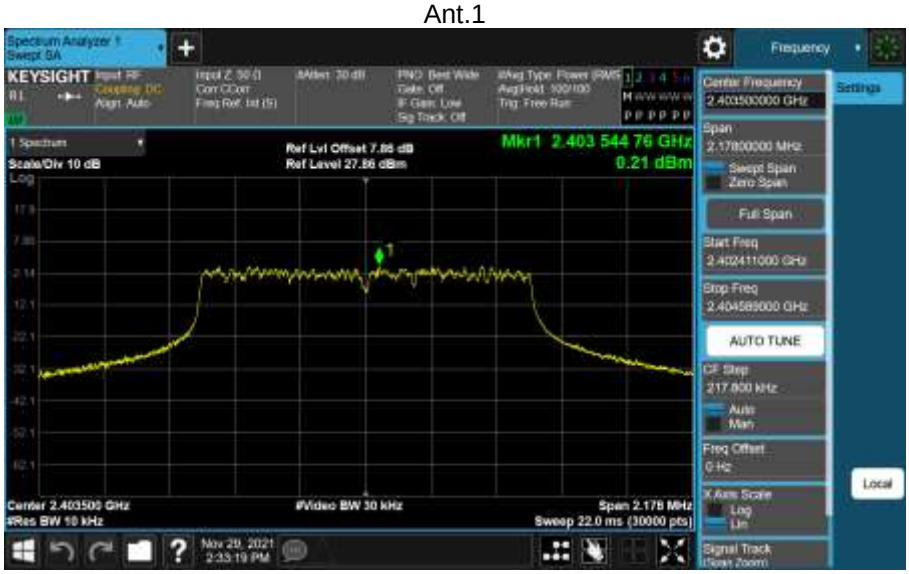
Appendix A: Test Results of 2.4GHz SDR

Note: All testing were carried out on SISO mode and MIMO mode, but only the worst case was presented in this report.

Appendix A.1: Test Results of Conducted Power Spectral Density

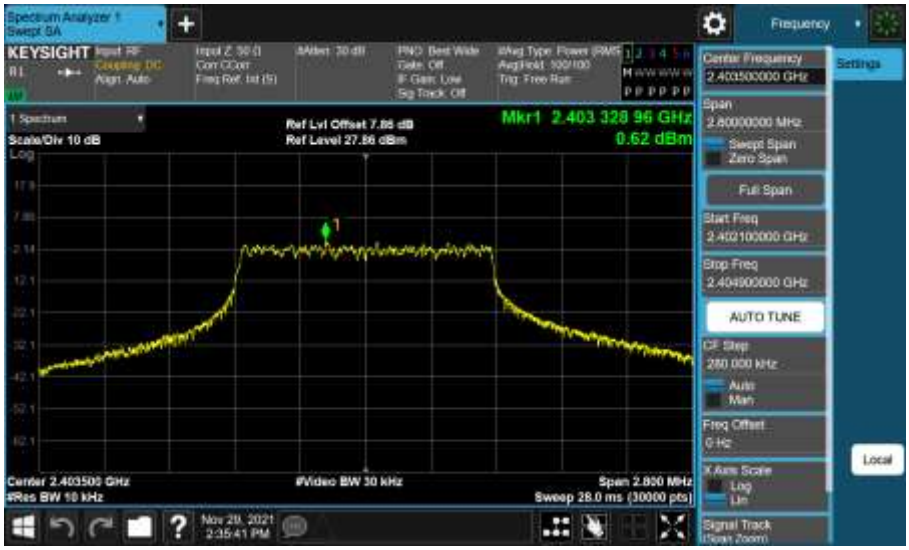
2.4GHz SDR, 1.4MHz BW
MIMO mode

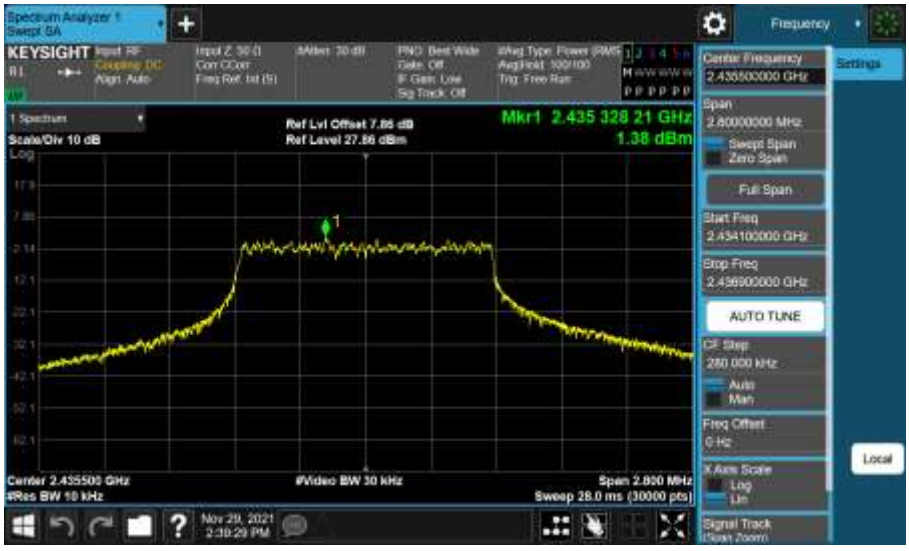
Ant.1

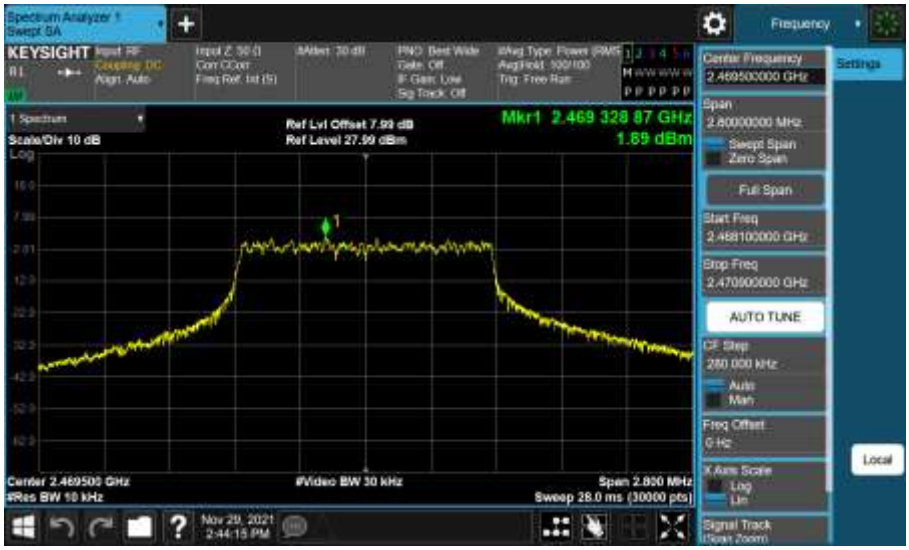



Mkr1 2.469 544 18 GHz
1.20 dBm
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Scale/Div 10 dB
Center 2.469500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.200 MHz
Sweep 22.0 ms (30000 pts)

Ant.2


Mkr1 2.403 328 96 GHz
0.62 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Scale/Div 10 dB
Center 2.403500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)

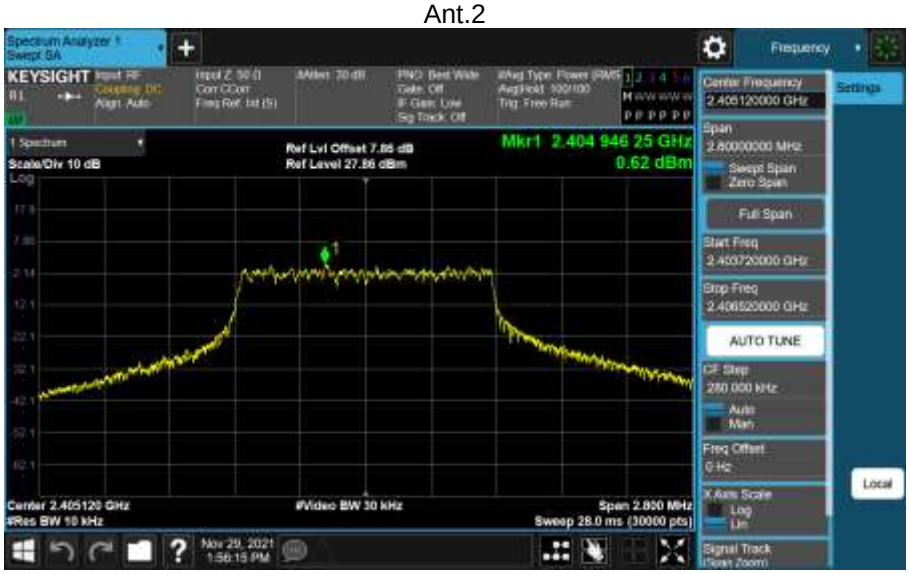

Mkr1 2.435 328 21 GHz
1.38 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Scale/Div 10 dB
Center 2.435500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)

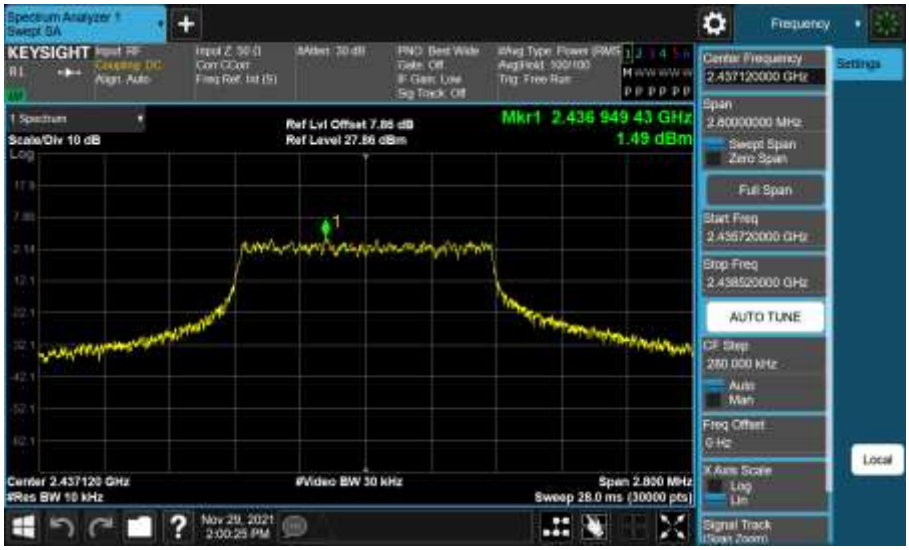

KEYSIGHT
Frequency
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Mkr1 2.469 328 87 GHz
1.69 dBm
Scale/Div 10 dB
Center Frequency
2.469500000 GHz
Span
2.80000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.468100000 GHz
Stop Freq
2.470900000 GHz
AUTO TUNE
CF Step
280.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
Settings
Local
Center 2.469500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)
Nov 29, 2021
2:44:15 PM

