>  | dB/div  | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P<br>.02 MHz | Frequency  |
| Ce<br>10.9   | dB/div  | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P<br>.02 MHz | Frequency Auto Tune Center Freq  |
| Ce<br>[0.<br>00<br>-10.  | dB/div  | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P<br>.02 MHz | Frequency Auto Tune Center Freq 515.00000 MHz Start Freq   |
| <b>Ce</b><br>10.0  | dB/div  | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | .02 MHz<br>78 dBm  | Frequency Auto Tune Center Freq 515.000000 MHz   |
| Се<br>[Ос<br>00<br>-10.  |   | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | CE 1 2 3 4 5 6<br>PE M WWWW<br>ET P P P P P P<br>.02 MHz | Frequency Auto Tune Center Freq 515.00000 MHz Start Freq   |
| <b>Co</b><br>10.0<br>-10.<br>-10.  |   | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | .02 MHz<br>78 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>Start Freq<br>30.00000 MHz   |
| <b>Ce</b><br>10.9<br>10.<br>10.<br>30.<br>40.  |   | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | .02 MHz<br>78 dBm  | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.00000 MHz<br>30.000000 MHz<br>Stop Freq<br>1.00000000 GHz<br>CF Step  |
| Co<br>10,<br>-10,<br>-30,<br>-30,  |   | RF 50 S<br>req 515.00  | 2 DC<br>0000 MHz<br>NFE PN<br>IFG<br>0.79 dB       | 0 Fast ++  | Trig: Free  | Run           | #Avg Type              | e: RMS<br>10/10                       | TRAI<br>TY<br>D<br>1kr1 80                  | .02 MHz<br>78 dBm  | Frequency           Auto Tune           Center Freq           515.00000 MHz           Start Freq           30.00000 MHz           Stop Freq           1.00000000 GHz           CF Step           97.000000 MHz |
| Cc<br>10.9<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0  |   | RF 50 C<br>req 515.001   | DOOD MH2<br>NFE PA<br>IFC<br>IFC<br>dBm            | 0: Fast ↔  | Trig: Free<br>#Atten: 1   | • Run<br>0 dB | #Avg Typ-<br>Avg Hold: | : RMS<br>10/10                        | 1RAI<br>9<br>1kr1 80<br>-62.3               | D(1-2743 dBm   | Frequency           Auto Tune           Center Freq           515.00000 MHz           Start Freq           30.00000 MHz           Stop Freq           1.00000000 GHz           CF Step           97.000000 MHz |
| Ce<br>10<br>10<br>-20<br>-30<br>-40<br>-50   |   | RF         ISO E           read 515.000         State           Ref Offset 15         Ref           Ref Offset 15         Ref           I         I           I         I  | vela, Livid  | Co. Fast ↔   | Trig: Free<br>#Atten: 1   | • Run<br>0 dB | #Avg Type<br>Avg Hold: | E RMS<br>10/10                        | 14kr1 80<br>-62.3                           | 2x1-2743 de  | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.000000 MHz<br>30.000000 GHz<br>1.00000000 GHz<br>1.0000000 GHz<br>CF Step<br>97.00000 MHz<br>Auto Man<br>Freq Offset                              |
| Сс<br>10.9<br>10.0<br>-20.<br>-20.<br>-20.<br>-20.<br>-70.   |   | RF 50 C<br>req 515.001   | vela, Livid  | Co. Fast ↔   | Trig: Free<br>#Atten: 1   | • Run<br>0 dB | #Avg Type<br>Avg Hold: | E RMS<br>10/10                        | 14kr1 80<br>-62.3                           | 2x1-2743 de  | Frequency           Auto Tune           Center Freq           515.00000 MHz           Start Freq           30.00000 GHz           CF Step           97.00000 GHz   |
| Сс<br>10.<br>10.<br>10.<br>10.<br>10.<br>10.<br>10.<br>10.<br>10.<br>10.   |   | RF         ISO E           read 515.000         State           Ref Offset 15         Ref           Ref Offset 15         Ref           I         I           I         I  | vela, Livid  | Co. Fast ↔   | Trig: Free<br>#Atten: 1   | • Run<br>0 dB | #Avg Type<br>Avg Hold: | E RMS<br>10/10                        | 14kr1 80<br>-62.3                           | 2x1-2743 de  | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.000000 MHz<br>30.000000 GHz<br>1.00000000 GHz<br>1.0000000 GHz<br>CF Step<br>97.00000 MHz<br>Auto Man<br>Freq Offset                              |
| Ce<br>20<br>10<br>-10<br>-10<br>-20<br>-20<br>-40<br>-50<br>-70<br>-70<br>-70<br>-70<br>-75<br>-75<br>-75<br>-75<br>-75<br>-75<br>-75<br>-75<br>-75<br>-75 | dB/div<br>dB/div<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | Ref Offset 15           Ref Offset 15           Ref Offset 15           II           III           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII  | vela, Livid  | Prefer the second  | Trig: Free<br>#Atten: 1   |               |                        | 1 (2010)                              | דאש איז | 00000 GHz  | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.00000 MHz<br>30.000000 GHz<br>1.00000000 GHz<br>1.0000000 GHz<br>CF Step<br>97.00000 MHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type              |
| Ce<br>10<br>10<br>-10<br>-10<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-20<br>-2  | dB/div  | Ref         Office         So concernence           Ref         Office         1           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence           Image: So concernence         Image: So concernence         Image: So concernence | vela, Livid  | President (19)   | Trig: Free<br>#Atten: 1   |               |                        | : : : : : : : : : : : : : : : : : : : | דאא איז איז איז איז איז איז איז איז איז א   | DL1-2743 dbn   | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.00000 MHz<br>30.000000 GHz<br>1.00000000 GHz<br>1.0000000 GHz<br>CF Step<br>97.00000 MHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type              |
| Ce<br>10<br>10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-  | dB/div  | Ref Offset 15           Ref Offset 15           Ref Offset 15           II           III           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII  | 2 DC<br>DOOO MH2<br>NFE PP<br>IFC<br>779 dB<br>dBm | (a) and a second s | Trig: Free #Atten: 1  Atten: 1  Att |               |                        | : : : : : : : : : : : : : : : : : : : | τεκκ<br>γ<br>-62.3<br>-62.3<br>             | 00000 GHz<br>00000 GHz                                   | Frequency<br>Auto Tune<br>Center Freq<br>515.00000 MHz<br>30.00000 MHz<br>30.000000 GHz<br>1.00000000 GHz<br>1.0000000 GHz<br>CF Step<br>97.00000 MHz<br>Man<br>Freq Offset<br>0 Hz<br>Scale Type              |