

Duty Cycle NVent ax40 5965MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:19:39 PM Aug 13, 2024

Center Freq 5.965000000 GHz Avg Type: Log-Pwr

PNO: Fast Trg: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 3.87 dB
Ref 20.00 dBm

Mkr1 4.590 ms
-20.44 dBm

10 dB/div
Log

Center 5.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.590 ms	-20.44 dBm			
2	N	1	t	4.740 ms	2.55 dBm			
3	N	1	t	10.11 ms	9.03 dBm			
4								
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MSG STATUS

Frequency

Auto Tune

Center Freq
5.965000000 GHz

Start Freq
5.965000000 GHz

Stop Freq
5.965000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6165MHz Ant2

Agilent Spectrum Analyzer - Swept SA

Center Freq 6.165000000 GHz

Ref Offset 3.85 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr 1 5.170 ms
8.64 dBm

Center 6.165000000 GHz
Res BW 8 MHz

Span 0 Hz
Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.170 ms	8.64 dBm			
2	N	1	t	5.340 ms	5.80 dBm			
3	N	1	t	10.70 ms	9.74 dBm			
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Frequency 6.165000000 GHz

Auto Tune

Center Freq 6.165000000 GHz

Start Freq 6.165000000 GHz

Stop Freq 6.165000000 GHz

CF Step 8.000000 MHz
Man

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:24:19 PM Aug 13, 2024

Center Freq 6.405000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 4 dB
Ref 20.00 dBm

Mkr1 4.770 ms
-20.24 dBm

10 dB/div
Log

Center 6.405000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.770 ms	-20.24 dBm			
2	N	1	t	4.860 ms	5.27 dBm			
3	N	1	t	10.23 ms	8.64 dBm			
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Frequency

Auto Tune

Center Freq
6.405000000 GHz

Start Freq
6.405000000 GHz

Stop Freq
6.405000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6445MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:27:13 PM Aug 13, 2024

Center Freq 6.445000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 3.99 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 5.400 ms
8.42 dBm

Center 6.445000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.400 ms	8.42 dBm			
2	N	1	t	5.540 ms	5.82 dBm			
3	N	1	t	10.91 ms	-19.44 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq 6.445000000 GHz

Start Freq 6.445000000 GHz

Stop Freq 6.445000000 GHz

CF Step 8.000000 MHz

Freq Offset 0 Hz

Auto

Duty Cycle NVent ax40 6485MHz Ant2

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:29:25 PM Aug 13, 2024

Center Freq 6.485000000 GHz Avg Type: Log-Pwr

PNO: Fast Trg: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 3.98 dB
Ref 20.00 dBm

Mkr1 520.0 μ s
8.33 dBm

10 dB/div
Log

Center 6.485000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	520.0 μ s	8.33 dBm			
2	N	1	t	580.0 μ s	6.97 dBm			
3	N	1	t	5.940 ms	10.12 dBm			
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Frequency

Auto Tune

Center Freq
6.485000000 GHz

Start Freq
6.485000000 GHz

Stop Freq
6.485000000 GHz

CF Step
8.000000 MHz

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6525MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:31:11 PM Aug 13, 2024

Center Freq 6.525000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 3.97 dB
Ref 20.00 dBm

Mkr1 1.900 ms
9.50 dBm

10 dB/div
Log

Center 6.525000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.900 ms	9.50 dBm			
2	N	1	t	2.040 ms	6.10 dBm			
3	N	1	t	7.410 ms	9.57 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
6.525000000 GHz

Start Freq
6.525000000 GHz

Stop Freq
6.525000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6565MHz Ant2

The screenshot displays an Agilent Spectrum Analyzer interface. The main window shows a frequency spectrum with a yellow trace. A marker labeled 'Mkr1' is positioned at 2.080 ms and 9.66 dBm. The top status bar indicates the Center Freq is 6.565000000 GHz, Res BW is 8 MHz, and Span is 0 Hz. The right sidebar contains various settings and measurements.

Top Bar:

- Agilent Spectrum Analyzer - Swept SA
- RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:39:55 PM Aug 13, 2024
- Center Freq 6.565000000 GHz Avg Type: Log-Pwr
- PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB
- TRACE 1 2 3 4 5 6 TYPE WWWWWWWW DET P NNNNN

Main Display:

- Ref Offset 3.96 dB
- Ref 20.00 dBm
- Mkr1 2.080 ms 9.66 dBm
- 10 dB/div Log
- Center 6.565000000 GHz Span 0 Hz
- Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Table:

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.080 ms	9.66 dBm			
2	N	1	t	2.150 ms	5.02 dBm			
3	N	1	t	7.520 ms	9.95 dBm			
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Right Sidebar:

- Frequency
- Auto Tune
- Center Freq 6.565000000 GHz
- Start Freq 6.565000000 GHz
- Stop Freq 6.565000000 GHz
- CF Step 8.000000 MHz Man
- Auto
- Freq Offset 0 Hz

Bottom Bar:

- MSG STATUS

Duty Cycle NVNT ax40 6685MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:48:23 PM Aug 13, 2024

Center Freq 6.685000000 GHz Avg Type: Log-Pwr

TRAC 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N N

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4.11 dB
Ref 20.00 dBm

**Mkr1 1.130 ms
9.49 dBm**

10 dB/div
Log

Center 6.685000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.130 ms	9.49 dBm			
2	N	1	t	1.200 ms	5.47 dBm			
3	N	1	t	6.560 ms	9.51 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
6.685000000 GHz

Start Freq
6.685000000 GHz

Stop Freq
6.685000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:41:39 PM Aug 13, 2024

Center Freq 6.84500000 GHz PNO: Fast Trg: Free Run Avg Type: Log-Pwr

IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W
DET P N N N N N

Ref Offset 4.09 dB
Ref 20.00 dBm

Mkr1 2.340 ms
9.54 dBm

10 dB/div
Log

Center 6.84500000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.340 ms	9.54 dBm			
2	N	1	t	2.480 ms	5.20 dBm			
3	N	1	t	7.850 ms	9.67 dBm			
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MSQ STATUS

Frequency

Auto Tune

Center Freq
6.84500000 GHz

Start Freq
6.84500000 GHz

Stop Freq
6.84500000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6885MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:49:36 PM Aug 13, 2024

Center Freq 6.885000000 GHz Avg Type: Log-Pwr

PNO: Fast Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 4.19 dB
Ref 20.00 dBm

Mkr1 1.720 ms
9.38 dBm

10 dB/div
Log

Center 6.885000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.720 ms	9.38 dBm			
2	N	1	t	1.850 ms	6.22 dBm			
3	N	1	t	7.210 ms	9.95 dBm			
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Frequency

Auto Tune

Center Freq
6.885000000 GHz

Start Freq
6.885000000 GHz

Stop Freq
6.885000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6925MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:34:13 PM Aug 13, 2024

Center Freq 6.925000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.2 dB
Ref 20.00 dBm

10 dB/div Log

Mkr1 3.420 ms
8.53 dBm

Center 6.925000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.420 ms	8.53 dBm			
2	N	1	t	3.480 ms	4.92 dBm			
3	N	1	t	8.850 ms	8.62 dBm			
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Frequency

Auto Tune

Center Freq
6.925000000 GHz

Start Freq
6.925000000 GHz

Stop Freq
6.925000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6965MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:35:29 PM Aug 13, 2024

Center Freq 6.965000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W W W
DET P N N N N N N

Ref Offset 4.15 dB
Ref 20.00 dBm

PN0: Fast $\rightarrow$ Trig: Free Run
IFGain:Low #Atten: 30 dB

10 dB/div
Log

Mkr1 6.440 ms
8.96 dBm

Center 6.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	6.440 ms	8.96 dBm			
2	N	1	t	4.730 ms	7.02 dBm			
3	N	1	t	10.09 ms	10.06 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
6.965000000 GHz

Start Freq
6.965000000 GHz

Stop Freq
6.965000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 7085MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:37:00 PM Aug 13, 2024

Center Freq 7.085000000 GHz Avg Type: Log-Pwr

PN0: Fast Trig: Free Run
IFGain:Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 4.08 dB
Ref 20.00 dBm

Mkr1 3.910 ms
9.67 dBm

10 dB/div
Log

Center 7.085000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.910 ms	9.67 dBm			
2	N	1	t	3.990 ms	7.65 dBm			
3	N	1	t	9.350 ms	10.44 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
7.085000000 GHz

Start Freq
7.085000000 GHz

Stop Freq
7.085000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 5965MHz Ant3

The image displays the Agilent Spectrum Analyzer - Sweep SA interface. The main plot shows a spectrum with a yellow trace and a green marker at 3.970 ms. The plot is titled "Center Freq 5.965000000 GHz". The plot shows a spectrum with a yellow trace and a green marker at 3.970 ms. The plot is titled "Center Freq 5.965000000 GHz".

Center Freq 5.965000000 GHz

Ref Offset 3.89 dB
Ref 20.00 dBm

Mkr1 3.970 ms
3.19 dBm

Center 5.965000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 100.0 ms (10001 pts)
Span 0 Hz

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.970 ms	3.19 dBm			
2	N	1	t	4.090 ms	-0.11 dBm			
3	N	1	t	9.460 ms	3.21 dBm			
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Frequency

Auto Tune

Center Freq
5.965000000 GHz

Start Freq
5.965000000 GHz

Stop Freq
5.965000000 GHz

CF Step
8.000000 MHz

Freq Offset
0 Hz

MSG **STATUS**

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:54:34 PM Aug 13, 2024

Center Freq 6.165000000 GHz Avg Type: Log-Pwr

PNO: Fast Trg: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W
DET P N N N N N

Ref Offset 3.84 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 410.0 μs
9.34 dBm

Center 6.165000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	410.0 μs	9.34 dBm			
2	N	1	t	470.0 μs	6.67 dBm			
3	N	1	t	5.840 ms	9.63 dBm			
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Frequency

Auto Tune

Center Freq
6.165000000 GHz

Start Freq
6.165000000 GHz

Stop Freq
6.165000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

MSQ STATUS

Duty Cycle NVNT ax40 6405MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:57:25 PM Aug 13, 2024

Center Freq 6.405000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 3.98 dB
Ref 20.00 dBm

Mkr1 1.440 ms
9.48 dBm

10 dB/div
Log

Center 6.405000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.440 ms	9.48 dBm			
2	N	1	t	1.560 ms	5.89 dBm			
3	N	1	t	6.920 ms	9.43 dBm			
4								
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11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.405000000 GHz