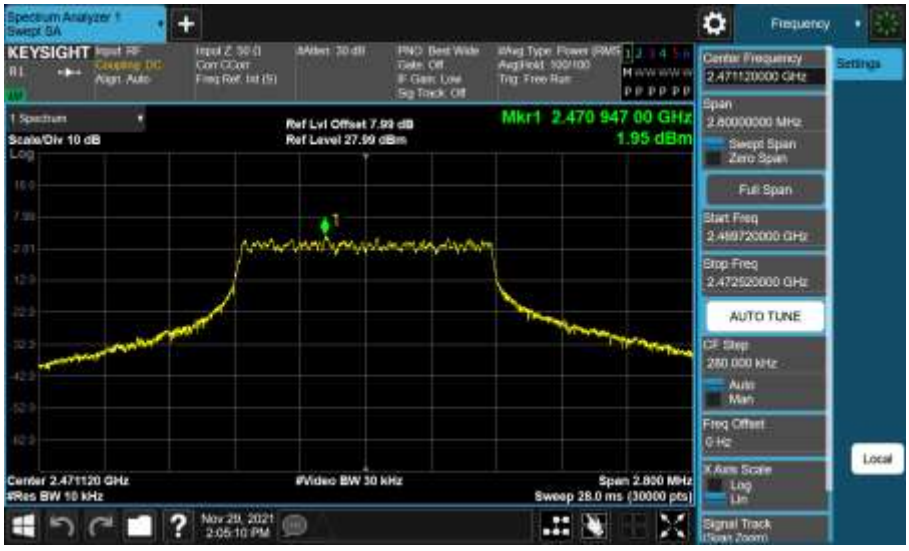
2.4GHz SDR, 1.4MHz BW CA mode
MIMO mode

Ant.1

Ant.2

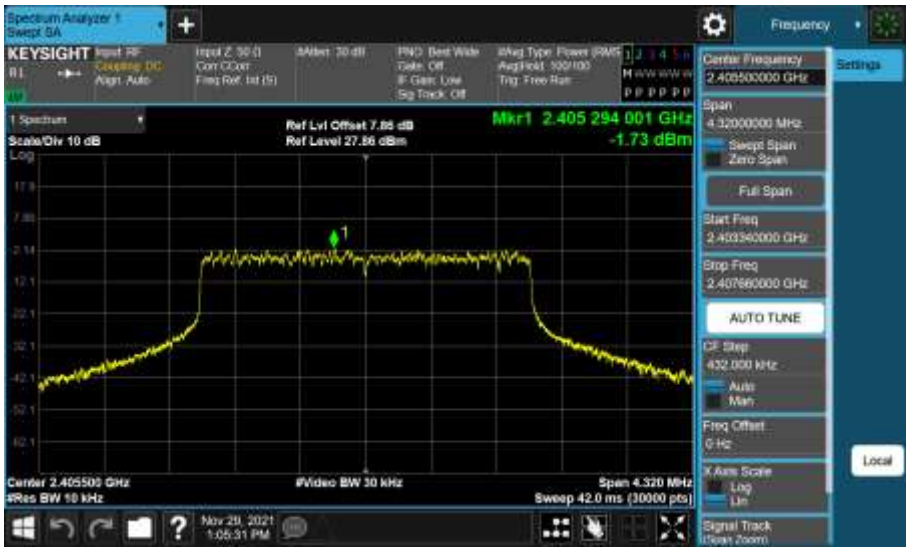

KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.404 946 25 GHz
0.62 dBm
Scale/Div 10 dB
Center 2.405120 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)
Center Frequency
2.405120000 GHz
Span
2.80000000 MHz
Full Span
Start Freq
2.403720000 GHz
Stop Freq
2.406520000 GHz
AUTO TUNE
CF Step
280.000 kHz
Freq Offset
0 Hz
Local

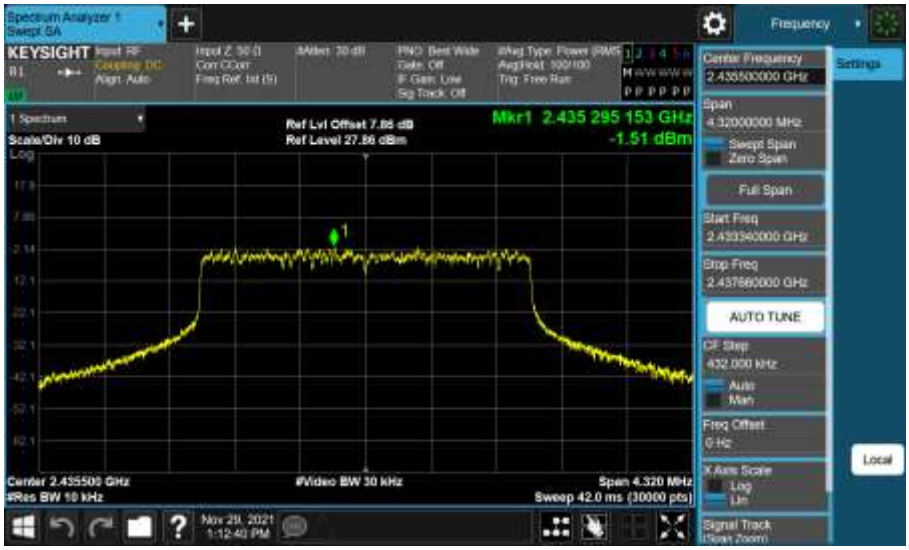

KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.436 949 43 GHz
1.49 dBm
Scale/Div 10 dB
Center 2.437120 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)
Center Frequency
2.437120000 GHz
Span
2.80000000 MHz
Full Span
Start Freq
2.435720000 GHz
Stop Freq
2.438520000 GHz
AUTO TUNE
CF Step
280.000 kHz
Freq Offset
0 Hz
Local

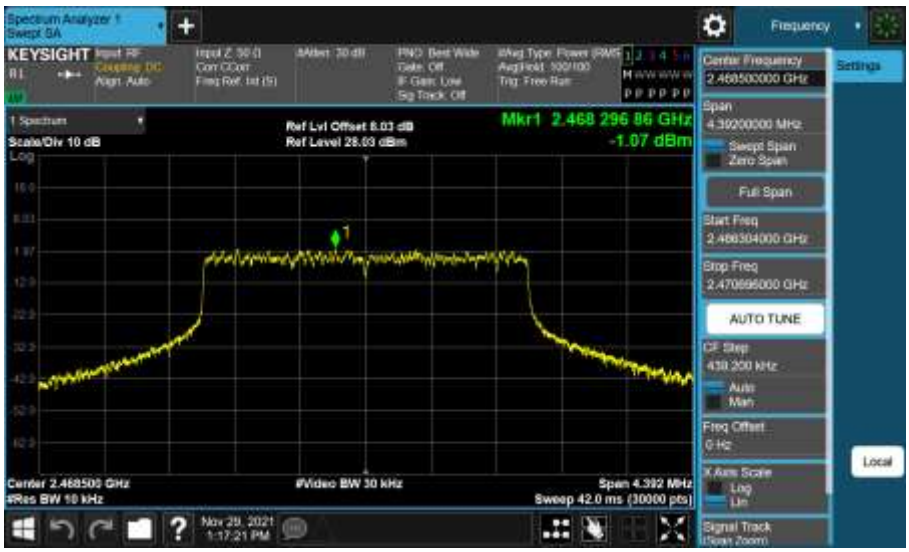

KEYSIGHT
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Mkr1 2.470 947 00 GHz
1.95 dBm
Scale/Div 10 dB
Center 2.471120 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 2.800 MHz
Sweep 28.0 ms (30000 pts)
Center Frequency
2.471120000 GHz
Span
2.80000000 MHz
Full Span
Start Freq
2.469720000 GHz
Stop Freq
2.472520000 GHz
AUTO TUNE
CF Step
280.000 kHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 3MHz BW
MIMO mode

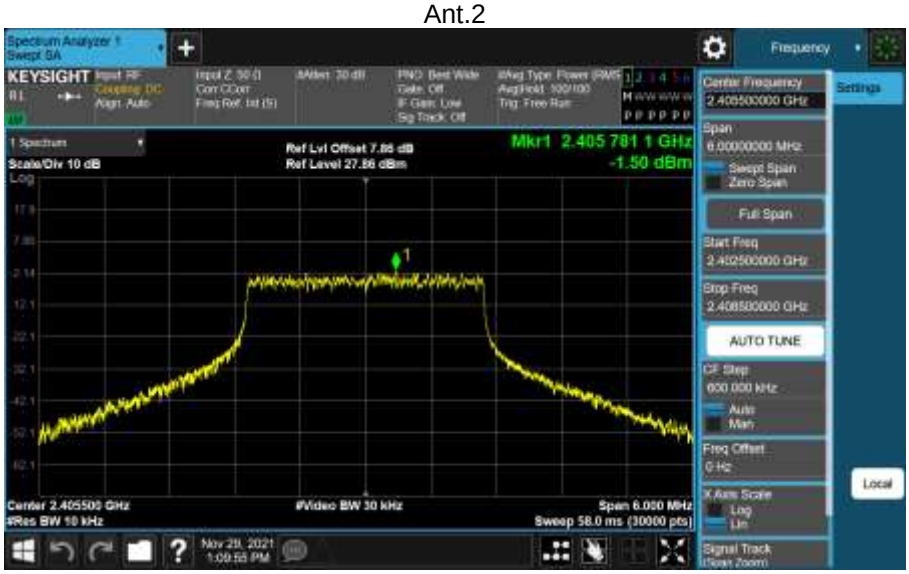
Ant.1

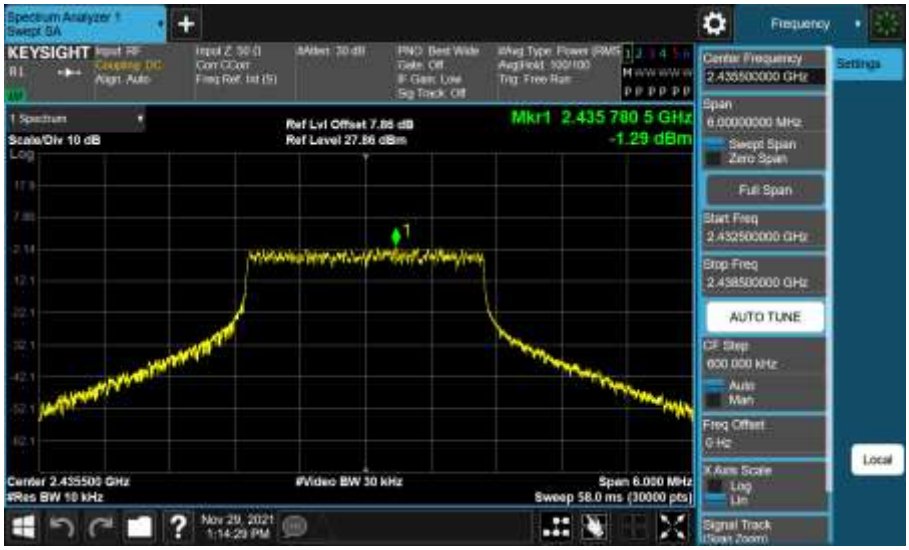


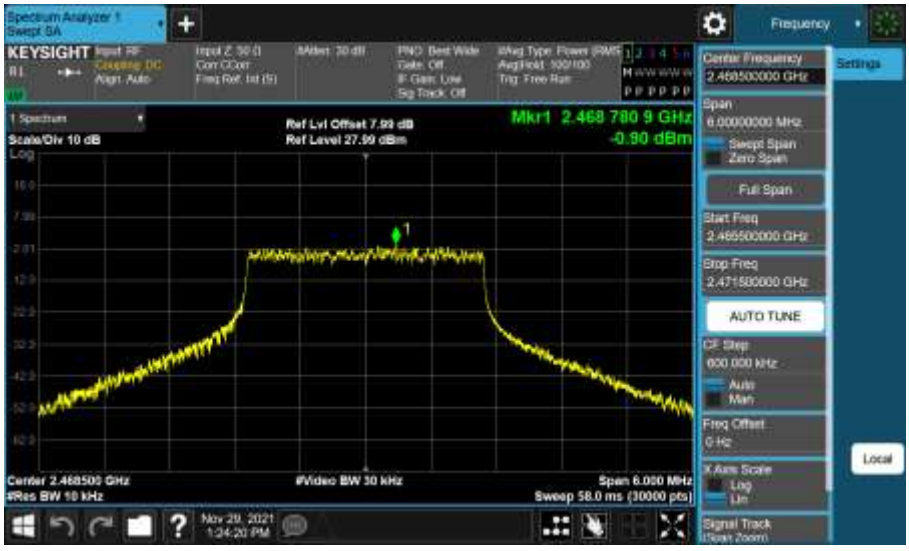




Ant.2

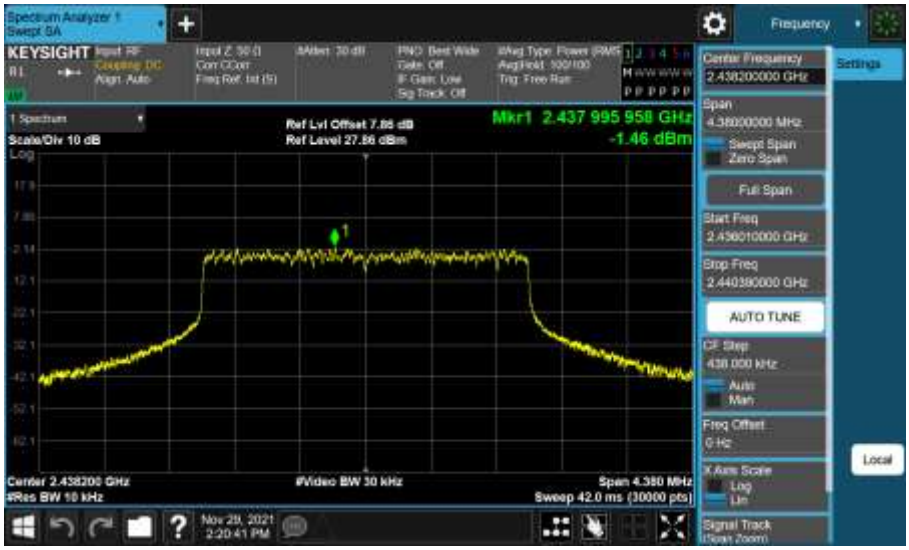

KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.405 781 1 GHz
-1.50 dBm
Scale/Div 10 dB
Center 2.405500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)
Center Frequency
2.405500000 GHz
Span
6.00000000 MHz
Full Span
Start Freq
2.402500000 GHz
Stop Freq
2.408500000 GHz
AUTO TUNE
CF Step
600.000 kHz
Freq Offset
0 Hz
Local

