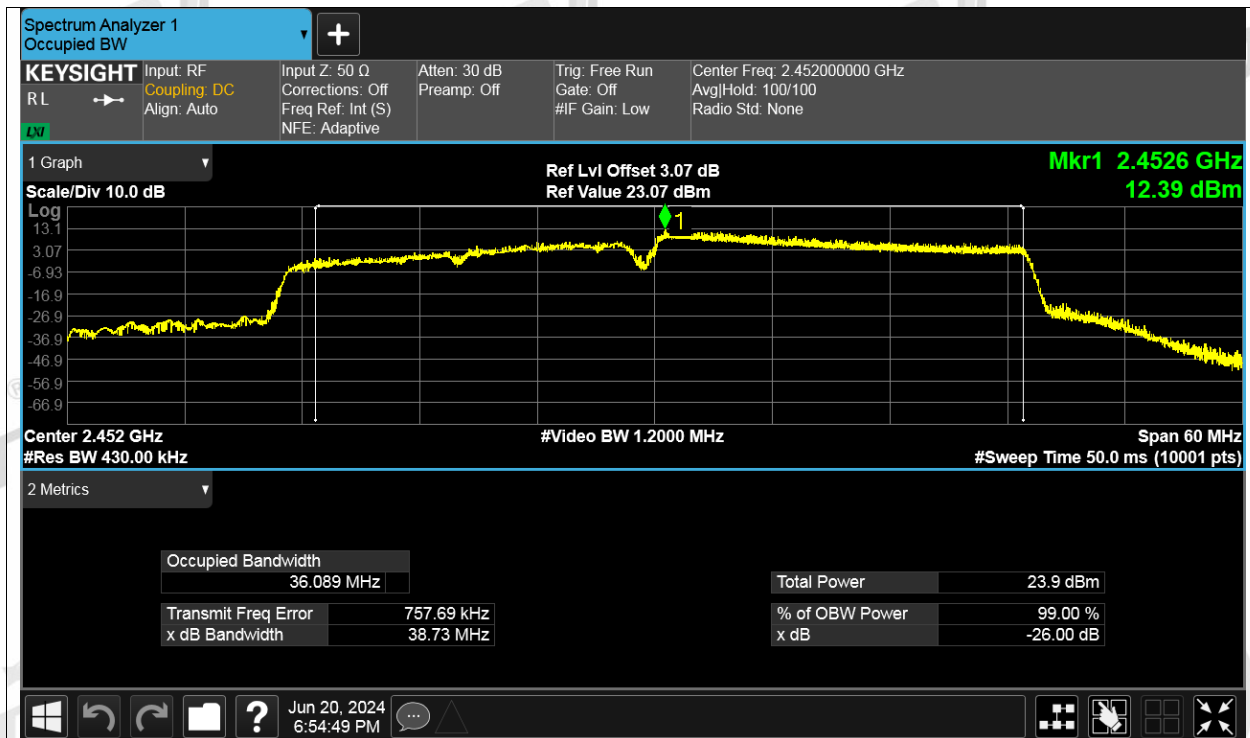
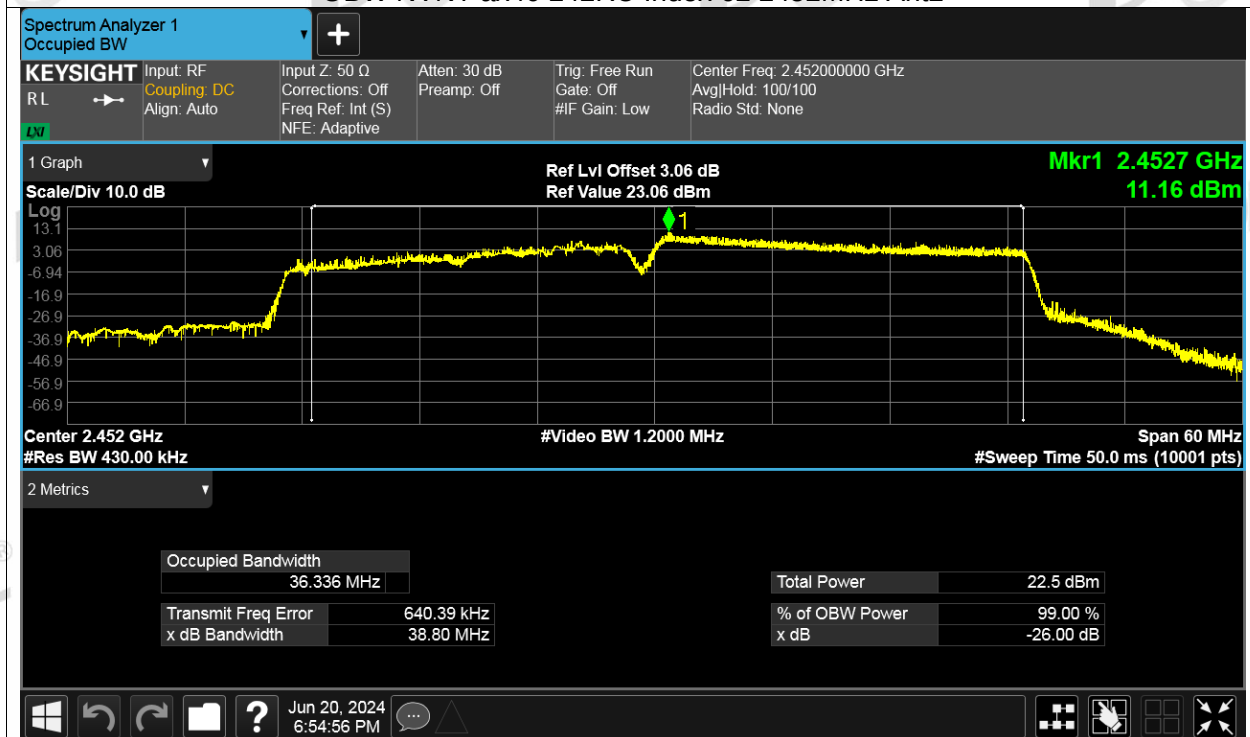
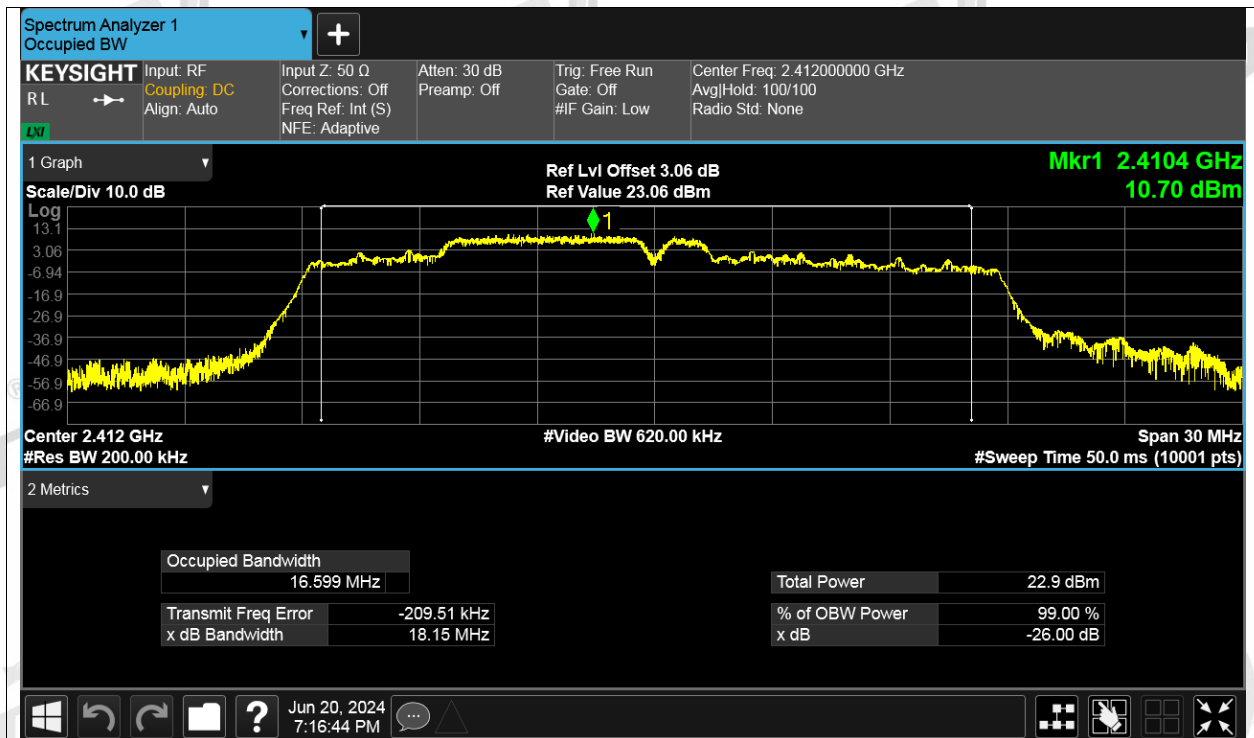




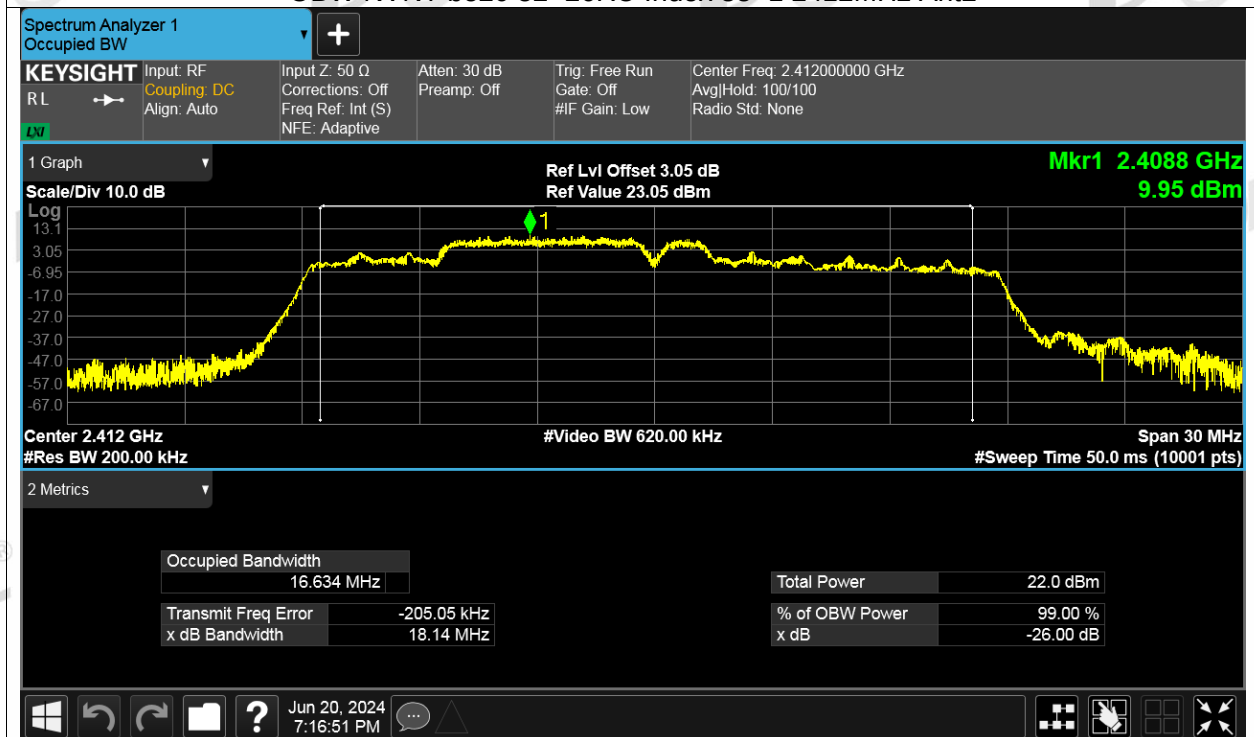
OBW NVNT ax40 242RU Index 62 2452MHz Ant2



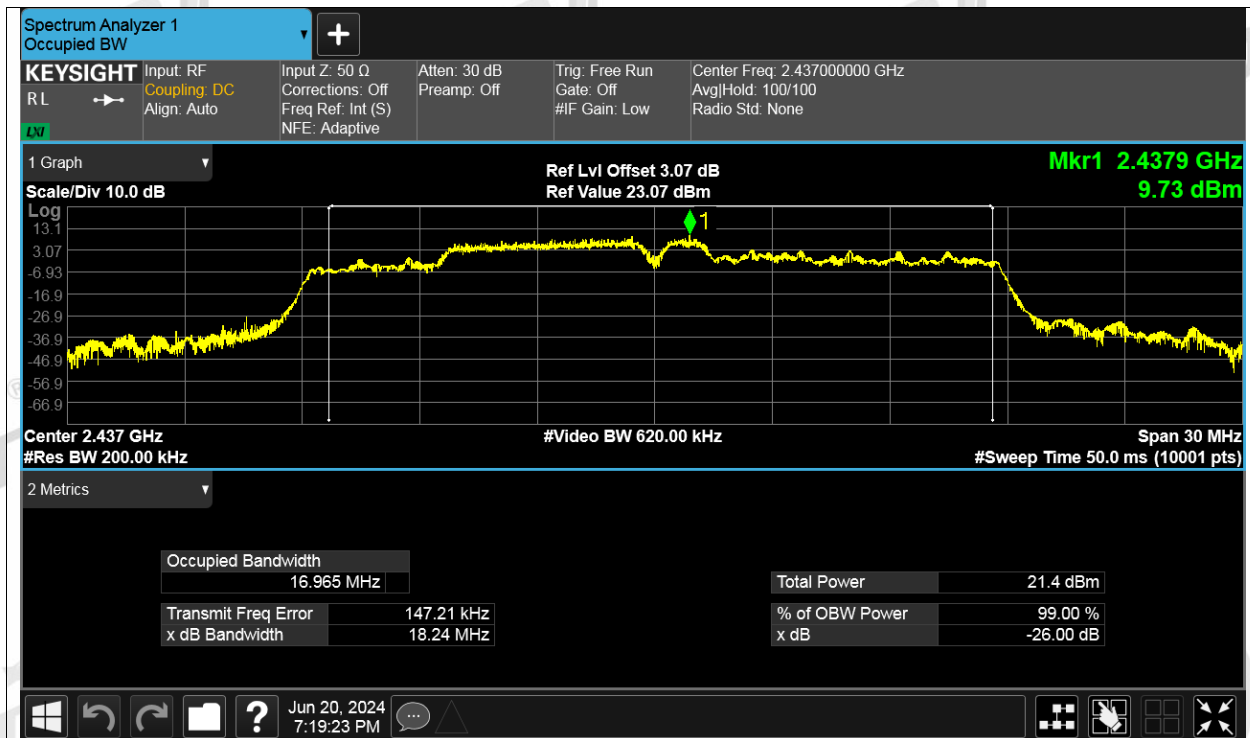
OBW NVNT be20 52+26RU Index 38+1 2412MHz Ant1



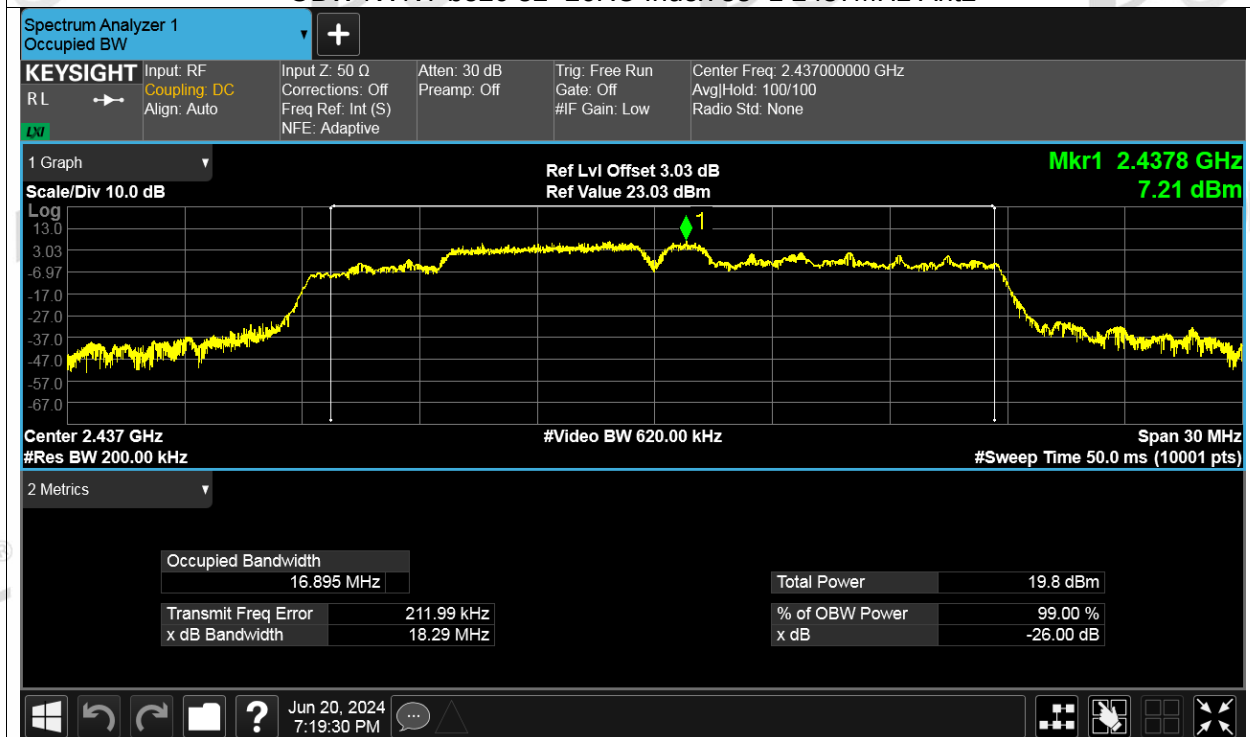
OBW NVNT be20 52+26RU Index 38+1 2412MHz Ant2



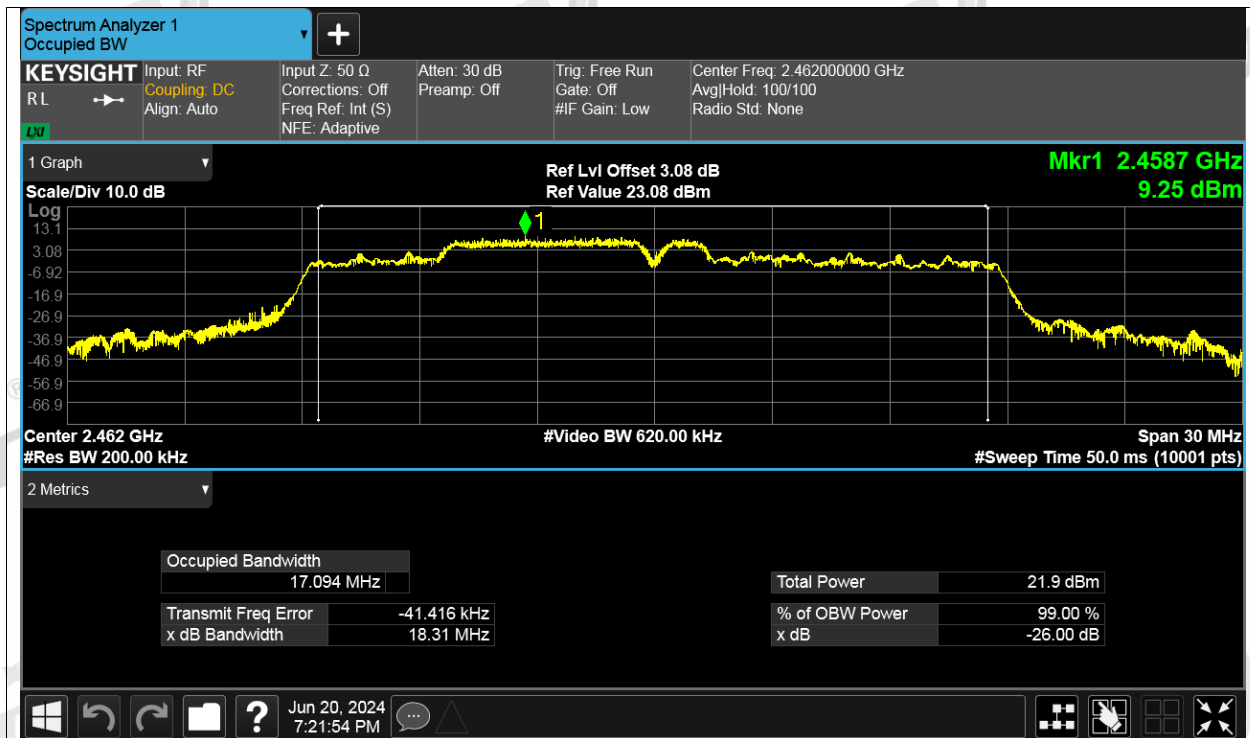
OBW NVNT be20 52+26RU Index 38+1 2437MHz Ant1



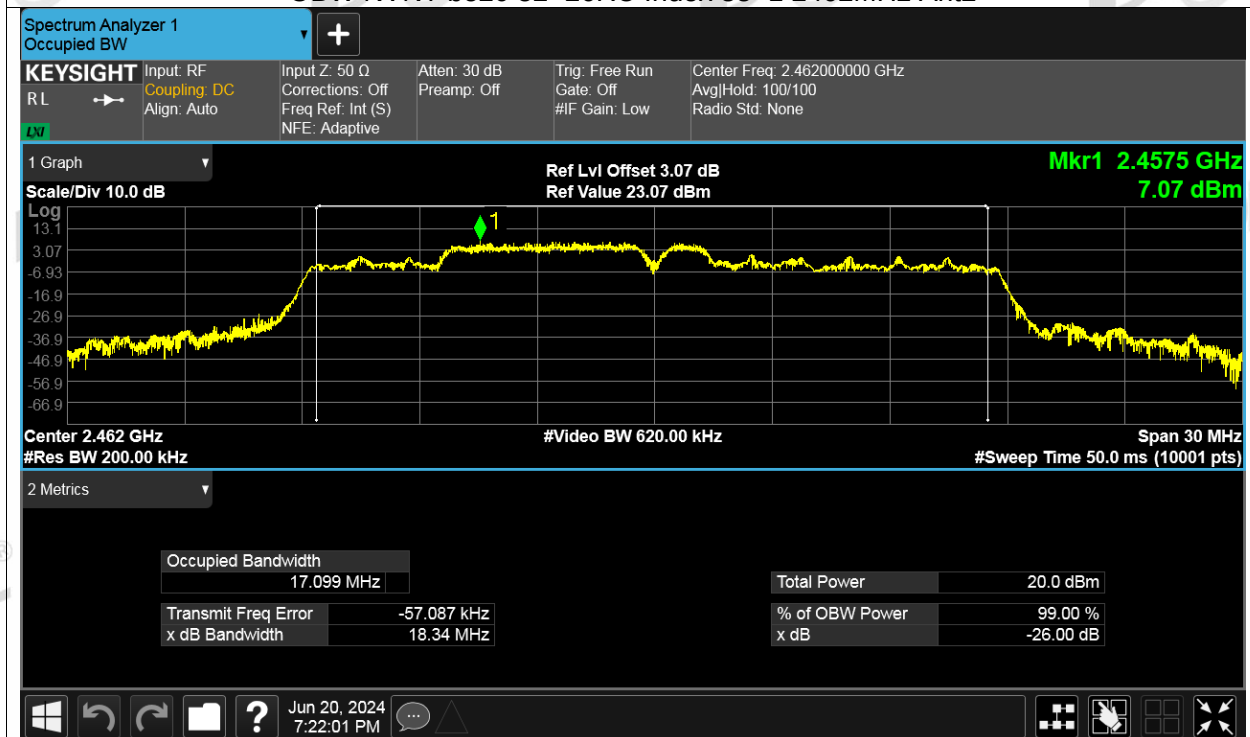
OBW NVNT be20 52+26RU Index 38+1 2437MHz Ant2



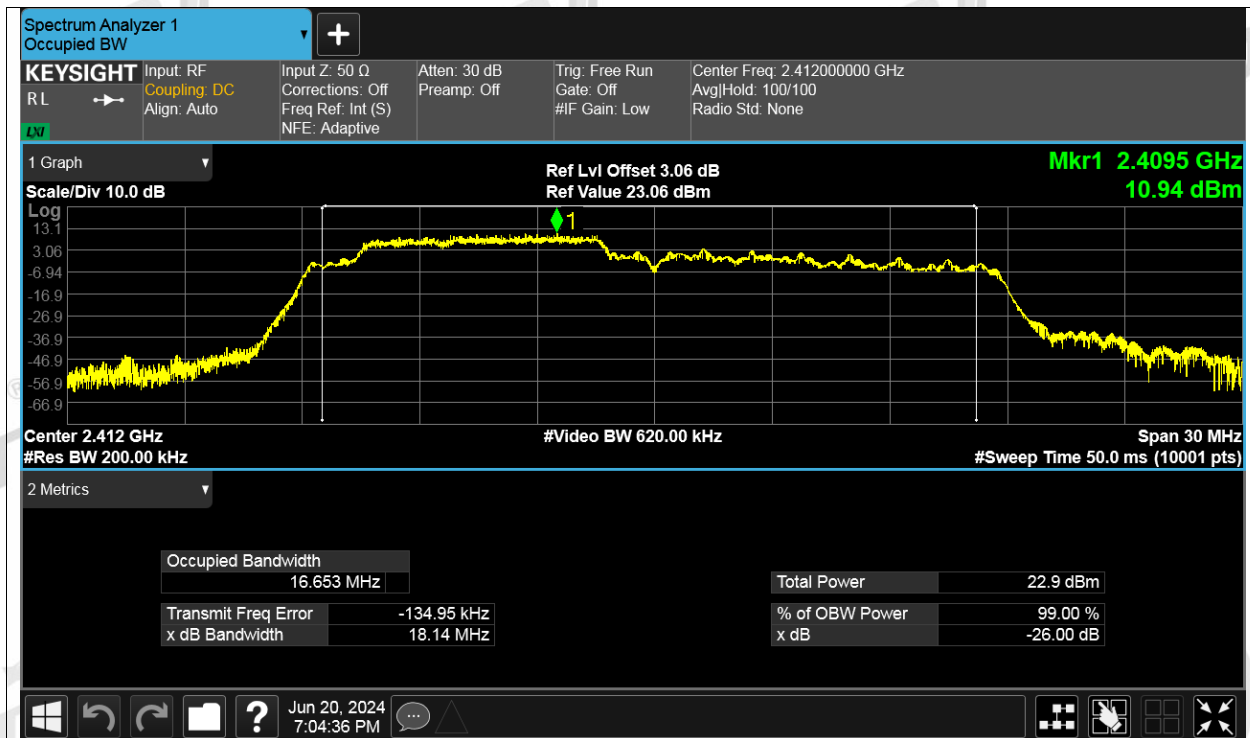
OBW NVNT be20 52+26RU Index 38+1 2462MHz Ant1