Start Freq
6.405000000 GHz

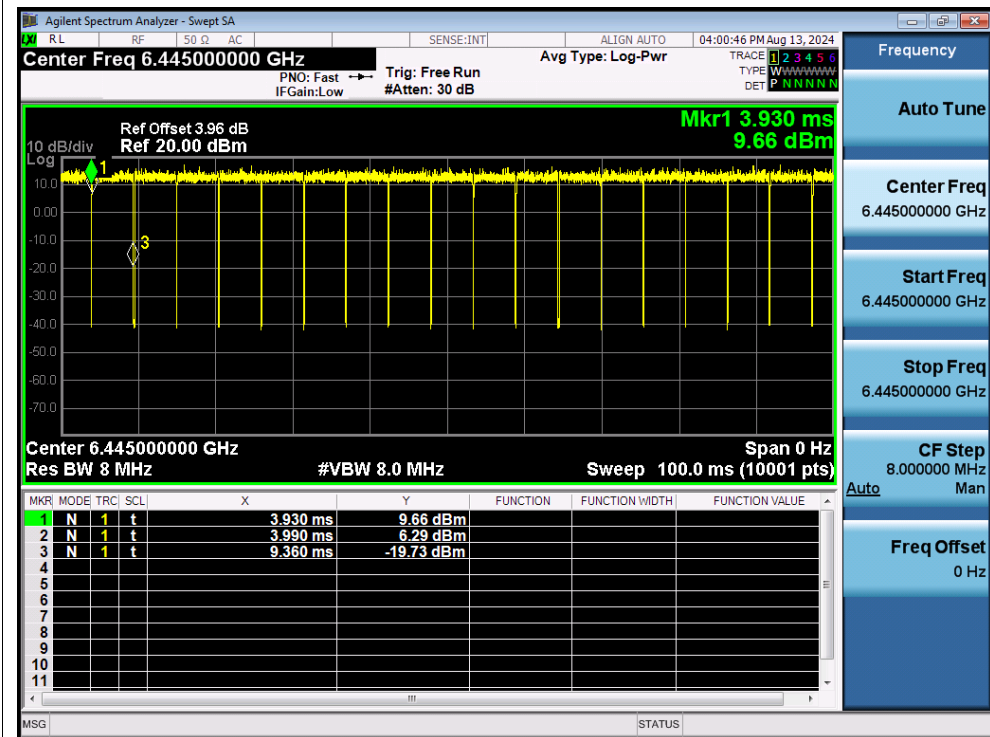
Stop Freq
6.405000000 GHz

CF Step
8.000000 MHz
Man

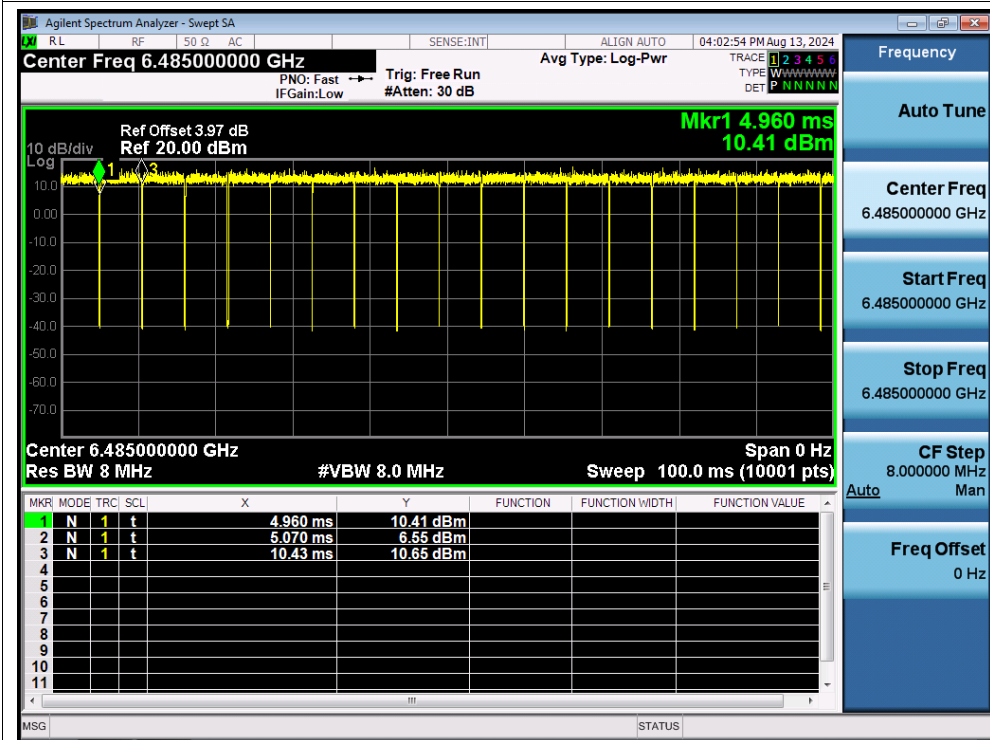
Auto

Freq Offset
0 Hz

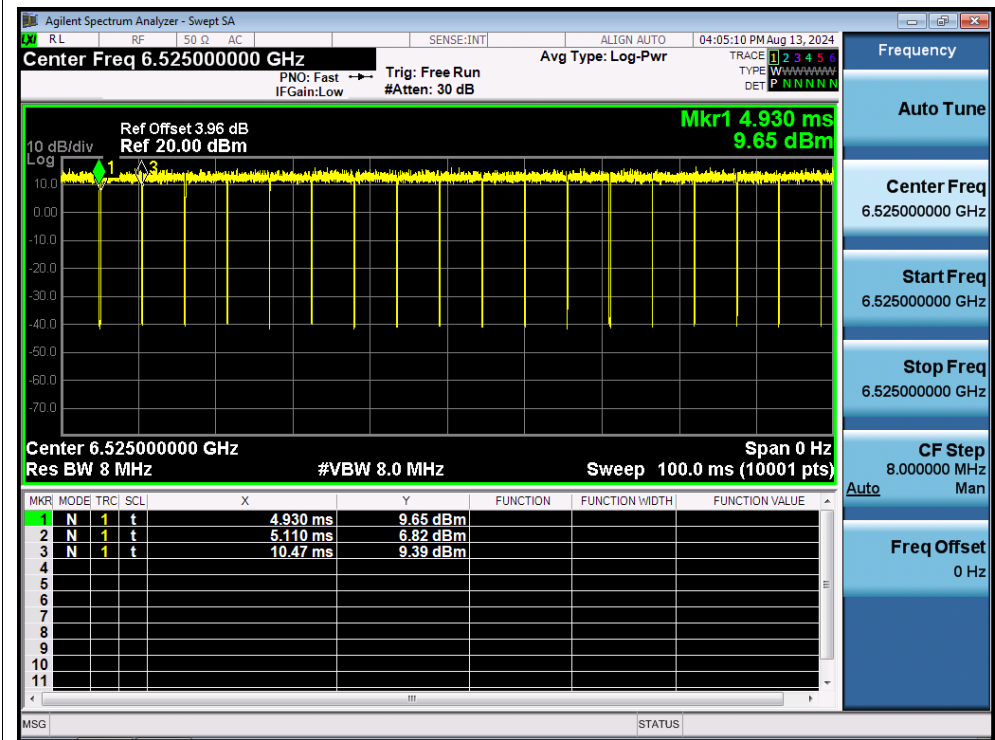
Duty Cycle NVNT ax40 6445MHz Ant3



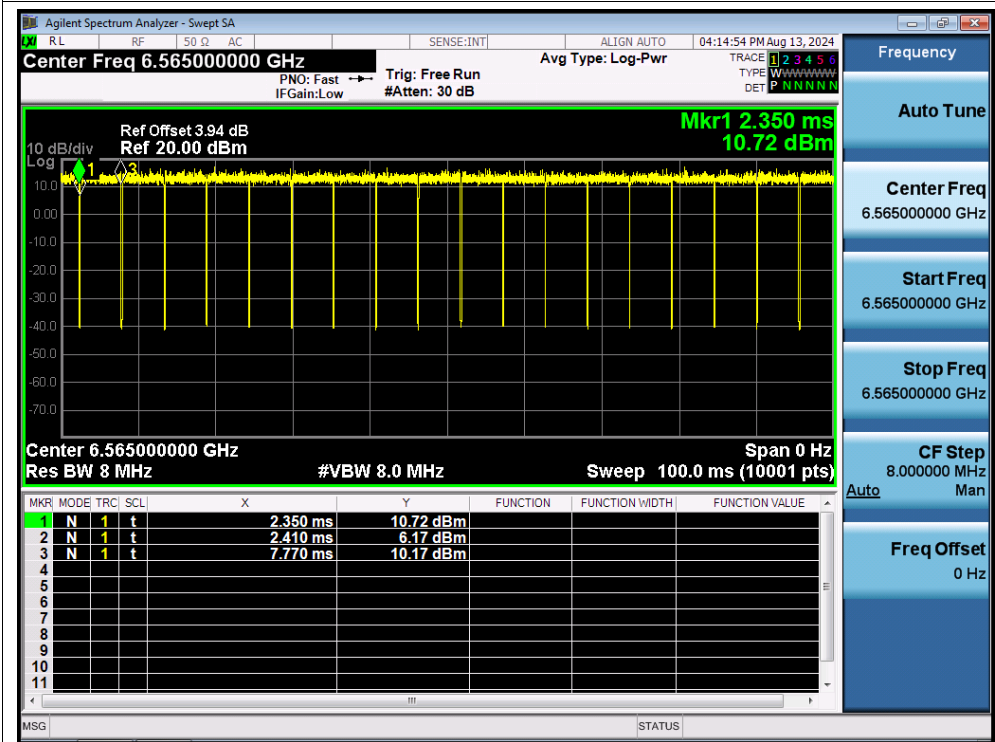
Duty Cycle NVNT ax40 6485MHz Ant3



Duty Cycle NVNT ax40 6525MHz Ant3



Duty Cycle NVNT ax40 6565MHz Ant3



Duty Cycle NVNT ax40 6685MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:17:05 PM Aug 13, 2024

Center Freq 6.685000000 GHz Avg Type: Log-Pwr PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

Ref Offset 4.03 dB Ref 20.00 dBm

10 dB/div Log

Mkr1 3.960 ms 8.78 dBm

Center 6.685000000 GHz Span 0 Hz Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.960 ms	8.78 dBm			
2	N	1	t	4.070 ms	5.38 dBm			
3	N	1	t	9.440 ms	8.49 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
6.685000000 GHz

Start Freq
6.685000000 GHz

Stop Freq
6.685000000 GHz

CF Step
8.000000 MHz

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6845MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:18:23 PM Aug 13, 2024

Center Freq 6.845000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W W W
DET P N N N N N N

Ref Offset 4.11 dB
Ref 20.00 dBm

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

**Mkr1 1.770 ms
7.95 dBm**

10 dB/div
Log

Center 6.845000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.770 ms	7.95 dBm			
2	N	1	t	1.860 ms	4.41 dBm			
3	N	1	t	7.230 ms	8.38 dBm			
4								
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11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.845000000 GHz

Start Freq
6.845000000 GHz

Stop Freq
6.845000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6885MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:06:45 PM Aug 13, 2024

Center Freq 6.885000000 GHz Avg Type: Log-Pwr

PNO: Fast $\leftrightarrow$ Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4.16 dB
Ref 20.00 dBm

Mkr1 1.790 ms
6.48 dBm

10 dB/div
Log

Center 6.885000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.790 ms	6.48 dBm			
2	N	1	t	1.940 ms	2.95 dBm			
3	N	1	t	7.300 ms	5.30 dBm			
4								
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Frequency

Auto Tune

Center Freq
6.885000000 GHz

Start Freq
6.885000000 GHz

Stop Freq
6.885000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6925MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:08:23 PM Aug 13, 2024

Center Freq 6.925000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4.17 dB
Ref 20.00 dBm

**Mkr1 2.020 ms
7.00 dBm**

10 dB/div
Log

Center 6.925000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.020 ms	7.00 dBm			
2	N	1	t	2.090 ms	3.32 dBm			
3	N	1	t	7.460 ms	6.81 dBm			
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MSG STATUS

Frequency

Auto Tune

Center Freq
6.925000000 GHz

Start Freq
6.925000000 GHz

Stop Freq
6.925000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6965MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:09:52 PM Aug 13, 2024

Center Freq 6.965000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 4.13 dB
Ref 20.00 dBm

**Mkr1 2.590 ms
7.38 dBm**

10 dB/div
Log

Center 6.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.590 ms	7.38 dBm			
2	N	1	t	2.730 ms	3.47 dBm			
3	N	1	t	8.100 ms	7.41 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.965000000 GHz

Start Freq
6.965000000 GHz

Stop Freq
6.965000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 7085MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:11:58 PM Aug 13, 2024

Center Freq 7.085000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W W W
DET P N N N N N

Ref Offset 4.07 dB
Ref 20.00 dBm

PN0: Fast $\rightarrow$ Trig: Free Run
IFGain:Low #Atten: 30 dB

Mkr1 3.700 ms
10.16 dBm

Center 7.085000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.700 ms	10.16 dBm			
2	N	1	t	3.870 ms	5.87 dBm			
3	N	1	t	9.240 ms	9.87 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency
Auto Tune
Center Freq 7.085000000 GHz
Start Freq 7.085000000 GHz
Stop Freq 7.085000000 GHz
CF Step 8.000000 MHz
Auto Man
Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:23:12 PM Aug 13, 2024

Center Freq 5.965000000 GHz PNO: Fast → Trig: Free Run Avg Type: Log-Pwr TRACE 1 2 3 4 5 6
IF Gain: Low #Atten: 30 dB TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4 dB Mkr1 1.760 ms
Ref 20.00 dBm 5.72 dBm

10 dB/div Log

Center 5.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.760 ms	5.72 dBm			
2	N	1	t	1.880 ms	2.79 dBm			
3	N	1	t	7.250 ms	4.29 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 5.965000000 GHz

Start Freq 5.965000000 GHz

Stop Freq 5.965000000 GHz

CF Step 8.000000 MHz Man

Auto

Freq Offset 0 Hz

Duty Cycle NVNT ax40 6165MHz Ant4

Agilent Spectrum Analyzer - Swept SA

Center Freq 6.165000000 GHz

Avg Type: Log-Pwr

Trig: Free Run

PNO: Fast

IF Gain: Low

#Atten: 30 dB

Ref Offset 4.02 dB

Ref 20.00 dBm

Mkr1 4.220 ms

9.52 dBm

10 dB/div

Log

Center 6.165000000 GHz

Span 0 Hz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.220 ms	9.52 dBm			
2	N	1	t	4.370 ms	6.22 dBm			
3	N	1	t	9.740 ms	-14.09 dBm			

Agilent Spectrum Analyzer - Swept SA

Center Freq 6.405000000 GHz

Ref Offset 4.26 dB
Ref 20.00 dBm

Mkr1 580.0 μ s
9.06 dBm

Center 6.405000000 GHz
Res BW 8 MHz
Span 0 Hz
Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	580.0 μ s	9.06 dBm			
2	N	1	t	640.0 μ s	5.95 dBm			
3	N	1	t	6.010 ms	9.58 dBm			

Duty Cycle NVNT ax40 6445MHz Ant4

Agilent Spectrum Analyzer - Swept SA

Center Freq 6.445000000 GHz

Ref Offset 4.23 dB
Ref 20.00 dBm

Mkr1 2.620 ms
9.11 dBm

Center 6.445000000 GHz
Res BW 8 MHz

Span 0 Hz
Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.620 ms	9.11 dBm			
2	N	1	t	2.720 ms	6.12 dBm			
3	N	1	t	8.080 ms	9.37 dBm			

Duty Cycle NVNT ax40 6485MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:31:46 PM Aug 13, 2024

Center Freq 6.485000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 1.14 dB
Ref 20.00 dBm

**Mkr1 5.340 ms
8.92 dBm**

10 dB/div
Log

Center 6.485000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.340 ms	8.92 dBm			
2	N	1	t	5.410 ms	4.83 dBm			
3	N	1	t	10.78 ms	9.48 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
6.485000000 GHz

Start Freq
6.485000000 GHz

Stop Freq
6.485000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:33:07 PM Aug 13, 2024

Center Freq 6.525000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

PNO: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4.11 dB
Ref 20.00 dBm

Mkr1 5.210 ms
-24.34 dBm

10 dB/div
Log

Center 6.525000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.210 ms	-24.34 dBm			
2	N	1	t	5.300 ms	5.51 dBm			
3	N	1	t	10.67 ms	9.20 dBm			
4								
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7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.525000000 GHz

Start Freq
6.525000000 GHz

Stop Freq
6.525000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6565MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:44:08 PM Aug 13, 2024

Center Freq 6.565000000 GHz Avg Type: Log-Pwr PNO: Fast Trig: Free Run IF Gain: Low #Atten: 30 dB

Ref Offset 4.08 dB Mkr1 3.980 ms
Ref 20.00 dBm 9.19 dBm

10 dB/div Log

Center 6.565000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.980 ms	9.19 dBm			
2	N	1	t	4.150 ms	7.51 dBm			
3	N	1	t	9.510 ms	9.41 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune

Center Freq 6.565000000 GHz

Start Freq 6.565000000 GHz

Stop Freq 6.565000000 GHz

CF Step 8.000000 MHz Man

Auto

Freq Offset 0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6685MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:45:25 PM Aug 13, 2024

Center Freq 6.685000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4.2 dB
Ref 20.00 dBm

Mkr1 2.730 ms
9.65 dBm

10 dB/div
Log

Center 6.685000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.730 ms	9.65 dBm			
2	N	1	t	2.870 ms	6.22 dBm			
3	N	1	t	8.240 ms	9.41 dBm			
4								
5								
6								
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8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.685000000 GHz

Start Freq
6.685000000 GHz

Stop Freq
6.685000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:46:49 PM Aug 13, 2024

Center Freq 6.845000000 GHz Avg Type: Log-Pwr

PNO: Fast Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 4.22 dB
Ref 20.00 dBm

Mkr1 5.250 ms
8.58 dBm

10 dB/div
Log

Center 6.845000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.250 ms	8.58 dBm			
2	N	1	t	5.360 ms	4.75 dBm			
3	N	1	t	10.72 ms	7.85 dBm			
4								
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10								
11								

Frequency

Auto Tune

Center Freq
6.845000000 GHz

Start Freq
6.845000000 GHz

Stop Freq
6.845000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax40 6885MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:34:32 PM Aug 13, 2024