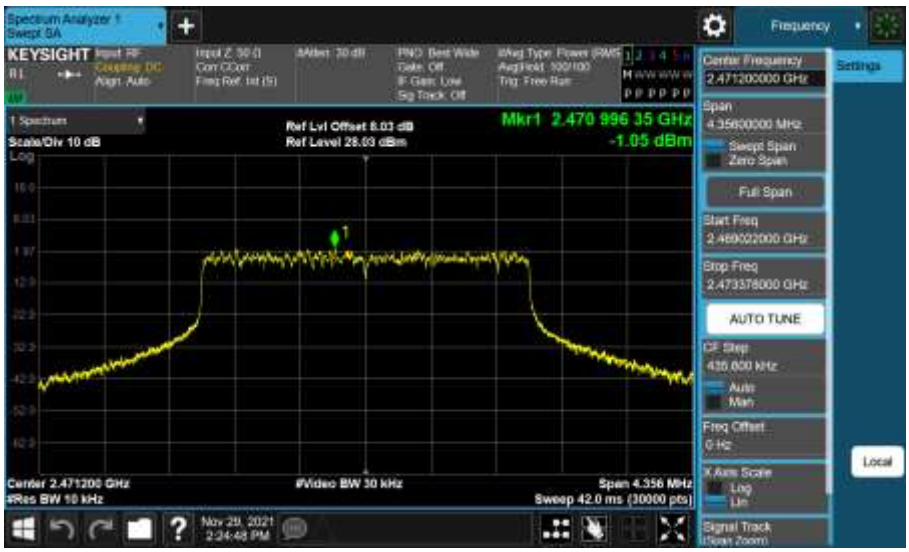

KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.435 780 5 GHz
-1.29 dBm
Scale/Div 10 dB
Center 2.435500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)
Center Frequency
2.435500000 GHz
Span
6.00000000 MHz
Full Span
Start Freq
2.432500000 GHz
Stop Freq
2.438500000 GHz
AUTO TUNE
CF Step
600.000 kHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Mkr1 2.468 780 9 GHz
-0.90 dBm
Scale/Div 10 dB
Center 2.468500 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)
Center Frequency
2.468500000 GHz
Span
6.00000000 MHz
Full Span
Start Freq
2.465500000 GHz
Stop Freq
2.471500000 GHz
AUTO TUNE
CF Step
600.000 kHz
Freq Offset
0 Hz
Local

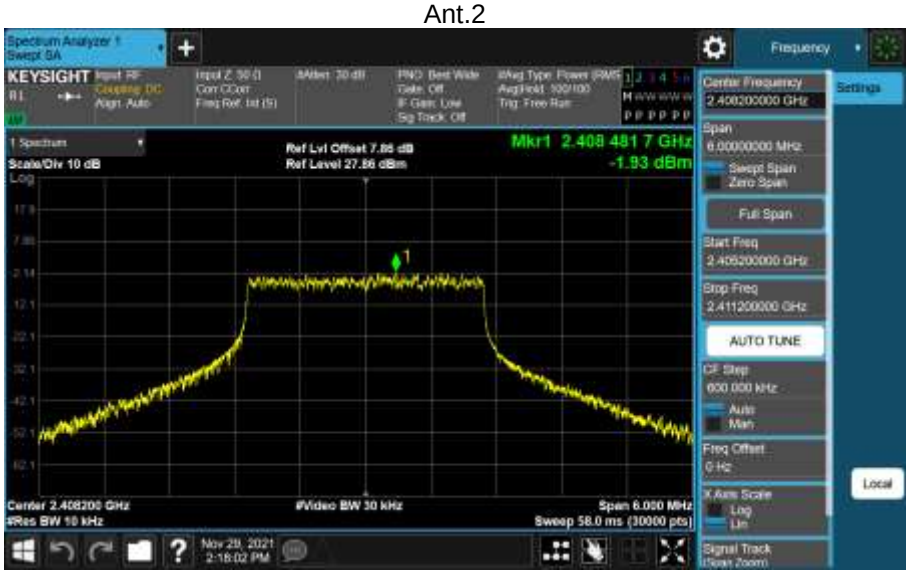
2.4GHz SDR, 3MHz BW CA mode
MIMO mode

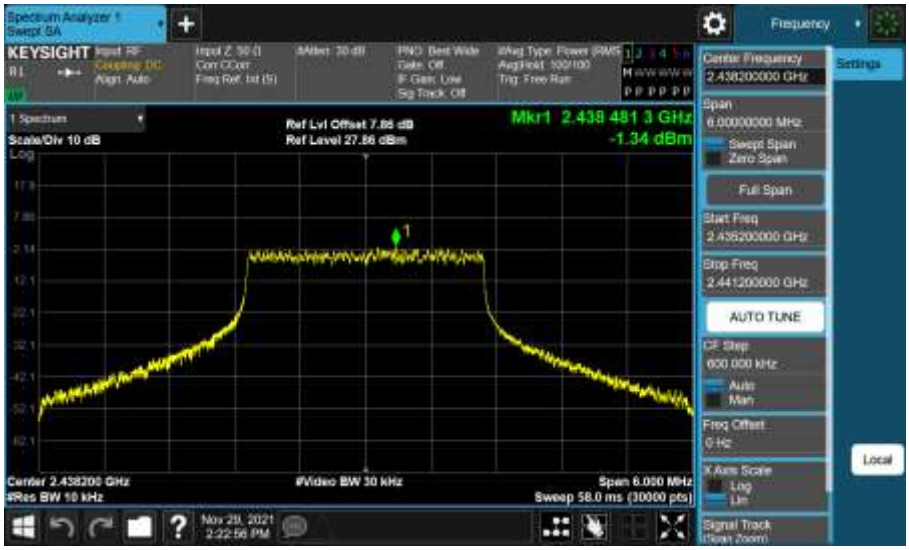
Ant.1

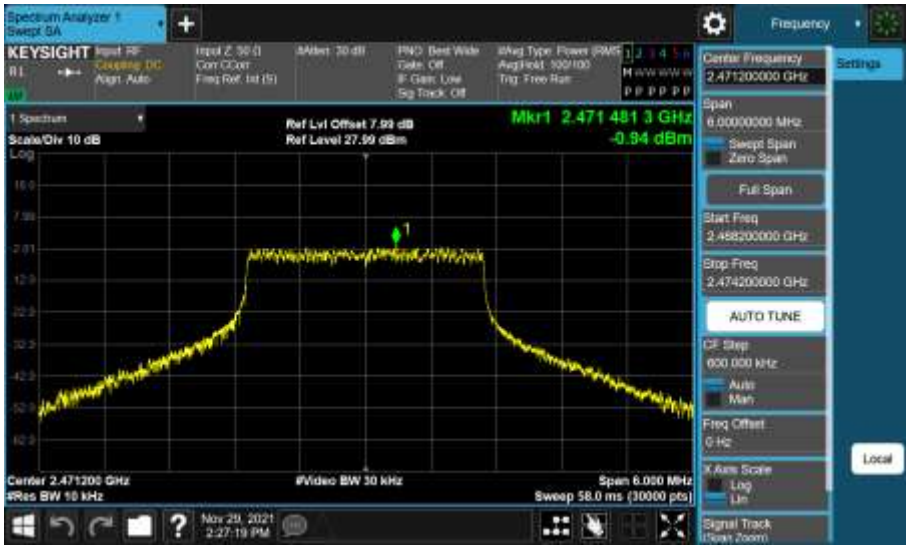




Ant.2

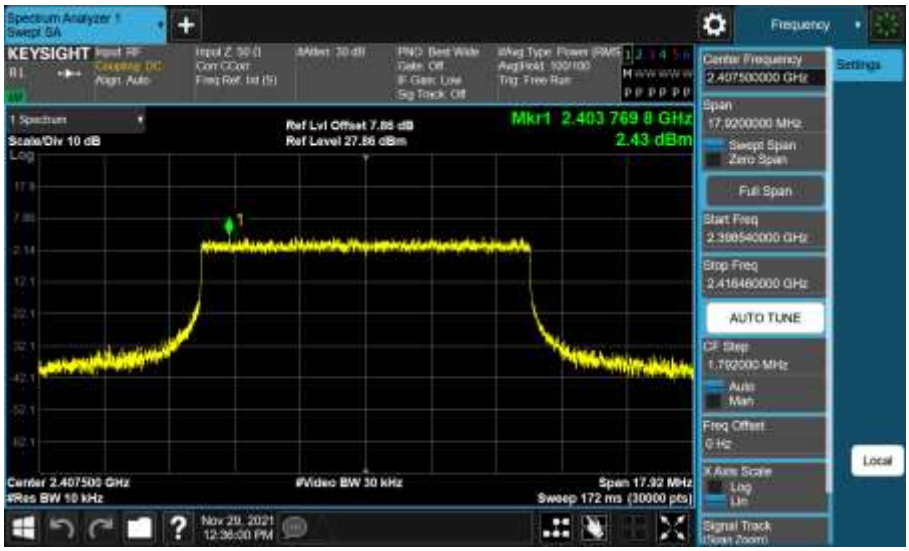

Mkr1 2.408 481 7 GHz
-1.93 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Center 2.408200 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)

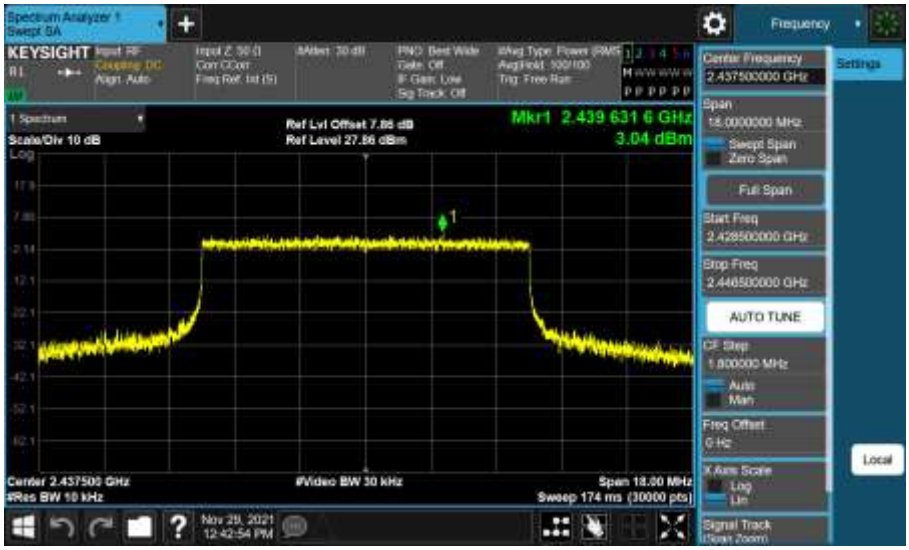

Mkr1 2.438 481 3 GHz
-1.34 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Center 2.438200 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)

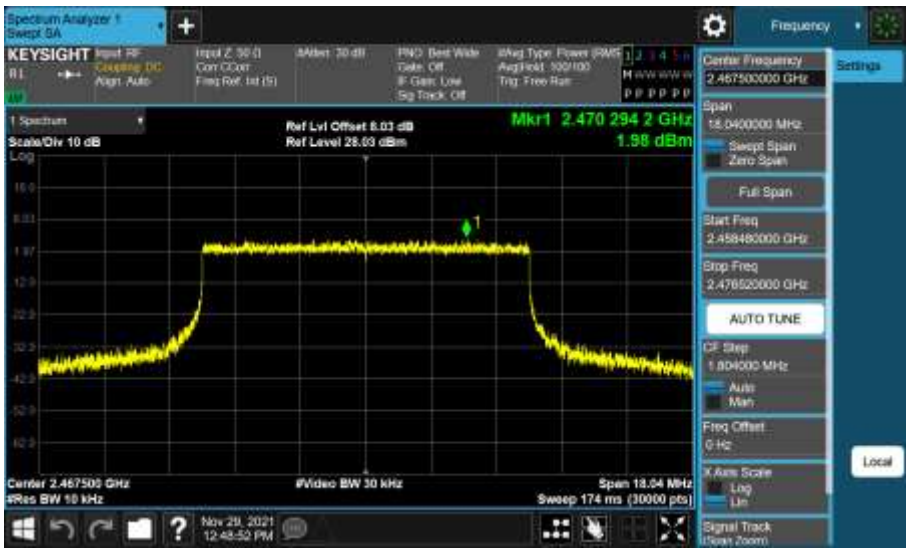

Mkr1 2.471 481 3 GHz
-0.94 dBm
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Center 2.471200 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 6.000 MHz
Sweep 58.0 ms (30000 pts)