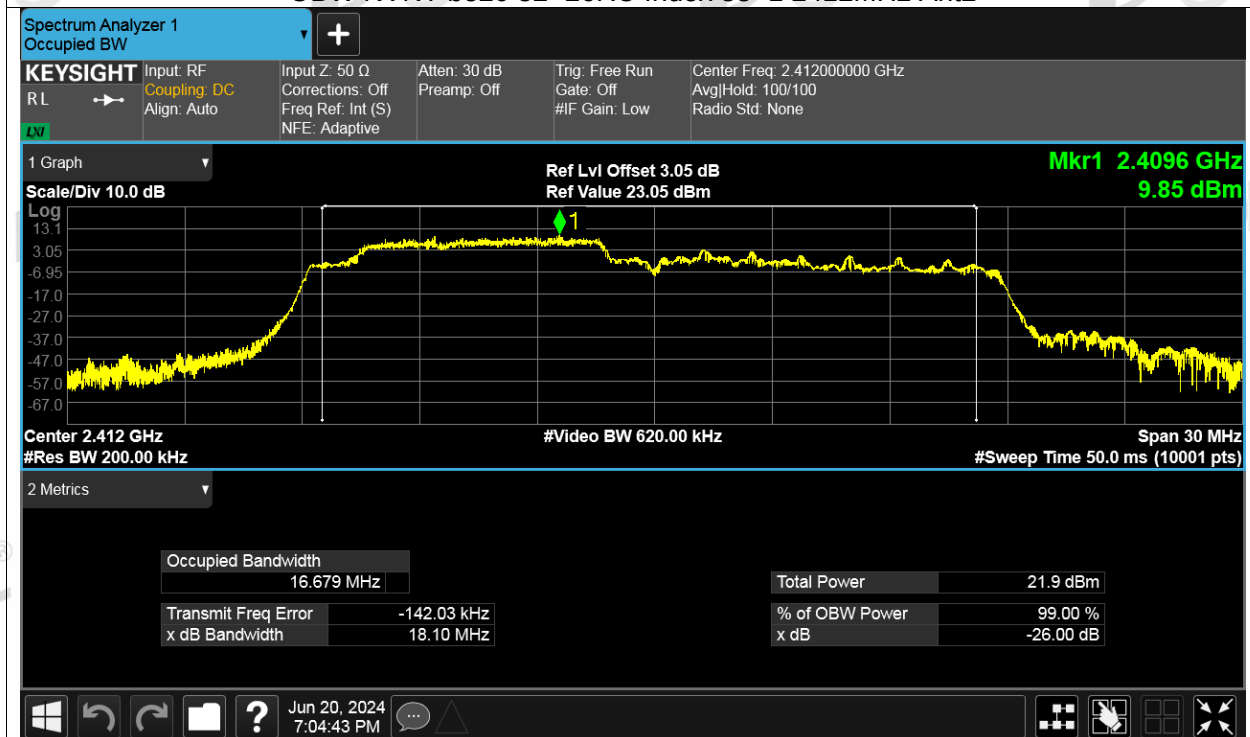
OBW NVNT be20 52+26RU Index 38+1 2462MHz Ant2



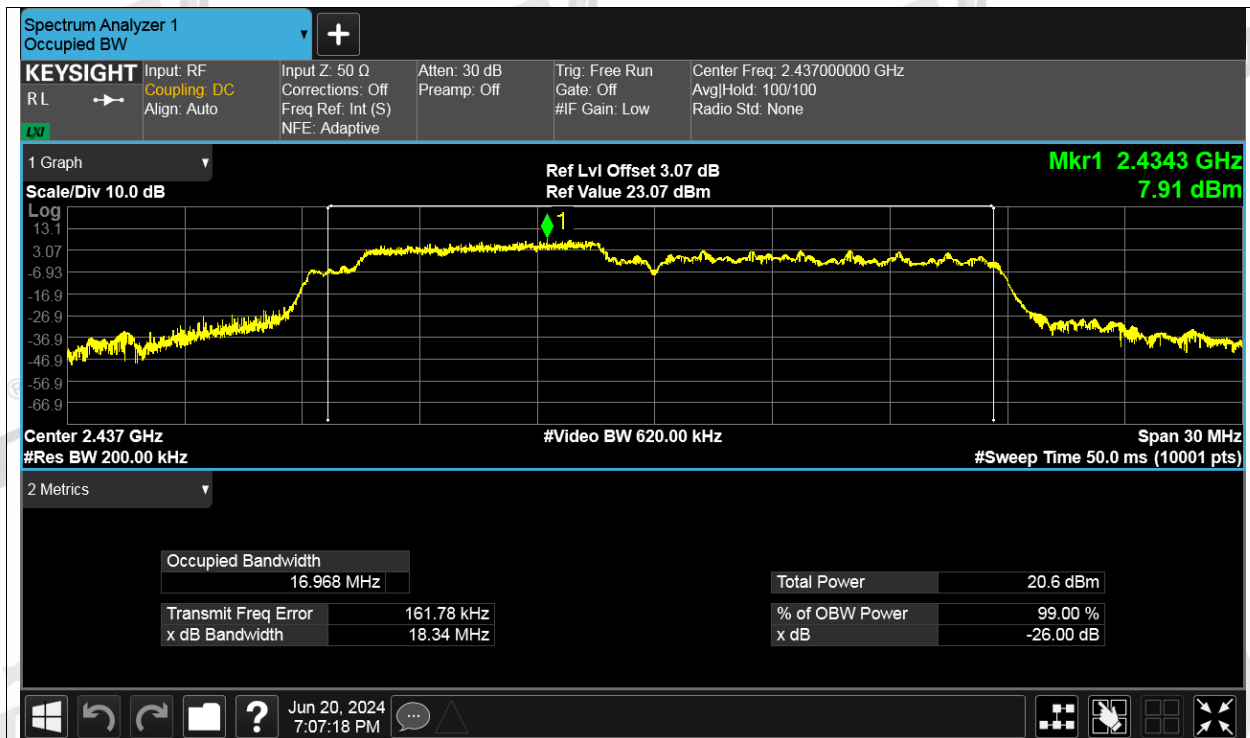
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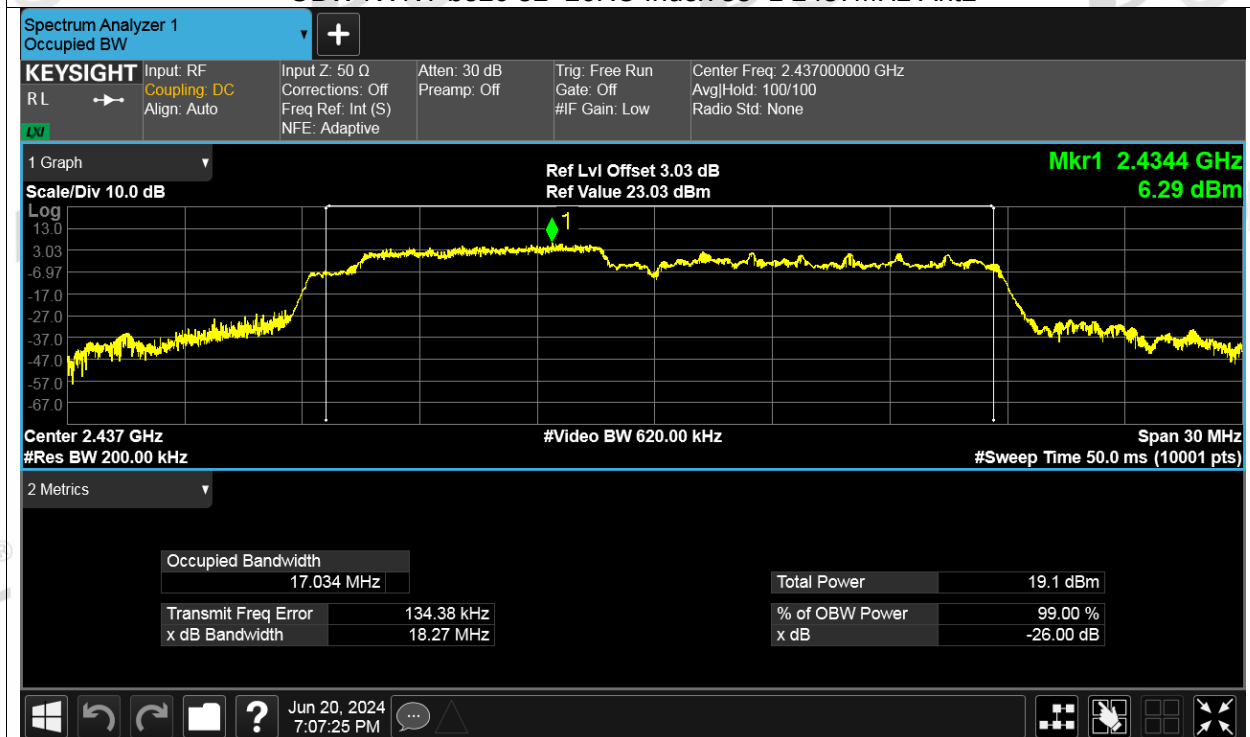
OBW NVNT be20 52+26RU Index 38+1 2412MHz Ant2



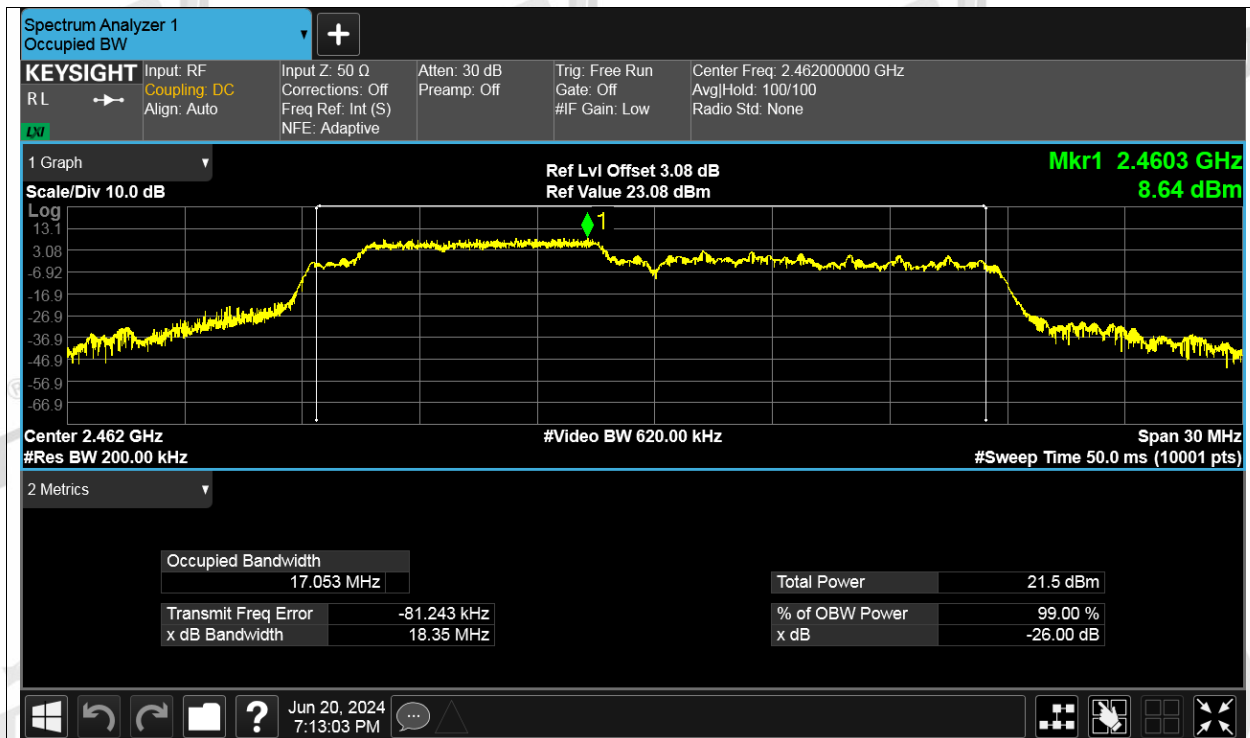
OBW NVNT be20 52+26RU Index 38+1 2437MHz Ant1



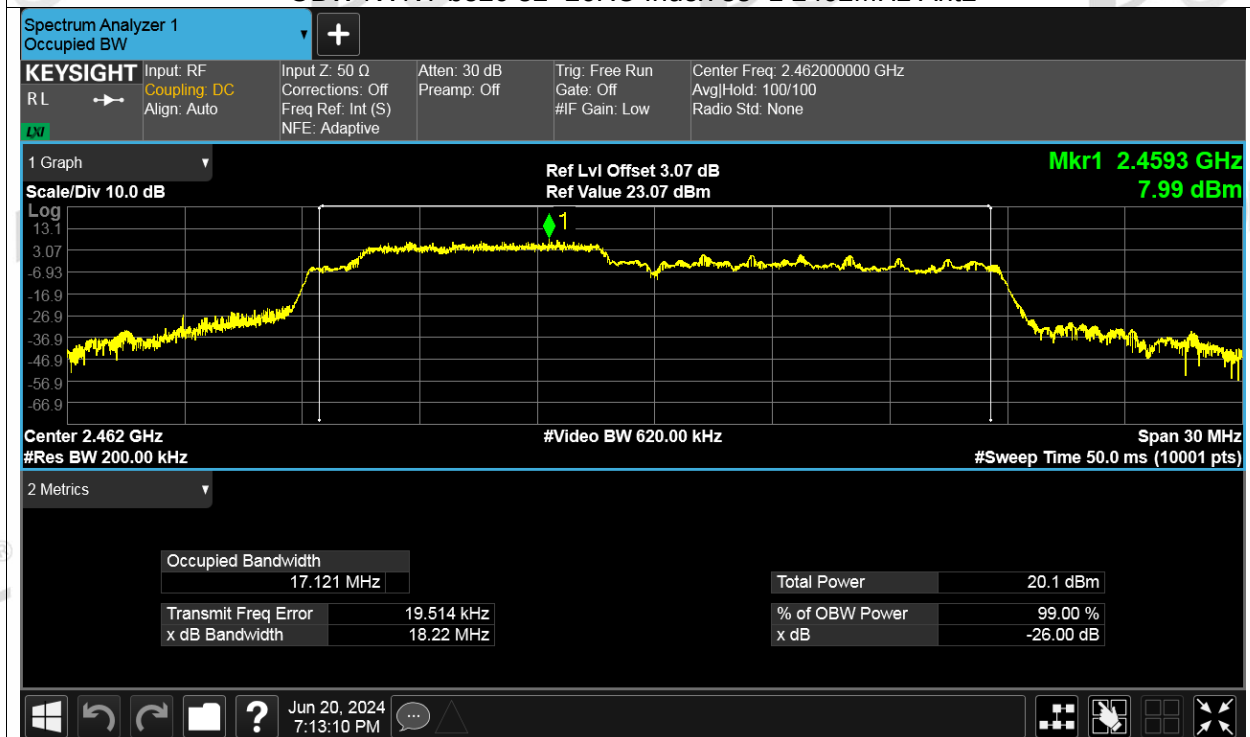
OBW NVNT be20 52+26RU Index 38+1 2437MHz Ant2



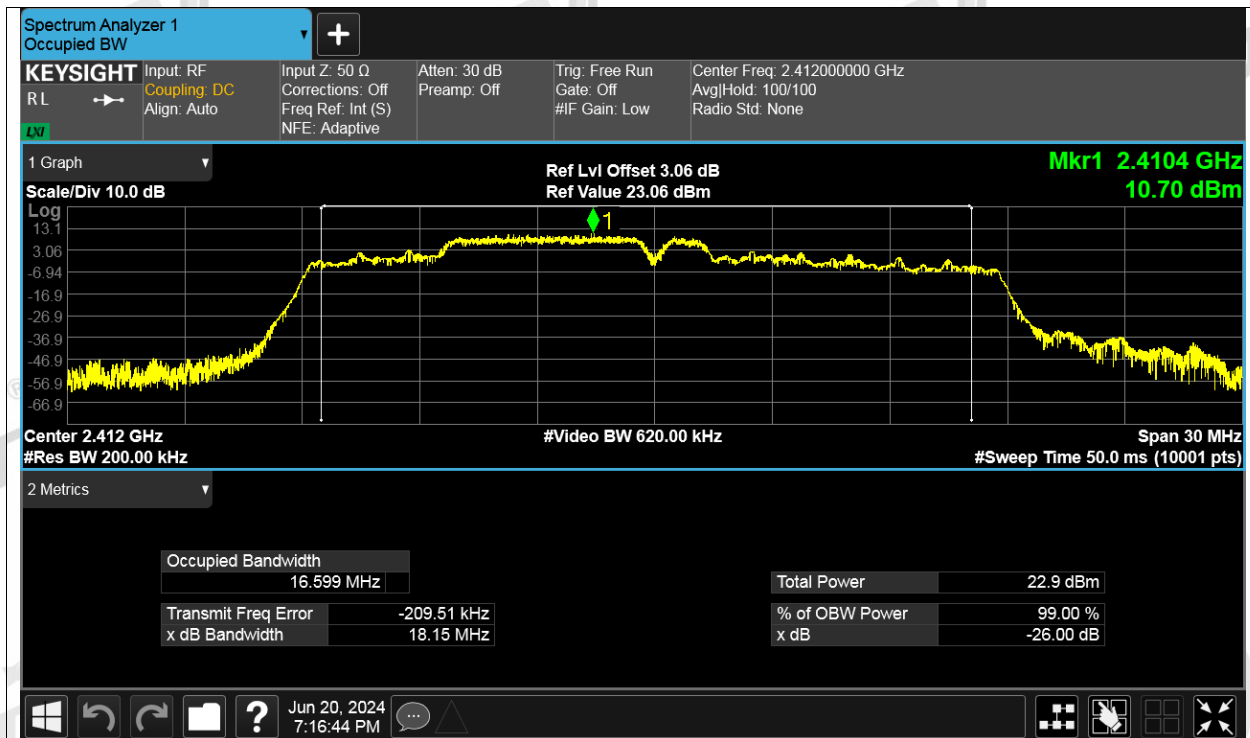
OBW NVNT be20 52+26RU Index 38+1 2462MHz Ant1



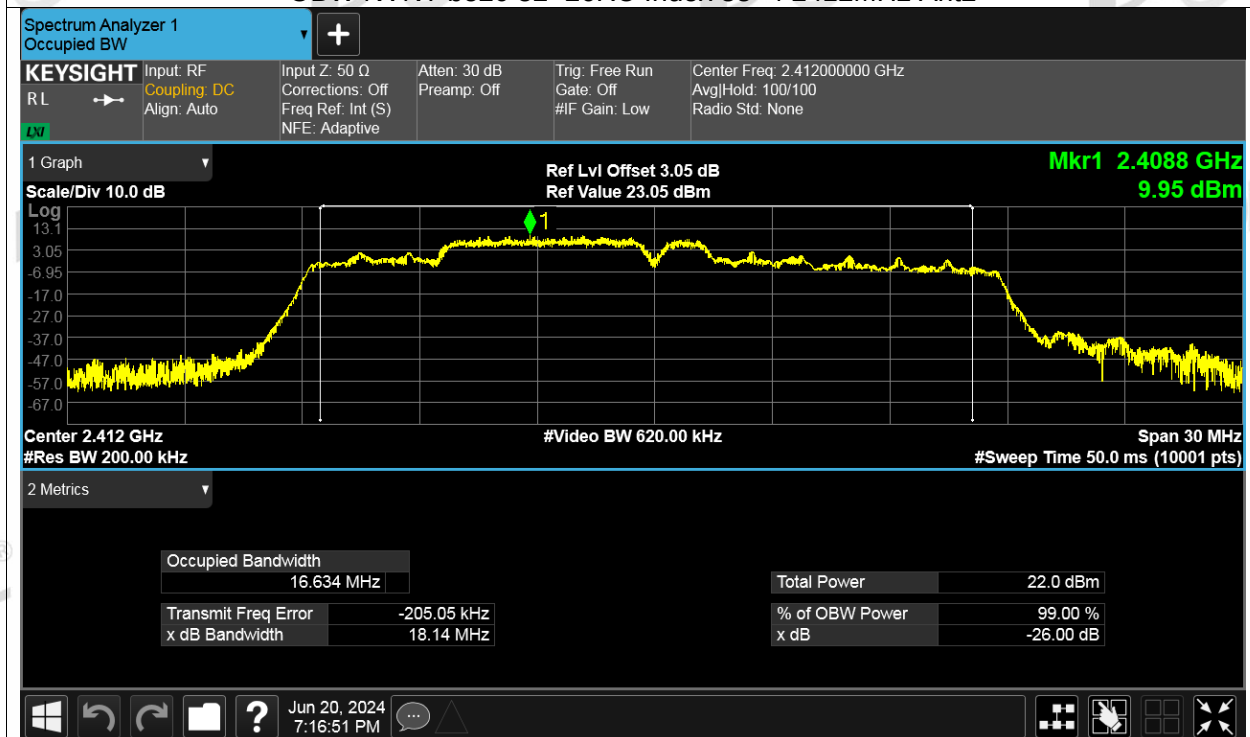
OBW NVNT be20 52+26RU Index 38+1 2462MHz Ant2



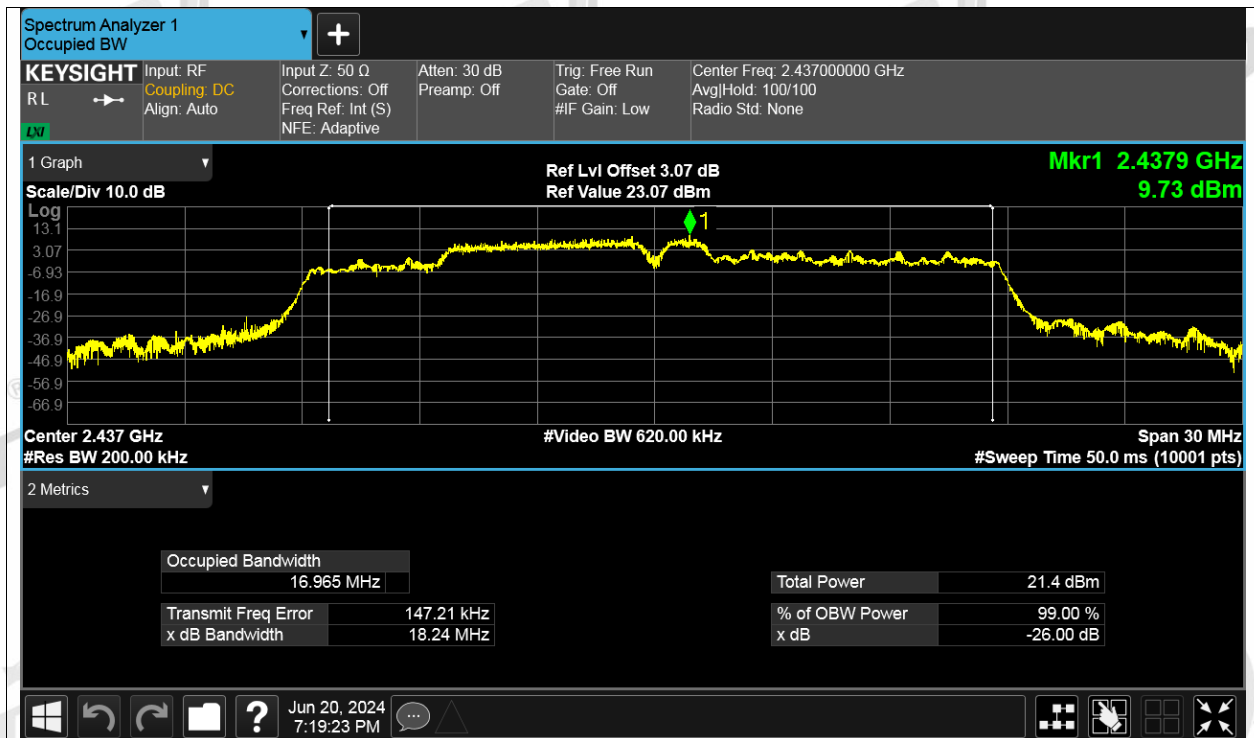
OBW NVNT be20 52+26RU Index 38+4 2412MHz Ant1



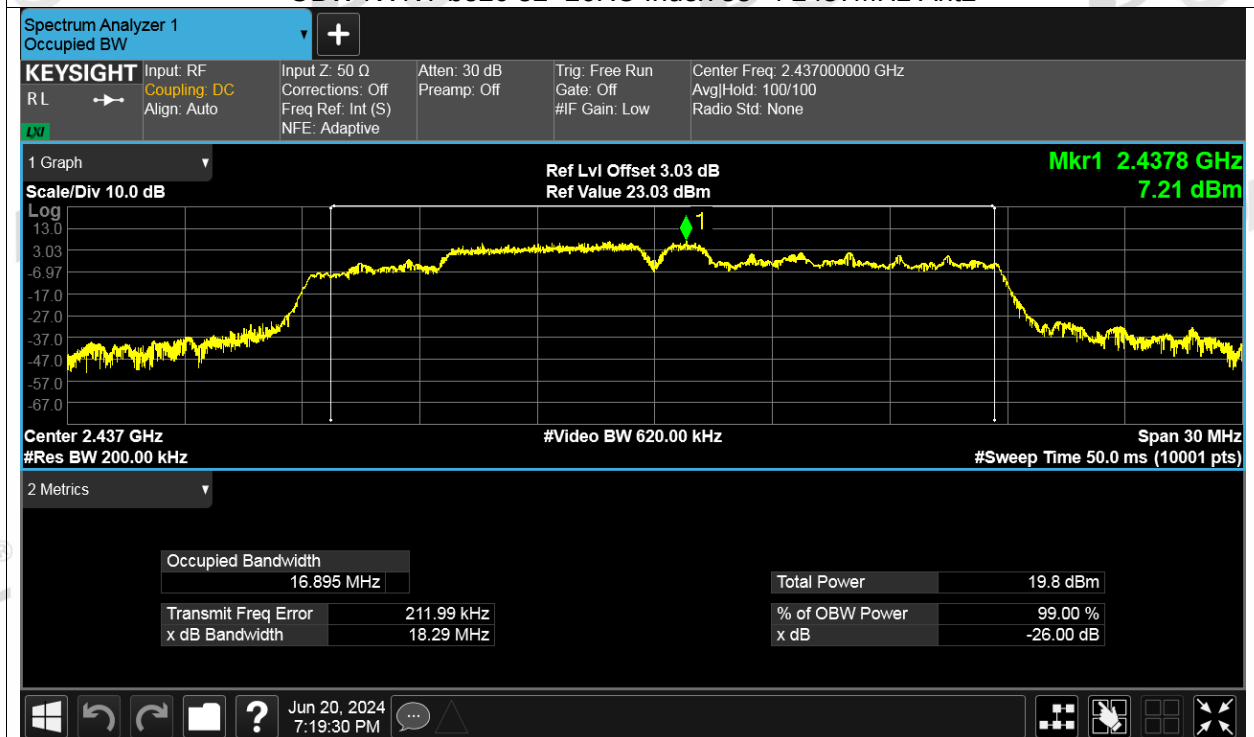
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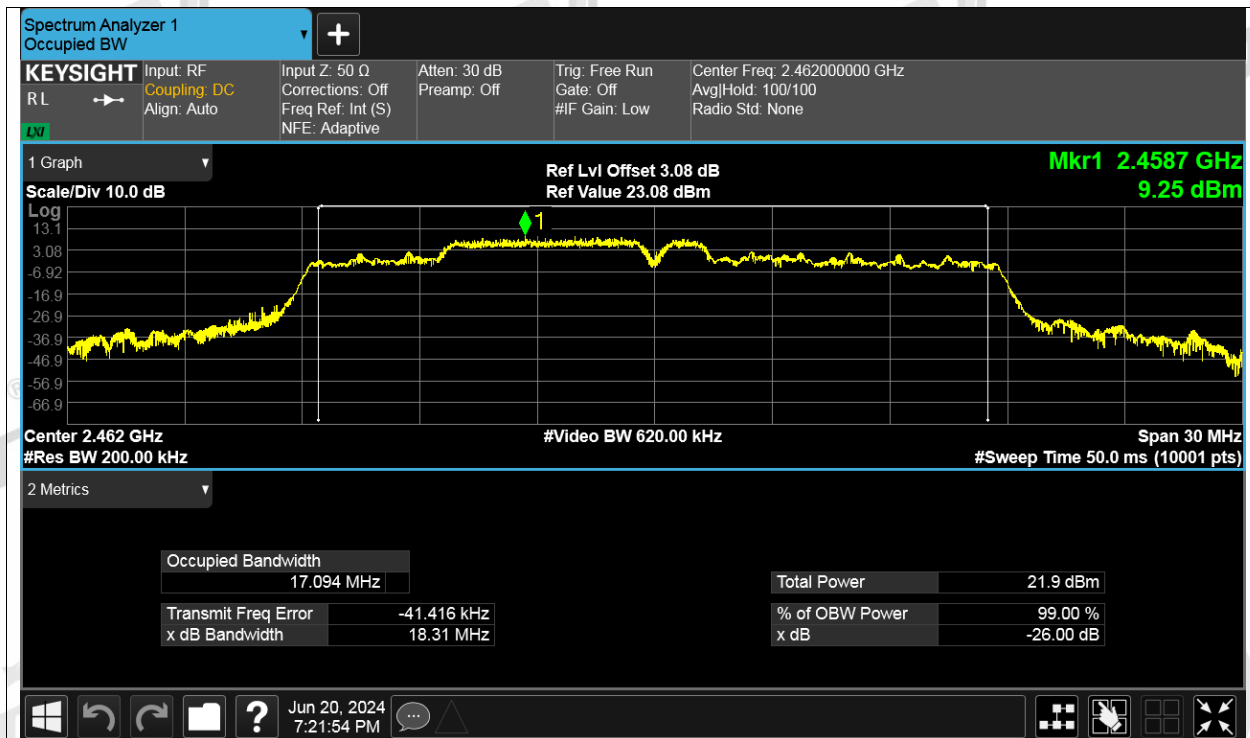
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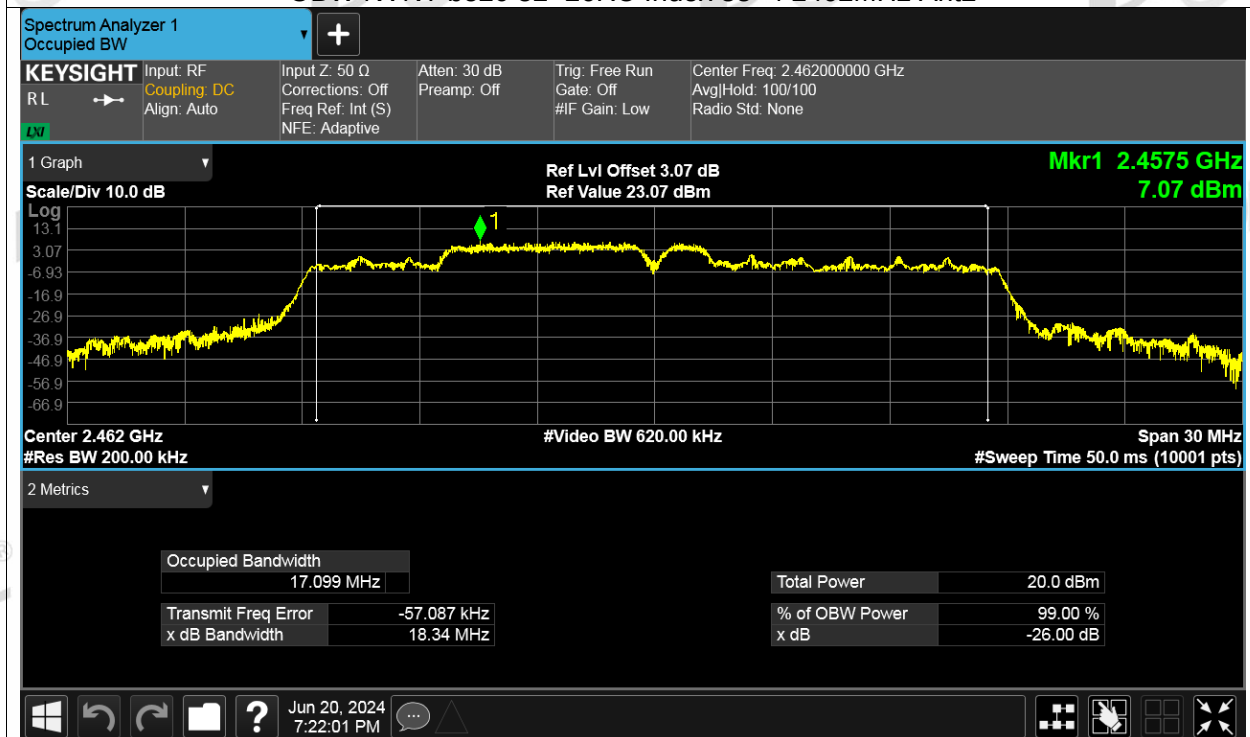
OBW NVNT be20 52+26RU Index 38+4 2437MHz Ant2