Center Freq 6.885000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.22 dB
Ref 20.00 dBm

PN0: Fast → Trg: Free Run
IF Gain: Low #Atten: 30 dB

**Mkr1 3.340 ms
6.17 dBm**

10 dB/div
Log

Center 6.885000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.340 ms	6.17 dBm			
2	N	1	t	3.450 ms	0.79 dBm			
3	N	1	t	8.820 ms	6.06 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.885000000 GHz

Start Freq
6.885000000 GHz

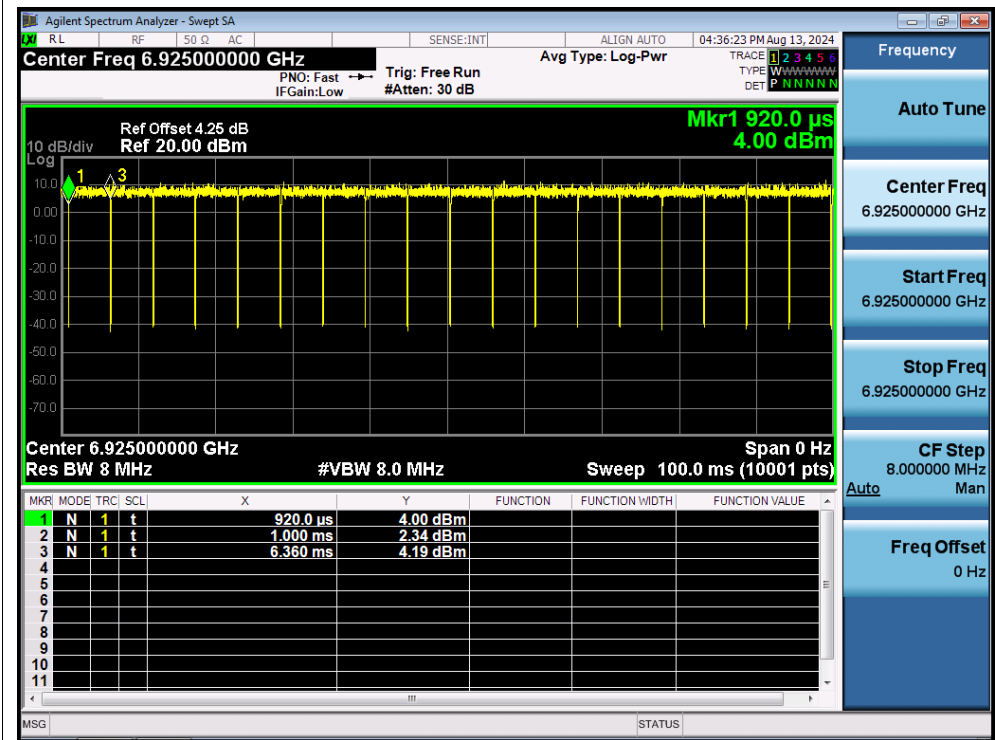
Stop Freq
6.885000000 GHz

CF Step
8.000000 MHz
Man

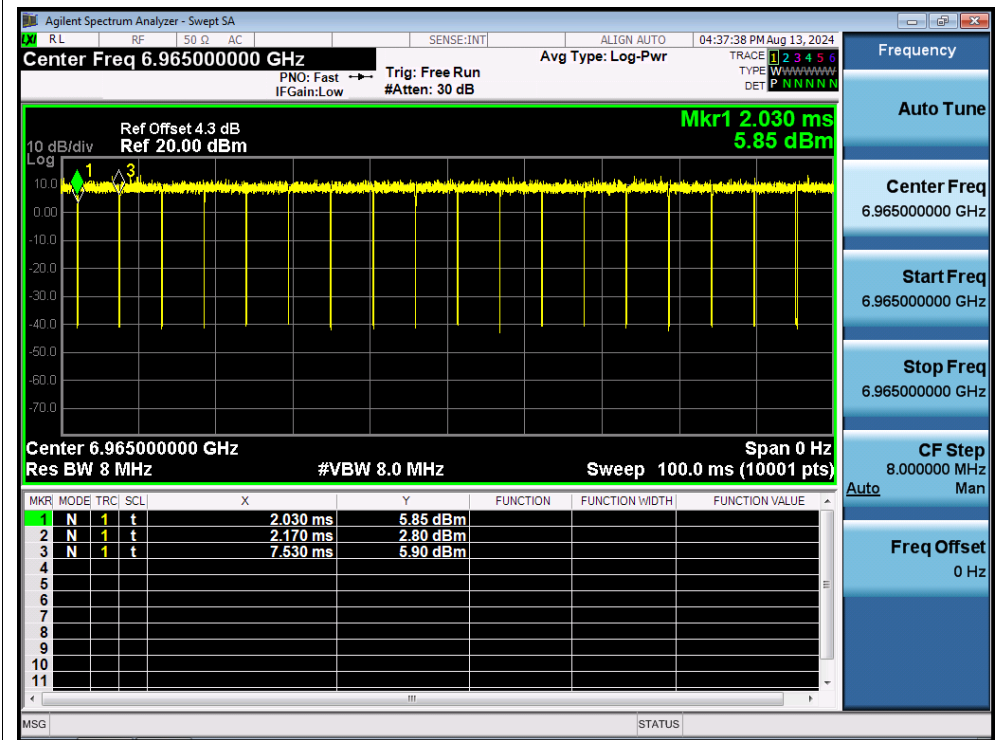
Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 6925MHz Ant4



Duty Cycle NVNT ax40 6965MHz Ant4



Duty Cycle NVNT ax40 7085MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:41:26 PM Aug 13, 2024

Center Freq 7.085000000 GHz Avg Type: Log-Pwr PNO: Fast Trig: Free Run IF Gain: Low #Atten: 30 dB

Ref Offset 4.28 dB Mkr1 2.050 ms
Ref 20.00 dBm 9.49 dBm

Log dB/div

Center 7.085000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.050 ms	9.49 dBm			
2	N	1	t	2.150 ms	6.14 dBm			
3	N	1	t	7.520 ms	8.94 dBm			
4								
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6								
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8								
9								
10								
11								

Frequency
Auto Tune
Center Freq 7.085000000 GHz
Start Freq 7.085000000 GHz
Stop Freq 7.085000000 GHz
CF Step 8.000000 MHz
Man
Auto
Freq Offset 0 Hz

MSG STATUS

Duty Cycle NVNT ax40 5965MHz Sum

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:35:09 PM Aug 14, 2024

Center Freq 5.965000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 3.92 dB
Ref 20.00 dBm

PN0: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

10 dB/div
Log

Mkr1 1.780 ms
3.39 dBm

Center 5.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.780 ms	3.39 dBm			
2	N	1	t	1.900 ms	0.34 dBm			
3	N	1	t	7.260 ms	3.47 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
5.965000000 GHz