2.4GHz SDR, 10MHz BW
MIMO mode

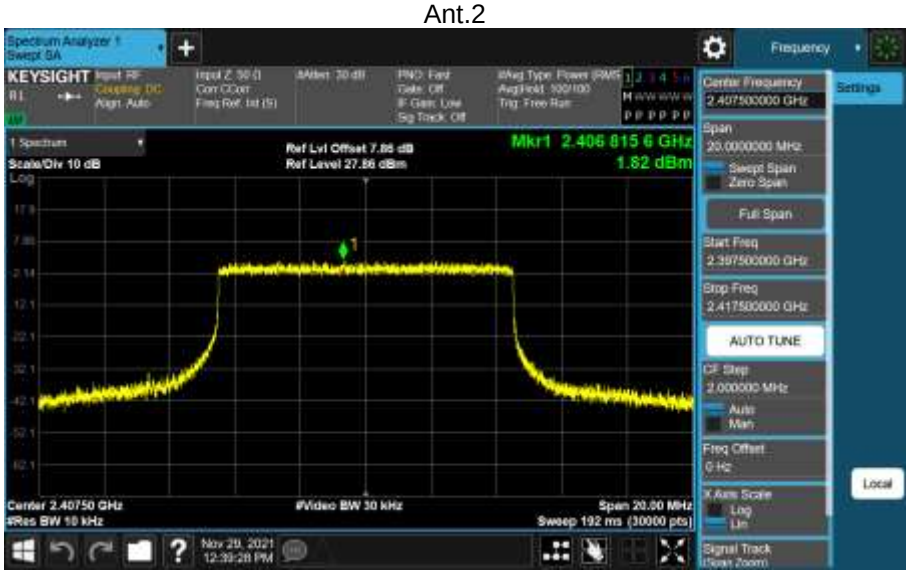
Ant.1

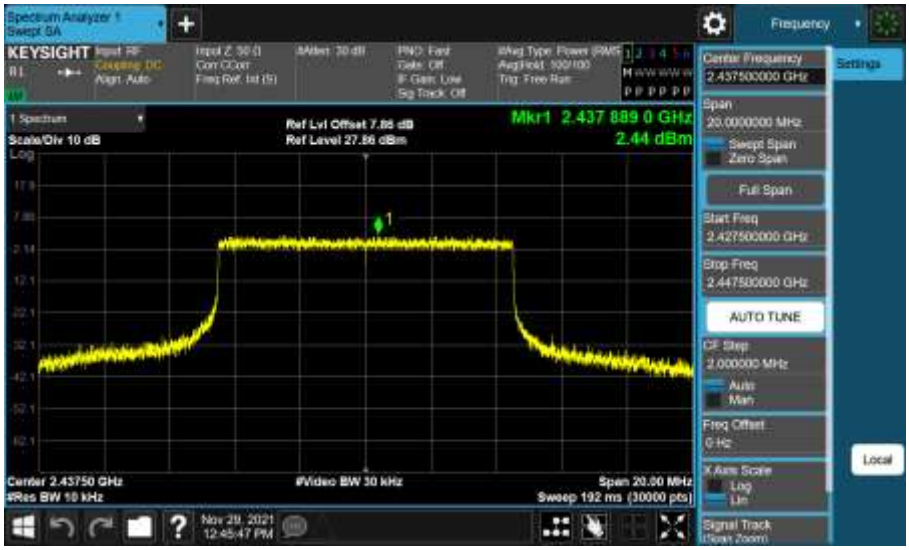


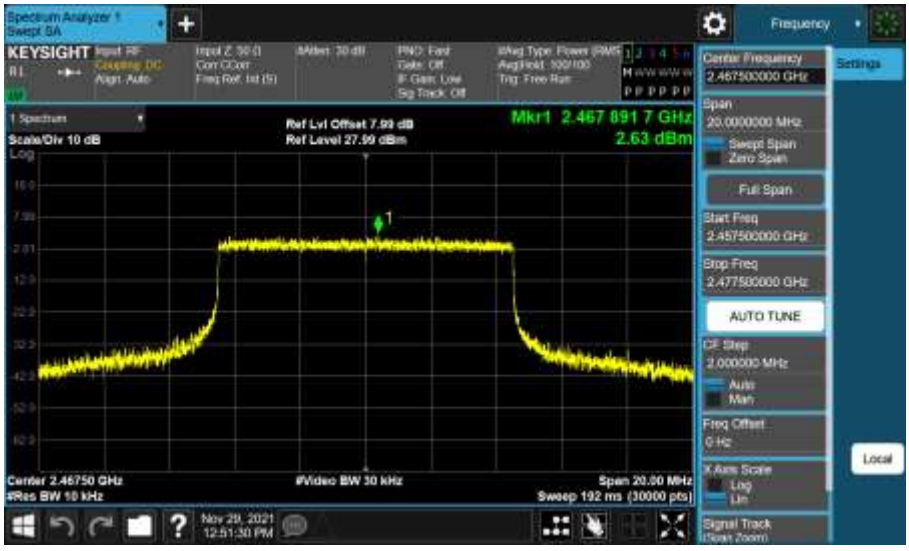




Ant.2

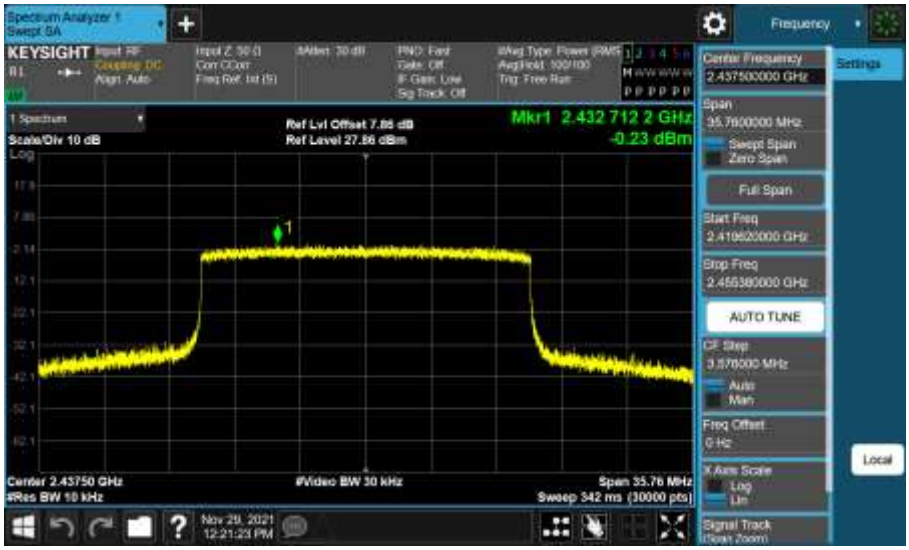

KEYSIGHT
Mkr1 2.406 815 6 GHz
1.82 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Scale/Div 10 dB
Center 2.40750 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 20.00 MHz
Sweep 192 ms (30000 pts)
Center Frequency
2.407500000 GHz
Span
20.0000000 MHz
Full Span
Start Freq
2.397500000 GHz
Stop Freq
2.417500000 GHz
AUTO TUNE
CF Step
2.000000 MHz
Freq Offset
0 Hz
Local

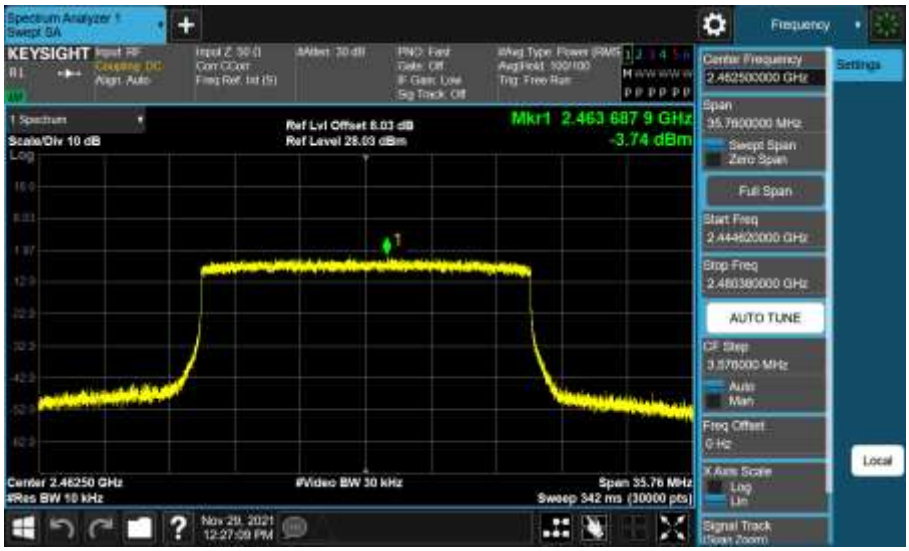

KEYSIGHT
Mkr1 2.437 889 0 GHz
2.44 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Scale/Div 10 dB
Center 2.43750 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 20.00 MHz
Sweep 192 ms (30000 pts)
Center Frequency
2.437500000 GHz
Span
20.0000000 MHz
Full Span
Start Freq
2.427500000 GHz
Stop Freq
2.447500000 GHz
AUTO TUNE
CF Step
2.000000 MHz
Freq Offset
0 Hz
Local

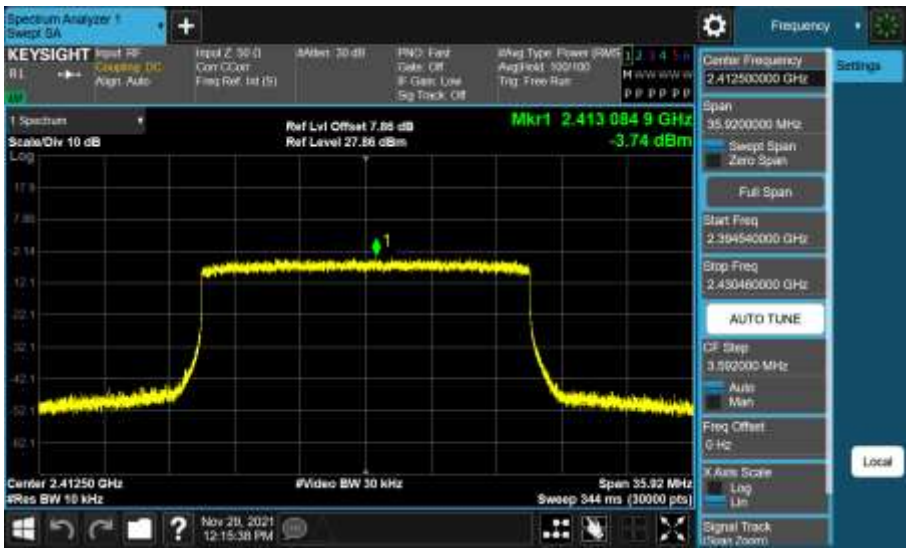

KEYSIGHT
Mkr1 2.467 891 7 GHz
2.63 dBm
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Scale/Div 10 dB
Center 2.46750 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 20.00 MHz
Sweep 192 ms (30000 pts)
Center Frequency
2.467500000 GHz
Span
20.0000000 MHz
Full Span
Start Freq
2.457500000 GHz
Stop Freq
2.477500000 GHz
AUTO TUNE
CF Step
2.000000 MHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 20MHz BW
MIMO mode