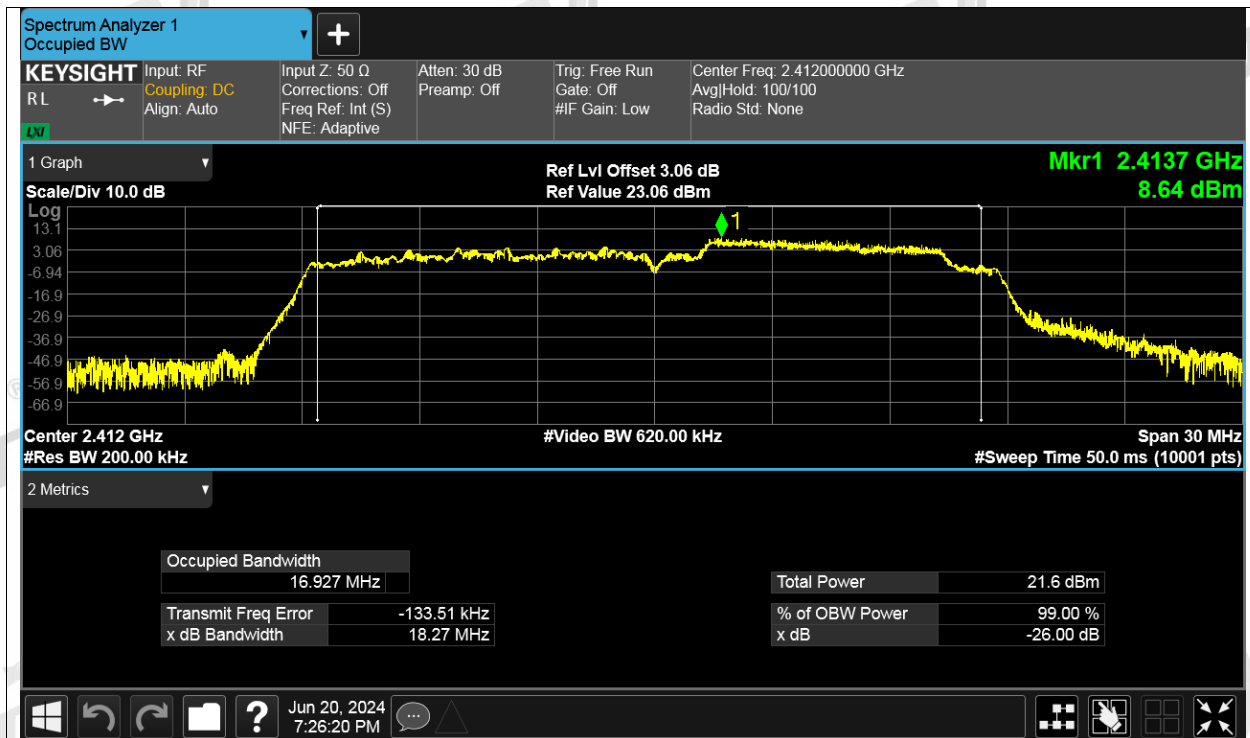
OBW NVNT be20 52+26RU Index 38+4 2462MHz Ant1



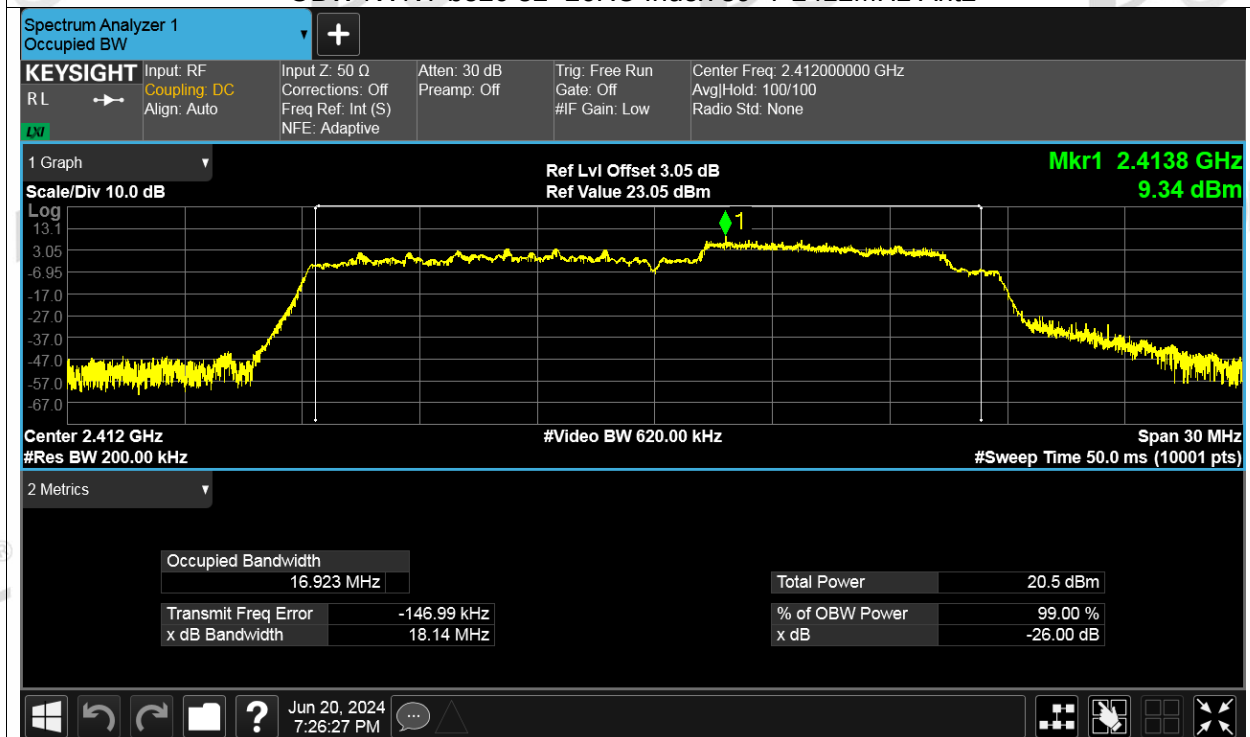
OBW NVNT be20 52+26RU Index 38+4 2462MHz Ant2



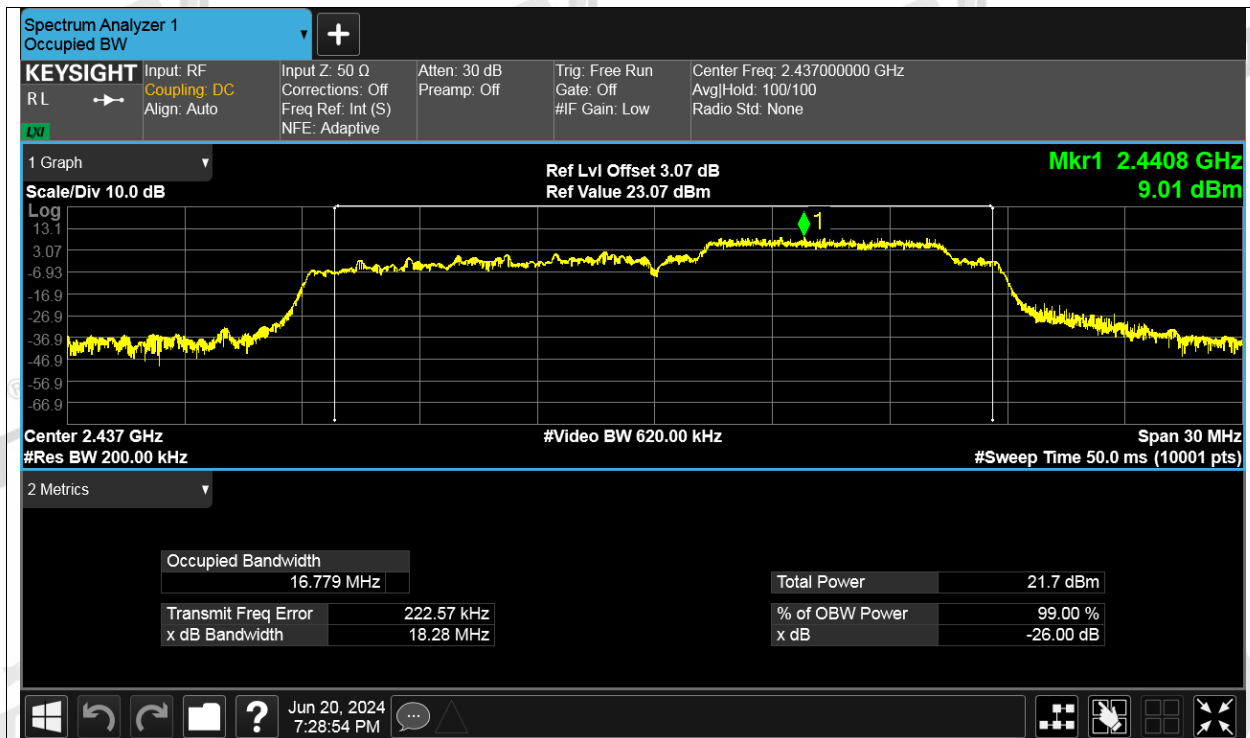
OBW NVNT be20 52+26RU Index 39+7 2412MHz Ant1



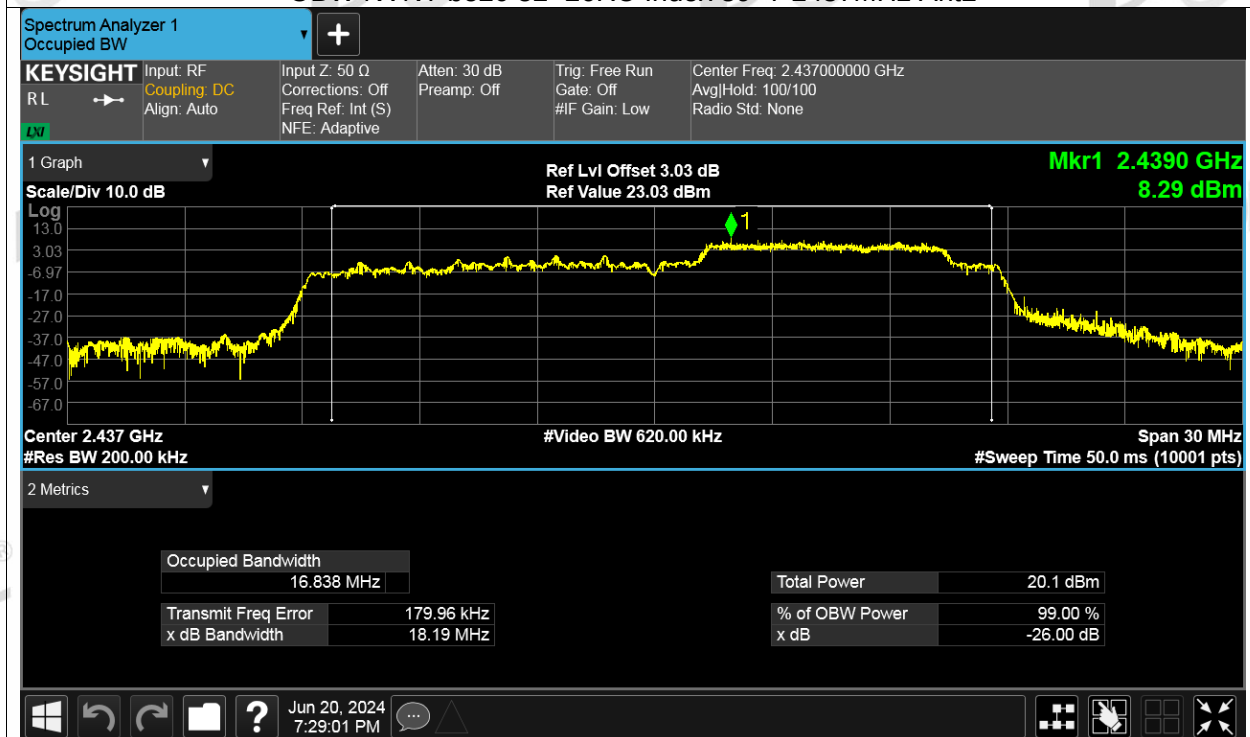
OBW NVNT be20 52+26RU Index 39+7 2412MHz Ant2



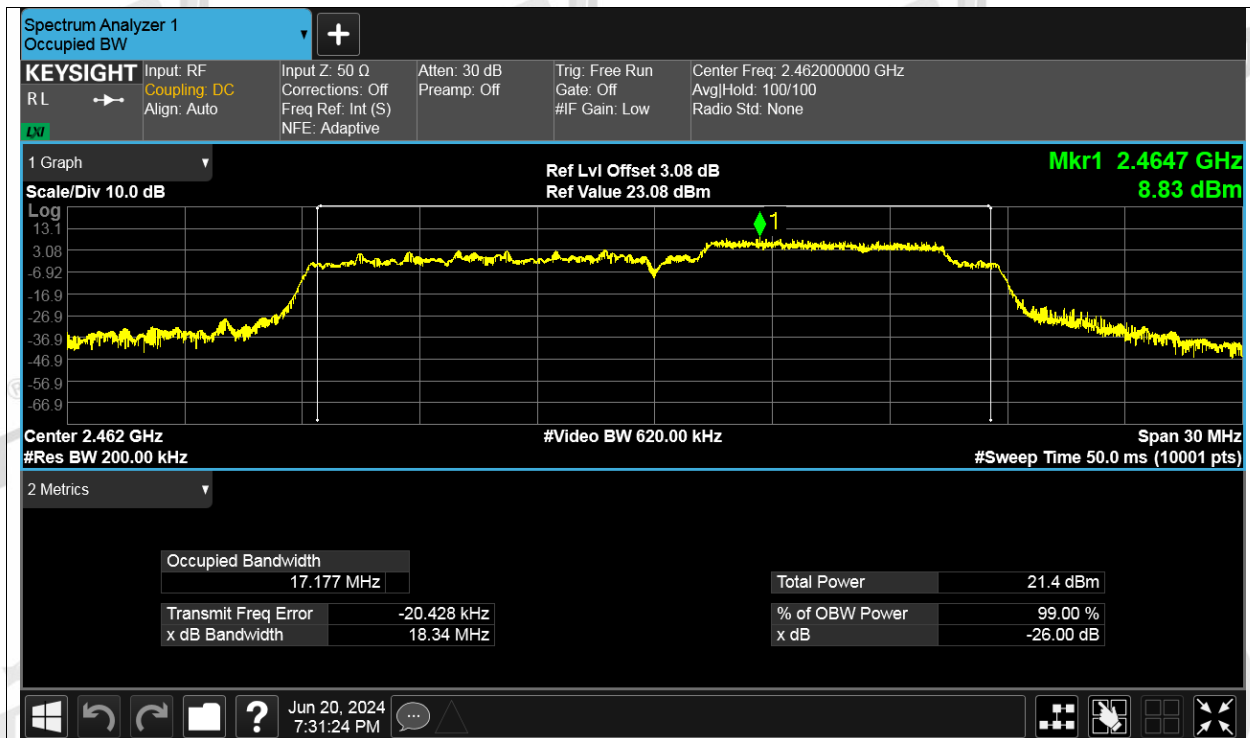
OBW NVNT be20 52+26RU Index 39+7 2437MHz Ant1



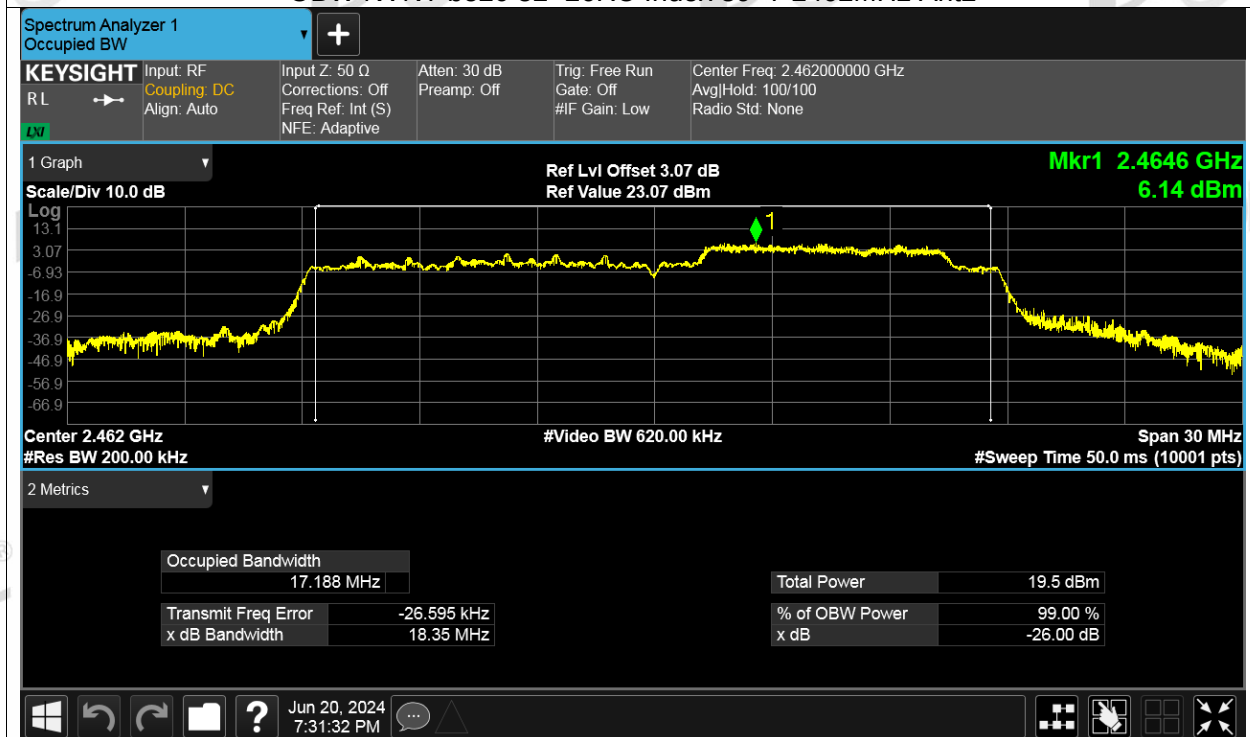
OBW NVNT be20 52+26RU Index 39+7 2437MHz Ant2



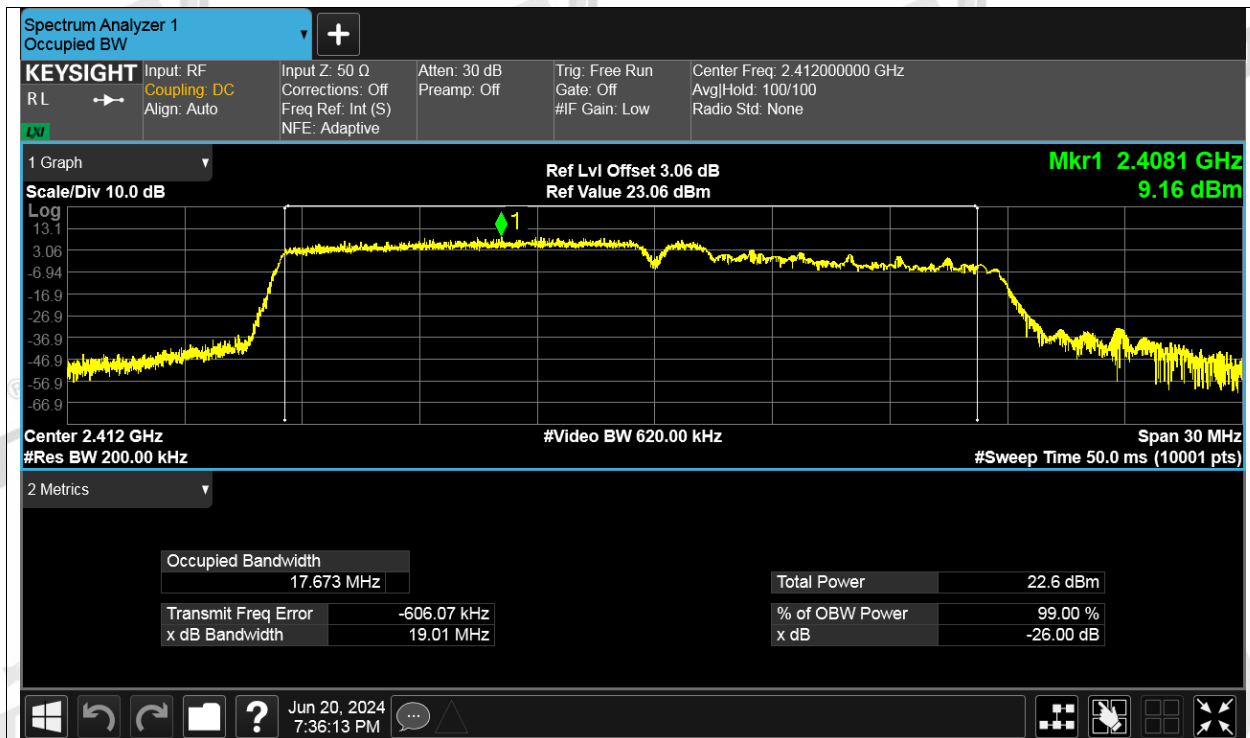
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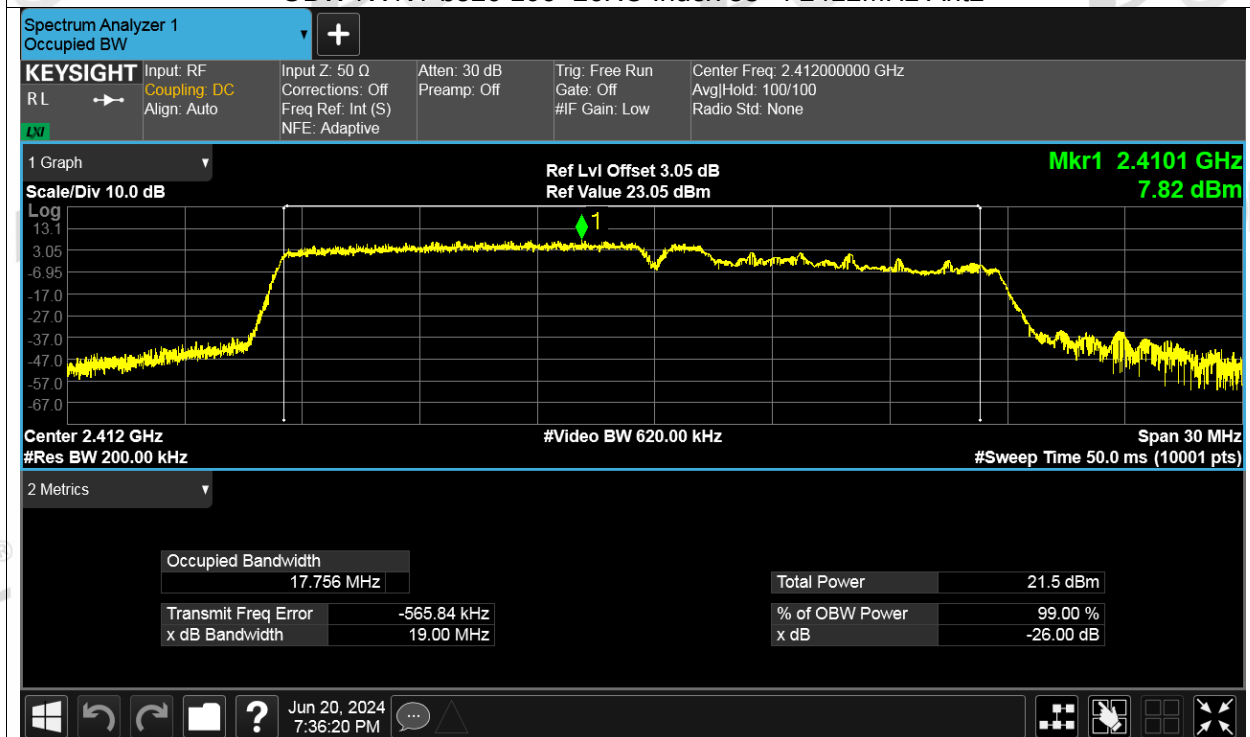
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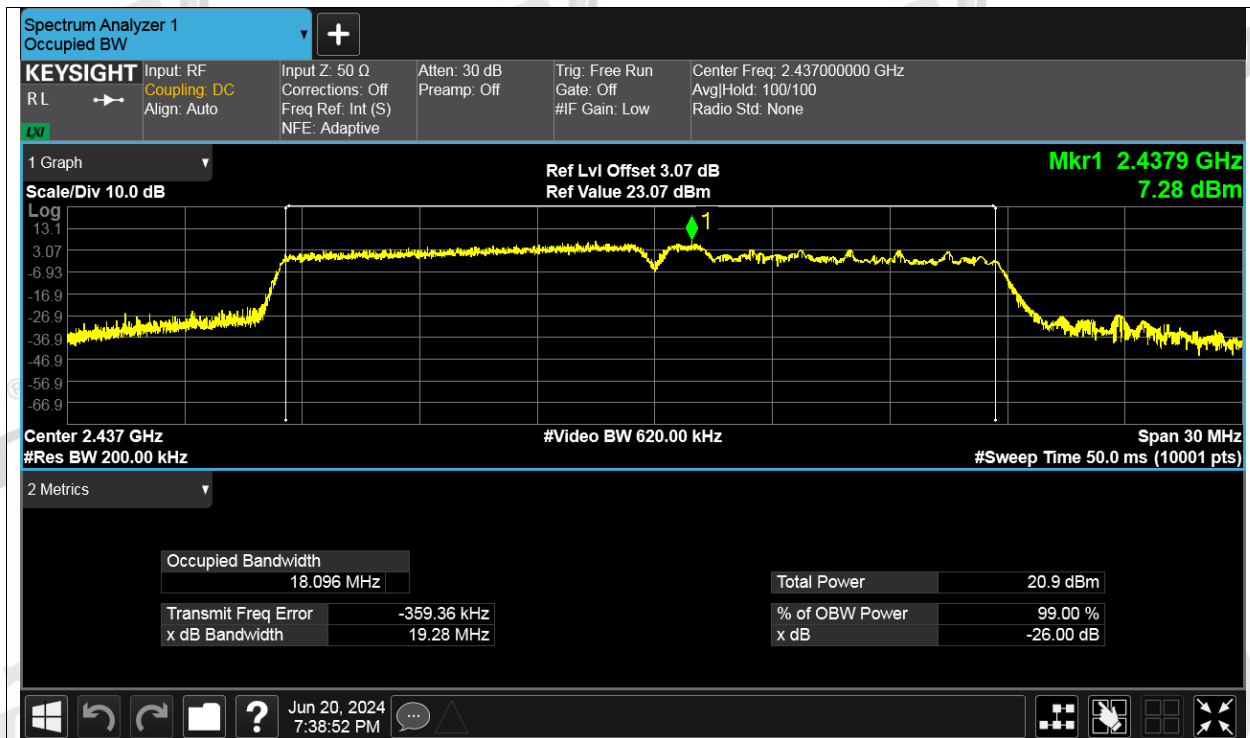
OBW NVNT be20 106+26RU Index 53+4 2412MHz Ant1