Start Freq
5.965000000 GHz

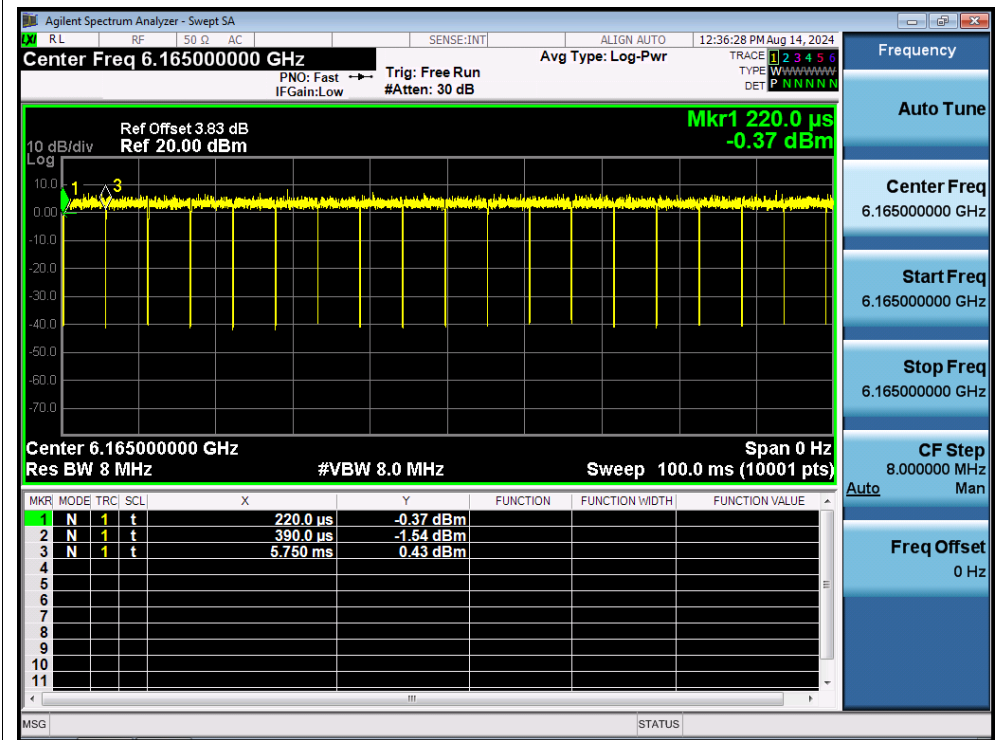
Stop Freq
5.965000000 GHz

CF Step
8.000000 MHz
Man

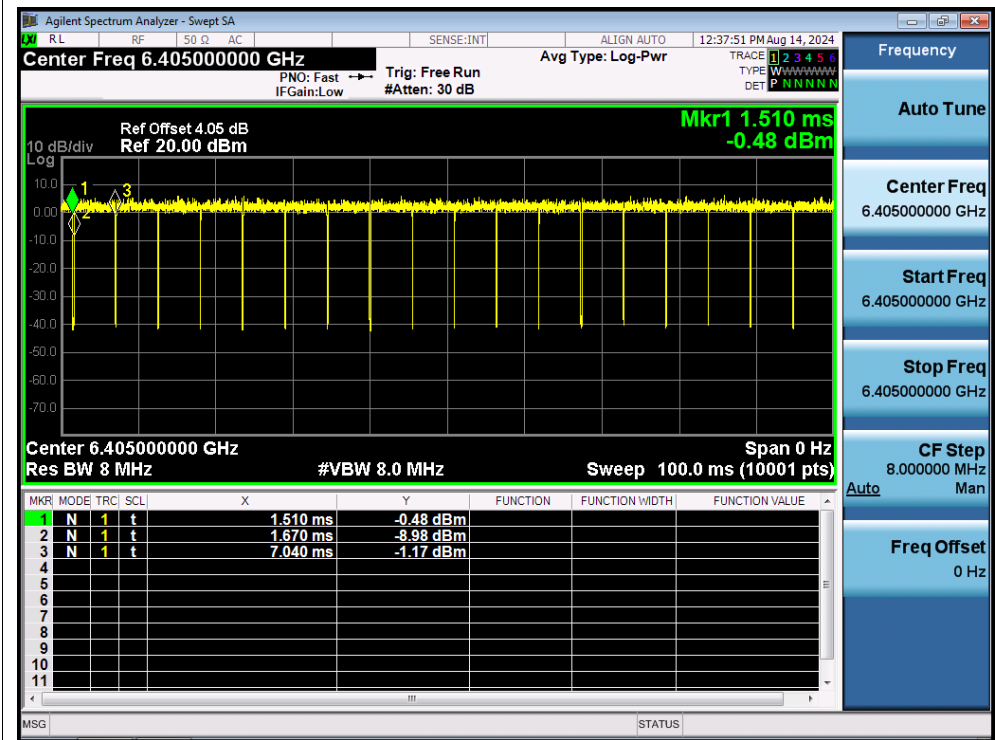
Auto

Freq Offset
0 Hz

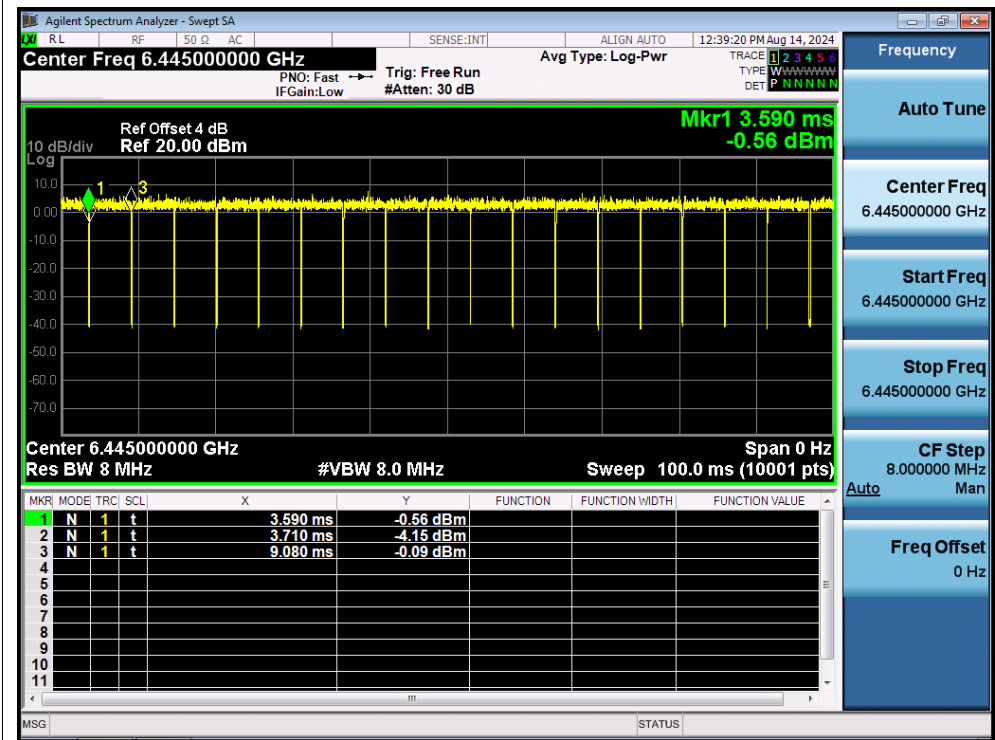
Duty Cycle NVNT ax40 6165MHz Sum



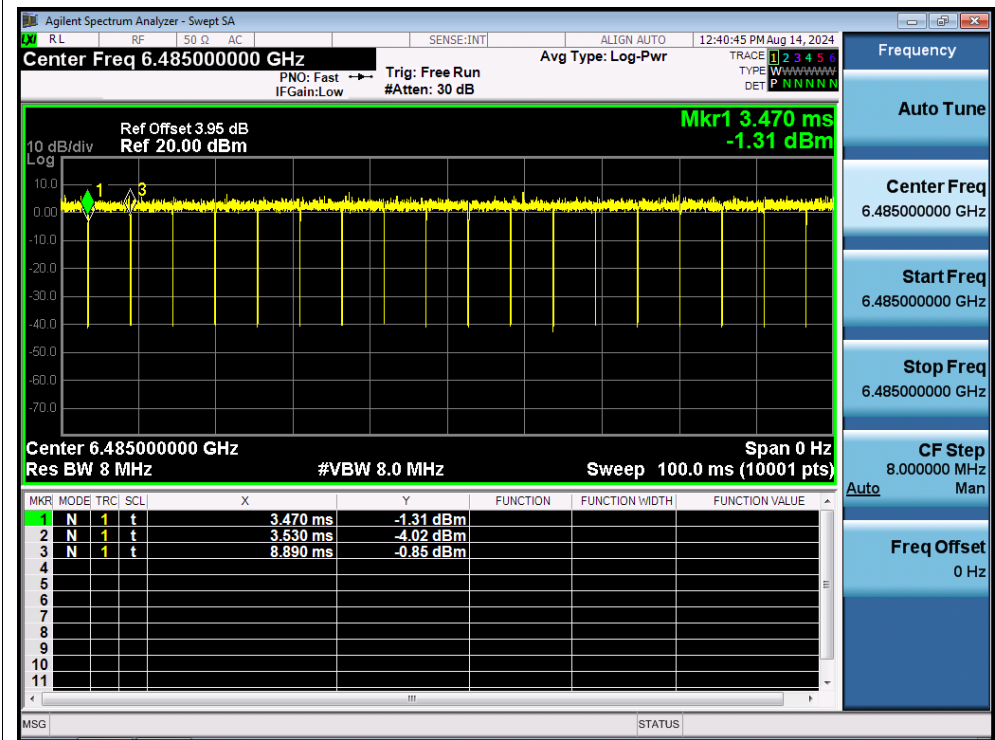
Duty Cycle NVNT ax40 6405MHz Sum



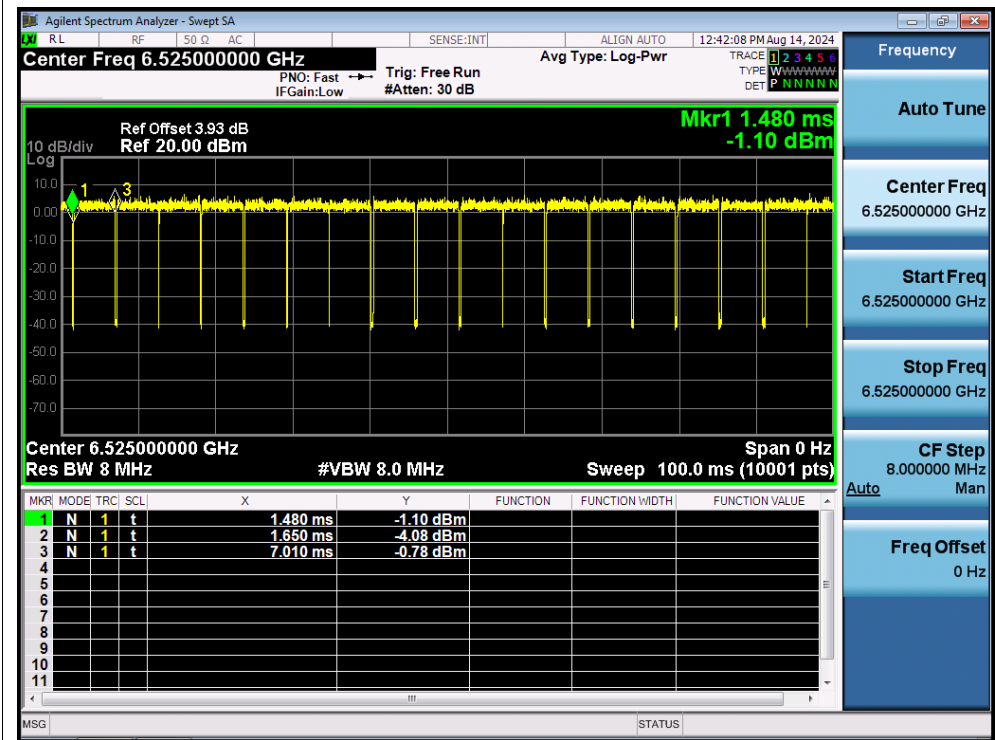
Duty Cycle NVNT ax40 6445MHz Sum



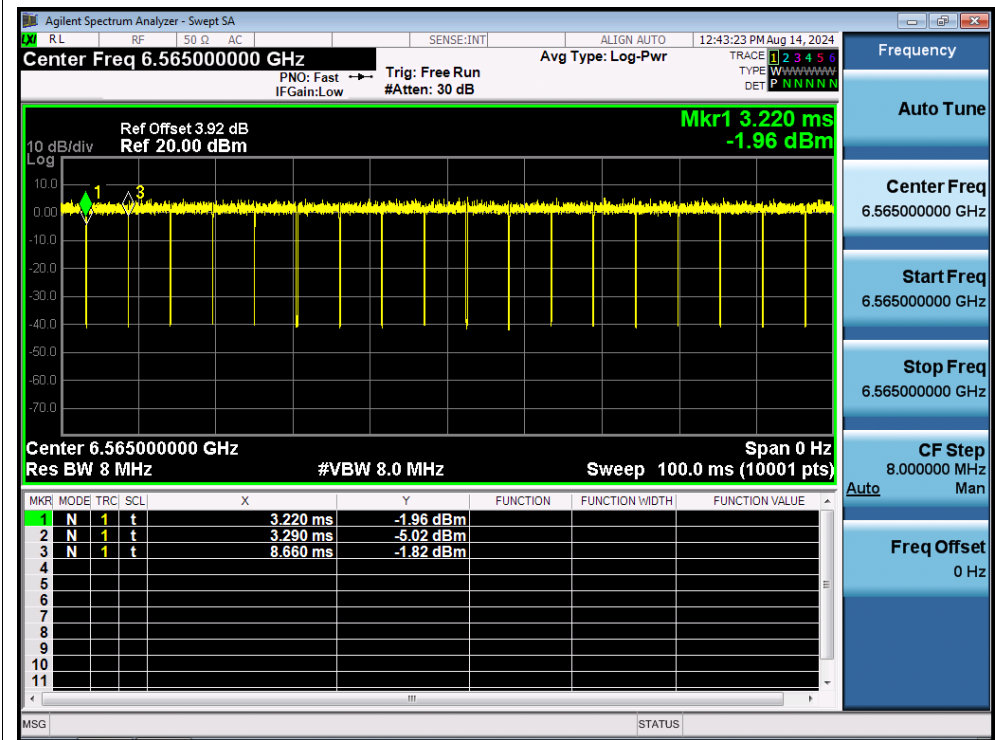
Duty Cycle NVNT ax40 6485MHz Sum



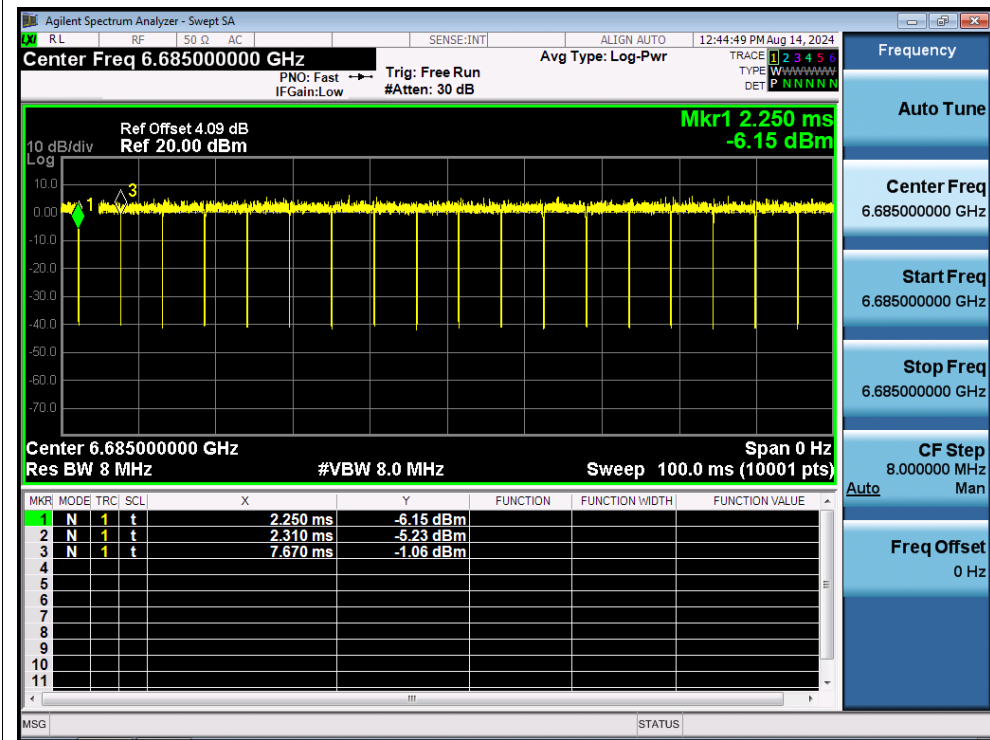
Duty Cycle NVNT ax40 6525MHz Sum



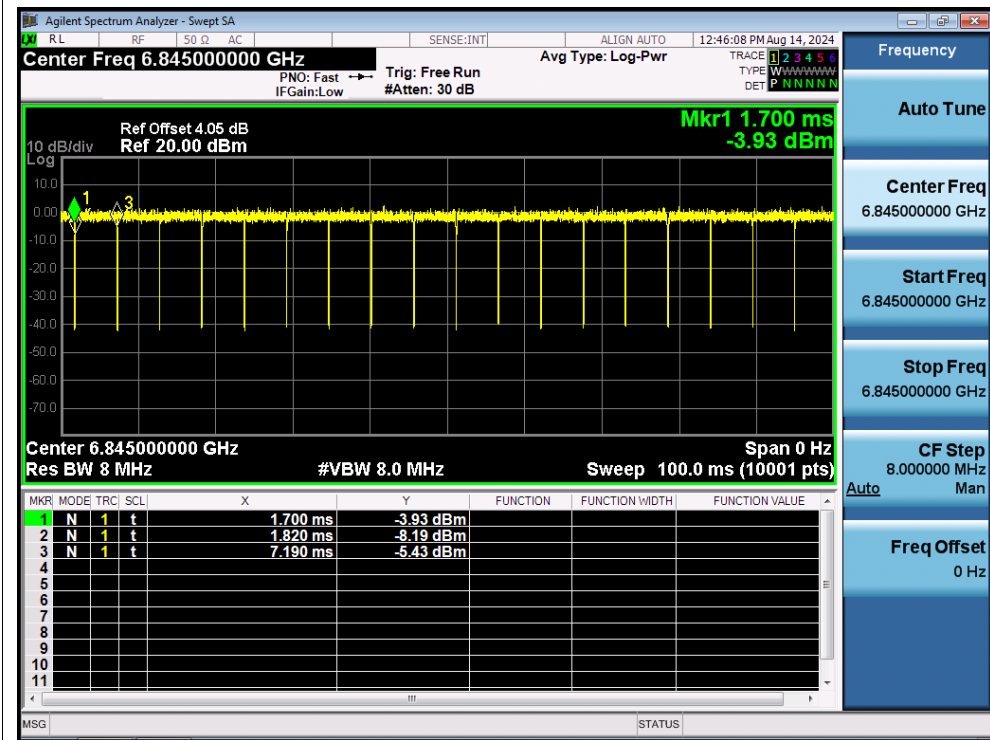
Duty Cycle NVNT ax40 6565MHz Sum



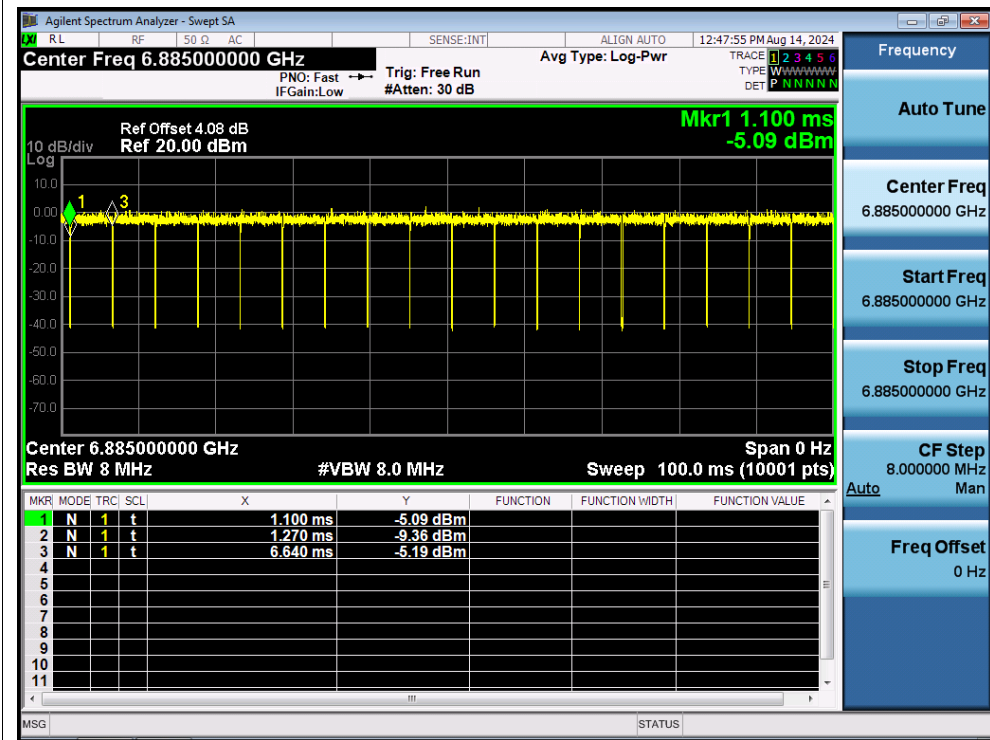
Duty Cycle NVNT ax40 6685MHz Sum



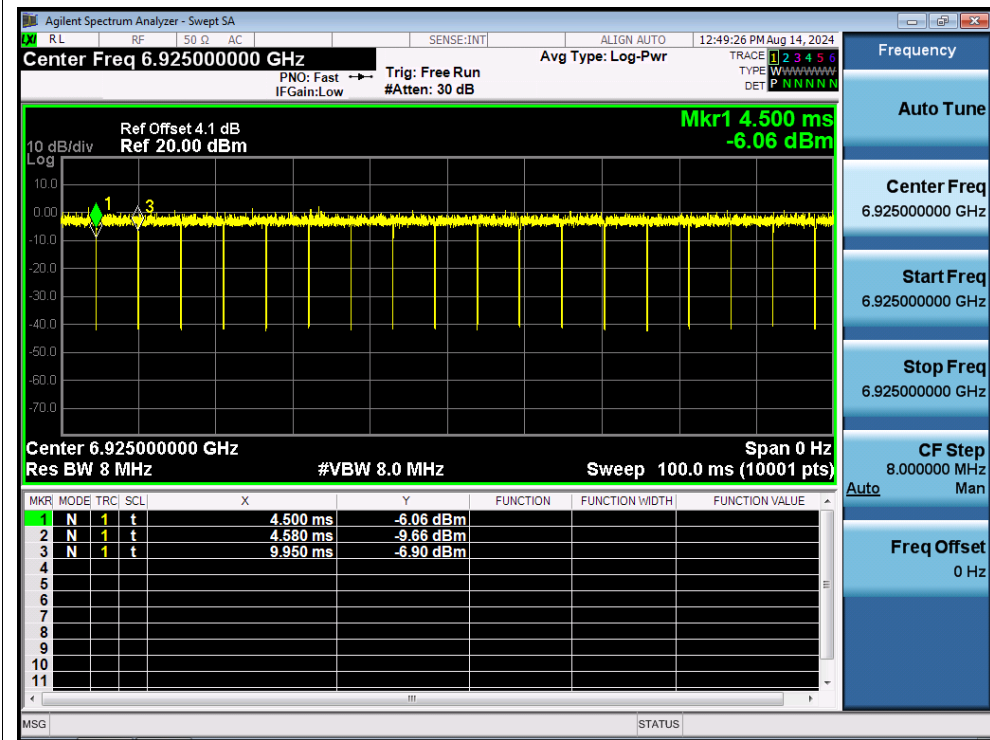
Duty Cycle NVNT ax40 6845MHz Sum



Duty Cycle NVNT ax40 6885MHz Sum



Duty Cycle NVNT ax40 6925MHz Sum



Duty Cycle NVNT ax40 6965MHz Sum

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:50:50 PM Aug 14, 2024

Center Freq 6.965000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 4.15 dB
Ref 20.00 dBm

Mkr1 1.450 ms
1.72 dBm

10 dB/div
Log

Center 6.965000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.450 ms	1.72 dBm			
2	N	1	t	1.580 ms	-2.00 dBm			
3	N	1	t	6.950 ms	1.38 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.965000000 GHz

Start Freq
6.965000000 GHz

Stop Freq
6.965000000 GHz

CF Step
8.000000 MHz

Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax40 7085MHz Sum

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 12:52:06 PM Aug 14, 2024

Center Freq 7.085000000 GHz Avg Type: Log-Pwr

TRAC 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.05 dB
Ref 20.00 dBm

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

**Mkr1 2.600 ms
4.23 dBm**

10 dB/div
Log

Center 7.085000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.600 ms	4.23 dBm			
2	N	1	t	2.670 ms	1.07 dBm			
3	N	1	t	8.040 ms	3.61 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
7.085000000 GHz

Start Freq
7.085000000 GHz

Stop Freq
7.085000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax80 5985MHz Ant1

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:50:51 PM Aug 13, 2024

Center Freq 5.985000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE WWWWWW
DET P NNNNN

Ref Offset 3.95 dB
Ref 20.00 dBm

**Mkr1 110.0 μs
4.75 dBm**

10 dB/div
Log

Center 5.985000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	110.0 μs	4.75 dBm			