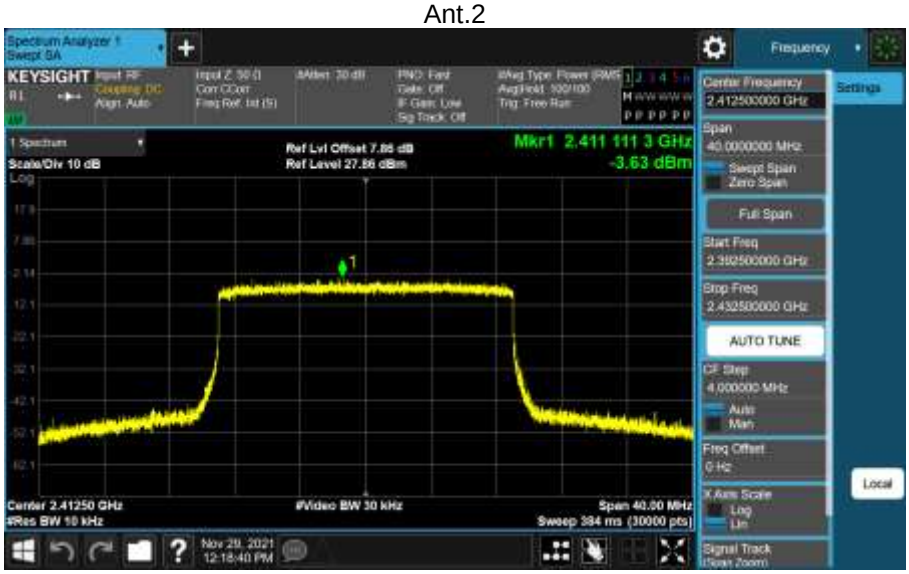
Ant.1

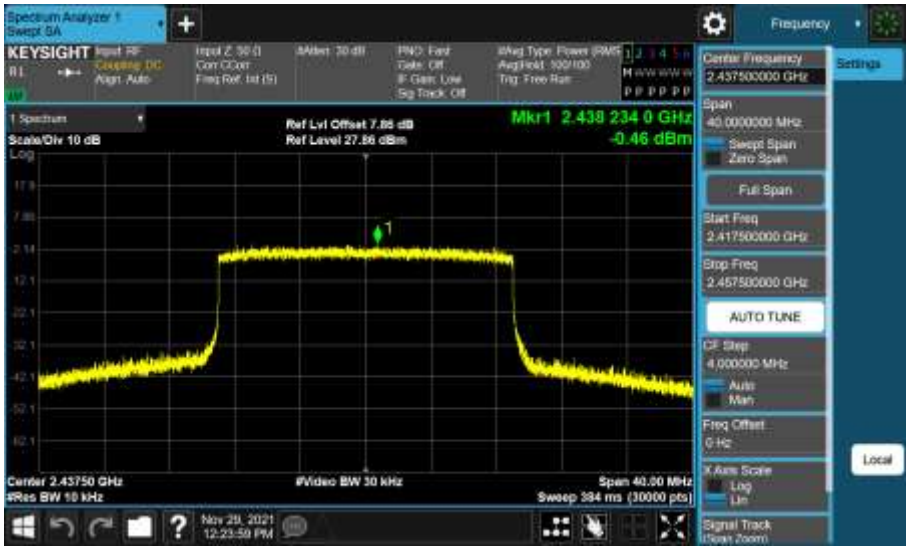


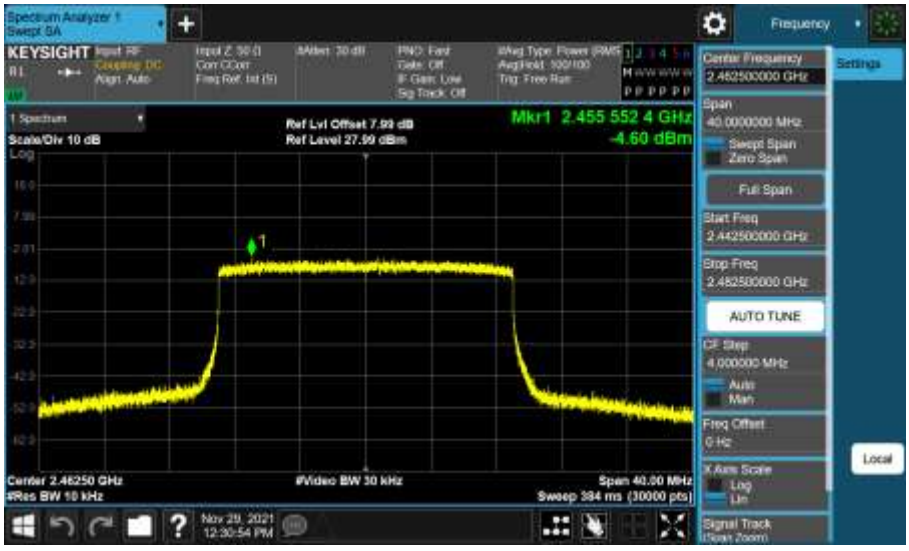




Ant.2

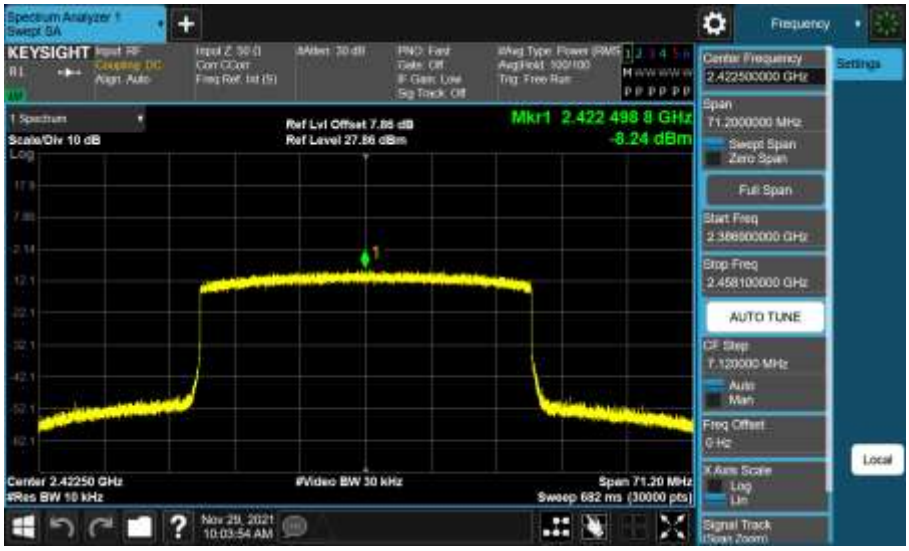

Mkr1 2.411 111 3 GHz
-3.63 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Center 2.41250 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 40.00 MHz
Sweep 384 ms (30000 pts)

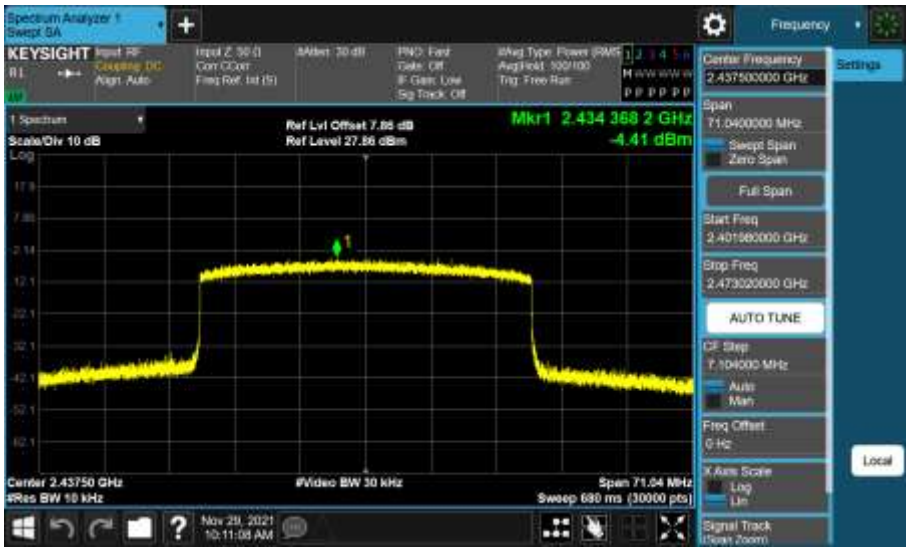

Mkr1 2.438 234 0 GHz
-0.46 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Center 2.43750 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 40.00 MHz
Sweep 384 ms (30000 pts)

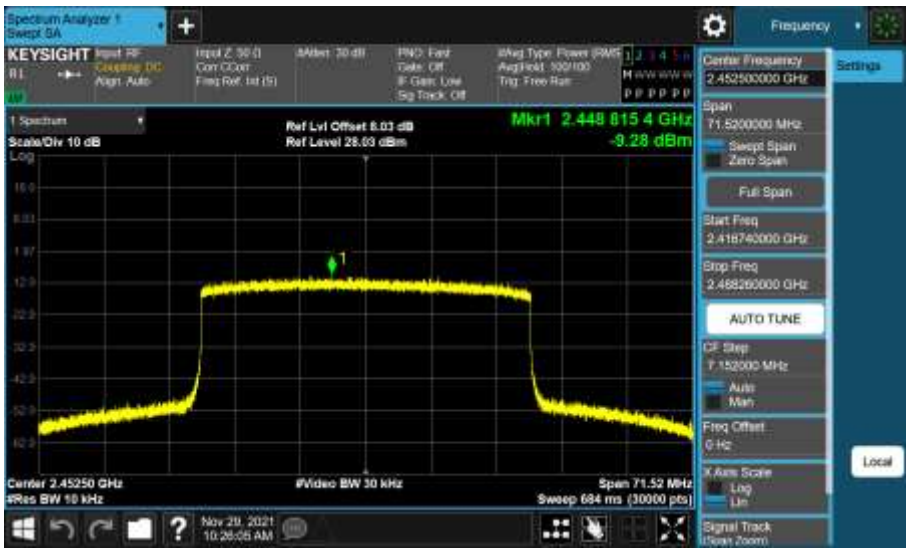

Mkr1 2.455 552 4 GHz
-4.60 dBm
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Center 2.46250 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 40.00 MHz
Sweep 384 ms (30000 pts)

2.4GHz SDR, 40MHz BW
MIMO mode

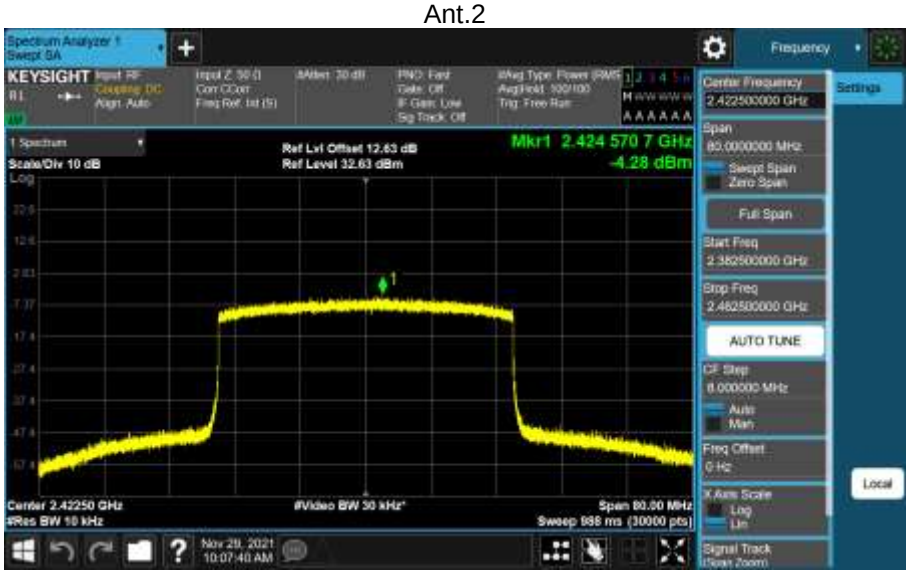
Ant.1

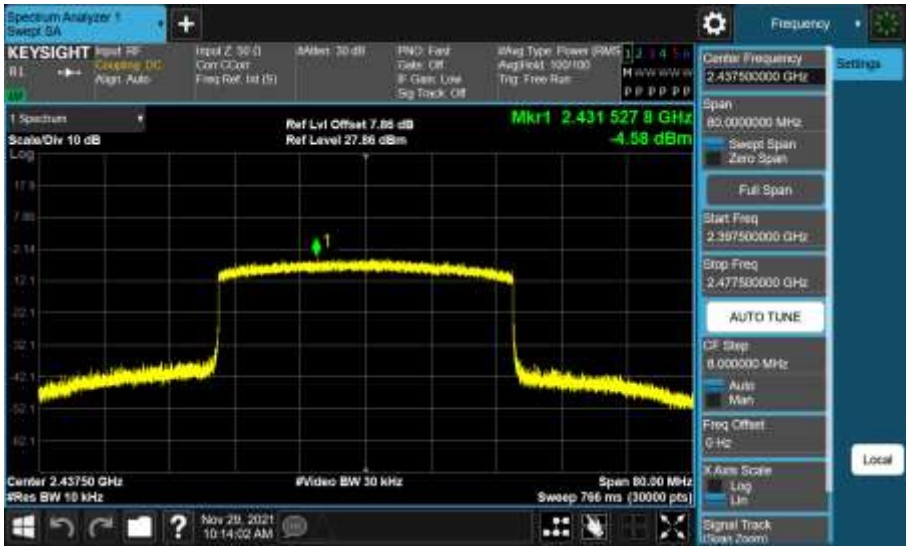


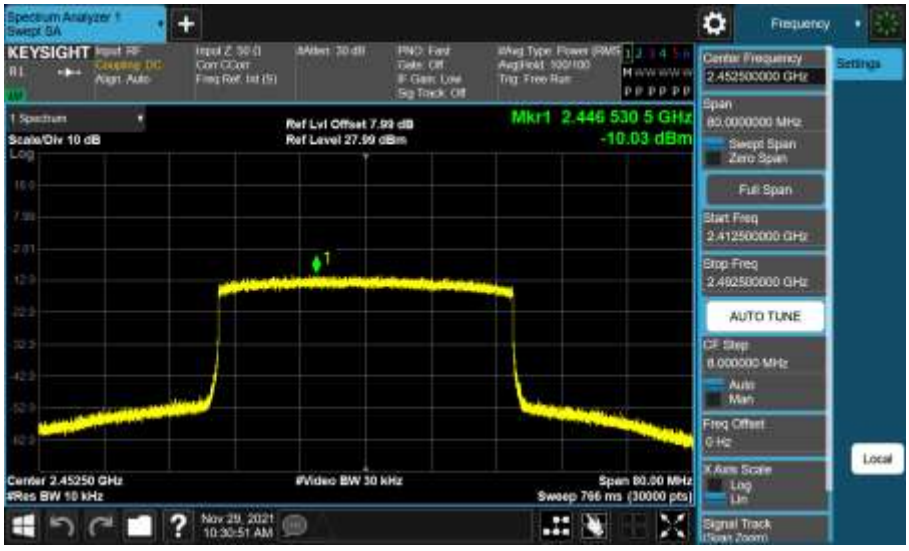




Ant.2


KEYSIGHT
Ref Lvl Offset 12.63 dB
Ref Level 32.63 dBm
Mkr1 2.424 570 7 GHz
-4.28 dBm
Scale/Div 10 dB
Center 2.42250 GHz
#Res BW 10 kHz
#Video BW 30 kHz*
Span 80.00 MHz
Sweep 988 ms (30000 pts)
Nov 29, 2021
10:07:40 AM
Center Frequency
2.422500000 GHz
Span
80.0000000 MHz
Full Span
Start Freq
2.382500000 GHz
Stop Freq
2.462500000 GHz
AUTO TUNE
Local