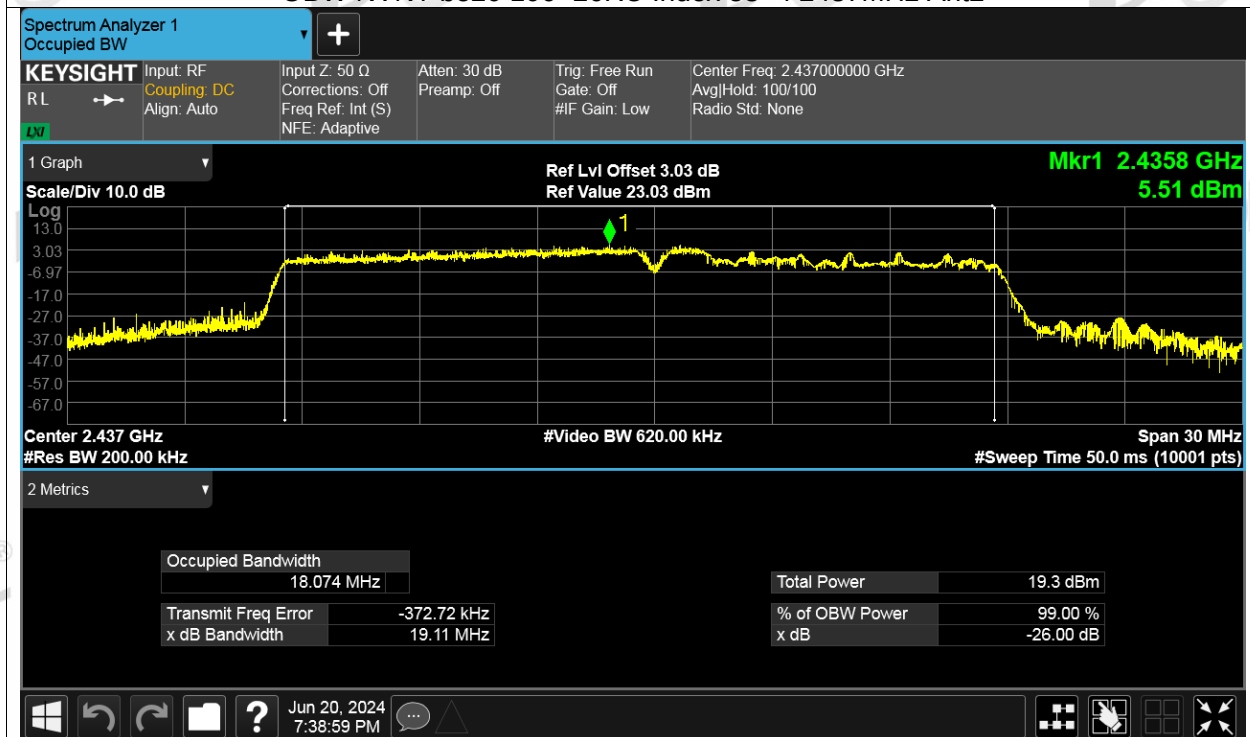
OBW NVNT be20 106+26RU Index 53+4 2412MHz Ant2



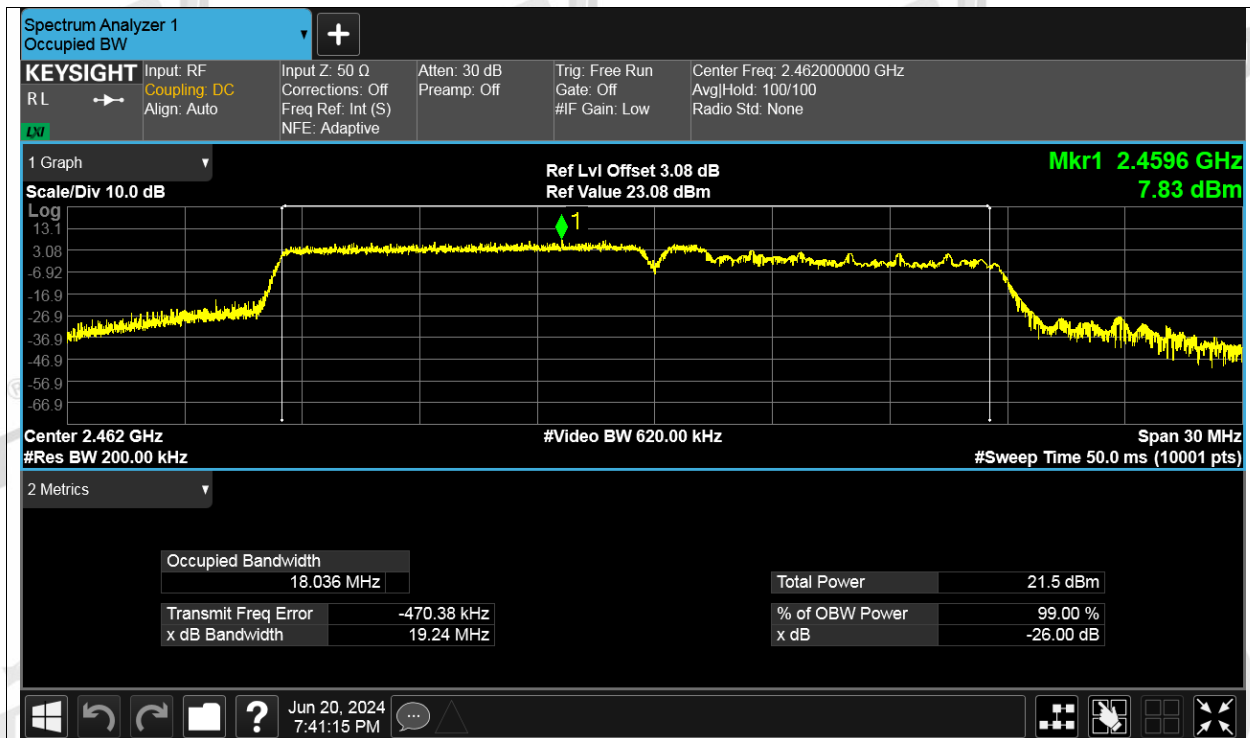
OBW NVNT be20 106+26RU Index 53+4 2437MHz Ant1



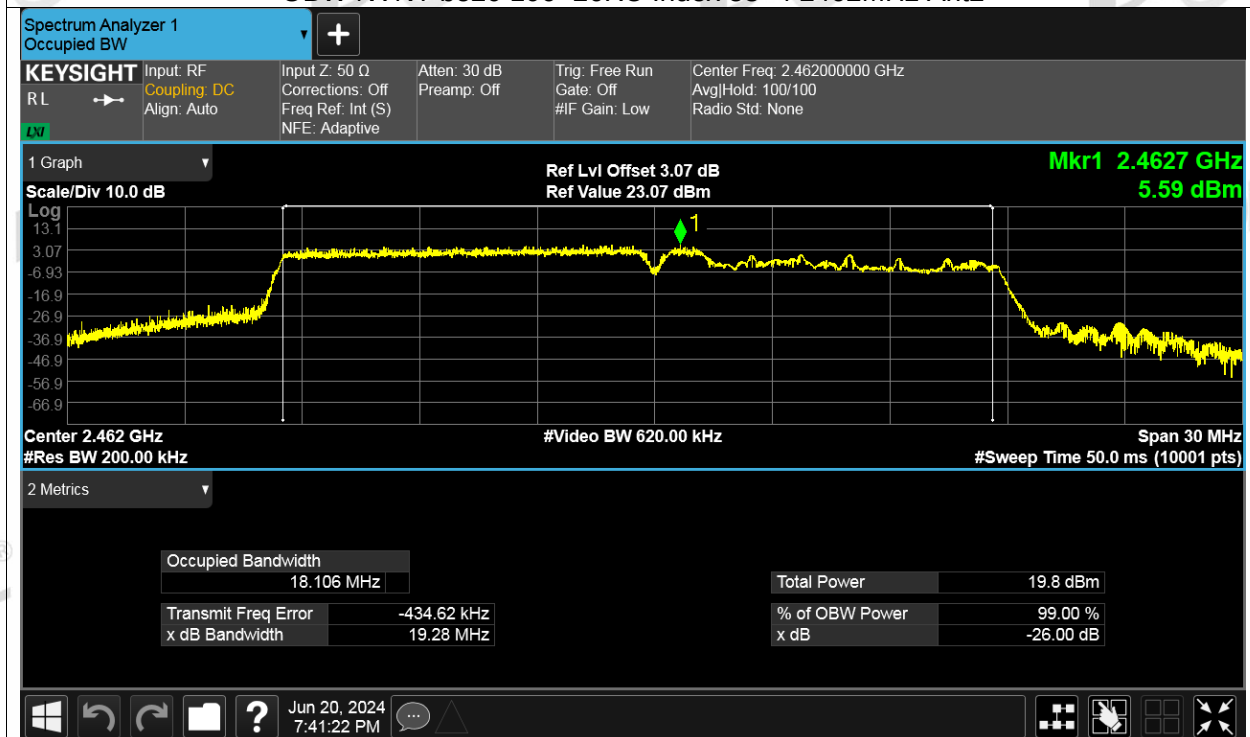
OBW NVNT be20 106+26RU Index 53+4 2437MHz Ant2



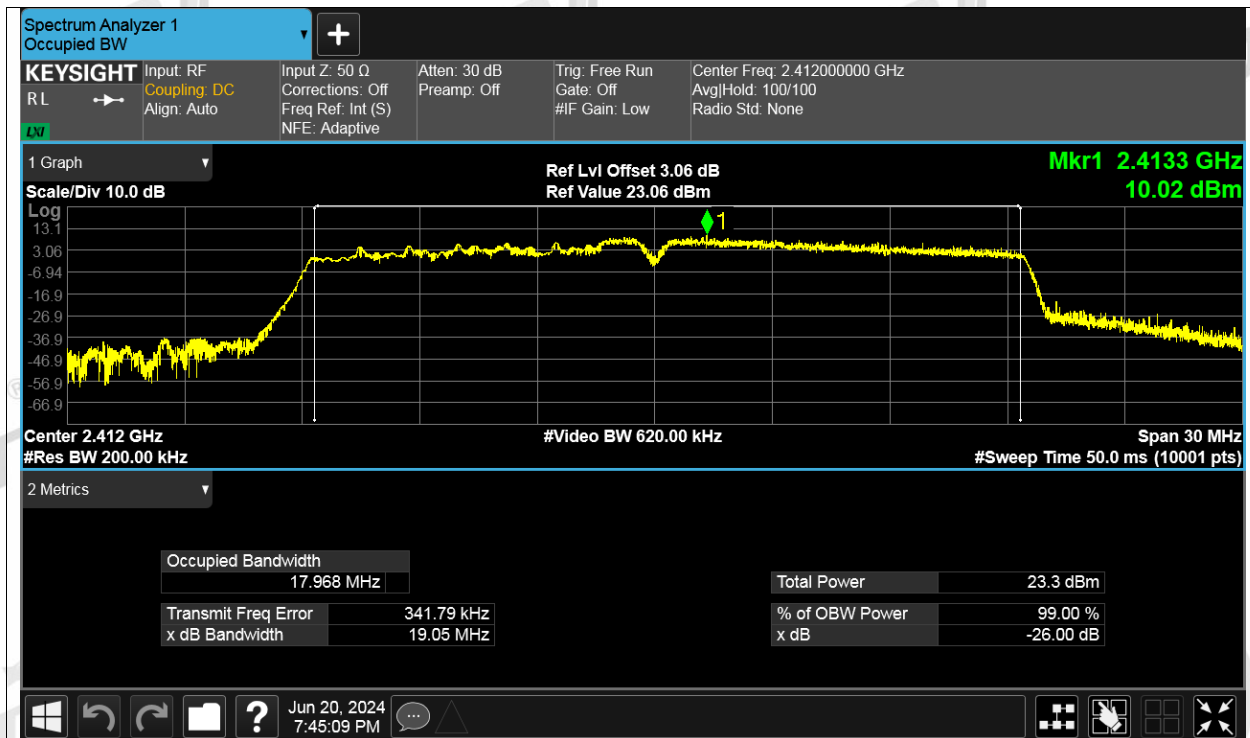
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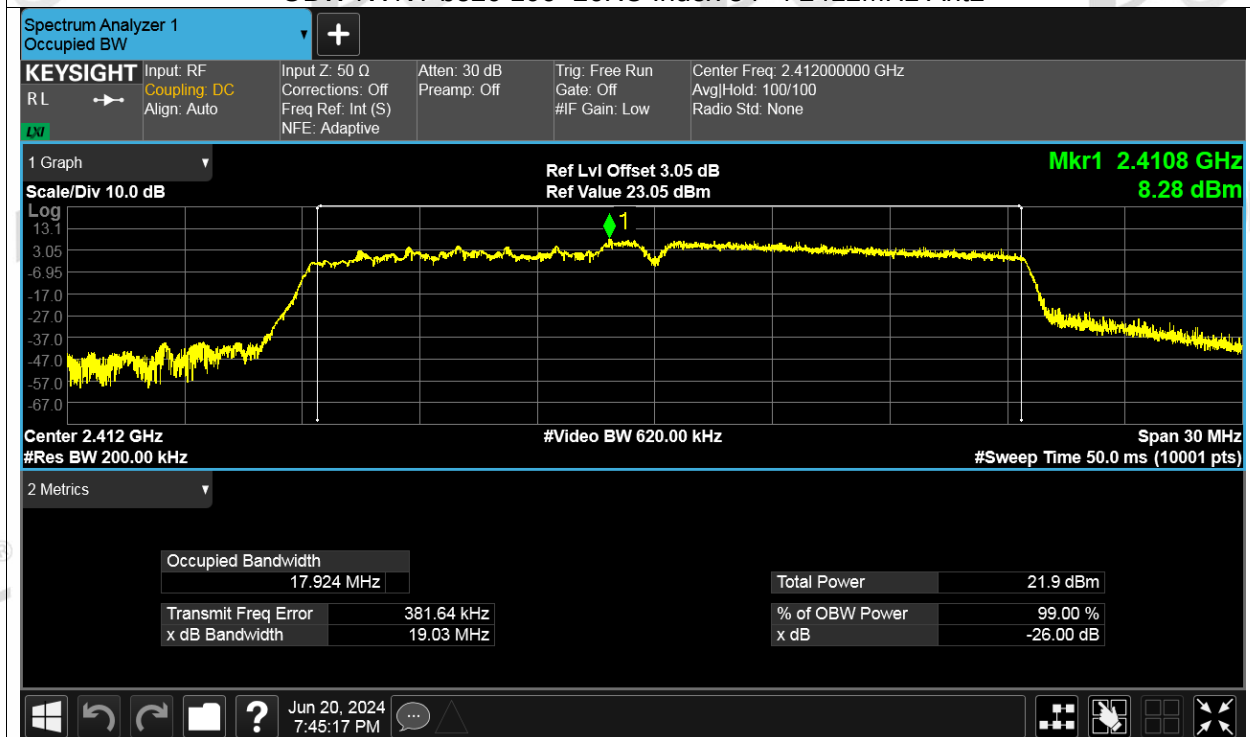
OBW NVNT be20 106+26RU Index 53+4 2462MHz Ant2



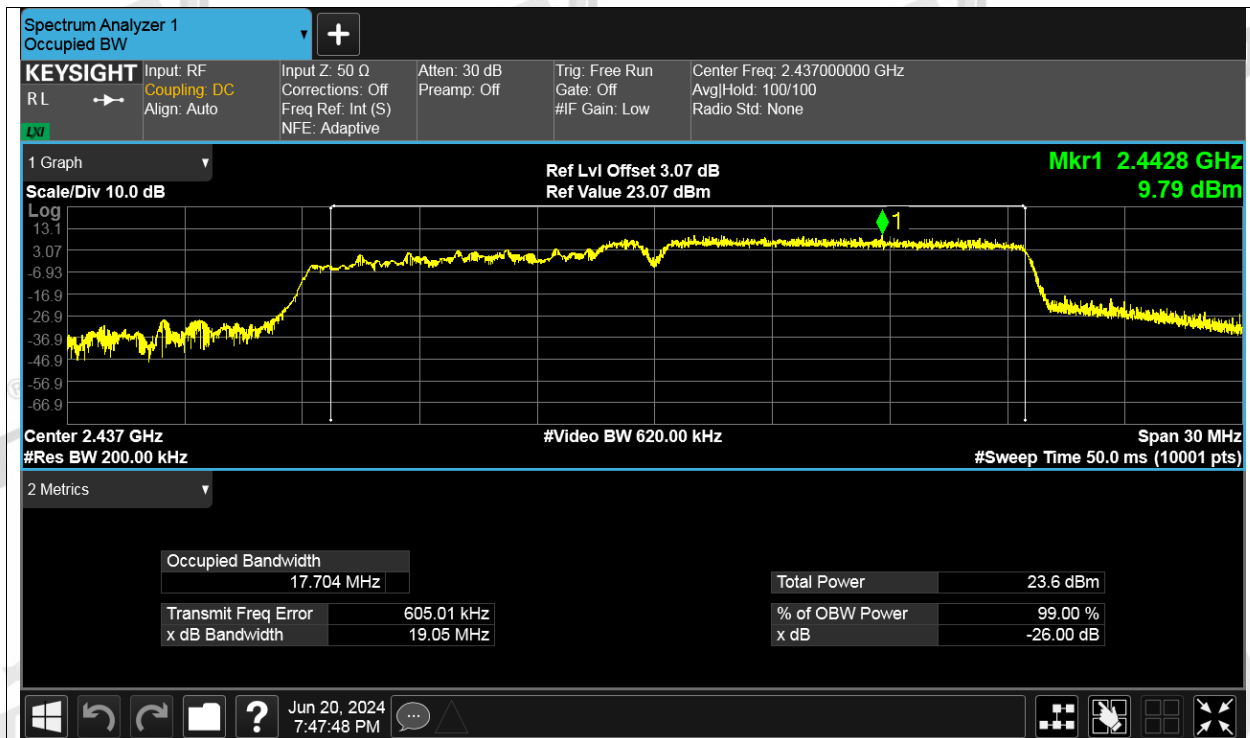
OBW NVNT be20 106+26RU Index 54+4 2412MHz Ant1



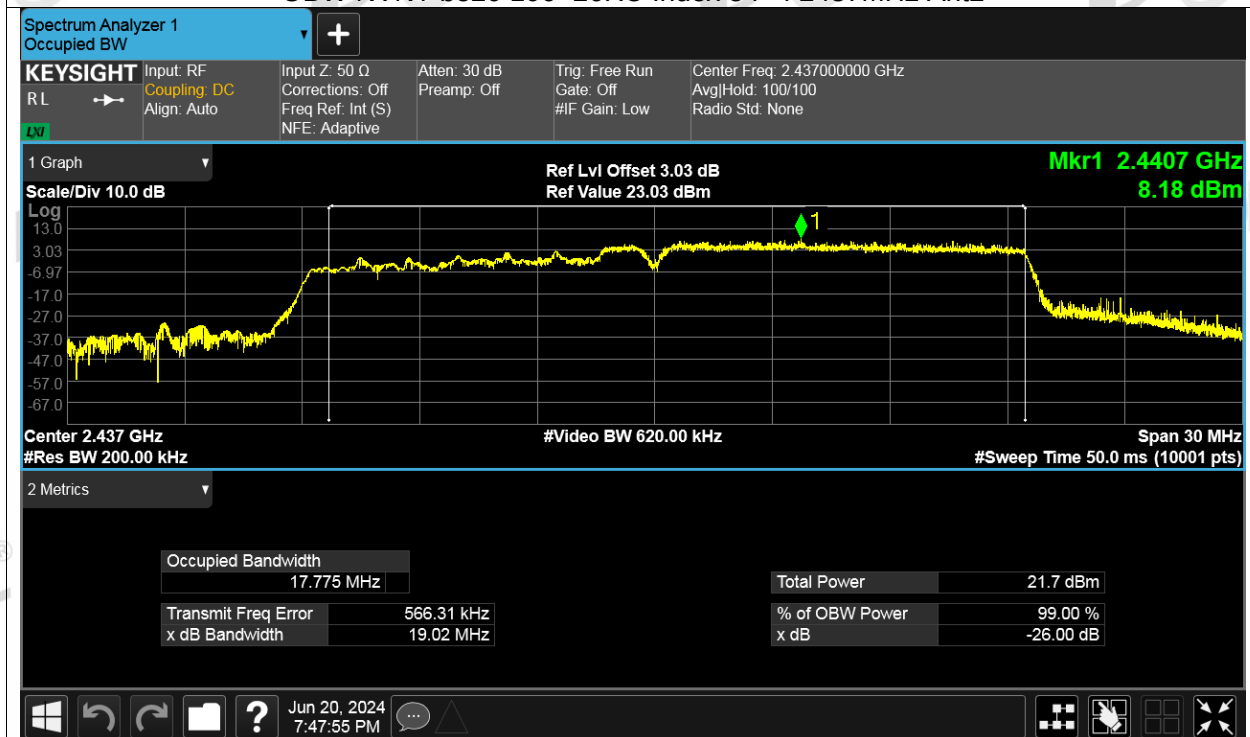
OBW NVNT be20 106+26RU Index 54+4 2412MHz Ant2



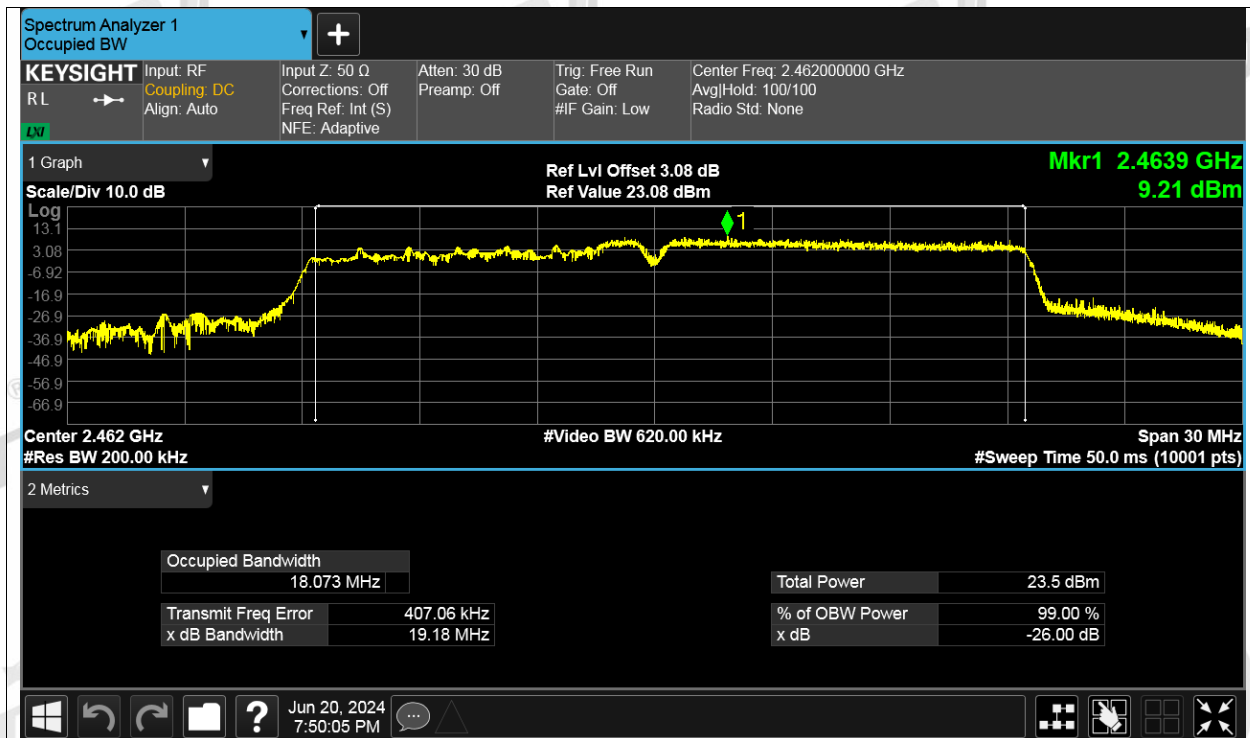
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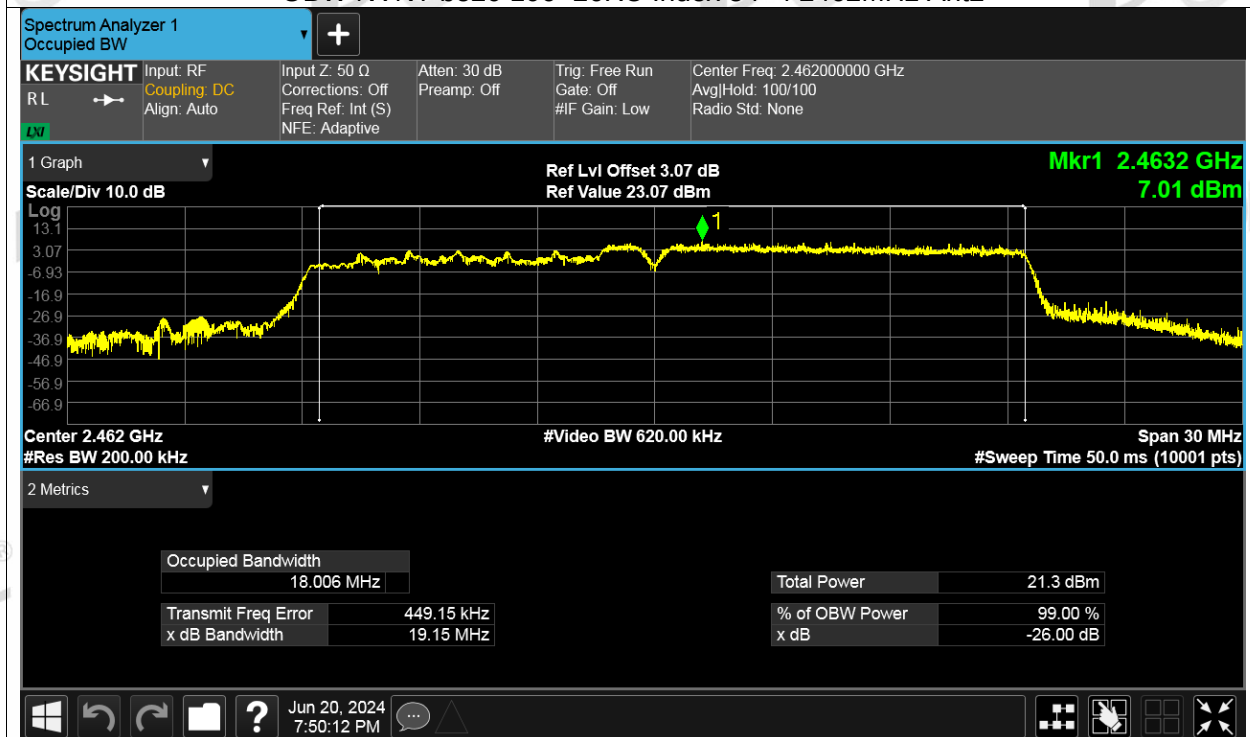
OBW NVNT be20 106+26RU Index 54+4 2437MHz Ant2