2	N	1	t	220.0 μs	1.34 dBm			
3	N	1	t	5.620 ms	5.21 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
5.985000000 GHz

Start Freq
5.985000000 GHz

Stop Freq
5.985000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax80 6145MHz Ant1

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:52:04 PM Aug 13, 2024

Center Freq 6.145000000 GHz Avg Type: Log-Pwr

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 3.92 dB
Ref 20.00 dBm

**Mkr1 3.810 ms
8.48 dBm**

10 dB/div
Log

Center 6.145000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.810 ms	8.48 dBm			
2	N	1	t	3.950 ms	4.67 dBm			
3	N	1	t	9.350 ms	8.59 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.145000000 GHz

Start Freq
6.145000000 GHz

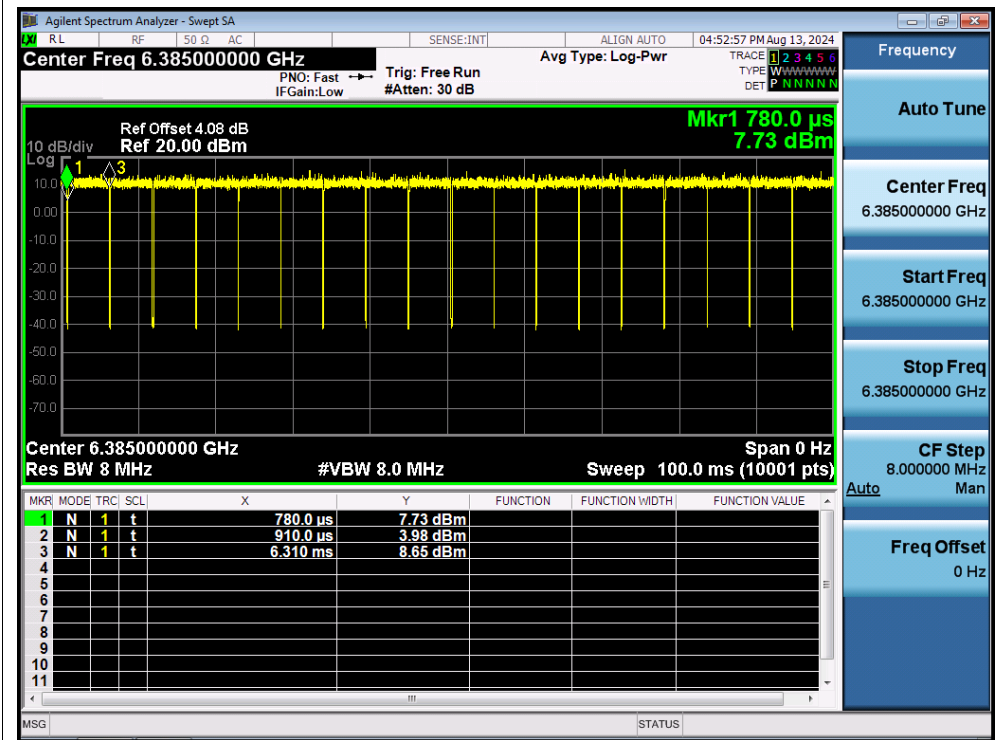
Stop Freq
6.145000000 GHz

CF Step
8.000000 MHz
Man

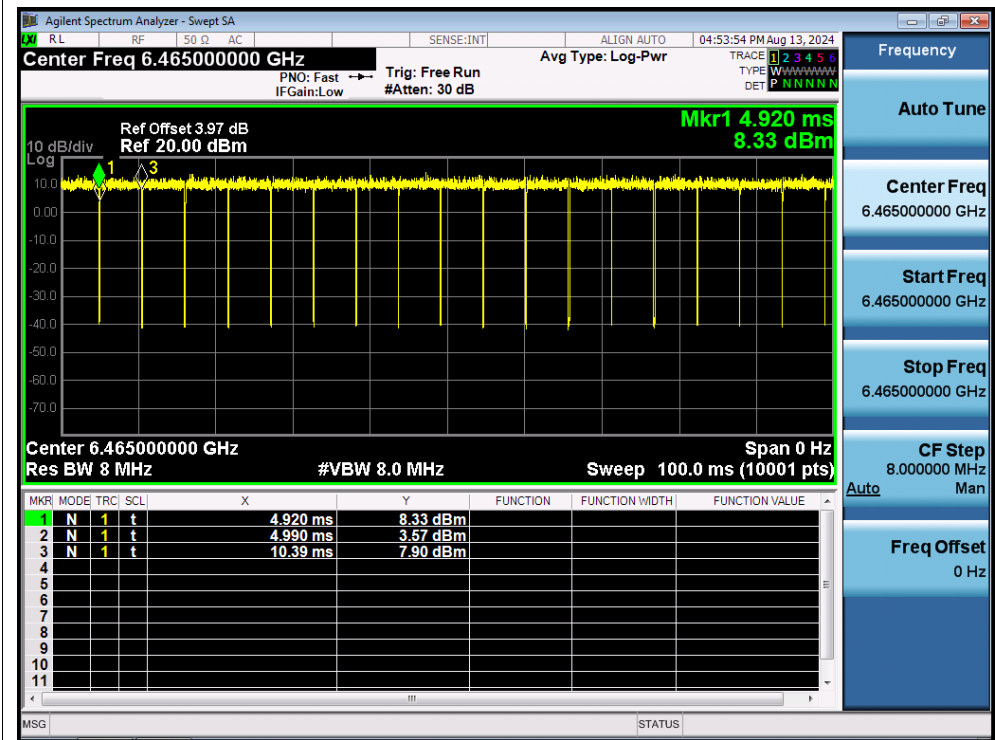
Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax80 6385MHz Ant1



Duty Cycle NVNT ax80 6465MHz Ant1



Duty Cycle NVNT ax80 6545MHz Ant1

The screenshot displays an Agilent Spectrum Analyzer interface. The main plot shows a signal at 6.545 GHz with a peak level of approximately -10 dBm. A marker Mkr1 is placed at 5.130 ms, indicating a pulse width of 7.49 dBm. The trace is set to Log-Pwr and the sweep rate is 100.0 ms.

Center Freq 6.545000000 GHz

Mkr1 5.130 ms
7.49 dBm

Ref Offset 3.92 dB
Ref 20.00 dBm

PNO: Fast
IF Gain: Low

Trig: Free Run
#Atten: 30 dB

Avg Type: Log-Pwr

Frequency

Auto Tune

Center Freq
6.545000000 GHz

Start Freq
6.545000000 GHz

Stop Freq
6.545000000 GHz

CF Step
8.000000 MHz

Freq Offset
0 Hz

Center 6.545000000 GHz

Span 0 Hz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.130 ms	7.49 dBm			
2	N	1	t	5.190 ms	3.59 dBm			
3	N	1	t	10.59 ms	7.14 dBm			
4								
5								
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8								
9								
10								
11								

MSG

STATUS

Duty Cycle NVNT ax80 6625MHz Ant1

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 04:55:35 PM Aug 13, 2024

Center Freq 6.625000000 GHz Avg Type: Log-Pwr

TRAC 1 2 3 4 5 6
TYPE W W W W W W W W W W
DET P N N N N N N

Ref Offset 3.97 dB
Ref 20.00 dBm

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

10 dB/div
Log

Mkr1 1.950 ms
9.12 dBm

Center 6.625000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.950 ms	9.12 dBm			
2	N	1	t	2.110 ms	7.52 dBm			
3	N	1	t	7.510 ms	9.77 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.625000000 GHz