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.431 527 8 GHz
-4.58 dBm
Scale/Div 10 dB
Center 2.43750 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 80.00 MHz
Sweep 766 ms (30000 pts)
Nov 29, 2021
10:14:02 AM
Center Frequency
2.437500000 GHz
Span
80.0000000 MHz
Full Span
Start Freq
2.397500000 GHz
Stop Freq
2.477500000 GHz
AUTO TUNE
Local


KEYSIGHT
Ref Lvl Offset 7.99 dB
Ref Level 27.99 dBm
Mkr1 2.446 530 5 GHz
-10.03 dBm
Scale/Div 10 dB
Center 2.45250 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 80.00 MHz
Sweep 766 ms (30000 pts)
Nov 29, 2021
10:30:51 AM
Center Frequency
2.452500000 GHz
Span
80.0000000 MHz
Full Span
Start Freq
2.412500000 GHz
Stop Freq
2.492500000 GHz
AUTO TUNE
Local

Appendix A.2: Test Results of 6dB Bandwidth

2.4GHz SDR, 1.4MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 1.4MHz BW CA mode
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW CA mode
MIMO mode_Ant.1

2.4GHz SDR, 10MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 20MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 40MHz BW
MIMO mode_Ant.1

Appendix A.3: Test Results of 99% Bandwidth

2.4GHz SDR, 1.4MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 1.4MHz BW CA mode
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW CA mode
MIMO mode_Ant.1

2.4GHz SDR, 10MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 20MHz BW
MIMO mode_Ant.1

2.4GHz SDR, 40MHz BW
MIMO mode_Ant.1

Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

2.4GHz SDR, 1.4MHz BW
MIMO mode_Ant.1


KEYSIGHT
Mkr1 2.435 791 9 GHz
11.38 dBm
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Scale/Div 10 dB
Center 2.435500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 2.100 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.435500000 GHz
Span
2.10000000 MHz
Full Span
Start Freq
2.434450000 GHz
Stop Freq
2.436550000 GHz
AUTO TUNE
CF Step
210.000 kHz
Freq Offset
0 Hz
Dec 02, 2021
6:39:27 PM


KEYSIGHT
Mkr1 913.31 MHz
-62.74 dBm
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
6:39:33 PM


KEYSIGHT
Mkr2 26.236 50 GHz
-53.51 dBm
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Center Frequency
13.750000000 GHz
Span
25.500000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Dec 02, 2021
6:40:08 PM


KEYSIGHT
Mkr1 2.469 653 3 GHz
11.31 dBm
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Scale/Div 10 dB
Center 2.469500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 2.100 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.469500000 GHz
Span
2.10000000 MHz
Full Span
Start Freq
2.468450000 GHz
Stop Freq
2.470550000 GHz
AUTO TUNE
CF Step
210.000 kHz
Freq Offset
0 Hz
Local


KEYSIGHT
Mkr1 920.75 MHz
-62.97 dBm
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Mkr2 26.355 50 GHz
-53.30 dBm
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 1.4MHz BW CA mode
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.437 474 9 GHz
10.98 dBm
Scale/Div 10 dB
Center 2.437120 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 2.100 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.437120000 GHz
Span
2.10000000 MHz
Full Span
Start Freq
2.436070000 GHz
Stop Freq
2.438170000 GHz
AUTO TUNE
CF Step
210.000 kHz
Freq Offset
0 Hz
X Axis Scale
Dec 02, 2021
6:42:38 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 902.77 MHz
-62.54 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
X Axis Scale
Dec 02, 2021
6:42:44 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 25.729 90 GHz
-53.41 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.437 35 GHz 12.10 dBm
2 N 1 1 25.729 90 GHz -53.41 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
X Axis Scale
Dec 02, 2021
6:43:18 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Mkr1 2.471 346 8 GHz
13.32 dBm
Scale/Div 10 dB
Center 2.471120 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 2.100 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Center Frequency
2.471120000 GHz
Span
2.10000000 MHz
Full Span
Start Freq
2.470070000 GHz
Stop Freq
2.472170000 GHz
AUTO TUNE
CF Step
210.000 kHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr1 875.87 MHz
-62.25 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Frequency
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr2 25.623 65 GHz
-53.21 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Mode Trace Scale X Y Function Function Width Function Value
N 1 1 2.471 35 GHz 11.96 dBm
N 1 1 25.623 65 GHz -53.21 dBm
Frequency
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 3MHz BW
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.434 856 5 GHz
8.65 dBm
Scale/Div 10 dB
Center 2.435500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 4.500 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Center Frequency
2.435500000 GHz
Span
4.50000000 MHz
Full Span
Start Freq
2.433250000 GHz
Stop Freq
2.437750000 GHz
AUTO TUNE
CF Step
450.000 kHz
Freq Offset
0 Hz
Dec 02, 2021
6:33:35 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 725.20 MHz
-63.04 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Frequency
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
6:33:41 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 26.143 85 GHz
-52.68 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.436 50 GHz 8.117 dBm
2 N 1 1 26.143 85 GHz -52.68 dBm
Frequency
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Dec 02, 2021
6:34:16 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Mkr1 2.469 098 5 GHz
9.63 dBm
Scale/Div 10 dB
Center 2.468500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 4.500 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.468500000 GHz
Span
4.50000000 MHz
Full Span
Start Freq
2.466250000 GHz
Stop Freq
2.470750000 GHz
AUTO TUNE
CF Step
450.000 kHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr1 589.11 MHz
-63.16 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr2 26.224 60 GHz
-52.93 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Mode Trace Scale X Y Function Function Width Function Value
N 1 1 2.469 65 GHz 8.806 dBm
N 1 1 26.224 60 GHz -52.93 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 3MHz BW CA mode
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.438 366 5 GHz
9.00 dBm
Scale/Div 10 dB
Center 2.438200 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 4.500 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.438200000 GHz
Span
4.50000000 MHz
Full Span
Start Freq
2.436950000 GHz
Stop Freq
2.440450000 GHz
AUTO TUNE
CF Step
450.000 kHz
Freq Offset
0 Hz


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 889.26 MHz
-60.97 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 25.539 50 GHz
-53.15 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz


KEYSIGHT
Mkr1 2.471 762 5 GHz
9.24 dBm
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Scale/Div 10 dB
Center 2.471200 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 4.500 MHz
Sweep 1.00 ms (1001 pts)
Center Frequency
2.471200000 GHz
Span
4.50000000 MHz
Full Span
Start Freq
2.468950000 GHz
Stop Freq
2.473450000 GHz
AUTO TUNE
CF Step
450.000 kHz
Freq Offset
0 Hz
Local


KEYSIGHT
Mkr1 928.90 MHz
-62.57 dBm
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Mkr2 26.161 70 GHz
-54.02 dBm
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.470 50 GHz 8.809 dBm
2 N 1 1 26.161 70 GHz -54.02 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 10MHz BW
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.438 250 GHz
12.88 dBm
Scale/Div 10 dB
Center 2.437500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 15.00 MHz
Sweep 1.47 ms (1001 pts)
Frequency
Center Frequency
2.437500000 GHz
Span
15.0000000 MHz
Full Span
Start Freq
2.430000000 GHz
Stop Freq
2.445000000 GHz
AUTO TUNE
CF Step
1.500000 MHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
Dec 02, 2021
6:52:58 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 910.15 MHz
-62.38 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Frequency
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
Dec 02, 2021
6:53:03 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 25.709 50 GHz
-52.57 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.438 05 GHz 12.95 dBm
2 N 1 1 25.709 50 GHz -52.57 dBm
Frequency
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
Dec 02, 2021
6:53:38 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Mkr1 2.463 180 GHz
12.06 dBm
Scale/Div 10 dB
Center 2.467500 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 15.00 MHz
Sweep 1.47 ms (1001 pts)
Center Frequency
2.467500000 GHz
Span
15.0000000 MHz
Full Span
Start Freq
2.460000000 GHz
Stop Freq
2.475000000 GHz
AUTO TUNE
CF Step
1.500000 MHz
Freq Offset
0 Hz
Local
Nov 29, 2021
12:49:11 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr1 863.75 MHz
-61.19 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local
Nov 29, 2021
12:49:16 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr2 4.938 05 GHz
-52.48 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.467 95 GHz 12.46 dBm
2 N 1 1 4.938 05 GHz -52.48 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local
Nov 29, 2021
12:49:51 PM

2.4GHz SDR, 20MHz BW
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.439 09 GHz
10.76 dBm
Scale/Div 10 dB
Center 2.43750 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 30.00 MHz
Sweep 2.93 ms (1001 pts)
Frequency
Center Frequency
2.437500000 GHz
Span
30.000000 MHz
Full Span
Start Freq
2.422500000 GHz
Stop Freq
2.452500000 GHz
AUTO TUNE
CF Step
3.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
6:54:37 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 808.23 MHz
-62.55 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Frequency
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
6:54:43 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 25.786 00 GHz
-53.39 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.439 05 GHz 11.69 dBm
2 N 1 1 25.786 00 GHz -53.38 dBm
Frequency
Center Frequency
13.750000000 GHz
Span
25.500000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Dec 02, 2021
6:55:18 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Mkr1 2.457 76 GHz
7.55 dBm
Scale/Div 10 dB
Center 2.46250 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 30.00 MHz
Sweep 2.93 ms (1001 pts)
Frequency
Center Frequency
2.462500000 GHz
Span
30.000000 MHz
Full Span
Start Freq
2.447500000 GHz
Stop Freq
2.477500000 GHz
AUTO TUNE
CF Step
3.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr1 748.45 MHz
-62.73 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Frequency
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr2 26.424 35 GHz
-53.40 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Mode Trace Scale X Y Function Function Width Function Value
N 1 1 2.470 50 GHz 6.549 dBm
N 1 1 26.424 35 GHz -53.40 dBm
Frequency
Center Frequency
13.750000000 GHz
Span
25.500000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 40MHz BW
MIMO mode_Ant.1


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 27.86 dBm
Mkr1 2.433 84 GHz
5.62 dBm
Scale/Div 10 dB
Center 2.43750 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 60.00 MHz
Sweep 5.80 ms (1001 pts)
Center Frequency
2.437500000 GHz
Span
60.0000000 MHz
Full Span
Start Freq
2.407500000 GHz
Stop Freq
2.467500000 GHz
AUTO TUNE
CF Step
6.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
7:01:04 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr1 993.89 MHz
-63.14 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Dec 02, 2021
7:01:09 PM


KEYSIGHT
Ref Lvl Offset 7.86 dB
Ref Level 17.86 dBm
Mkr2 26.252 65 GHz
-53.28 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.434 80 GHz 5.636 dBm
2 N 1 1 26.252 65 GHz -53.28 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Dec 02, 2021
7:01:44 PM


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 28.03 dBm
Mkr1 2.452 74 GHz
0.88 dBm
Scale/Div 10 dB
Center 2.45250 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 60.00 MHz
Sweep 5.80 ms (1001 pts)
Center Frequency
2.452500000 GHz
Span
60.0000000 MHz
Full Span
Start Freq
2.422500000 GHz
Stop Freq
2.482500000 GHz
AUTO TUNE
CF Step
6.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr1 812.66 MHz
-63.12 dBm
Scale/Div 10 dB
Start 0.0300 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 1.0000 GHz
Sweep ~94.2 ms (30001 pts)
Center Frequency
515.000000 MHz
Span
970.000000 MHz
Full Span
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
AUTO TUNE
CF Step
97.000000 MHz
Freq Offset
0 Hz
Local