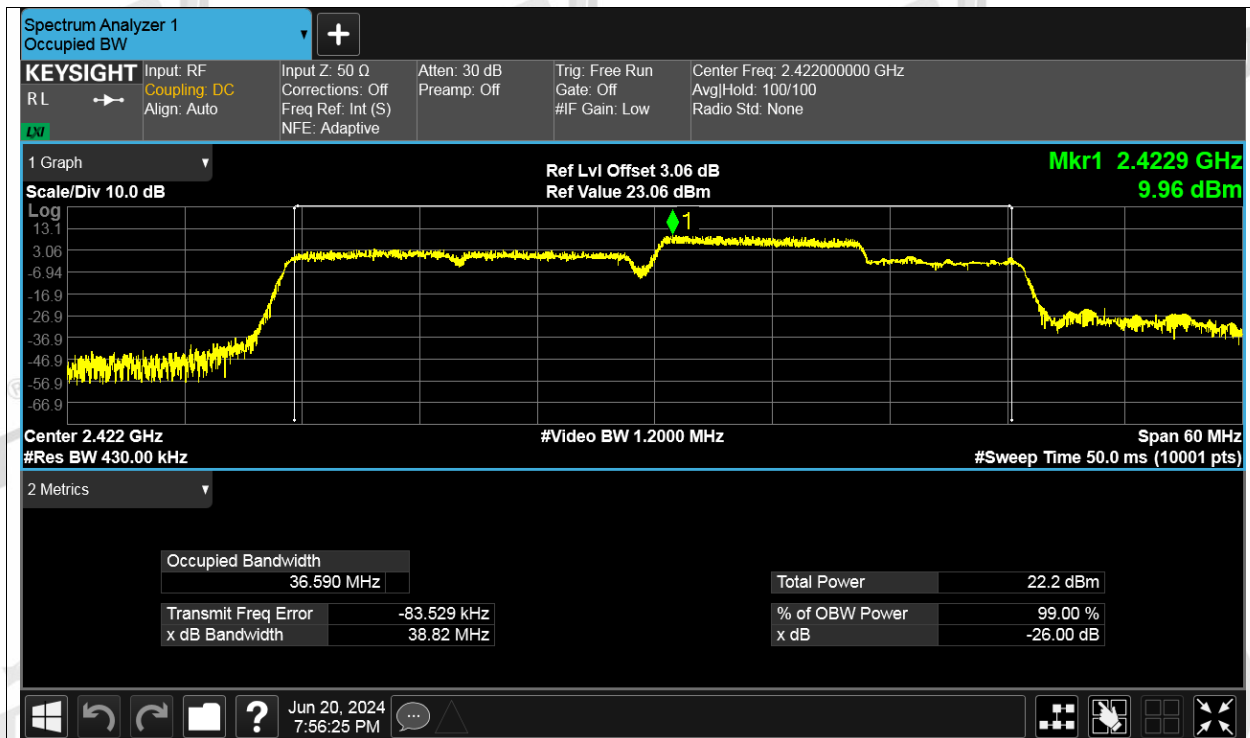
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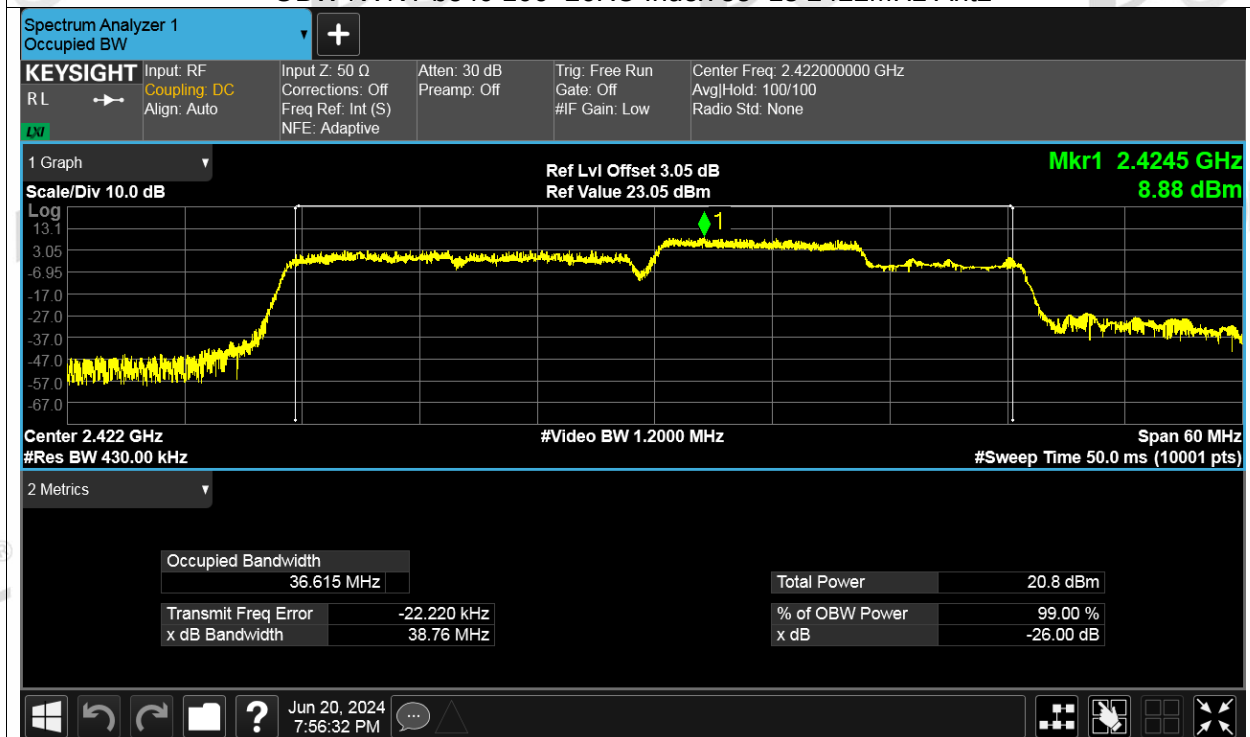
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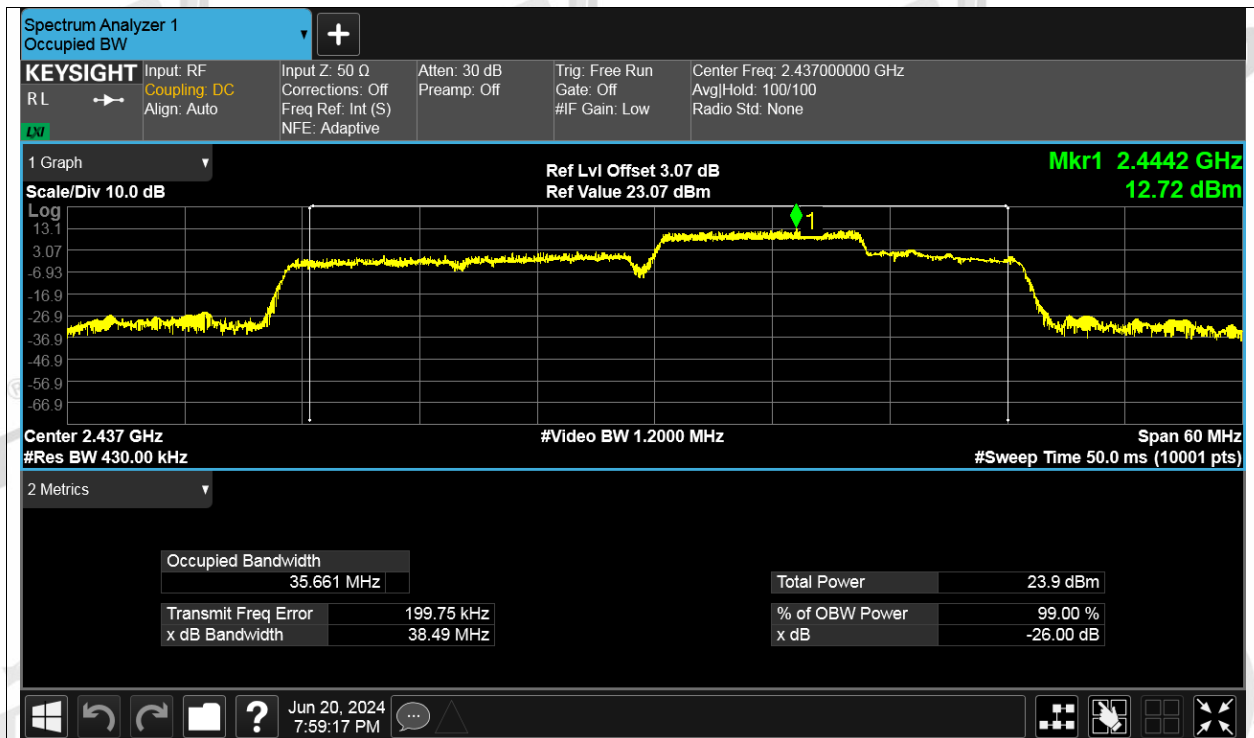
OBW NVNT be40 106+26RU Index 55+13 2422MHz Ant1



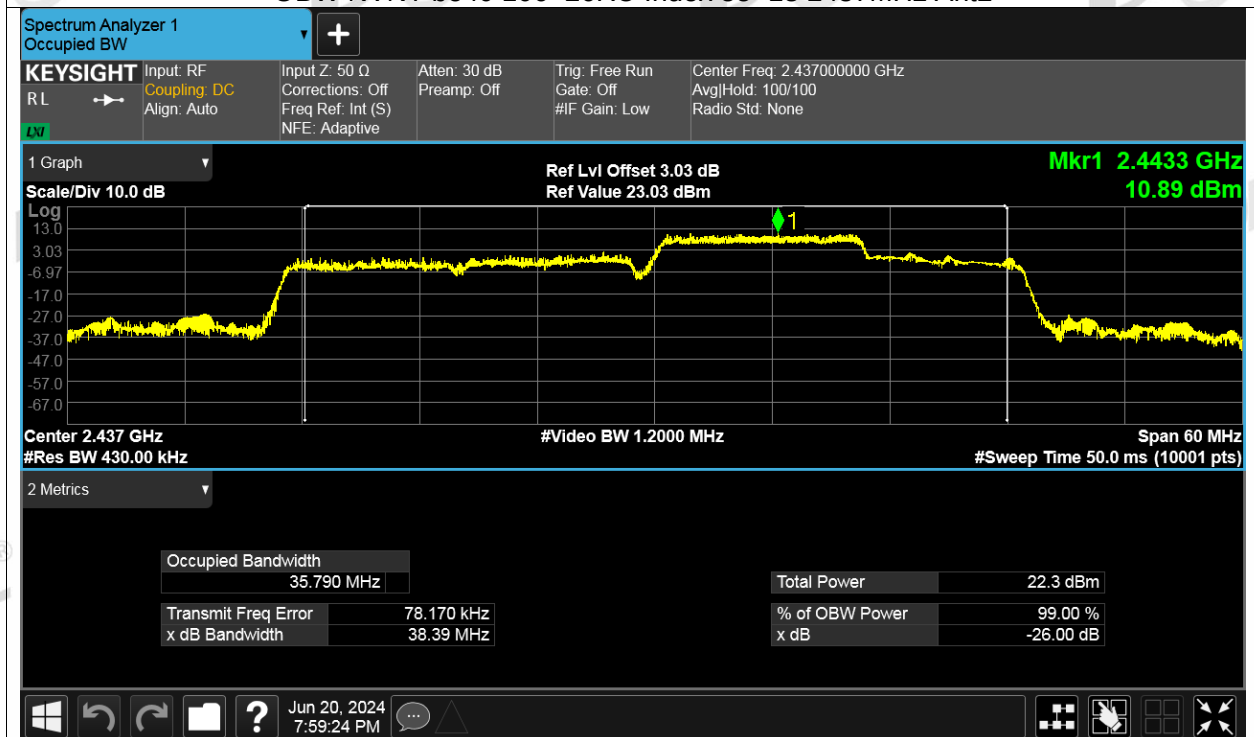
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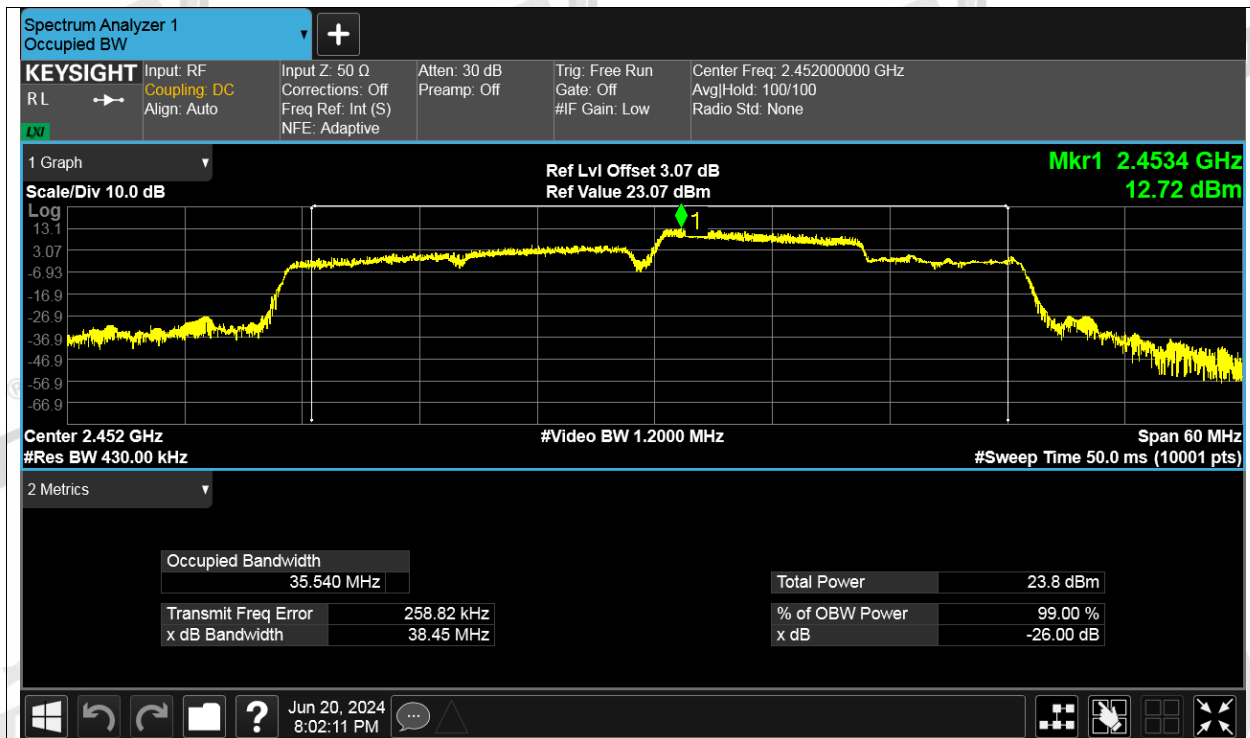
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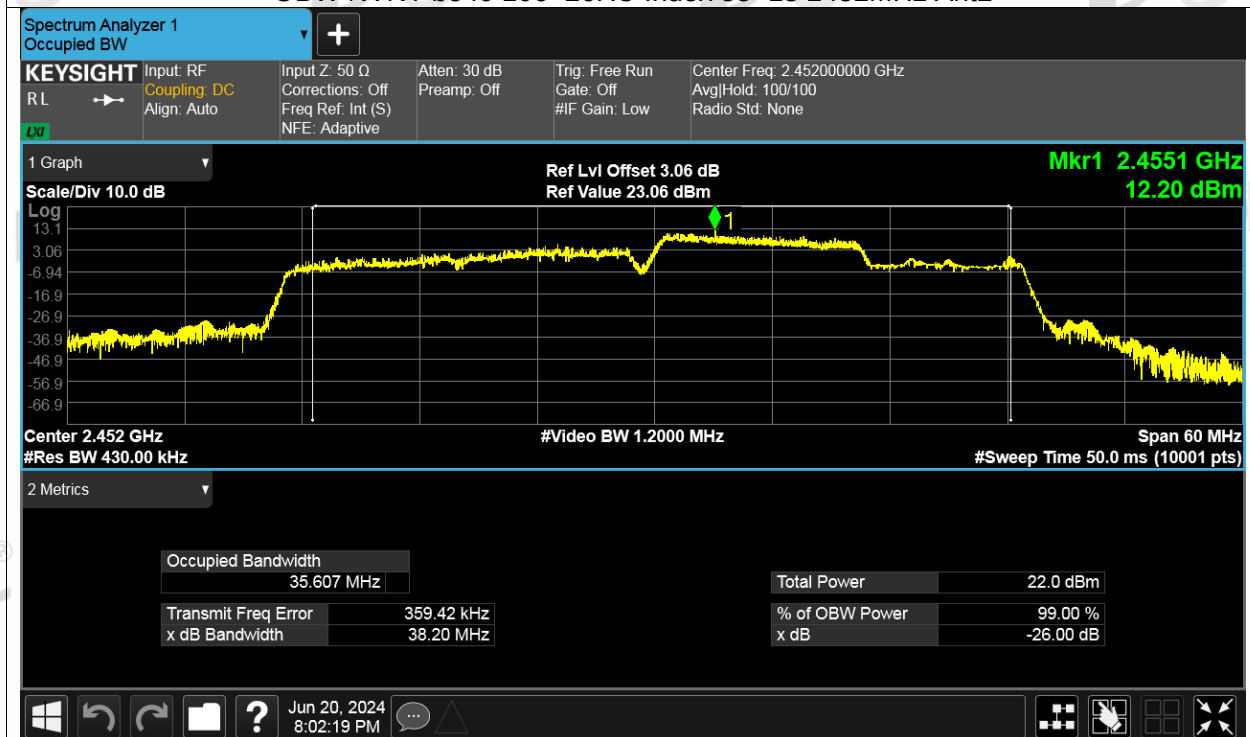
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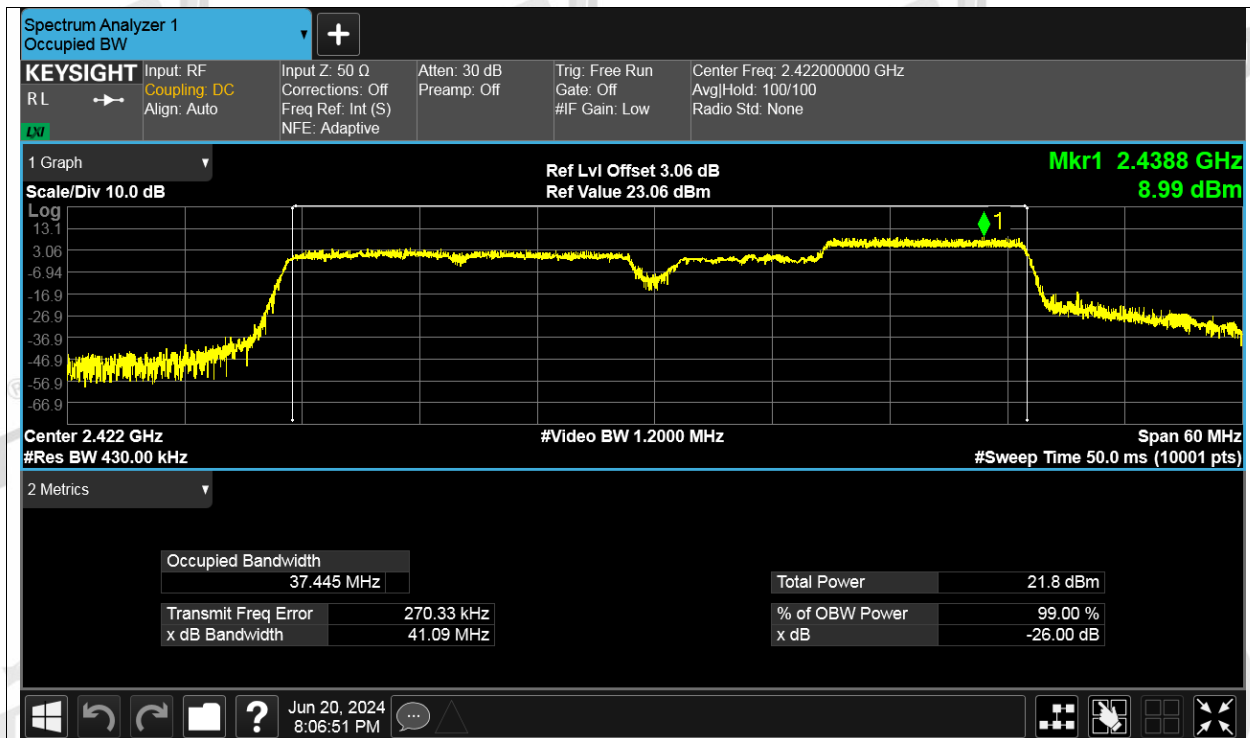
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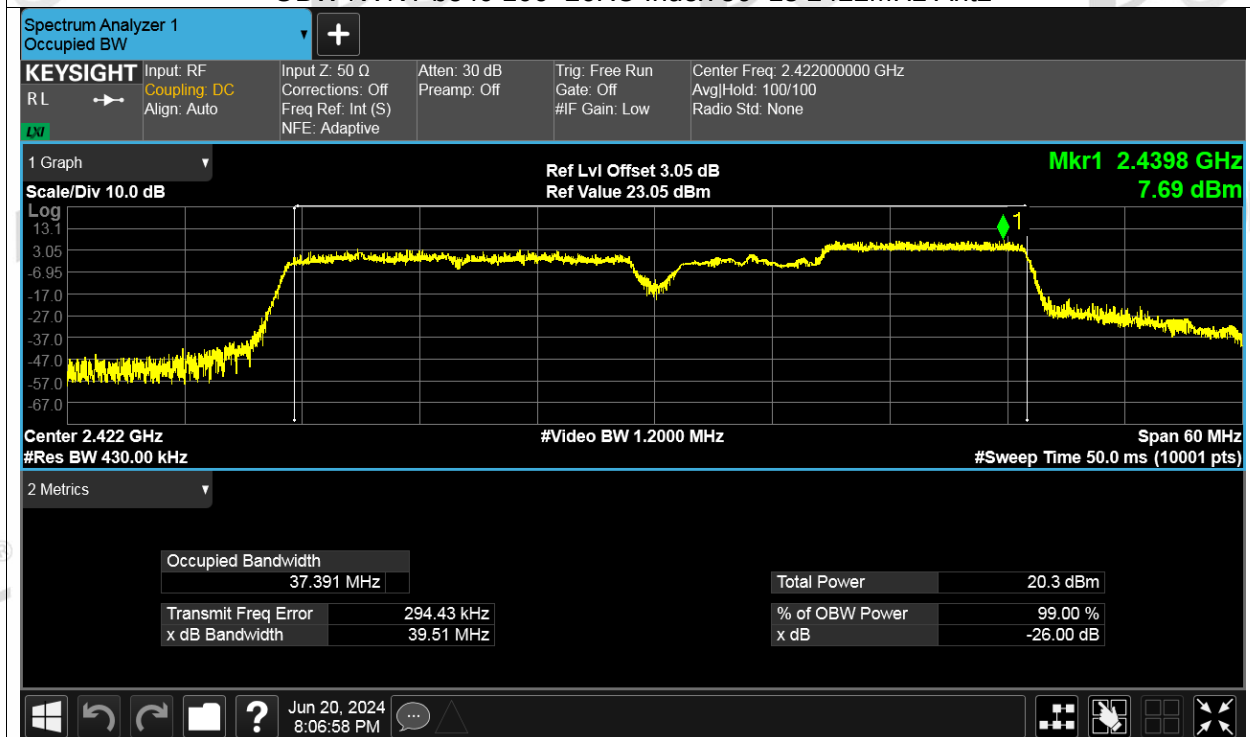
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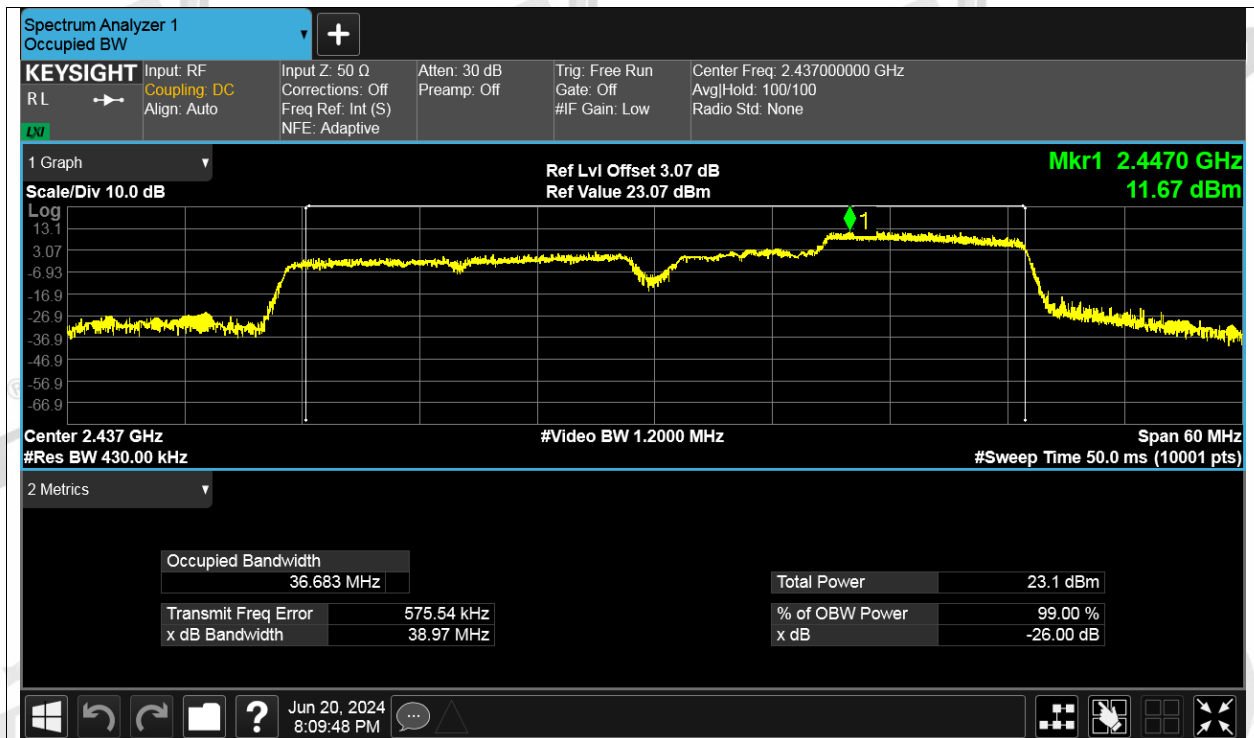
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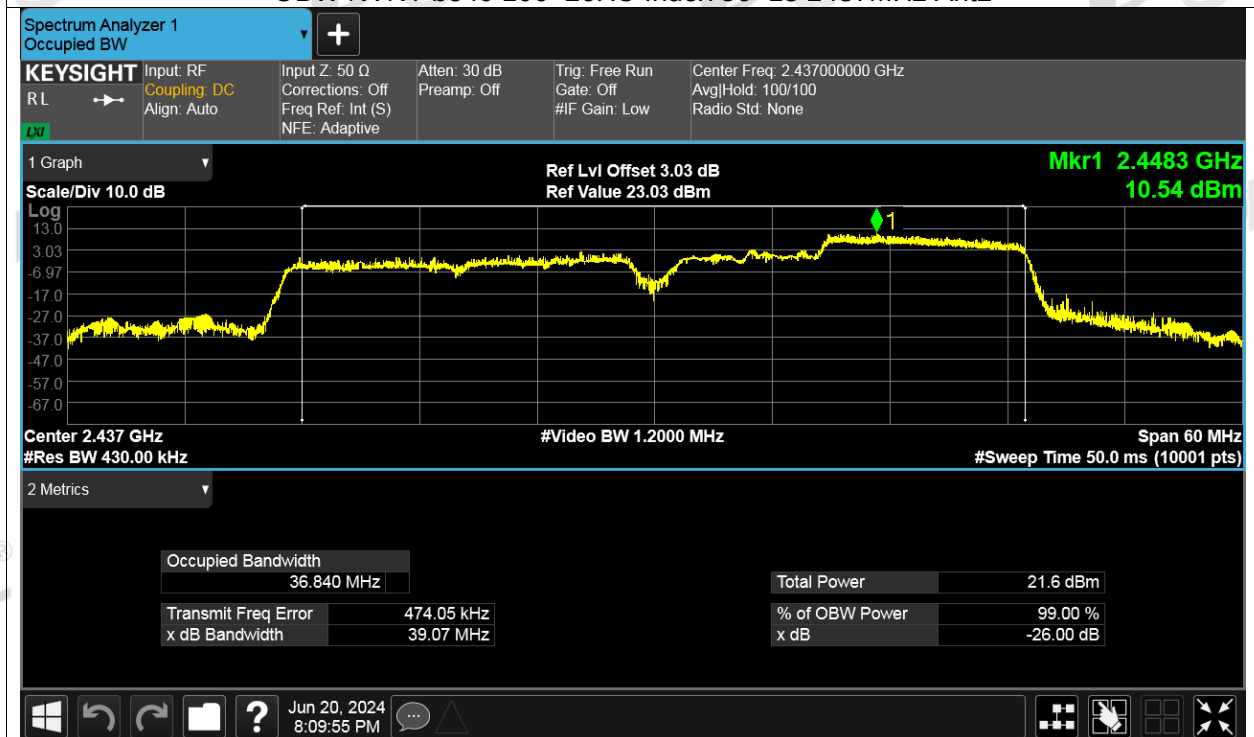
OBW NVNT be40 106+26RU Index 56+13 2422MHz Ant2