Start Freq
6.625000000 GHz

Stop Freq
6.625000000 GHz

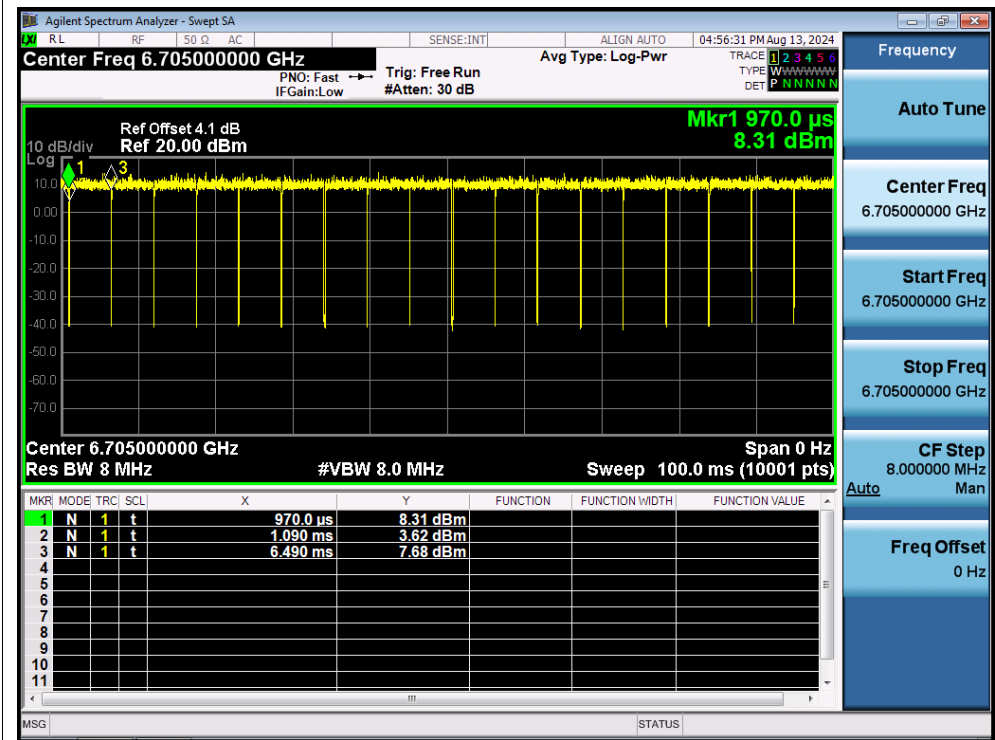
CF Step
8.000000 MHz

Man

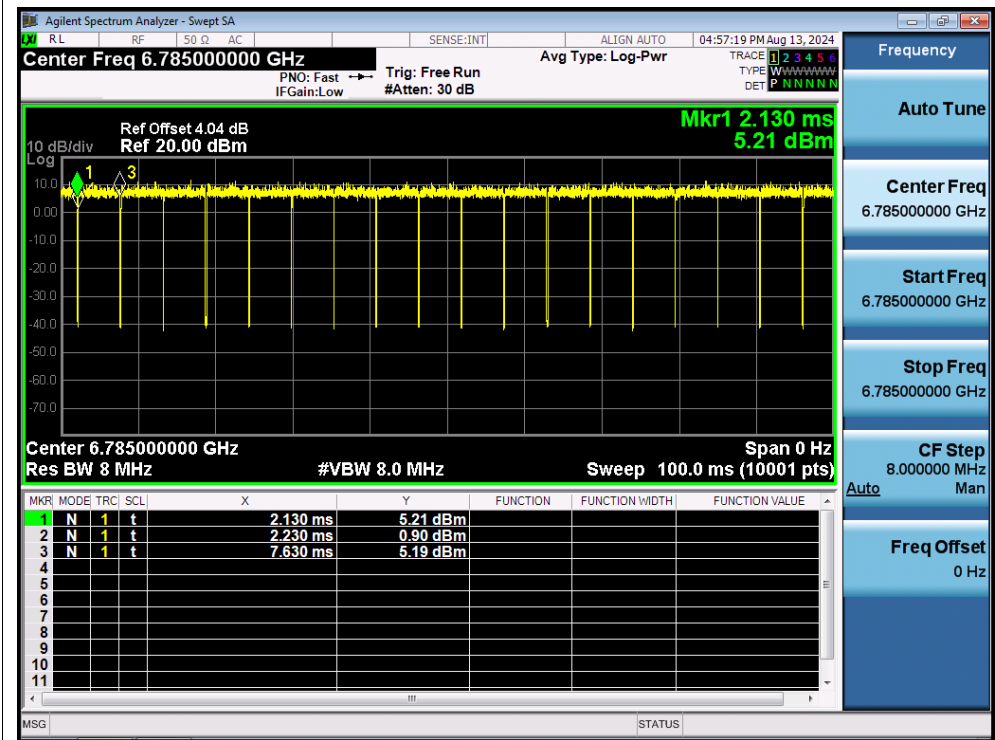
Auto

Freq Offset
0 Hz

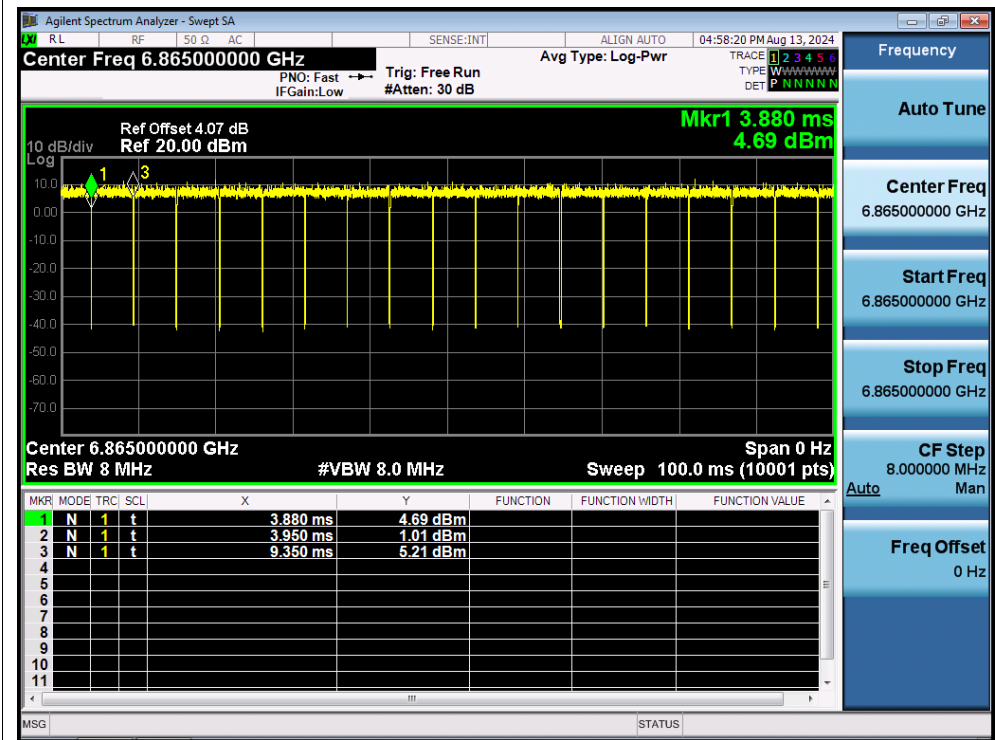
Duty Cycle NVNT ax80 6705MHz Ant1



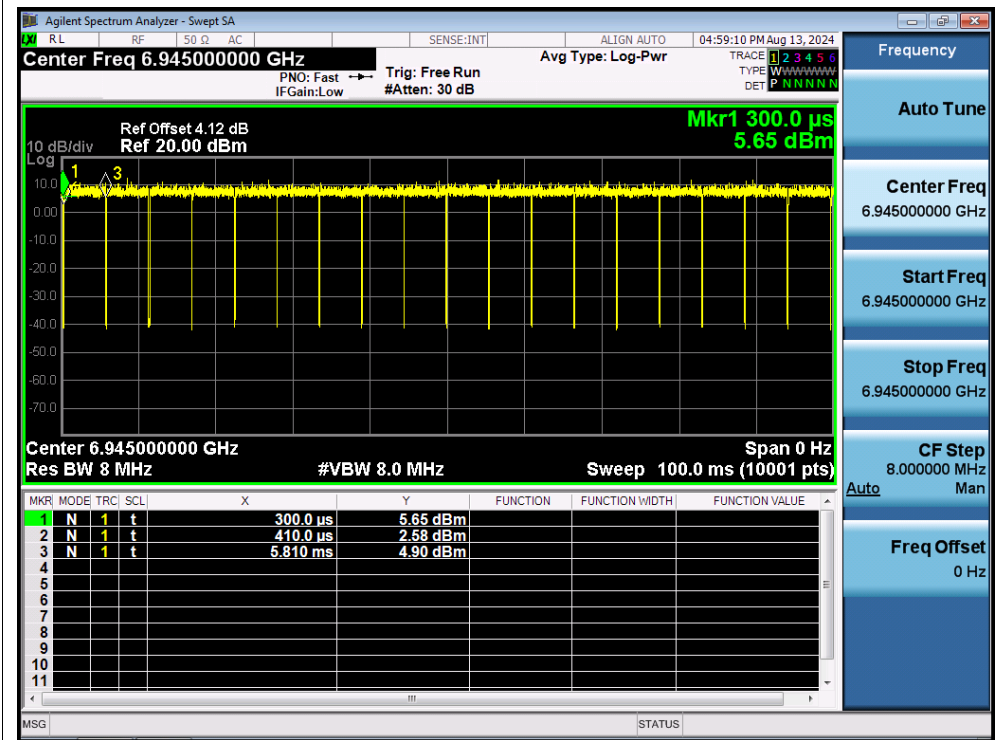
Duty Cycle NVNT ax80 6785MHz Ant1



Duty Cycle NVNT ax80 6865MHz Ant1



Duty Cycle NVNT ax80 6945MHz Ant1



[illegible]

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:17:03 PM Aug 13, 2024

Center Freq 5.985000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 3.89 dB
Ref 20.00 dBm

Mkr1 5.520 ms
12.00 dBm

10 dB/div
Log

Center 5.985000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.520 ms	12.00 dBm			
2	N	1	t	5.630 ms	7.25 dBm			
3	N	1	t	11.03 ms	11.18 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
5.985000000 GHz

Start Freq
5.985000000 GHz

Stop Freq
5.985000000 GHz

CF Step
8.000000 MHz
Auto Man

Freq Offset
0 Hz

Duty Cycle NVNT ax80 6145MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:19:05 PM Aug 13, 2024

Center Freq 6.145000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 3.92 dB
Ref 20.00 dBm

Mkr1 5.410 ms
8.74 dBm

10 dB/div
Log

Center 6.145000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	5.410 ms	8.74 dBm			
2	N	1	t	5.500 ms	5.54 dBm			
3	N	1	t	10.90 ms	9.11 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
6.145000000 GHz

Start Freq
6.145000000 GHz

Stop Freq
6.145000000 GHz

CF Step
8.000000 MHz

Freq Offset
0 Hz

Auto Man

MSG STATUS

Duty Cycle NVNT ax80 6385MHz Ant2

The screenshot displays an Agilent Spectrum Analyzer interface. The main window shows a spectrum plot with a yellow trace. Key measurements are highlighted in green: Mkr1 at 3.210 ms and 9.02 dBm. The plot has a resolution bandwidth of 8 MHz and a sweep time of 100.0 ms. The frequency range is centered around 6.385 GHz.

Header Information:

- Agilent Spectrum Analyzer - Swept SA
- RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:20:29 PM Aug 13, 2024
- Center Freq 6.385000000 GHz Avg Type: Log-Pwr
- PNO: Fast → Trig: Free Run
- IFGain:Low #Atten: 30 dB
- TRACE 1 2 3 4 5 6 TYPE W W W W W W W W W W DET P N N N N N

Main Display Parameters:

- Ref Offset 4.02 dB
- Ref 20.00 dBm
- Mkr1 3.210 ms
- 9.02 dBm
- 10 dB/div
- Log
- Span 0 Hz
- Center 6.385000000 GHz
- Res BW 8 MHz
- #VBW 8.0 MHz
- Sweep 100.0 ms (10001 pts)

Table Data:

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.210 ms	9.02 dBm			
2	N	1	t	3.340 ms	5.45 dBm			
3	N	1	t	8.740 ms	9.41 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

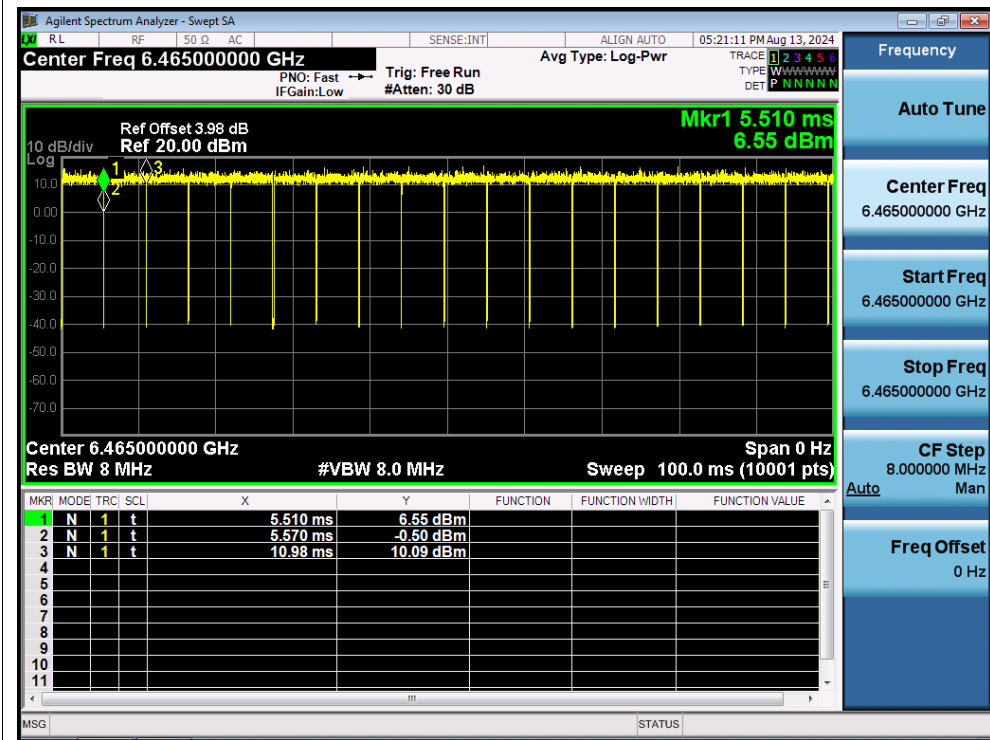
Right Panel Controls:

- Frequency
- Auto Tune
- Center Freq 6.385000000 GHz
- Start Freq 6.385000000 GHz
- Stop Freq 6.385000000 GHz
- CF Step 8.000000 MHz Man
- Freq Offset 0 Hz

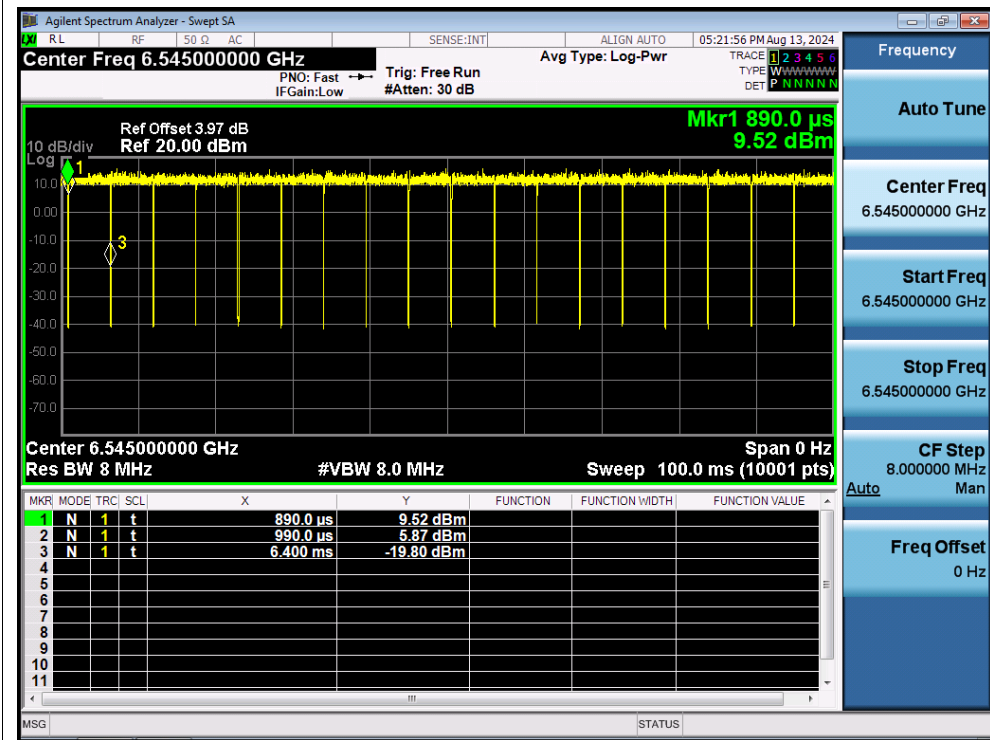
Status Bar:

- MSG STATUS

Duty Cycle NVNT ax80 6465MHz Ant2



Duty Cycle NVNT ax80 6545MHz Ant2



Duty Cycle NVNT ax80 6625MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:24:51 PM Aug 13, 2024

Center Freq 6.625000000 GHz Avg Type: Log-Pwr

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Ref Offset 4 dB
Ref 20.00 dBm

Mkr1 4.370 ms
-19.17 dBm

10 dB/div
Log

Center 6.625000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.370 ms	-19.17 dBm			
2	N	1	t	4.430 ms	5.29 dBm			
3	N	1	t	9.840 ms	9.56 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
6.625000000 GHz

Start Freq
6.625000000 GHz

Stop Freq
6.625000000 GHz

CF Step
8.000000 MHz

Man

Auto

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax80 6705MHz Ant2

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:26:44 PM Aug 13, 2024

Center Freq 6.705000000 GHz Avg Type: Log-Pwr

TRAC 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.12 dB
Ref 20.00 dBm

PN0: Fast $\rightarrow$ Trig: Free Run
IFGain:Low #Atten: 30 dB

10 dB/div
Log

Mkr1 3.430 ms
9.75 dBm

Center 6.705000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.430 ms	9.75 dBm			
2	N	1	t	3.500 ms	6.48 dBm			
3	N	1	t	8.900 ms	10.35 dBm			
4								
5								
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7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.705000000 GHz

Start Freq
6.705000000 GHz

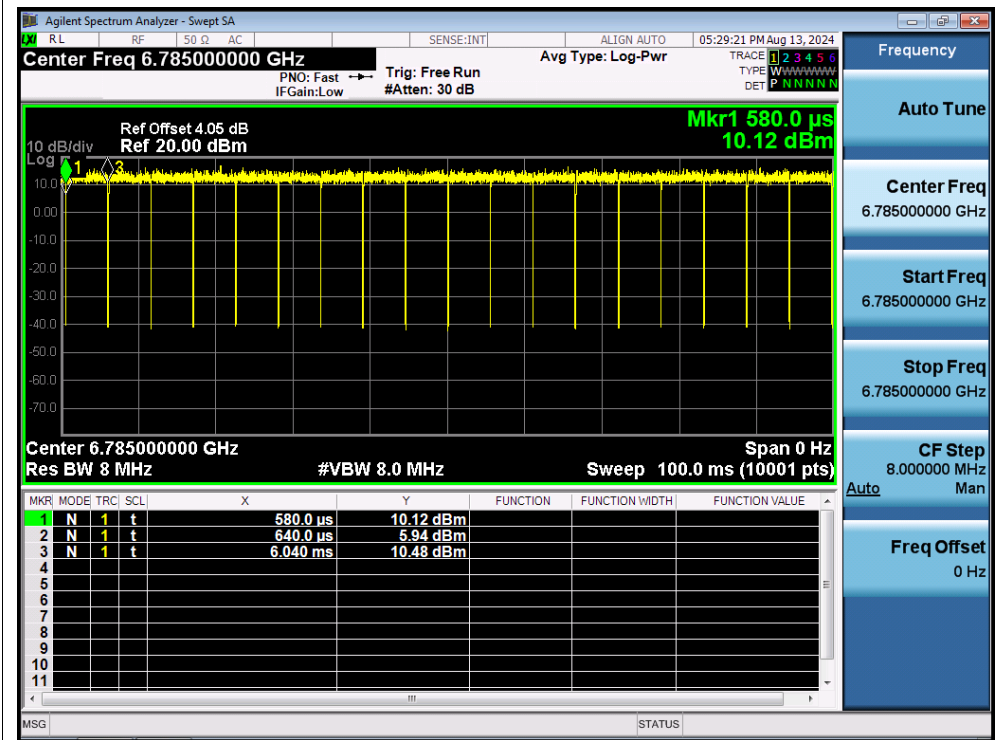
Stop Freq
6.705000000 GHz

CF Step
8.000000 MHz
Man

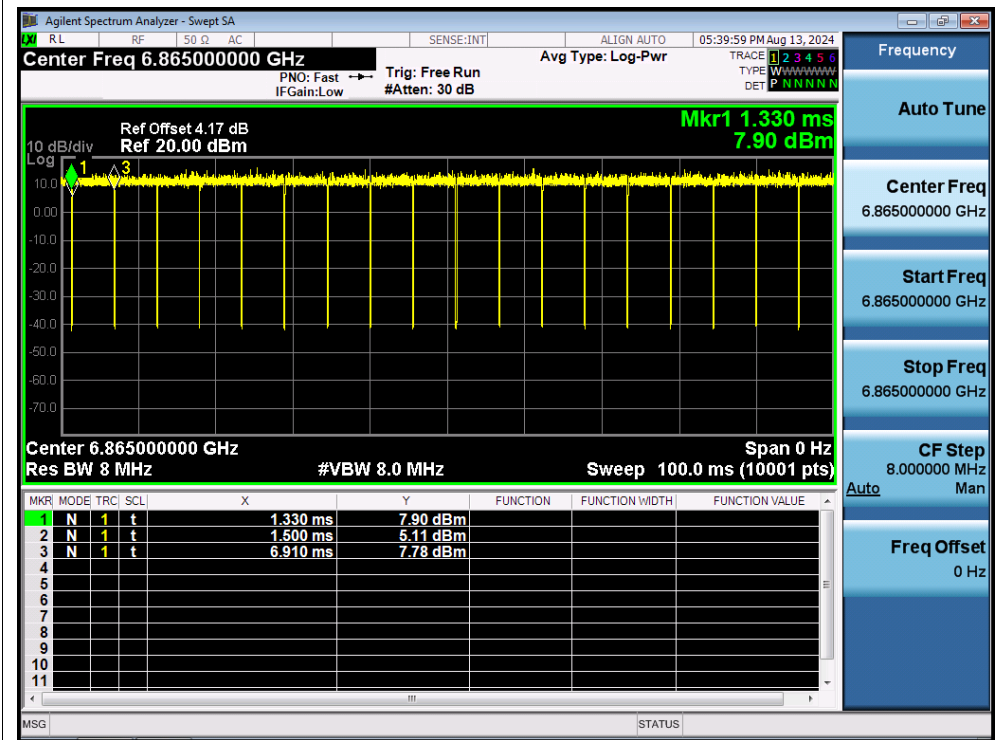
Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax80 6785MHz Ant2



Duty Cycle NVNT ax80 6865MHz Ant2



Agilent Spectrum Analyzer - Swept SA

Center Freq 6.945000000 GHz

Ref Offset 4.19 dB
Ref 20.00 dBm

Mkr1 2.830 ms
8.11 dBm

Center 6.945000000 GHz
Res BW 8 MHz
Span 0 Hz
Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.830 ms	8.11 dBm			
2	N	1	t	2.890 ms	4.50 dBm			
3	N	1	t	8.290 ms	10.56 dBm			

Duty Cycle NVNT ax80 7025MHz Ant2

Agilent Spectrum Analyzer - Sweep SA

Center Freq 7.025000000 GHz

Ref Offset 4.12 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 510.0 μ s
9.66 dBm

Center 7.025000000 GHz
Res BW 8 MHz

Span 0 Hz
Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	510.0 μ s	9.66 dBm			
2	N	1	t	510.0 μ s	4.82 dBm			
3	N	1	t	6.010 ms	8.76 dBm			

Duty Cycle NVNT ax80 5985MHz Ant3

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:53:02 PM Aug 13, 2024

Center Freq 5.985000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

Ref Offset 3.92 dB
Ref 20.00 dBm

Mkr1 4.980 ms 2.23 dBm

10 dB/div
Log

Center 5.985000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.980 ms	2.23 dBm			
2	N	1	t	5.040 ms	-0.84 dBm			
3	N	1	t	10.45 ms	0.09 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
5.985000000 GHz

Start Freq
5.985000000 GHz

Stop Freq
5.985000000 GHz

CF Step
8.000000 MHz

Man

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Sweep SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:53:33 PM Aug 13, 2024

Center Freq 6.145000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 3.92 dB
Ref 20.00 dBm

Mkr1 4.270 ms
6.78 dBm

10 dB/div
Log

Center 6.145000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.270 ms	6.78 dBm			
2	N	1	t	4.350 ms	3.36 dBm			
3	N	1	t	9.750 ms	6.63 dBm			
4								
5								
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9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 6.145000000 GHz

Start Freq 6.145000000 GHz

Stop Freq 6.145000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

[illegible]

Duty Cycle NVNT ax80 6465MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:54:58 PM Aug 13, 2024

Center Freq 6.465000000 GHz Avg Type: Log-Pwr

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N N

Ref Offset 3.97 dB
Ref 20.00 dBm

Mkr1 3.760 ms
10.62 dBm

10 dB/div
Log

Center 6.465000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.760 ms	10.62 dBm			
2	N	1	t	3.850 ms	6.18 dBm			
3	N	1	t	9.250 ms	10.64 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
6.465000000 GHz