KEYSIGHT
Ref Lvl Offset 8.03 dB
Ref Level 18.03 dBm
Mkr2 25.797 05 GHz
-53.41 dBm
Scale/Div 10 dB
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 1 2.448 40 GHz 0.5264 dBm
2 N 1 1 25.797 05 GHz -53.41 dBm
Center Frequency
13.750000000 GHz
Span
25.5000000 GHz
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Freq Offset
0 Hz
Local

2.4GHz SDR, 1.4MHz BW Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 1.4MHz BW CA mode Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 3MHz BW CA mode Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 10MHz BW Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 20MHz BW Bandedge
MIMO mode_Ant.1

2.4GHz SDR, 40MHz BW Bandedge
MIMO mode_Ant.1

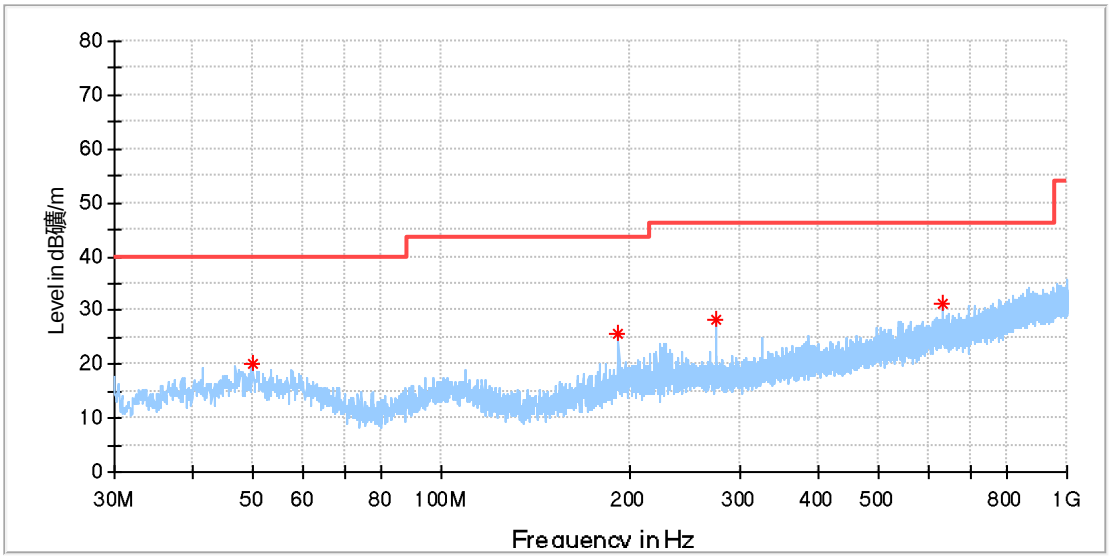
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix A.5: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_10M_2407.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

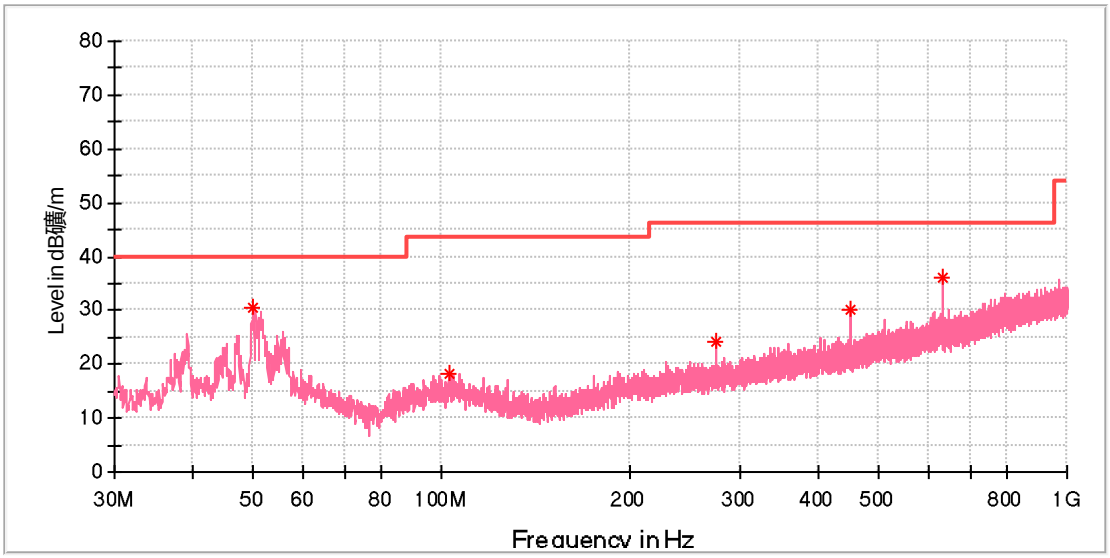
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.030500	20.05	40.00	19.95	100.0	H	153.0	-18.3
191.990000	25.81	43.50	17.69	100.0	H	102.0	-19.4
275.022000	28.22	46.00	17.78	100.0	H	0.0	-16.8
633.000500	31.39	46.00	14.61	100.0	H	143.0	-9.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_10M_2407.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

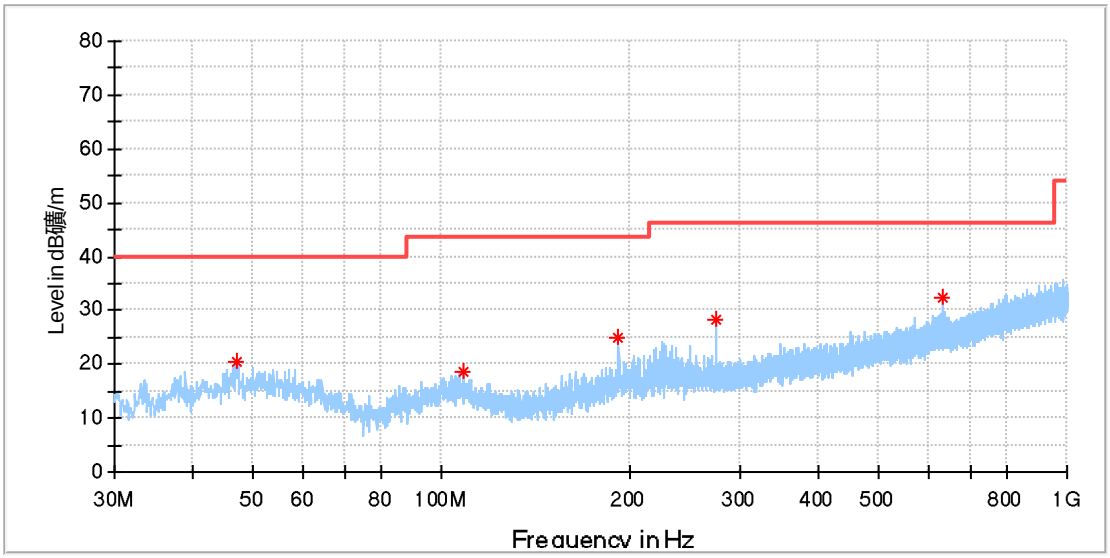
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.030500	30.65	40.00	9.35	100.0	V	268.0	-18.3
102.944000	18.39	43.50	25.11	100.0	V	0.0	-18.8
275.022000	24.17	46.00	21.83	100.0	V	276.0	-16.8
450.010000	30.09	46.00	15.91	100.0	V	102.0	-12.9
633.000500	36.15	46.00	9.85	100.0	V	231.0	-9.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_10M_2467.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

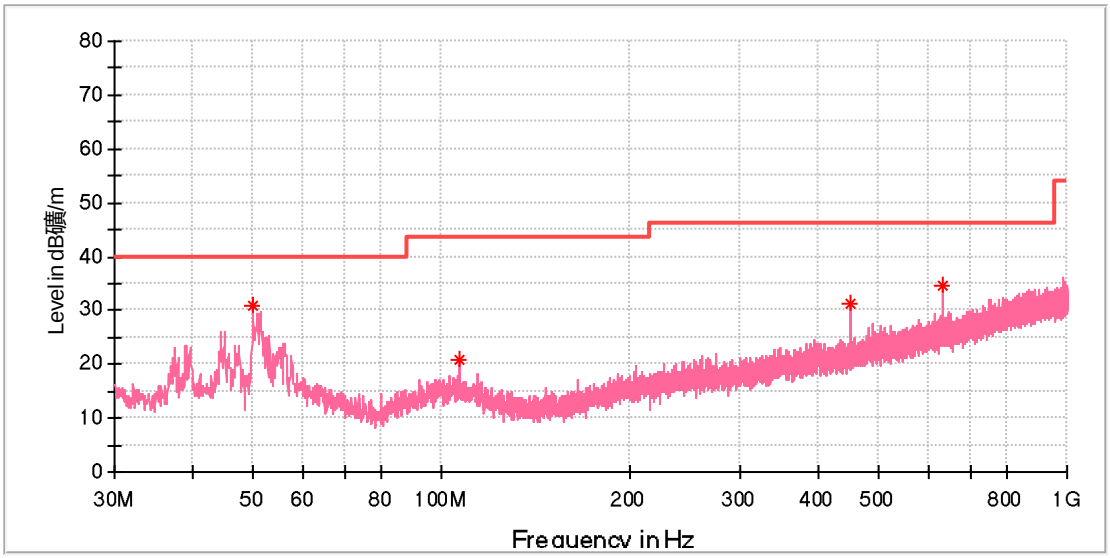
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.975000	20.53	40.00	19.47	100.0	H	166.0	-18.5
108.133500	18.73	43.50	24.77	100.0	H	208.0	-18.9
191.990000	24.94	43.50	18.56	100.0	H	101.0	-19.4
275.022000	28.34	46.00	17.66	100.0	H	0.0	-16.8
633.000500	32.54	46.00	13.46	100.0	H	197.0	-9.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_10M_2467.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.030500	30.91	40.00	9.09	100.0	V	112.0	-18.3
106.969500	20.72	43.50	22.78	100.0	V	43.0	-18.9
450.010000	31.24	46.00	14.76	100.0	V	188.0	-12.9
633.049000	34.54	46.00	11.46	100.0	V	180.0	-9.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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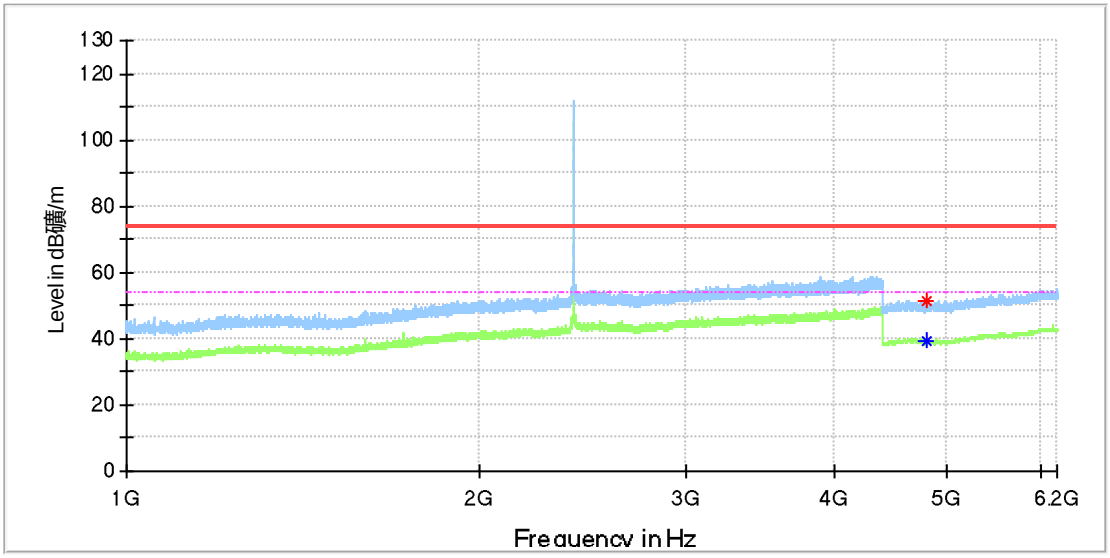
1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz SDR Fundamental.