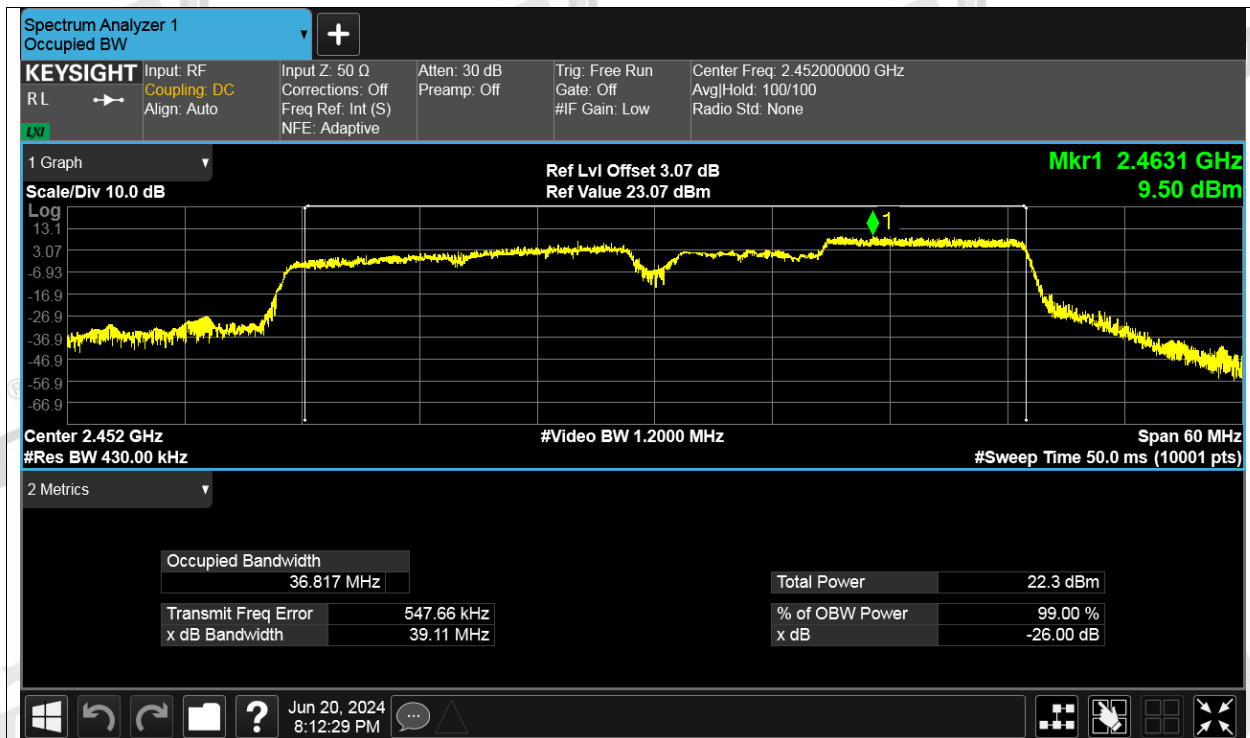
OBW NVNT be40 106+26RU Index 56+13 2437MHz Ant1



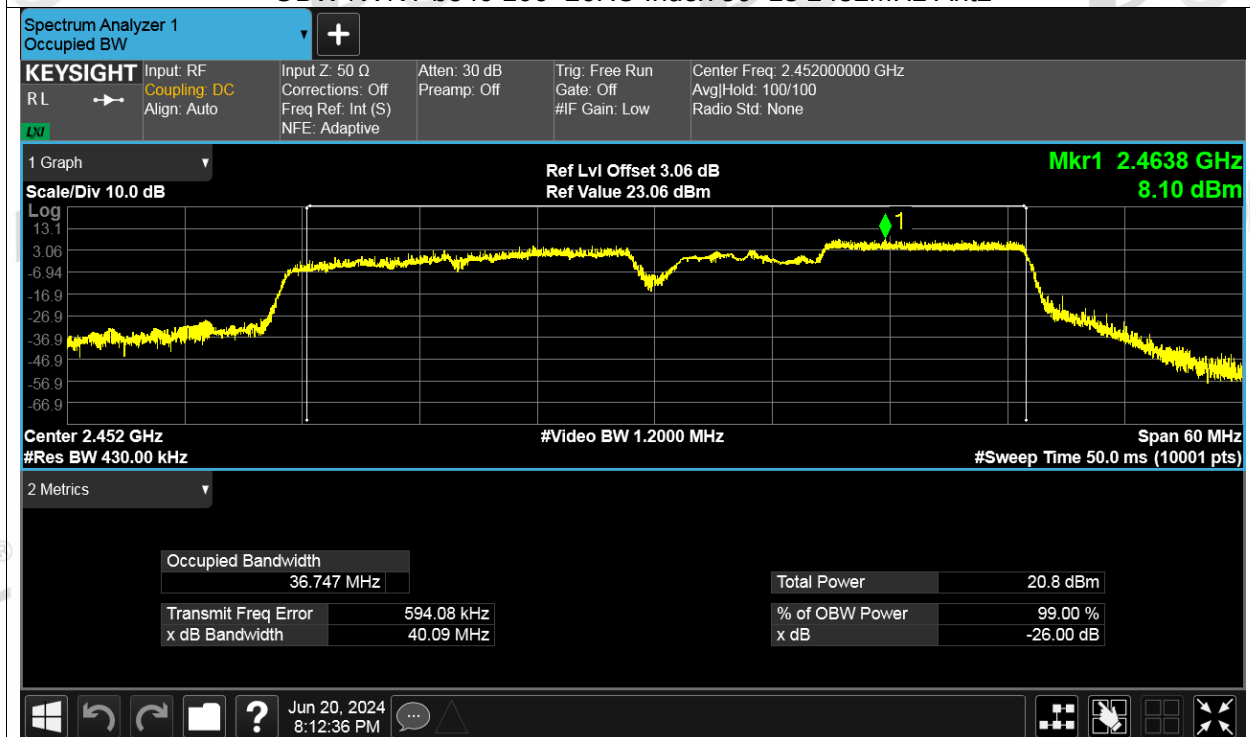
OBW NVNT be40 106+26RU Index 56+13 2437MHz Ant2



OBW NVNT be40 106+26RU Index 56+13 2452MHz Ant1



OBW NVNT be40 106+26RU Index 56+13 2452MHz Ant2



5. Duty Cycle

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limit

Just for Report.

5.3. Test procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.

set the Spectrum Analyzer as below:

Centre Frequency: The center frequency of the middle hopping channel.

Resolution BW: 1 MHz.

Video BW: 3 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Free Run

Sweep: Single

(2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

(3) Calculate dwell time follow below formula:

Duty cycle= Pulse's on time / Burst cycle

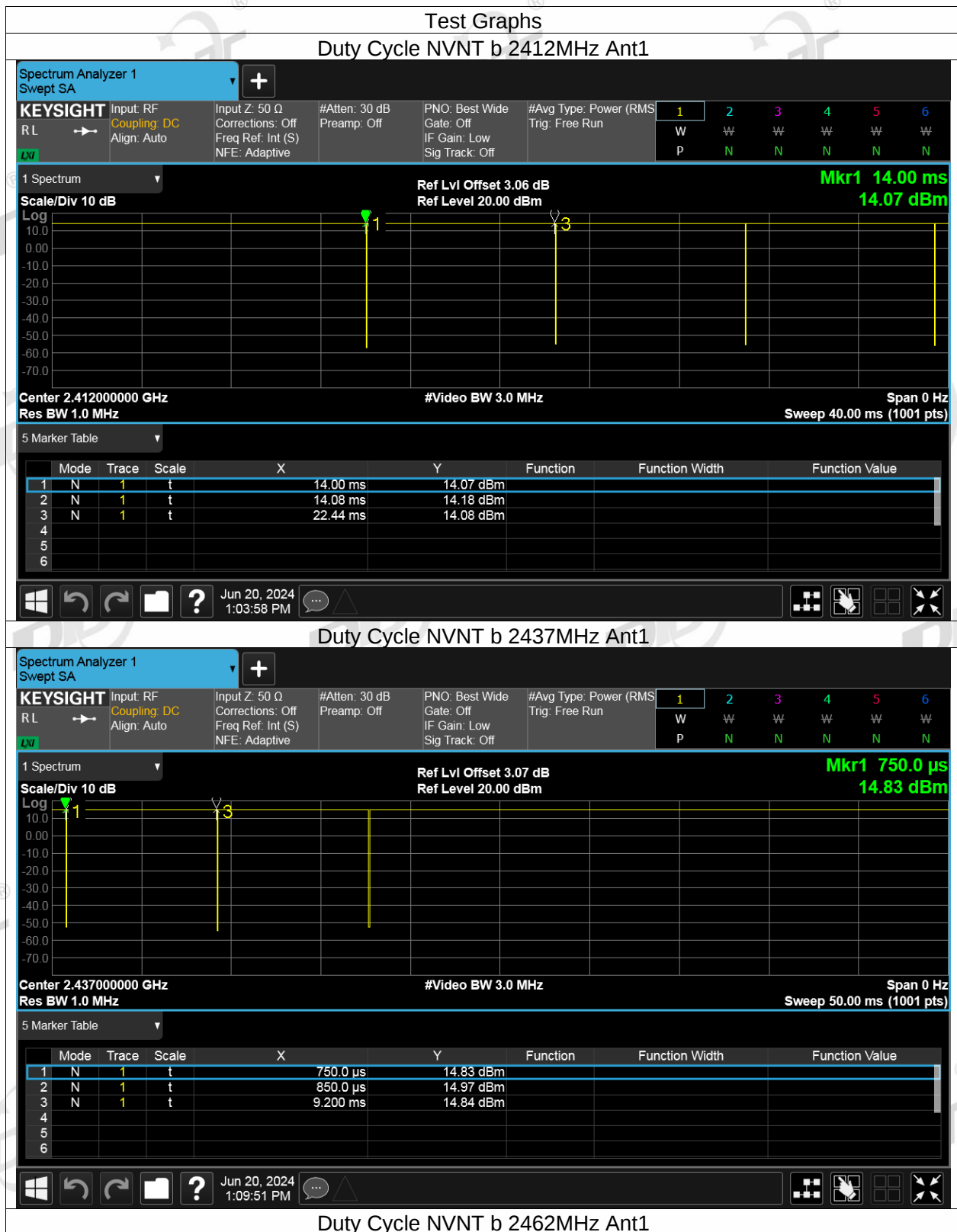
5.4. Test result

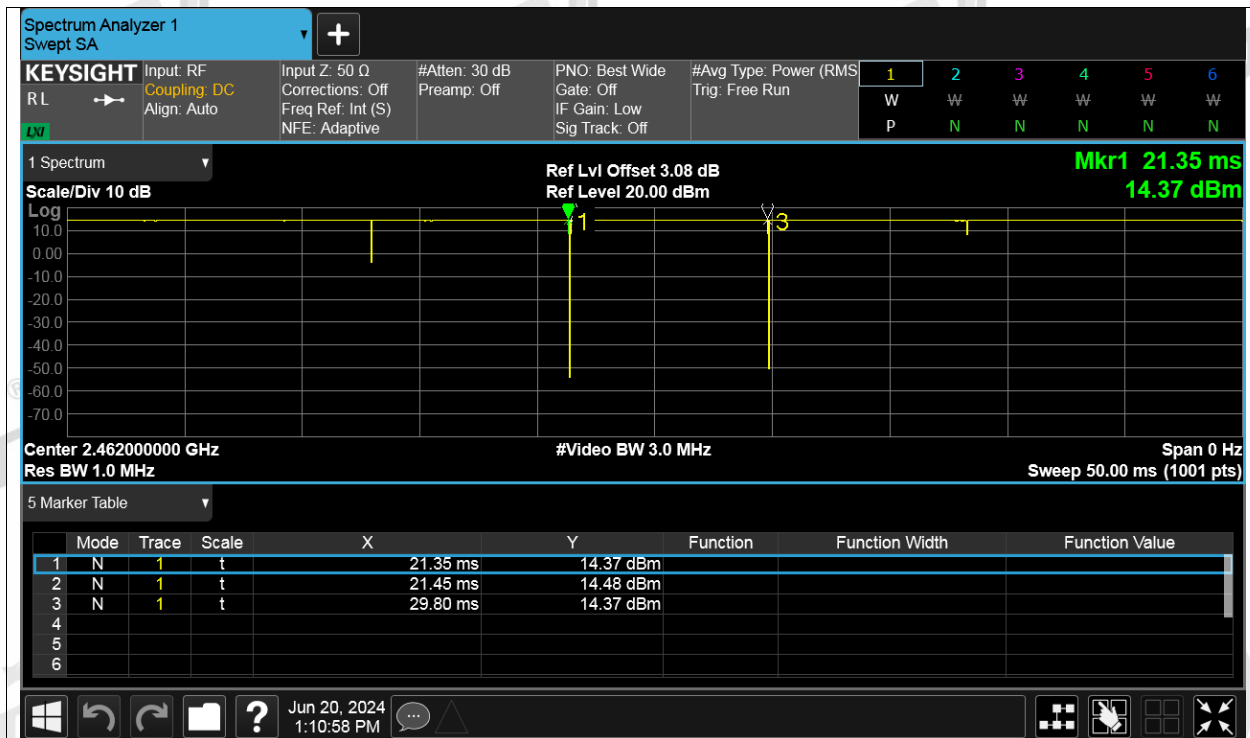
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	Burst Length (ms)
NVNT	b	2412	Ant1	99.6	0.02	8.36
NVNT	b	2437	Ant1	99.7	0.01	8.35
NVNT	b	2462	Ant1	99.8	0.01	8.35
NVNT	b	2412	Ant2	99.8	0.01	8.35
NVNT	b	2437	Ant2	99.7	0.01	8.35
NVNT	b	2462	Ant2	99.7	0.01	8.35
NVNT	g	2412	Ant1	97.9	0.09	1.4
NVNT	g	2437	Ant1	97.8	0.1	1.4
NVNT	g	2462	Ant1	97.9	0.09	1.4
NVNT	g	2412	Ant2	97.6	0.11	1.38
NVNT	g	2437	Ant2	97.6	0.11	1.38
NVNT	g	2462	Ant2	97.5	0.11	1.38
NVNT	ax20	2412	Sum	83.12	0.8	0.2
NVNT	ax20	2437	Sum	81.42	0.89	0.2
NVNT	ax20	2462	Sum	80.42	0.95	0.21
NVNT	ax40	2422	Sum	81.52	0.89	0.2
NVNT	ax40	2437	Sum	80.82	0.92	0.21
NVNT	ax40	2452	Sum	81.82	0.87	0.21
NVNT	be20	2412	Sum	81.62	0.88	0.21
NVNT	be20	2437	Sum	81.32	0.9	0.21
NVNT	be20	2462	Sum	81.92	0.87	0.21
NVNT	be40	2422	Sum	82.52	0.83	0.21
NVNT	be40	2437	Sum	81.82	0.87	0.21
NVNT	be40	2452	Sum	81.72	0.88	0.21
NVNT	n20	2412	Sum	95.6	0.2	0.68
NVNT	n20	2437	Sum	95.6	0.2	0.68
NVNT	n20	2462	Sum	95.4	0.2	0.66
NVNT	n40	2422	Sum	88.21	0.54	0.35
NVNT	n40	2437	Sum	88.71	0.52	0.35
NVNT	n40	2452	Sum	88.41	0.53	0.35
NVNT	ax20 26RU Index 0	2412	Sum	87.81	0.56	0.3
NVNT	ax20 26RU Index 0	2437	Sum	86.61	0.62	0.3
NVNT	ax20 26RU Index 0	2462	Sum	85.71	0.67	0.3
NVNT	ax20 26RU Index 4	2412	Sum	87.61	0.57	0.3
NVNT	ax20 26RU Index 4	2437	Sum	86.51	0.63	0.3
NVNT	ax20 26RU Index 4	2462	Sum	85.81	0.66	0.3
NVNT	ax20 26RU Index 8	2412	Sum	87.81	0.56	0.3
NVNT	ax20 26RU Index 8	2437	Sum	86.01	0.65	0.14
NVNT	ax20 26RU Index 8	2462	Sum	86.31	0.64	0.3
NVNT	ax20 52RU Index 37	2412	Sum	86.21	0.64	0.26
NVNT	ax20 52RU Index 37	2437	Sum	84.72	0.72	0.26
NVNT	ax20 52RU Index 37	2462	Sum	84.92	0.71	0.26
NVNT	ax20 52RU Index 38	2412	Sum	85.71	0.67	0.26
NVNT	ax20 52RU Index 38	2437	Sum	84.42	0.74	0.26
NVNT	ax20 52RU Index 38	2462	Sum	84.52	0.73	0.26

NVNT	ax20 52RU Index 40	2412	Sum	86.31	0.64	0.26
NVNT	ax20 52RU Index 40	2437	Sum	80.02	0.67	0.26
NVNT	ax20 52RU Index 40	2462	Sum	84.62	0.73	0.26
NVNT	ax20 106RU Index 53	2412	Sum	85.51	0.68	0.23
NVNT	ax20 106RU Index 53	2437	Sum	83.22	0.8	0.24
NVNT	ax20 106RU Index 53	2462	Sum	83.32	0.79	0.24
NVNT	ax20 106RU Index 54	2412	Sum	85.41	0.68	0.24
NVNT	ax20 106RU Index 54	2437	Sum	83.42	0.79	0.24
NVNT	ax20 106RU Index 54	2462	Sum	84.12	0.75	0.24
NVNT	ax40 26RU Index 0	2422	Sum	86.11	0.65	0.3
NVNT	ax40 26RU Index 0	2437	Sum	85.71	0.67	0.3
NVNT	ax40 26RU Index 0	2452	Sum	86.61	0.62	0.3
NVNT	ax40 26RU Index 8	2422	Sum	86.51	0.63	0.3
NVNT	ax40 26RU Index 8	2437	Sum	86.31	0.64	0.3
NVNT	ax40 26RU Index 8	2452	Sum	85.71	0.67	0.3
NVNT	ax40 26RU Index 17	2422	Sum	86.61	0.62	0.3
NVNT	ax40 26RU Index 17	2437	Sum	86.51	0.63	0.3
NVNT	ax40 26RU Index 17	2452	Sum	86.71	0.62	0.3
NVNT	ax40 52RU Index 37	2422	Sum	85.11	0.7	0.26
NVNT	ax40 52RU Index 37	2437	Sum	85.21	0.69	0.26
NVNT	ax40 52RU Index 37	2452	Sum	85.11	0.7	0.26
NVNT	ax40 52RU Index 41	2422	Sum	85.21	0.69	0.26
NVNT	ax40 52RU Index 41	2437	Sum	85.31	0.69	0.26
NVNT	ax40 52RU Index 41	2452	Sum	85.31	0.69	0.26
NVNT	ax40 52RU Index 44	2422	Sum	85.31	0.69	0.01
NVNT	ax40 52RU Index 44	2437	Sum	85.31	0.69	0.26
NVNT	ax40 52RU Index 44	2452	Sum	85.31	0.69	0.26
NVNT	ax40 106RU Index 53	2422	Sum	83.92	0.76	0.23
NVNT	ax40 106RU Index 53	2437	Sum	82.62	0.83	0.24
NVNT	ax40 106RU Index 53	2452	Sum	83.72	0.77	0.24
NVNT	ax40 106RU Index 54	2422	Sum	83.52	0.78	0.24
NVNT	ax40 106RU Index 54	2437	Sum	83.02	0.81	0.24
NVNT	ax40 106RU Index 54	2452	Sum	83.62	0.78	0.23
NVNT	ax40 106RU Index 56	2422	Sum	82.52	0.83	0.23
NVNT	ax40 106RU Index 56	2437	Sum	83.02	0.81	0.23
NVNT	ax40 106RU Index 56	2452	Sum	83.92	0.76	0.23
NVNT	ax40 242RU Index 61	2422	Sum	82.12	0.86	0.21
NVNT	ax40 242RU Index 61	2437	Sum	81.72	0.88	0.21
NVNT	ax40 242RU Index 61	2452	Sum	81.92	0.87	0.22
NVNT	ax40 242RU Index 62	2422	Sum	81.72	0.88	0.21
NVNT	ax40 242RU Index 62	2437	Sum	81.52	0.89	0.21
NVNT	ax40 242RU Index 62	2452	Sum	81.82	0.87	0.21
NVNT	be20 52+26RU Index 38+1	2412	Sum	90.81	0.42	0.5
NVNT	be20 52+26RU Index 38+1	2437	Sum	90.71	0.42	0.5
NVNT	be20 52+26RU Index 38+1	2462	Sum	90.71	0.42	0.5
NVNT	be20 52+26RU Index 38+1	2412	Sum	91.01	0.41	0.51
NVNT	be20 52+26RU Index 38+1	2437	Sum	91.11	0.4	0.51
NVNT	be20 52+26RU Index 38+1	2462	Sum	91.01	0.41	0.51
NVNT	be20 52+26RU Index 38+4	2412	Sum	90.81	0.42	0.5
NVNT	be20 52+26RU Index 38+4	2437	Sum	90.71	0.42	0.5
NVNT	be20 52+26RU Index 38+4	2462	Sum	90.71	0.42	0.5
NVNT	be20 52+26RU Index 39+7	2412	Sum	90.81	0.42	0.51

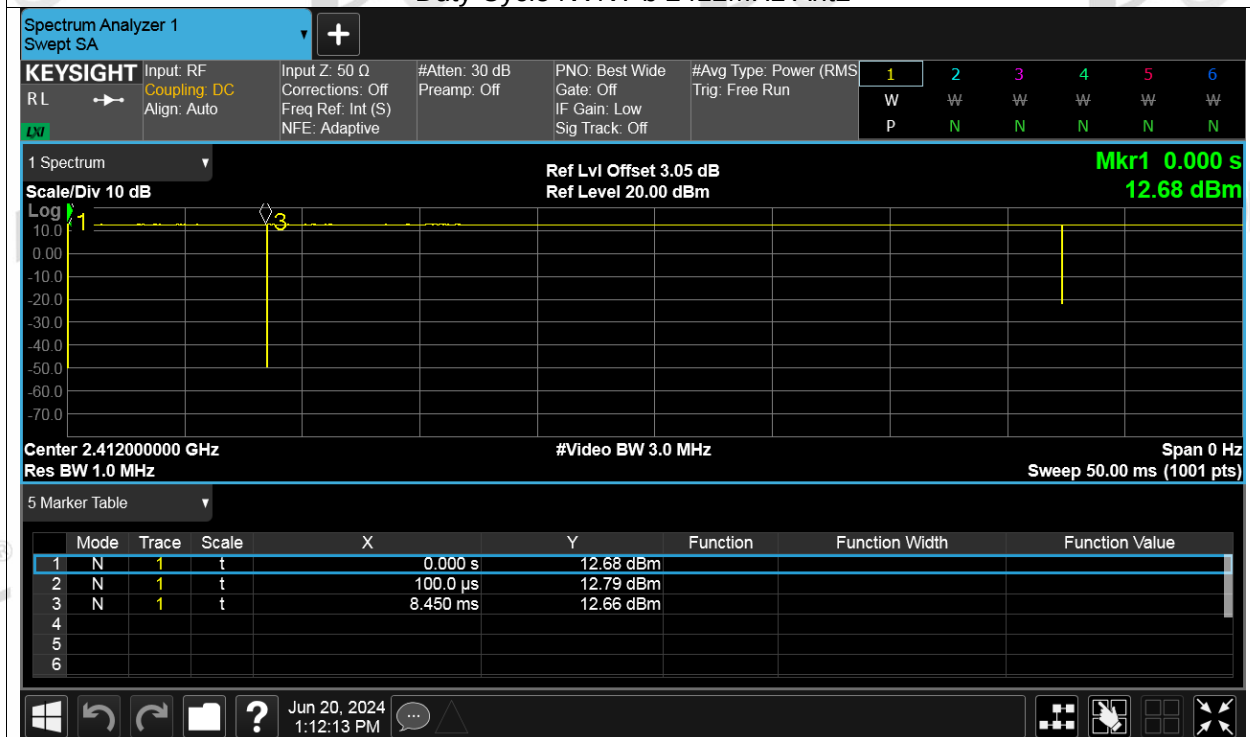
NVNT	be20 52+26RU Index 39+7	2437	Sum	90.91	0.41	0.51
NVNT	be20 52+26RU Index 39+7	2462	Sum	91.31	0.39	0.5
NVNT	be20 106+26RU Index 53+4	2412	Sum	91.01	0.41	0.49
NVNT	be20 106+26RU Index 53+4	2437	Sum	91.01	0.41	0.5
NVNT	be20 106+26RU Index 53+4	2462	Sum	91.01	0.41	0.5
NVNT	be20 106+26RU Index 54+4	2412	Sum	91.11	0.4	0.5
NVNT	be20 106+26RU Index 54+4	2437	Sum	90.11	0.45	0.5
NVNT	be20 106+26RU Index 54+4	2462	Sum	90.81	0.42	0.5
NVNT	be40 106+26RU Index 55+13	2422	Sum	90.11	0.45	0.5
NVNT	be40 106+26RU Index 55+13	2437	Sum	90.21	0.45	0.49
NVNT	be40 106+26RU Index 55+13	2452	Sum	91.31	0.39	0.5
NVNT	be40 106+26RU Index 56+13	2422	Sum	89.21	0.5	0.5
NVNT	be40 106+26RU Index 56+13	2437	Sum	90.91	0.41	0.5
NVNT	be40 106+26RU Index 56+13	2452	Sum	91.11	0.4	0.5

