

**Appendix D. On Time, Duty Cycle and Measurement methods****ANT 1**

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a	2.08	2.10	99.05%
802.11ax HE20	1.49	1.52	98.42%
802.11ax HE40	0.78	0.80	96.71%
802.11ax HE80	0.40	0.43	93.95%

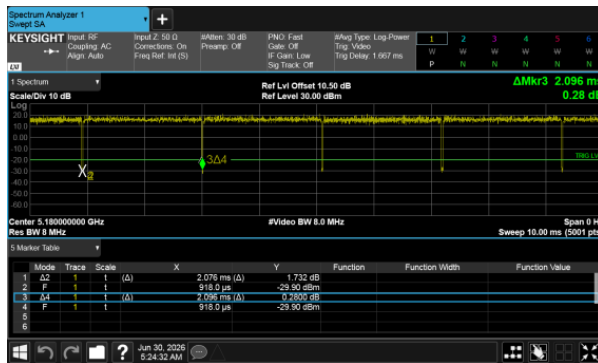
ANT 2

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a	2.08	2.10	98.95%
802.11ax HE20	1.49	1.52	98.35%
802.11ax HE40	0.78	0.80	96.81%
802.11ax HE80	0.40	0.43	93.55%

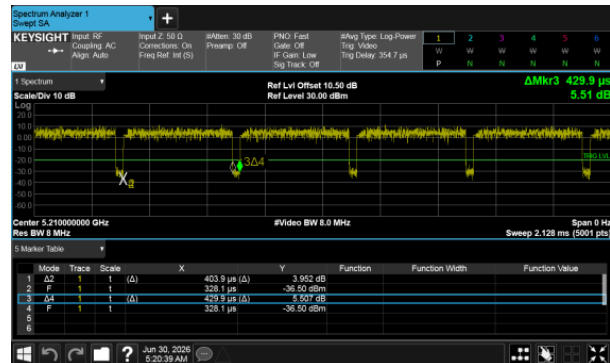


ANT 1

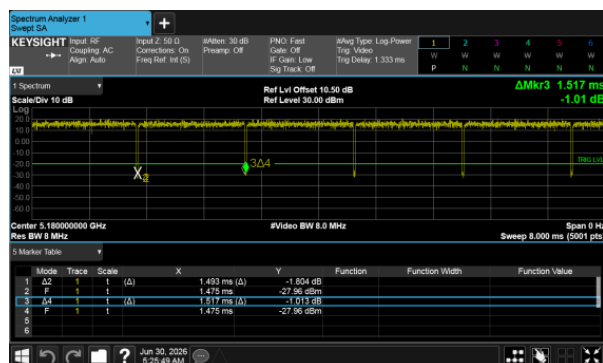
Modulation Type: 802.11a



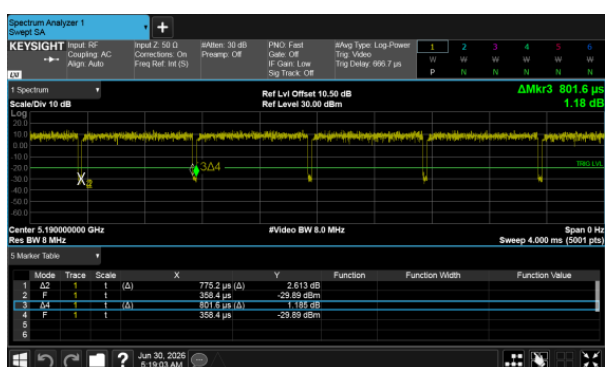
Modulation Type: 802.11ax HE80



Modulation Type: 802.11ax HE20



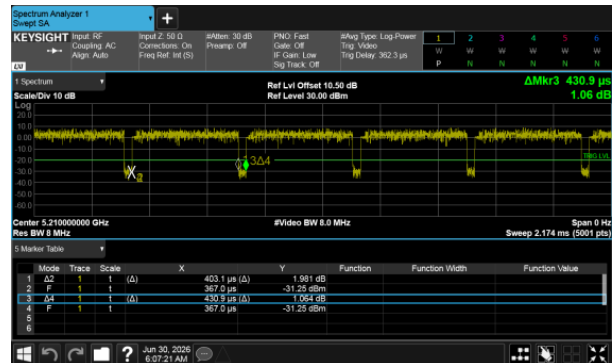
Modulation Type: 802.11ax HE40





ANT 2

Modulation Type: 802.11ax HE80



Keysight Spectrum Analyzer 1
Input 1
 Input 2: 50 dB
 Correlation: On
 Freq Ref: Int (S)
 IF BW: 30 dB
 Preamp: Off
 PNO Fast: On
 Gate: Off
 IF Gain: Low
 Sync Trig: Off
 Avg Type: Log Power
 Trig Mode: Video
 Trip Delay: 944.4 μ s

Measurement 1
 1 2 3 4 5 6
 W W W W W W
 P W W W W W

Spectrum
 Scale: 10 dB
 Log
 Ref Lvl: 10.50 dB
 Ref Level: 30.00 dBm
 Δ Mr3: 1.516 m
 4.04 dB

Center: 5,180,000,000 Hz
Res BW 8 MHz
Video BW 8.0 MHz
 Span 0 Hz
 Sweep 5.687 ms (5001 pts)

Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	A2	1	(A)	1,450 m (A)	3,248 dB		
2	P	1	(A)	283.3 m	-31.20 dBm		
3	A4	1	(A)	1,818 m (A)	-40.06 dBm		
4	F	1	(A)	283.3 m	-31.20 dBm		

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 6:04:05 AM

Spectrum Analyzer 1
Sweet SA

KEYLIGHT Input: RF Coexisting AC Auto Range Input Z: 50 Ω Corrections: On Preq: Flat 30 dB Preamp: Off Pk's Fast Gate: Off IF Out: Low Sig Lock: Off

dBm Type: Log Power View: Video

1	2	3	4	5	6
W	W	W	W	W	W
P	N	N	N	N	N

1 Spectrum
Scale: Div 10 dB
Center: 5.190000000 GHz
BW: 8 MHz
Sweep: 4.000 ms (5001 pts)

Ref Lvl Offset: 10.50 dB
Ref Level: 30.00 dBm

AMkr3 801.6 μs
-0.92 dB

X2

S24

#Video BW: 8.0 MHz

Mode	Type	Scale	X	Y	Function	Function Width	Function Value
Δ2	1	1	(Δ)	776.0 μs (Δ)	1.014 dB		
Δ3	1	1	(Δ)	248.8 μs	-30.23 dBm		
Δ4	1	1	(Δ)	801.6 μs (Δ)	-0.9001 dB		
Δ5	1	1	(Δ)	248.8 μs	-30.23 dBm		