2.4GHz SDR, 1.4MHz BW

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

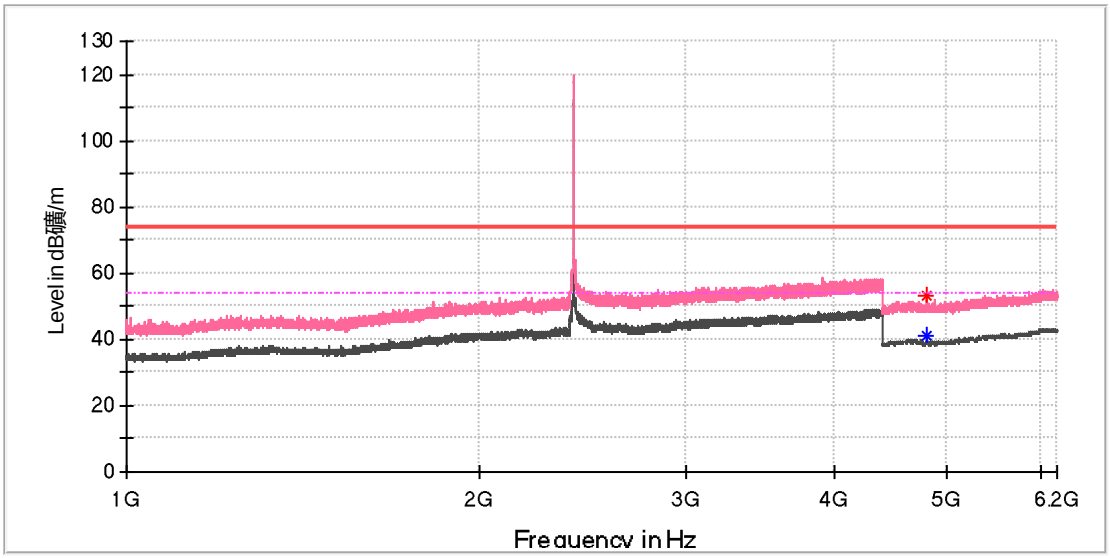
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	51.41	---	74.00	22.59	100.0	H	301.0	11.8
4809.000000	---	39.36	54.00	14.64	100.0	H	152.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4807.000000	53.41	---	74.00	20.59	100.0	V	354.0	11.8
4807.000000	---	41.14	54.00	12.86	100.0	V	354.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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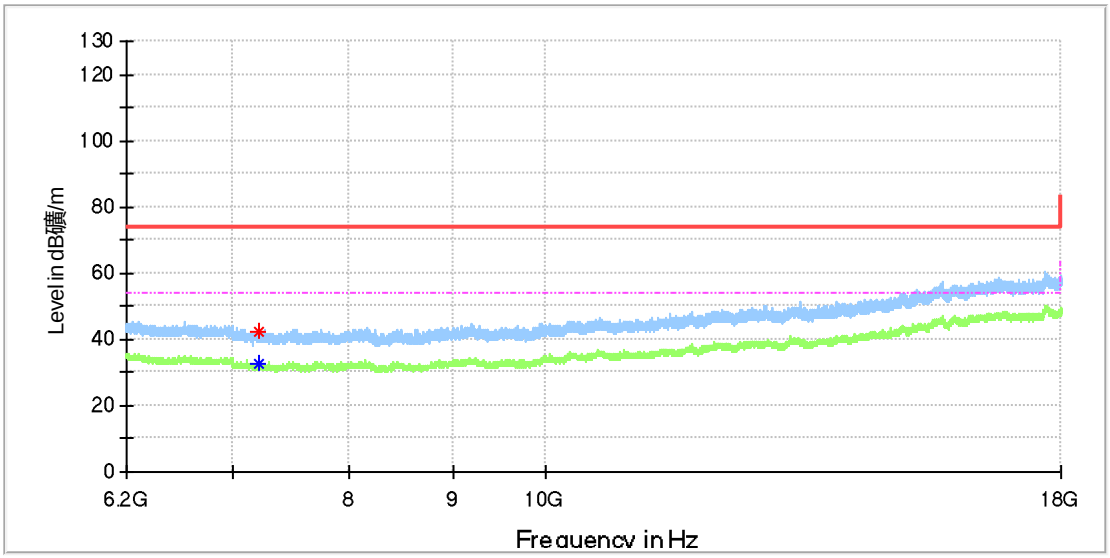
EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

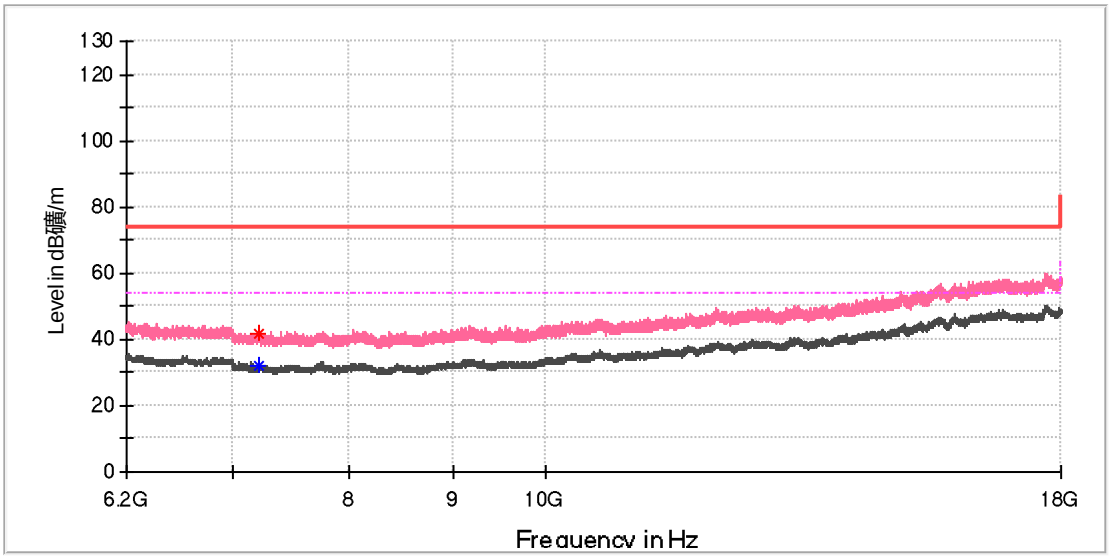
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7216.275000	42.24	---	74.00	31.76	100.0	H	0.0	8.7
7216.275000	---	32.57	54.00	21.43	100.0	H	0.0	8.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

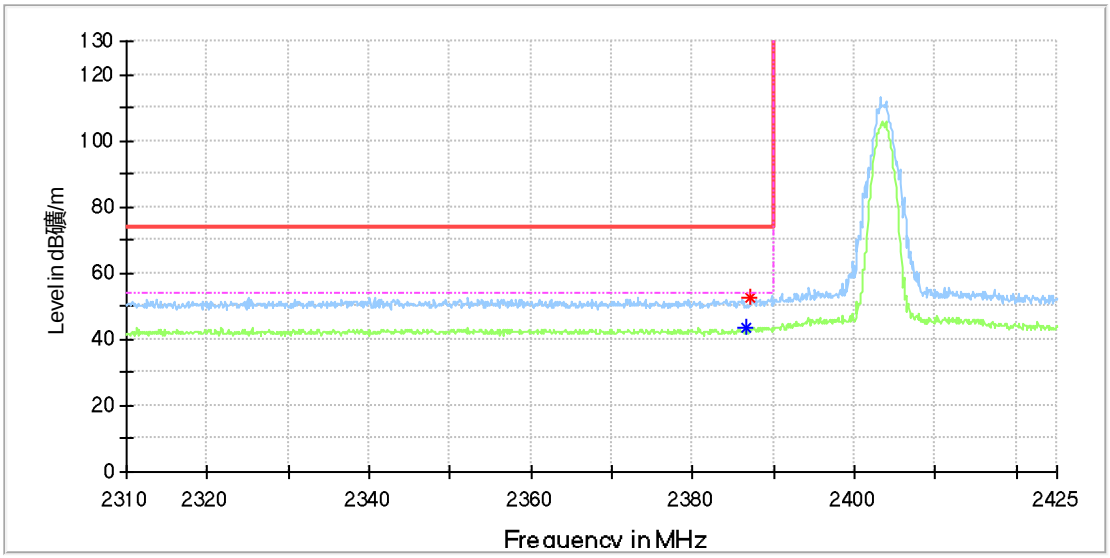
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7208.408333	---	31.83	54.00	22.17	100.0	V	258.0	8.8
7216.766667	41.65	---	74.00	32.35	100.0	V	317.0	8.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

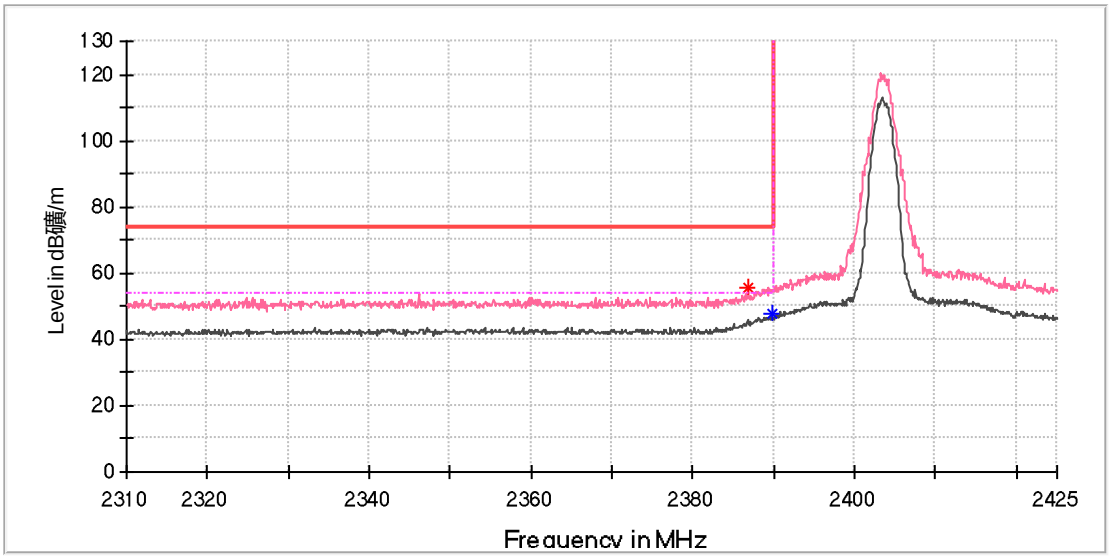
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.700000	---	43.41	54.00	10.59	100.0	H	211.0	7.0
2387.200000	52.89	---	74.00	21.11	100.0	H	287.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

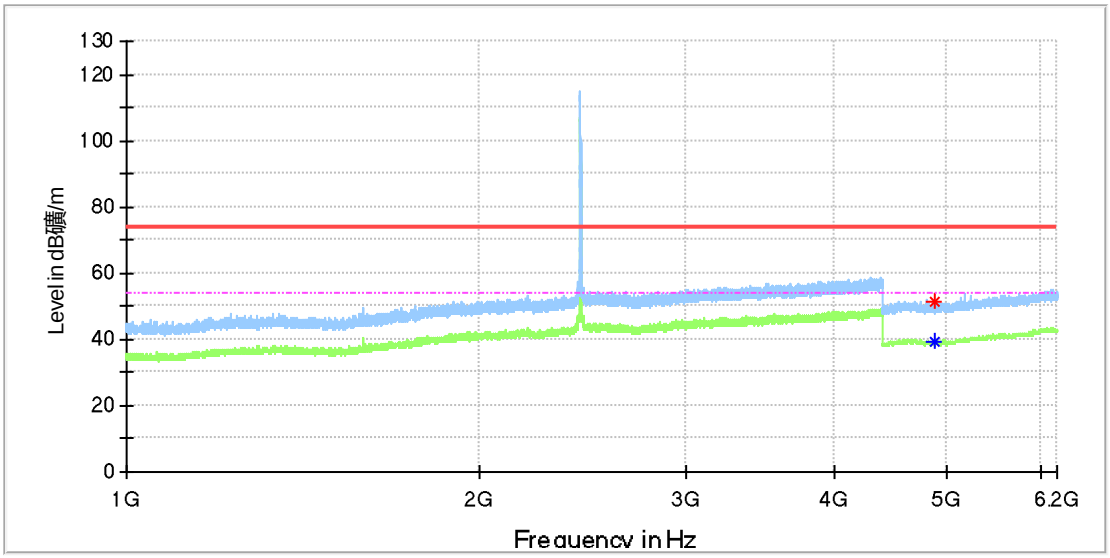
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.800000	55.91	---	74.00	18.09	100.0	V	333.0	7.0
2389.700000	---	47.71	54.00	6.29	100.0	V	138.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Matrice 30T
Model:	M30T RTK
Test Mode:	SDR 2.4G_1.4M_2435.5MHz
Order No/Sample No:	168339382/A003156699-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4877.500000	---	39.34	54.00	14.66	100.0	H	343.0	11.8
4879.500000	51.17	---	74.00	22.83	100.0	H	95.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---