5.5. Test graphs

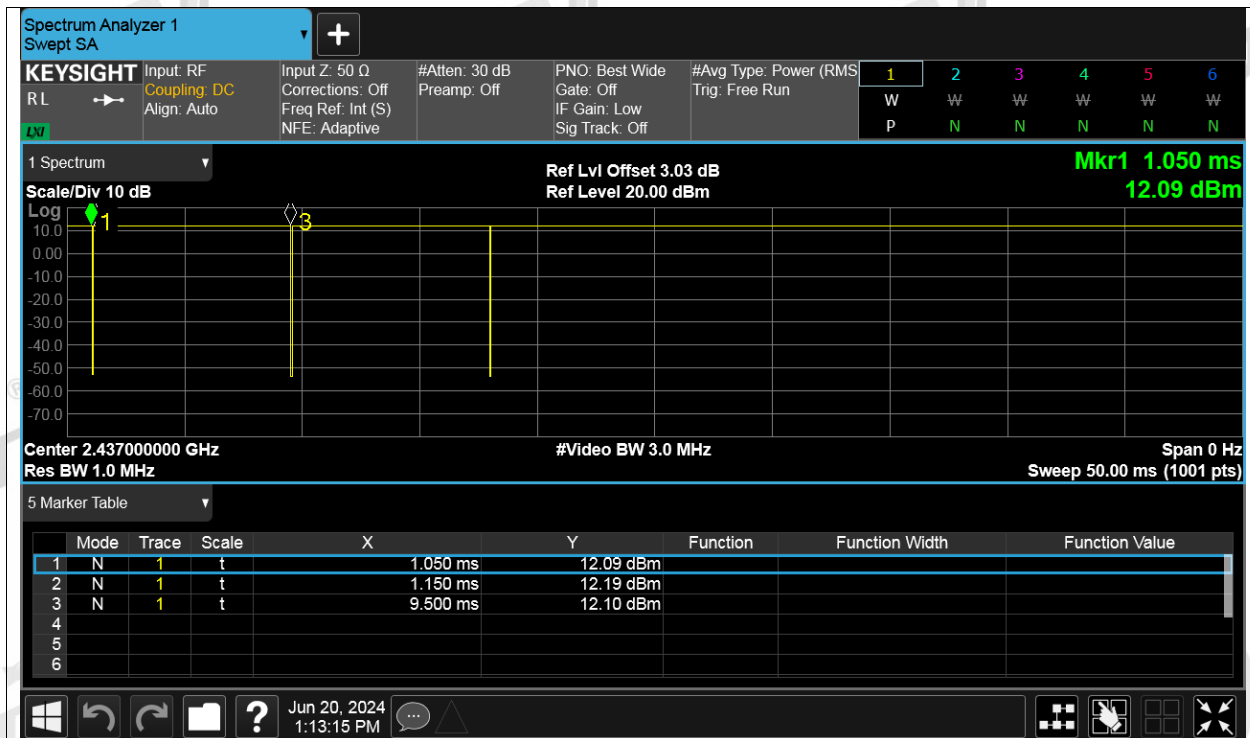




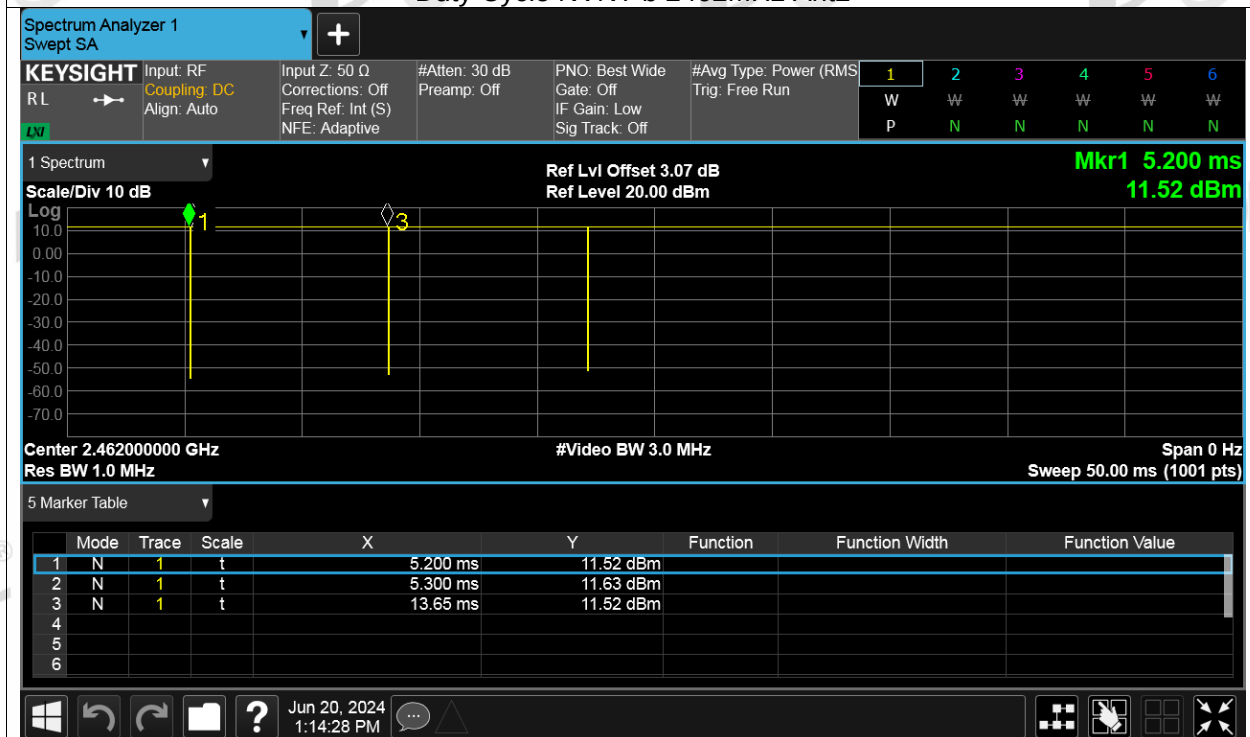
Duty Cycle NVNT b 2412MHz Ant2



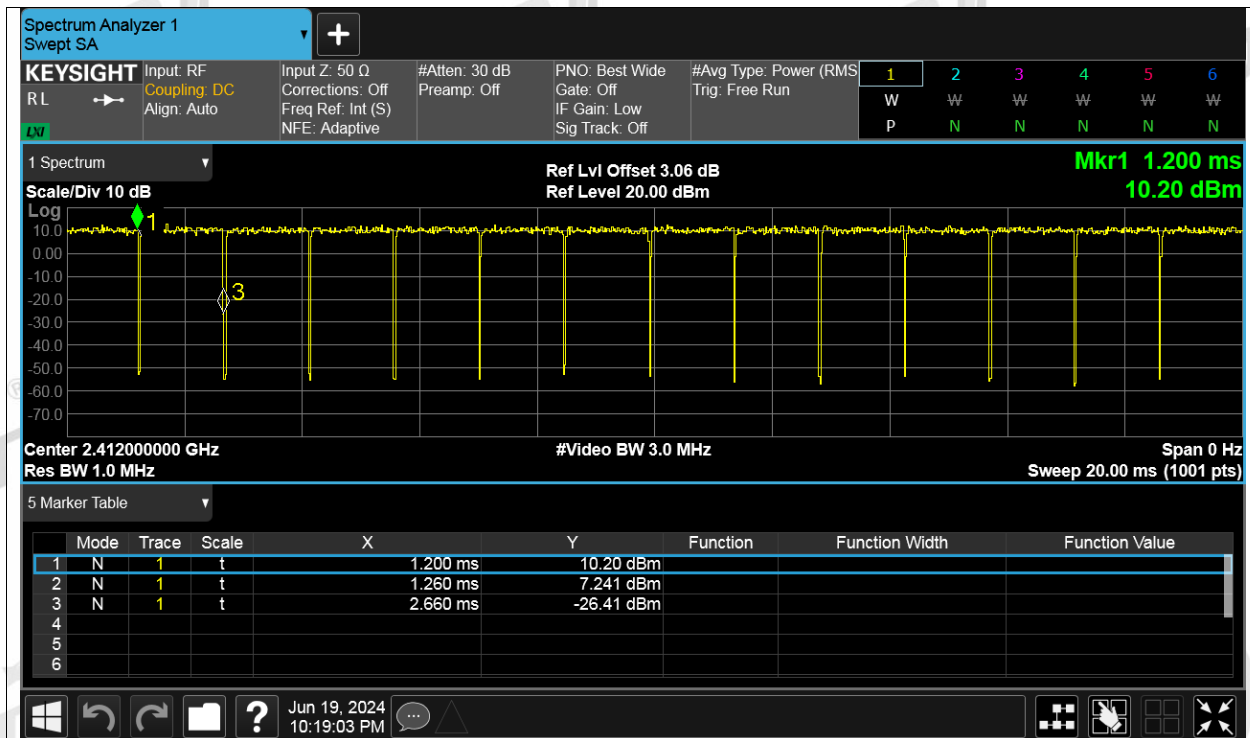
Duty Cycle NVNT b 2437MHz Ant2



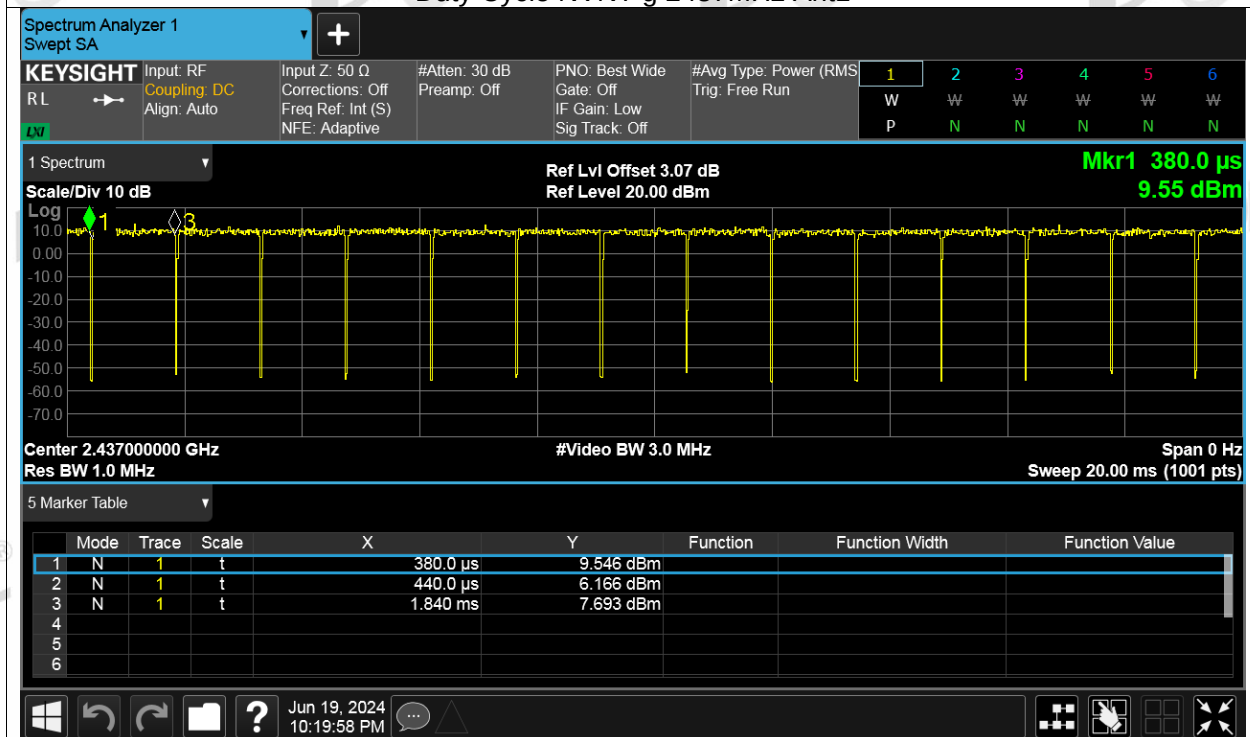
Duty Cycle NVNT b 2462MHz Ant2



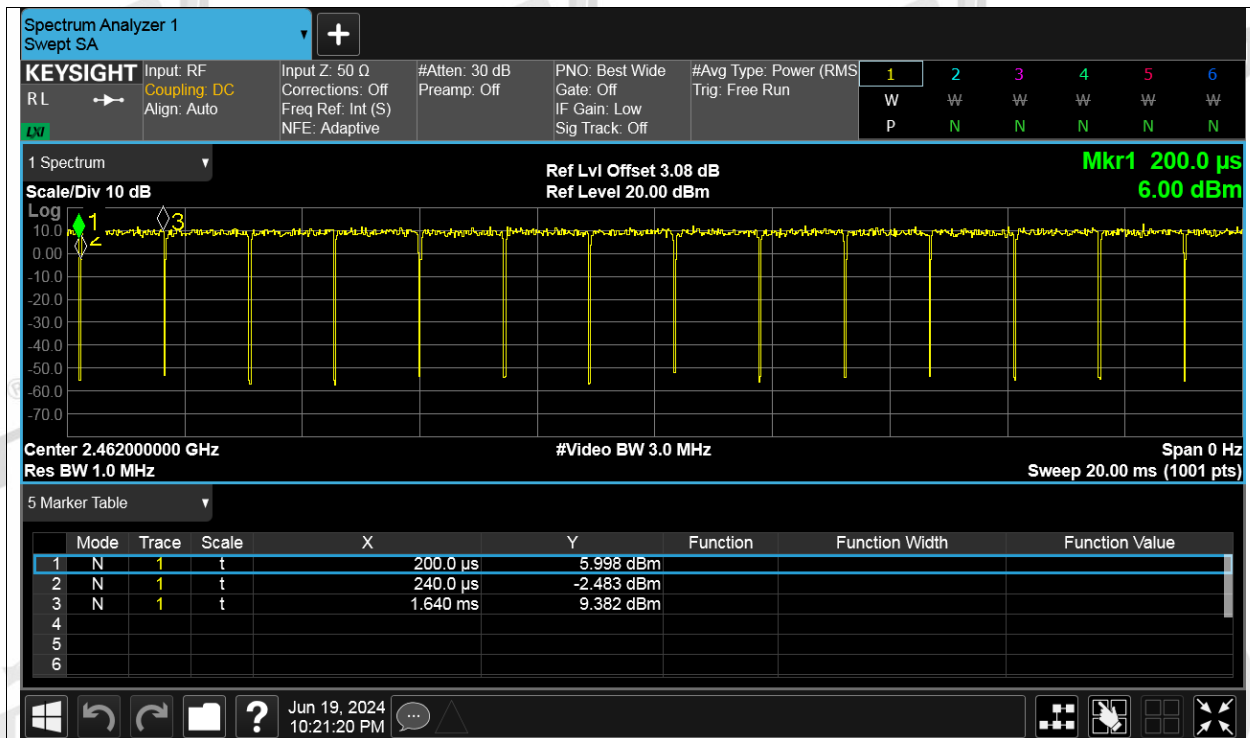
Duty Cycle NVNT g 2412MHz Ant1



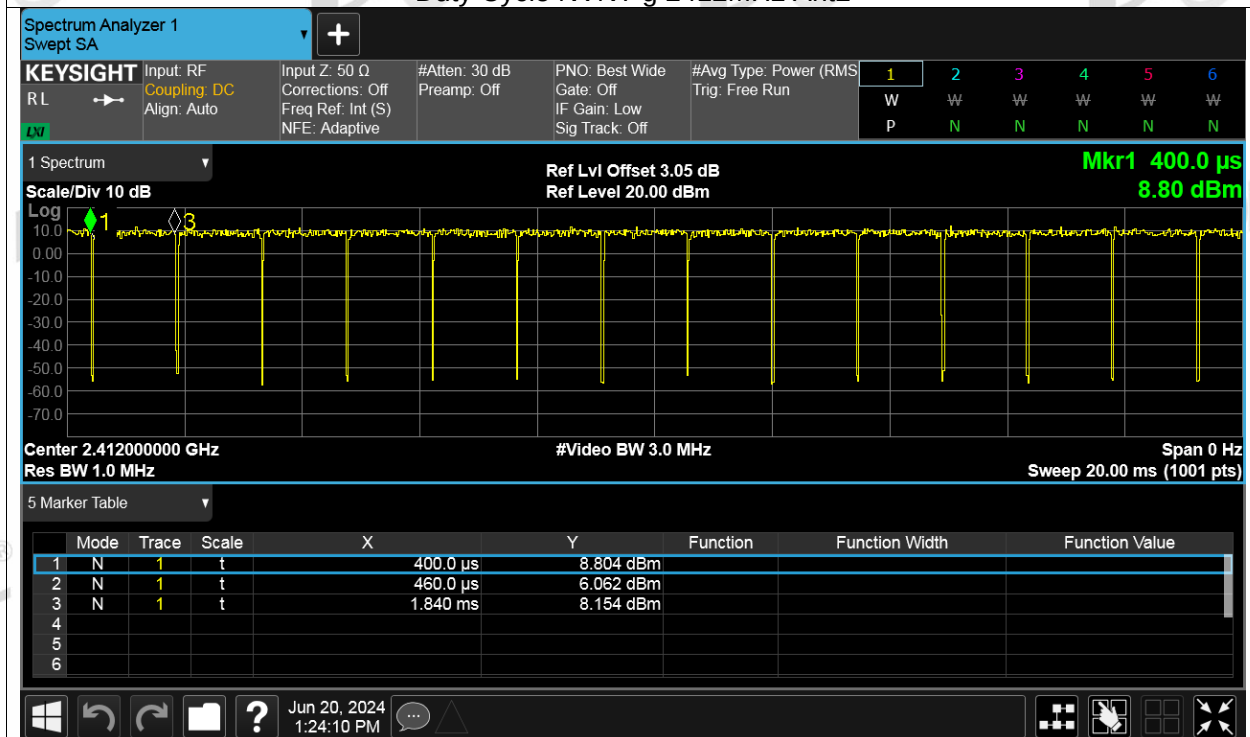
Duty Cycle NVNT g 2437MHz Ant1



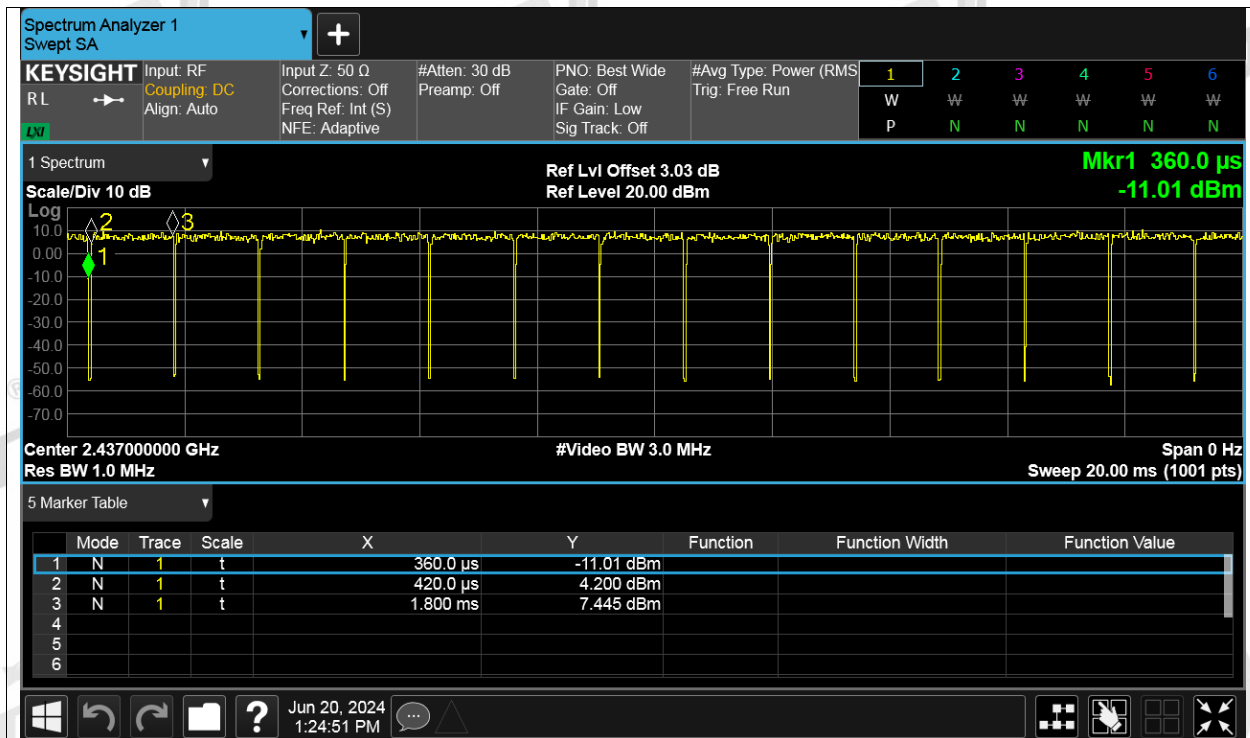
Duty Cycle NVNT g 2462MHz Ant1



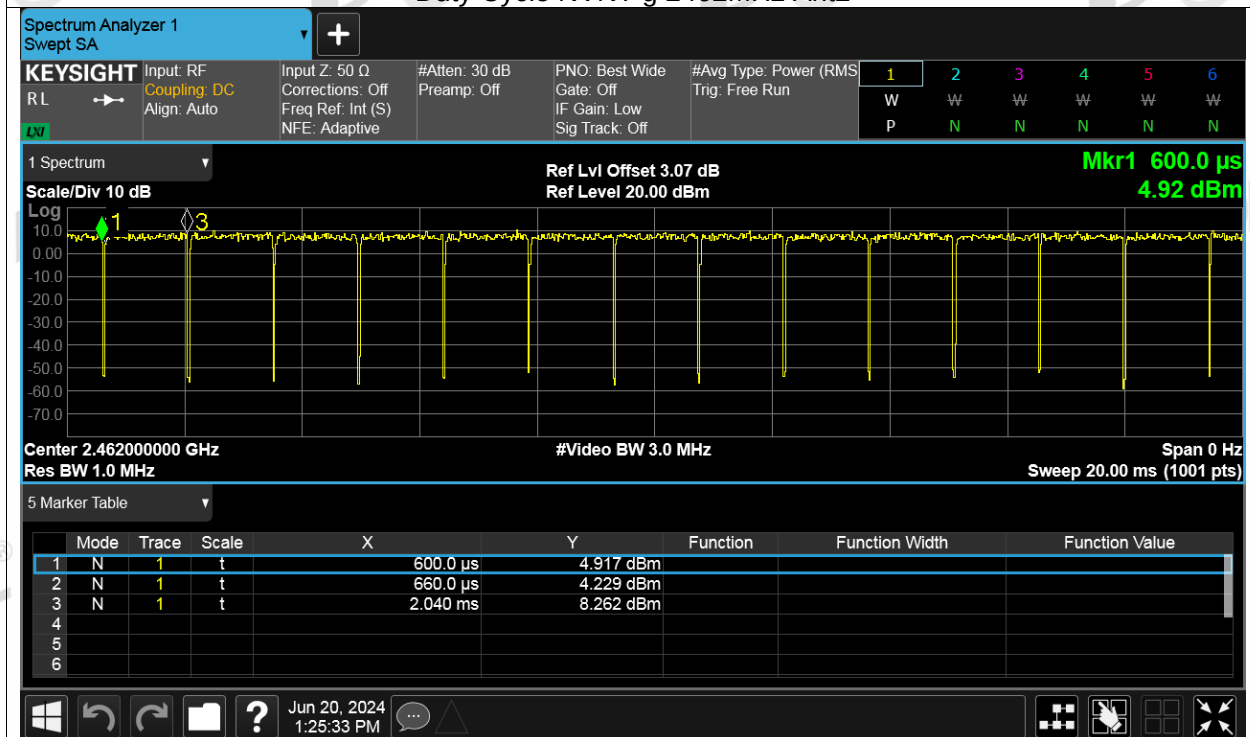
Duty Cycle NVNT g 2412MHz Ant2



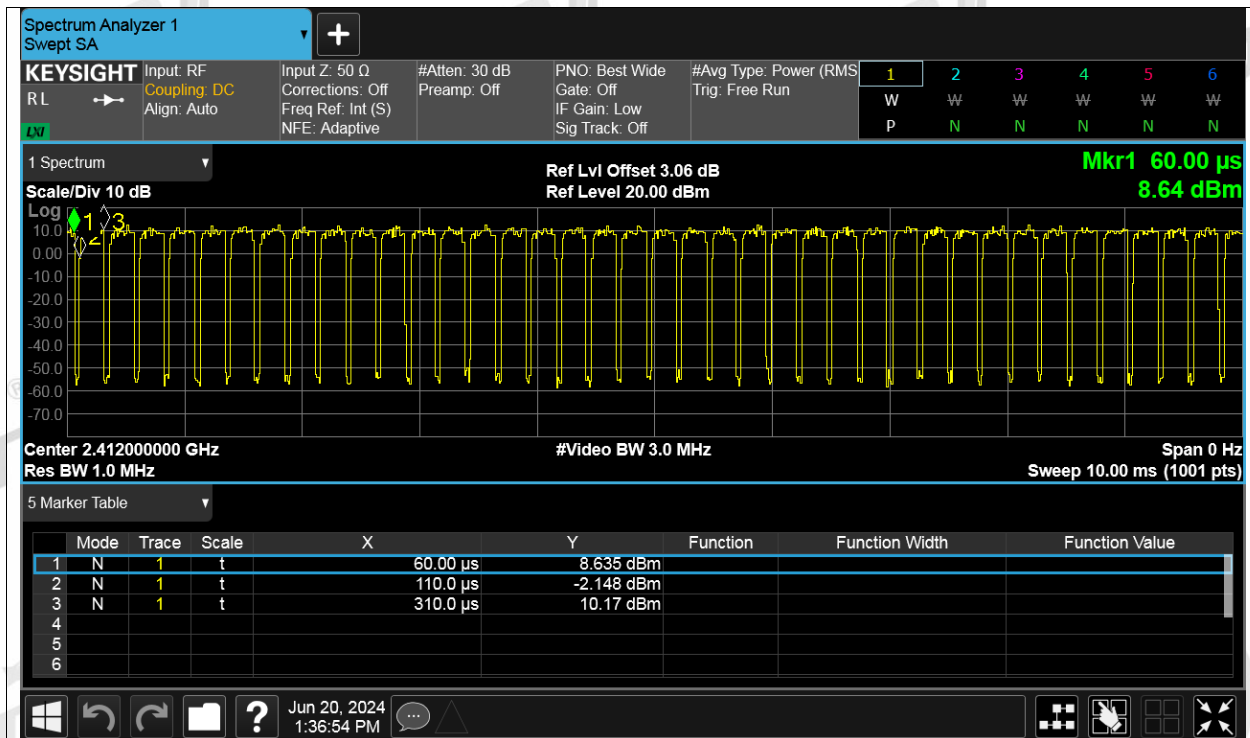
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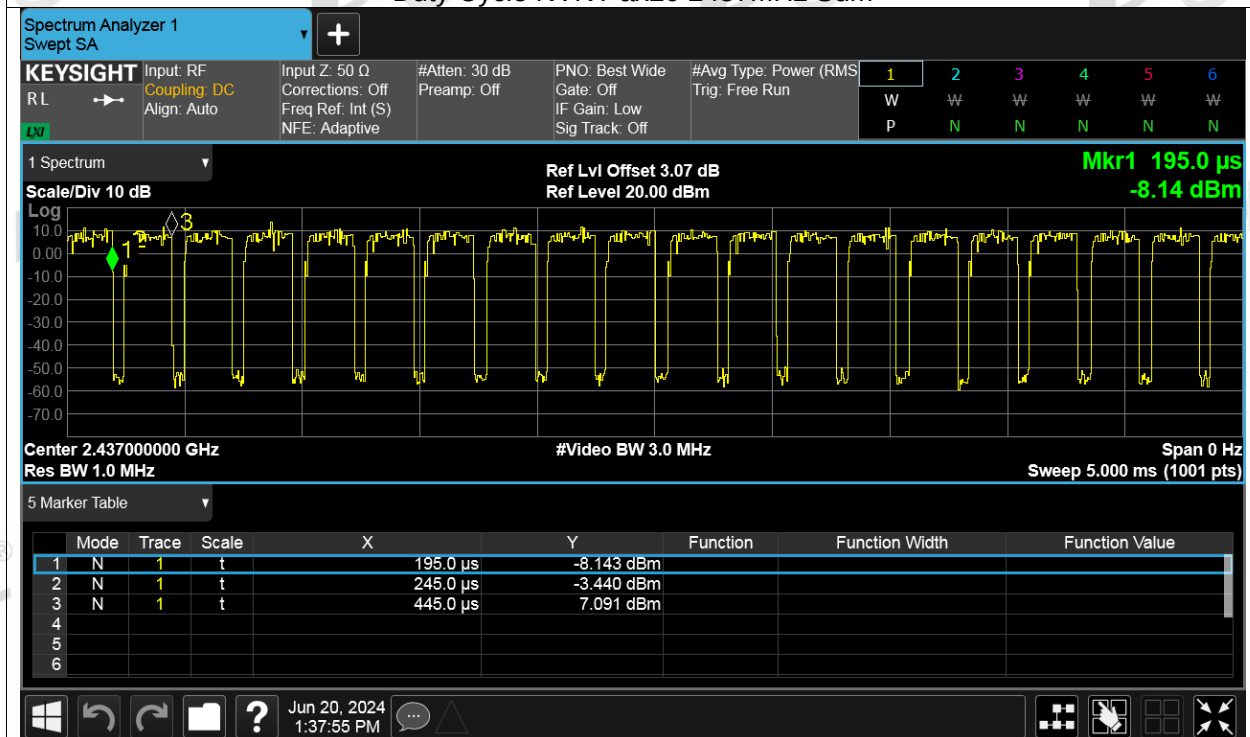
Duty Cycle NVNT g 2462MHz Ant2