Start Freq
6.465000000 GHz

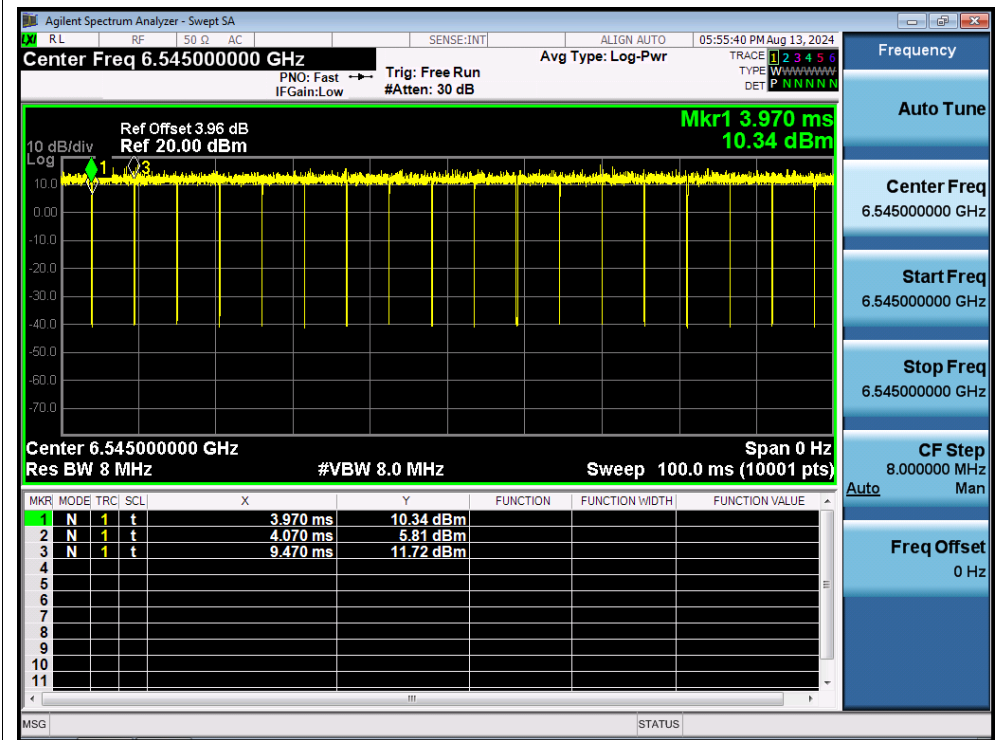
Stop Freq
6.465000000 GHz

CF Step
8.000000 MHz
Man

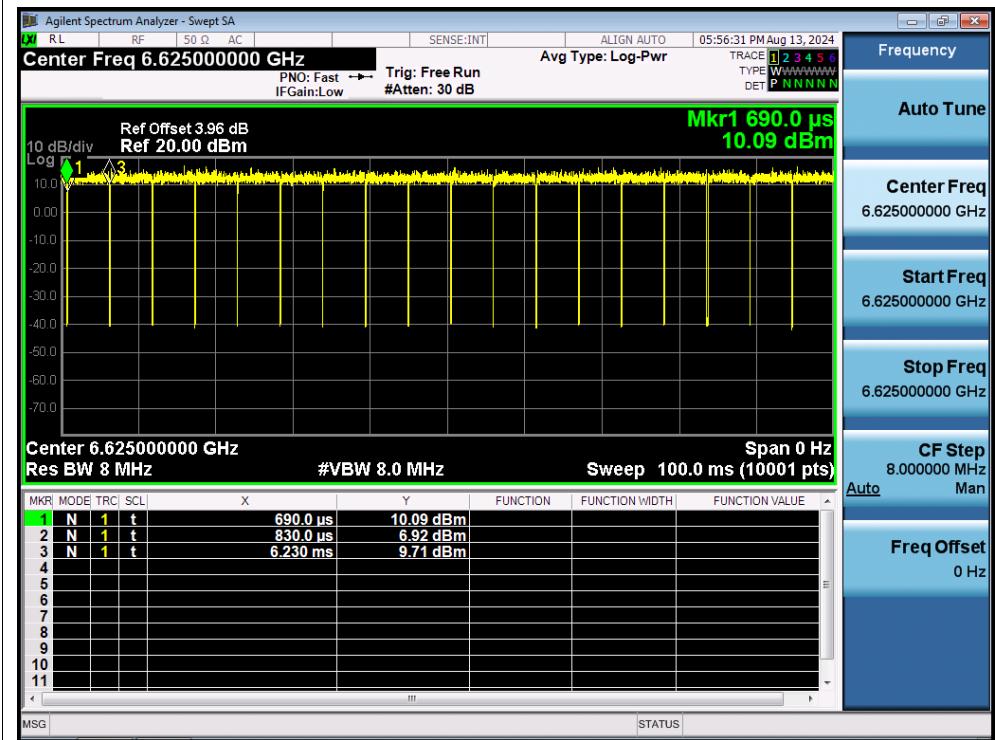
Auto

Freq Offset
0 Hz

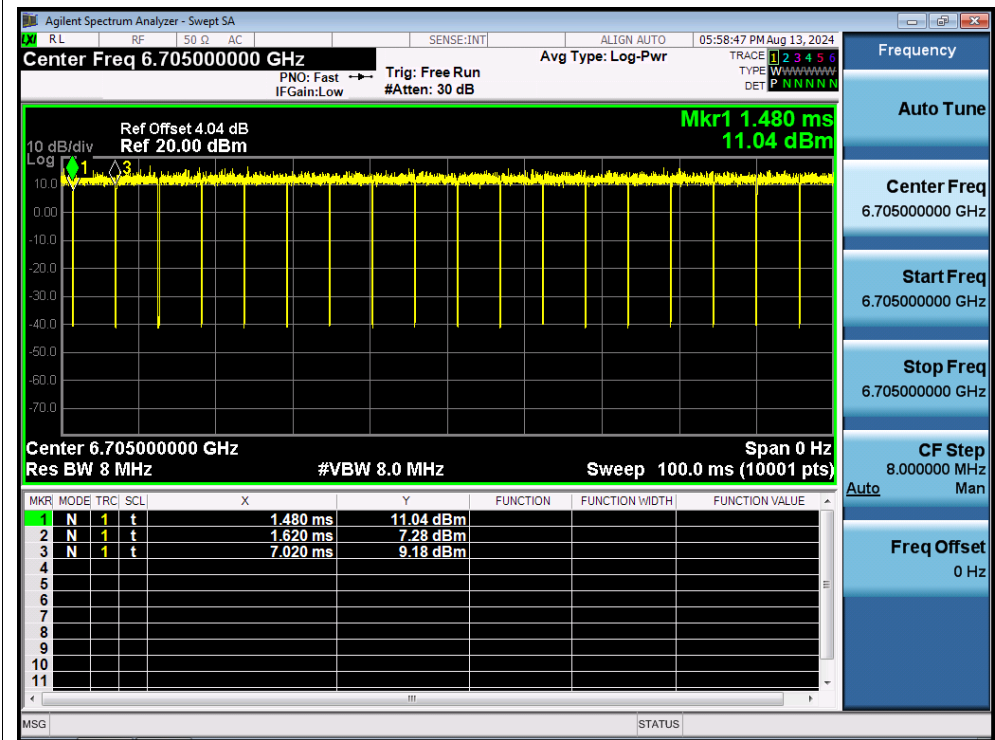
Duty Cycle NVNT ax80 6545MHz Ant3



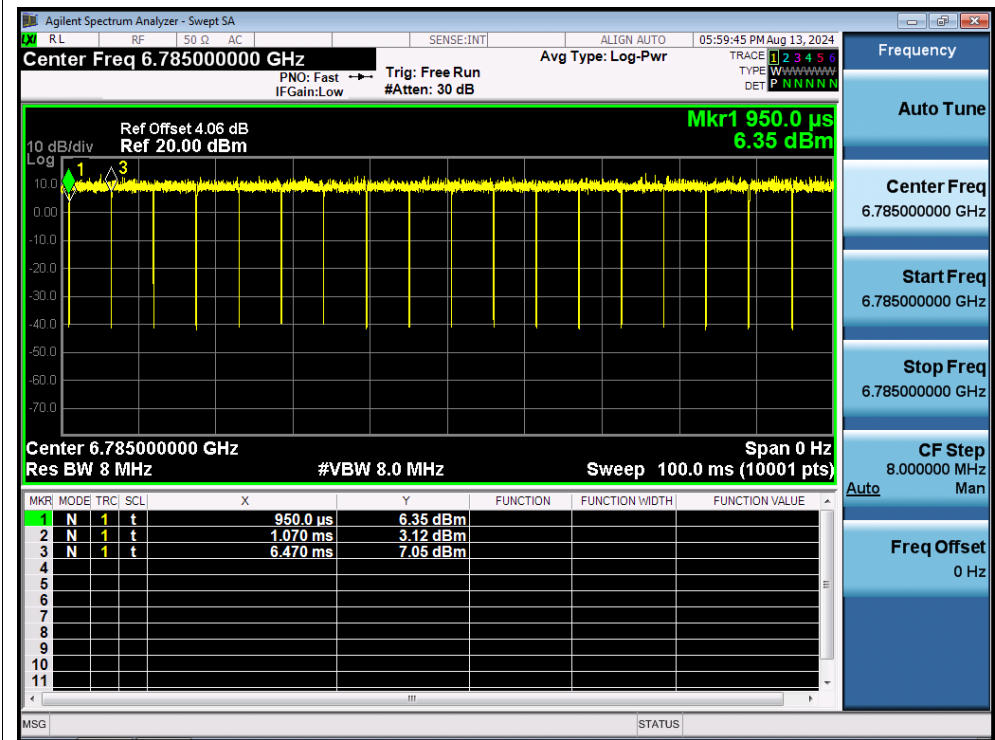
Duty Cycle NVNT ax80 6625MHz Ant3



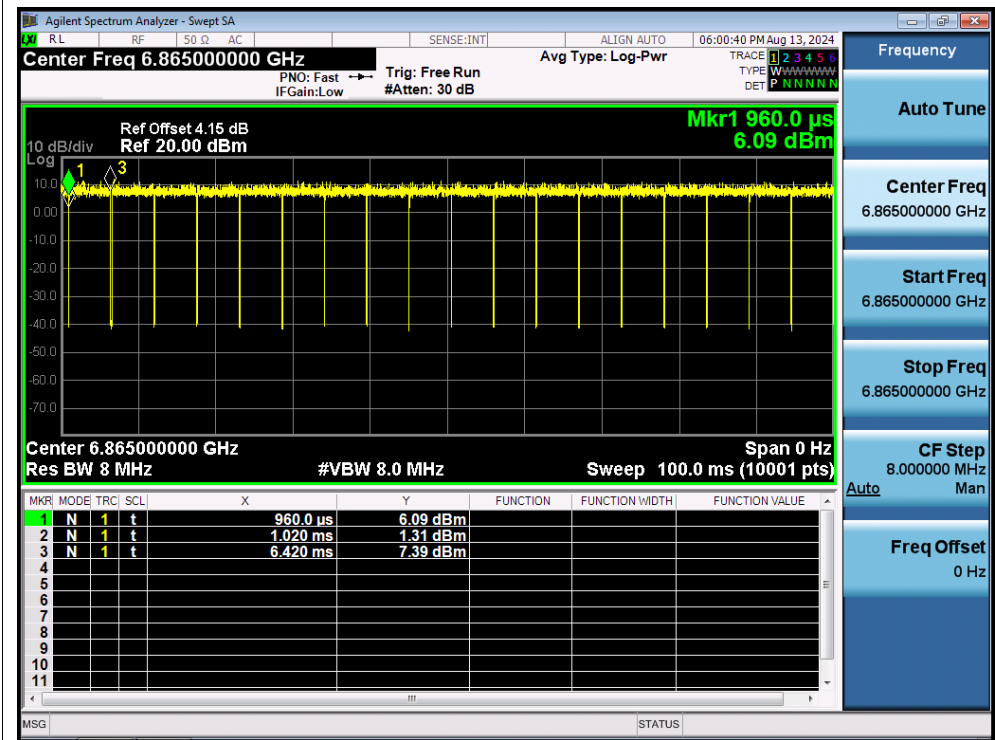
Duty Cycle NVNT ax80 6705MHz Ant3



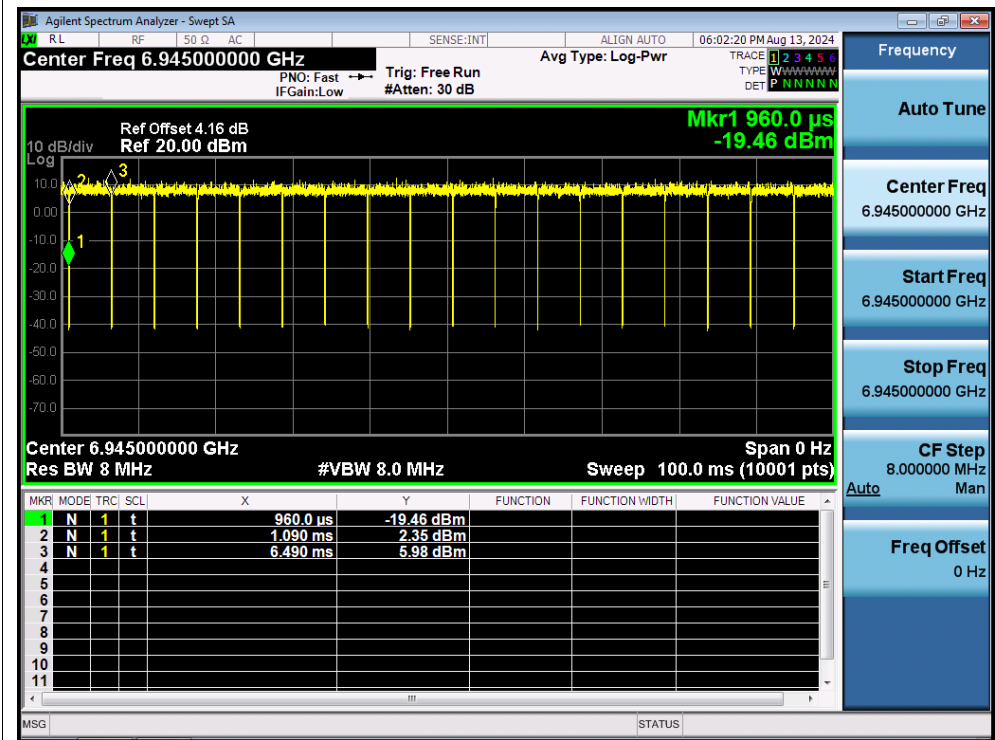
Duty Cycle NVNT ax80 6785MHz Ant3



Duty Cycle NVNT ax80 6865MHz Ant3



Duty Cycle NVNT ax80 6945MHz Ant3



Duty Cycle NVNT ax80 7025MHz Ant3

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:03:10 PM Aug 13, 2024

Center Freq 7.025000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.11 dB
Ref 20.00 dBm

**Mkr1 2.360 ms
-24.69 dBm**

10 dB/div
Log

Center 7.025000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.360 ms	-24.69 dBm			
2	N	1	t	2.440 ms	4.89 dBm			
3	N	1	t	7.840 ms	8.55 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
7.025000000 GHz

Start Freq
7.025000000 GHz

Stop Freq
7.025000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax80 5985MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:05:32 PM Aug 13, 2024

Center Freq 5.985000000 GHz Avg Type: Log-Pwr

TRAC 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N

Ref Offset 4.02 dB
Ref 20.00 dBm

PN0: Fast → Trig: Free Run
IFGain:Low #Atten: 30 dB

Mkr1 2.400 ms
2.79 dBm

10 dB/div
Log

Center 5.985000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.400 ms	2.79 dBm			
2	N	1	t	2.510 ms	-2.05 dBm			
3	N	1	t	7.910 ms	1.43 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
5.985000000 GHz

Start Freq
5.985000000 GHz

Stop Freq
5.985000000 GHz

CF Step
8.000000 MHz
Man

Auto

Freq Offset
0 Hz

Duty Cycle NVNT ax80 6145MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:06:20 PM Aug 13, 2024

Center Freq 6.145000000 GHz Avg Type: Log-Pwr

PNO: Fast → Trig: Free Run
IF Gain: Low #Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE W W W W W W W
DET P N N N N N

Ref Offset 4.07 dB
Ref 20.00 dBm

Mkr1 540.0 μs
10.57 dBm

10 dB/div
Log

Center 6.145000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	540.0 μs	10.57 dBm			
2	N	1	t	700.0 μs	5.26 dBm			
3	N	1	t	6.110 ms	5.37 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
6.145000000 GHz

Start Freq
6.145000000 GHz

Stop Freq
6.145000000 GHz

CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Duty Cycle NVNT ax80 6385MHz Ant4

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 06:07:57 PM Aug 13, 2024

Center Freq 6.385000000 GHz Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N N

Ref Offset 4.27 dB
Ref 20.00 dBm

Mkr1 4.800 ms
8.74 dBm

10 dB/div
Log

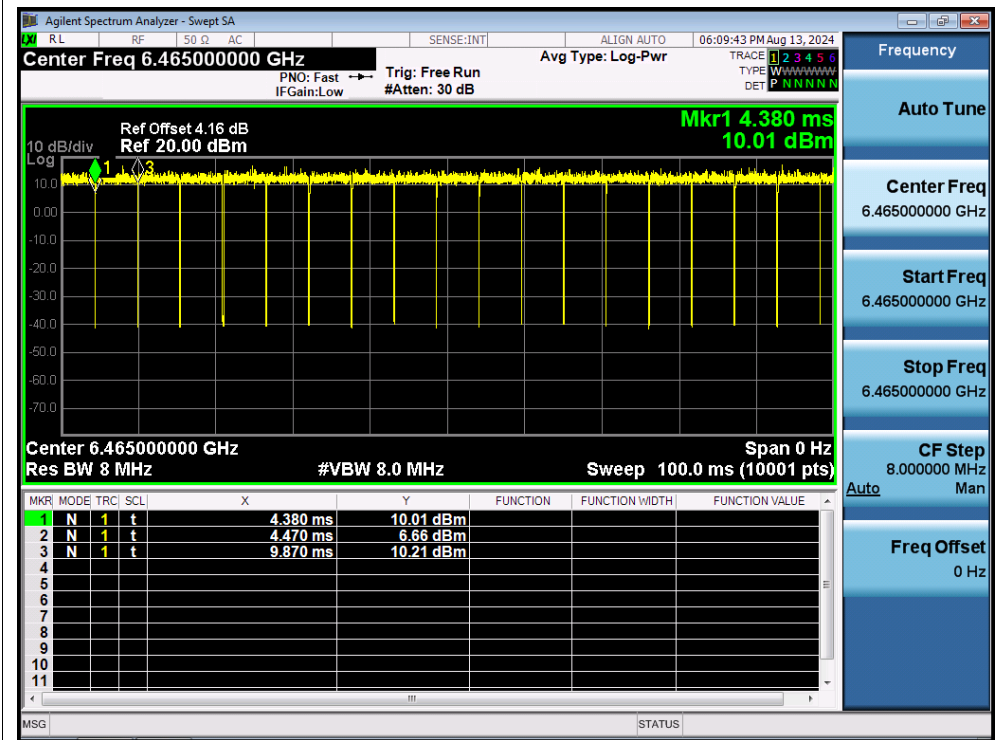
Center 6.385000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.0 ms (10001 pts)

Mkr	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.800 ms	8.74 dBm			
2	N	1	t	4.970 ms	5.40 dBm			
3	N	1	t	10.38 ms	9.41 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency
Auto Tune
Center Freq 6.385000000 GHz
Start Freq 6.385000000 GHz
Stop Freq 6.385000000 GHz
CF Step 8.000000 MHz
Man
Auto
Freq Offset 0 Hz

Duty Cycle NVNT ax80 6465MHz Ant4



Duty Cycle NVNT ax80 6545MHz Ant4