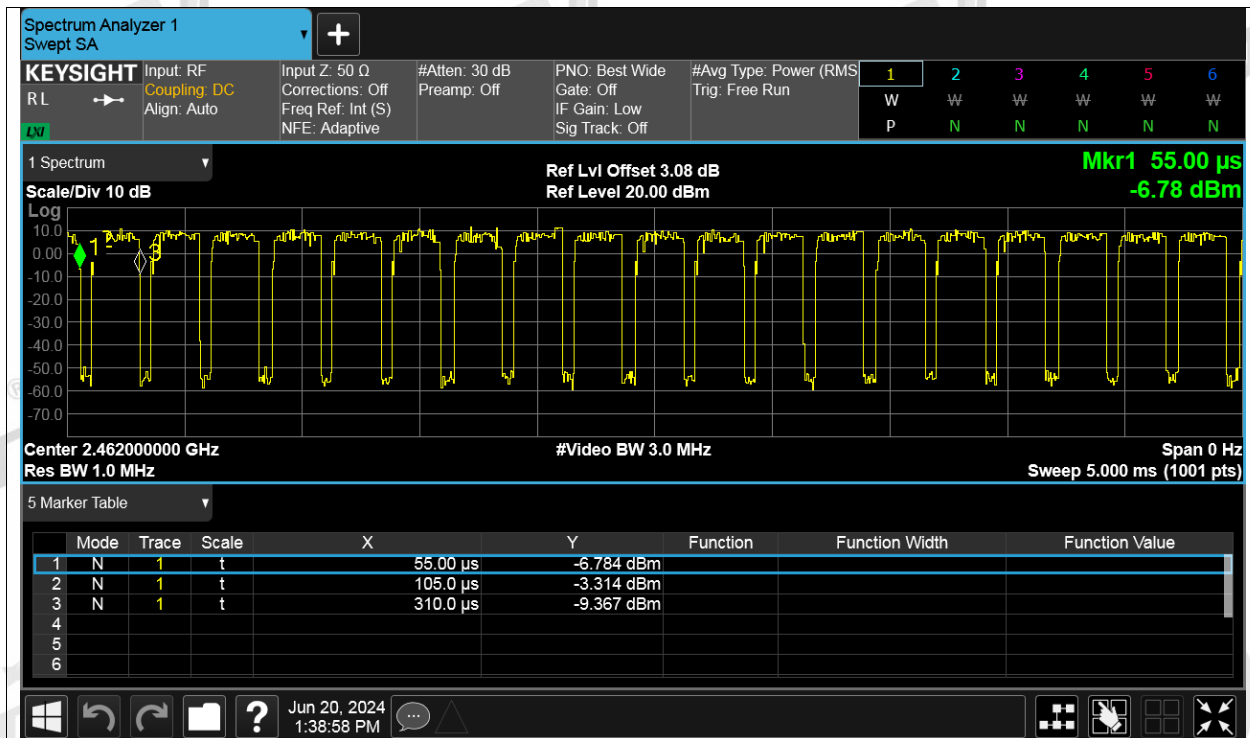
Duty Cycle NVNT ax20 2412MHz Sum



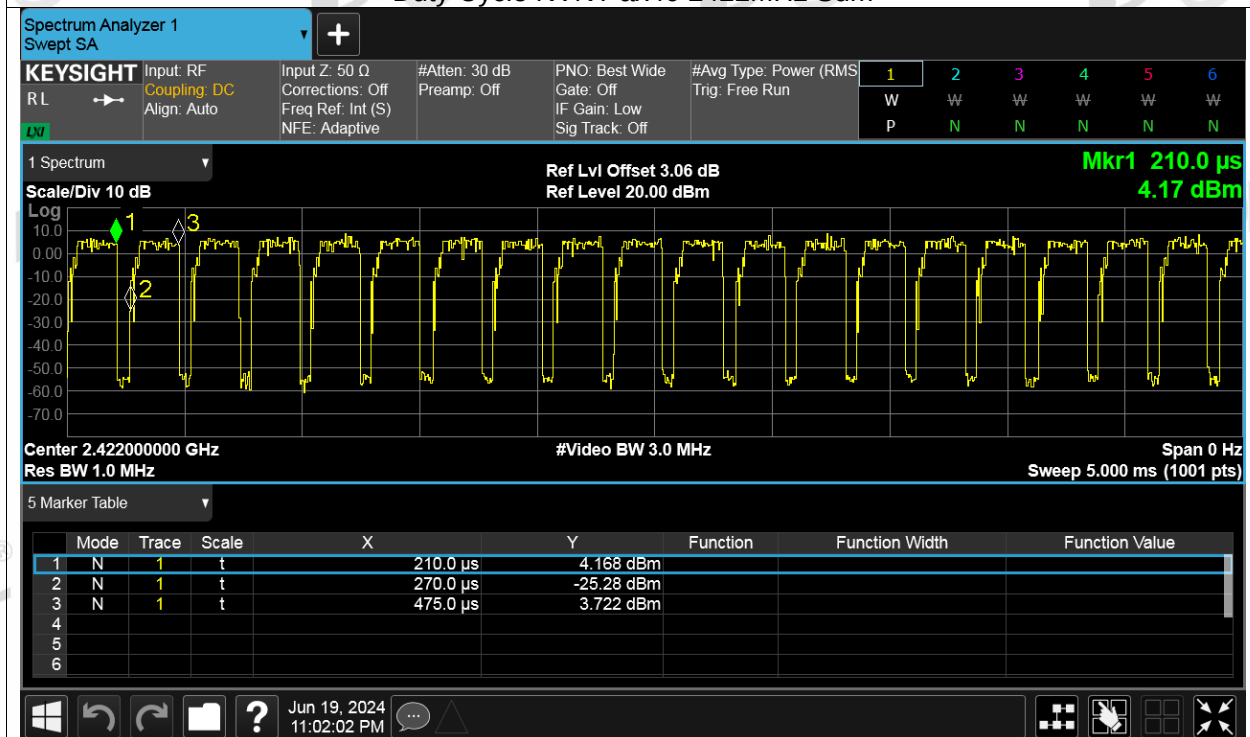
Duty Cycle NVNT ax20 2437MHz Sum



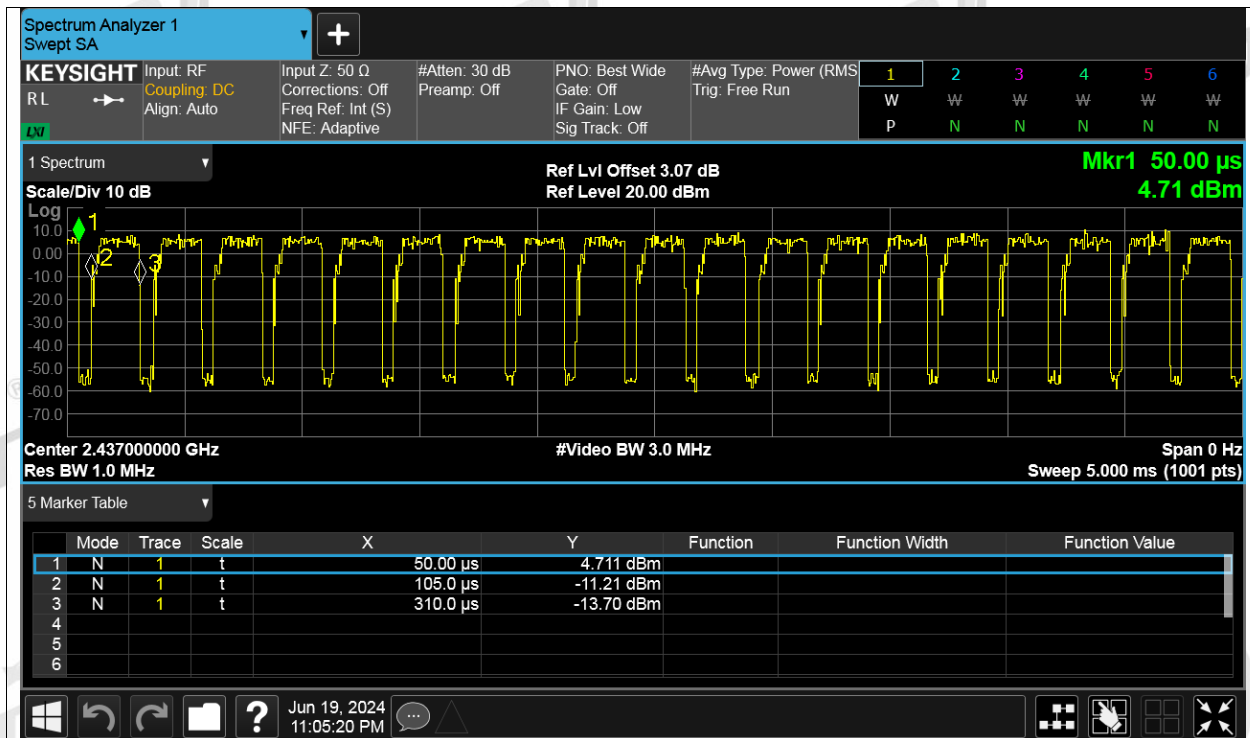
Duty Cycle NVNT ax20 2462MHz Sum



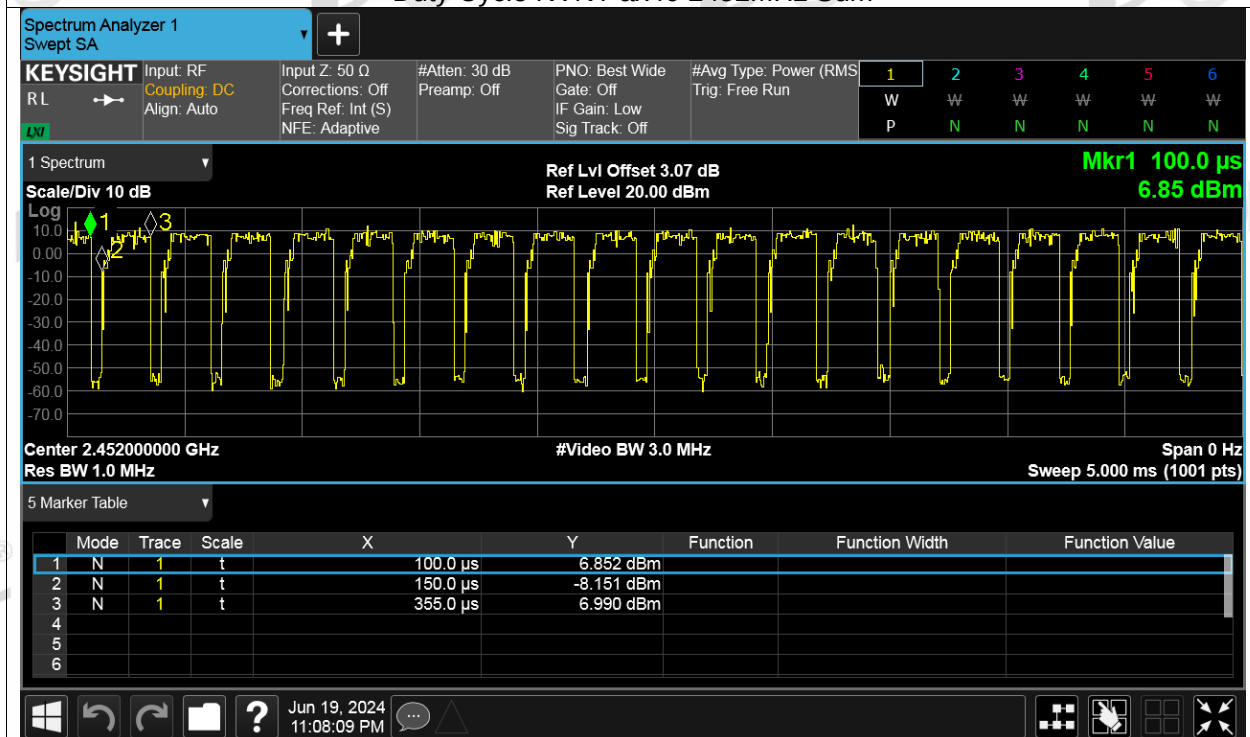
Duty Cycle NVNT ax40 2422MHz Sum



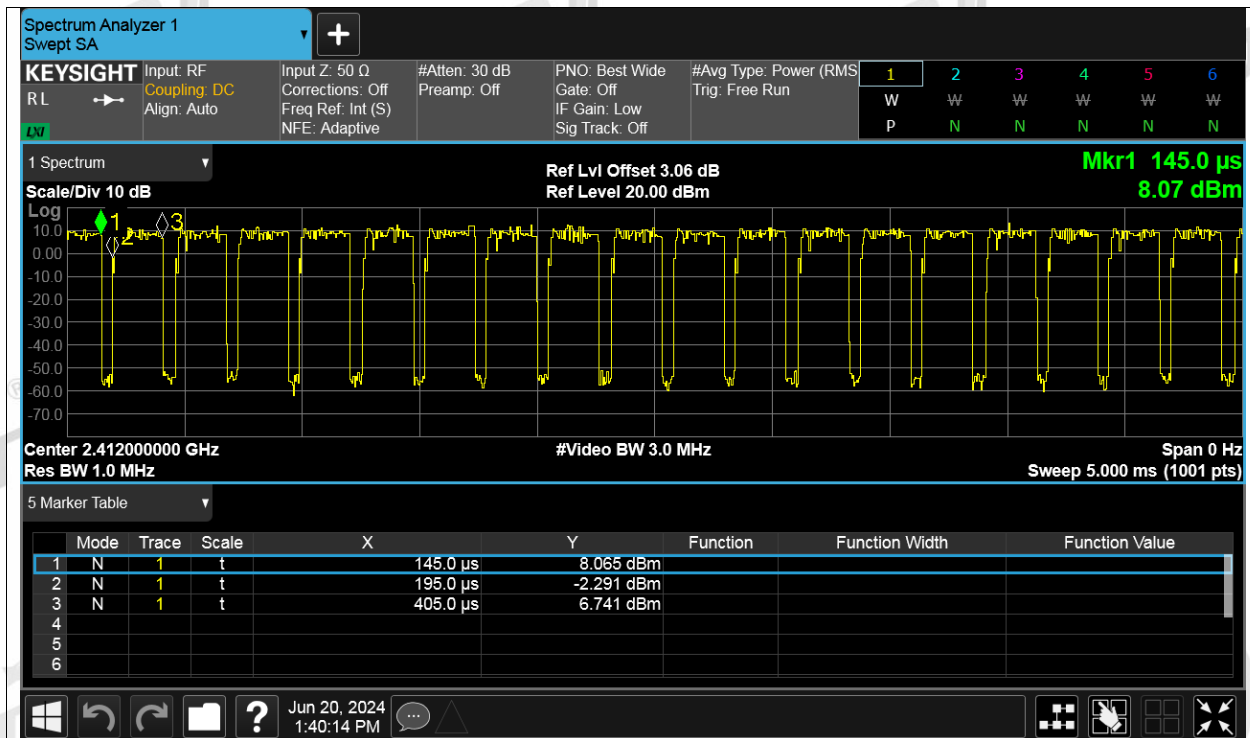
Duty Cycle NVNT ax40 2437MHz Sum



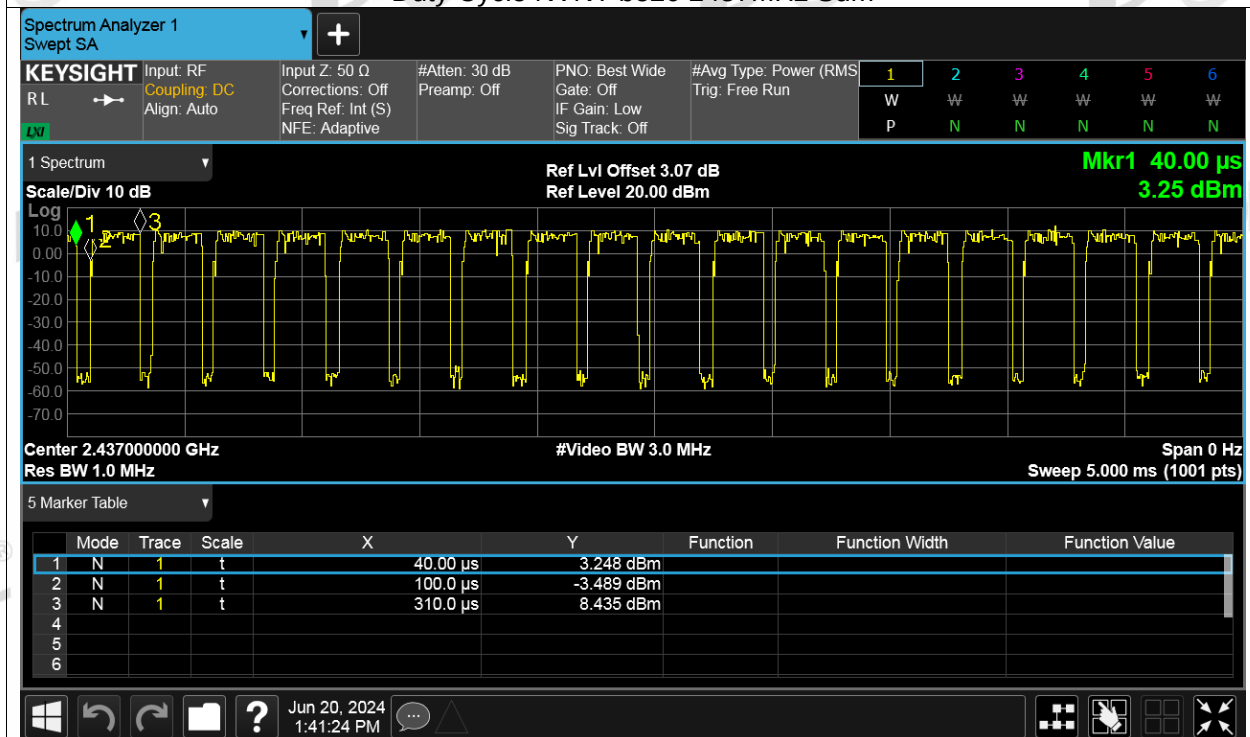
Duty Cycle NVNT ax40 2452MHz Sum



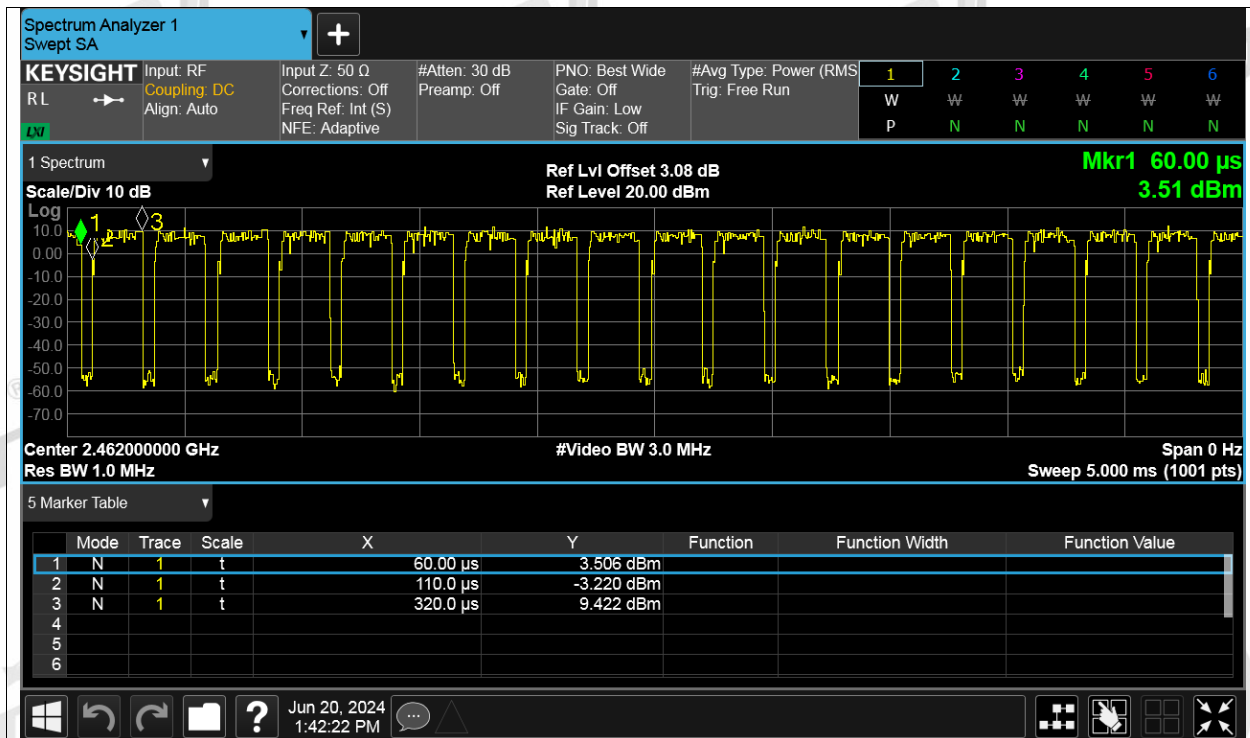
Duty Cycle NVNT be20 2412MHz Sum



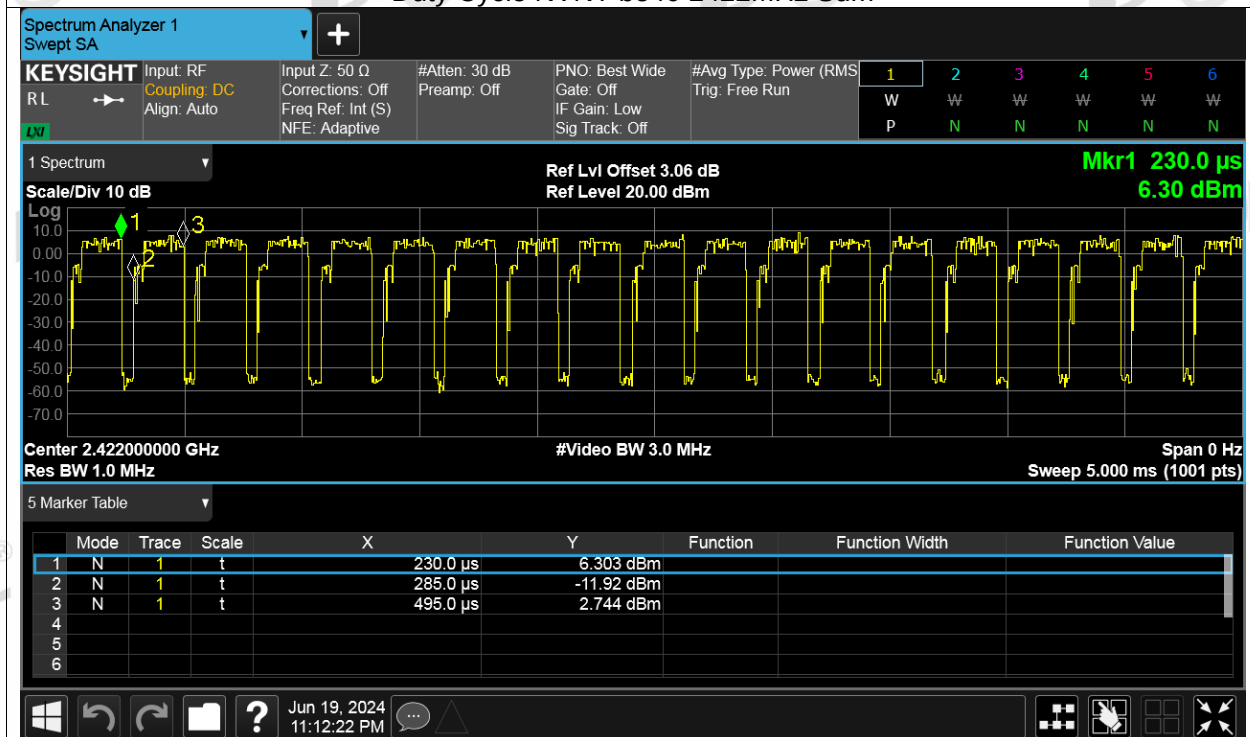
Duty Cycle NVNT be20 2437MHz Sum



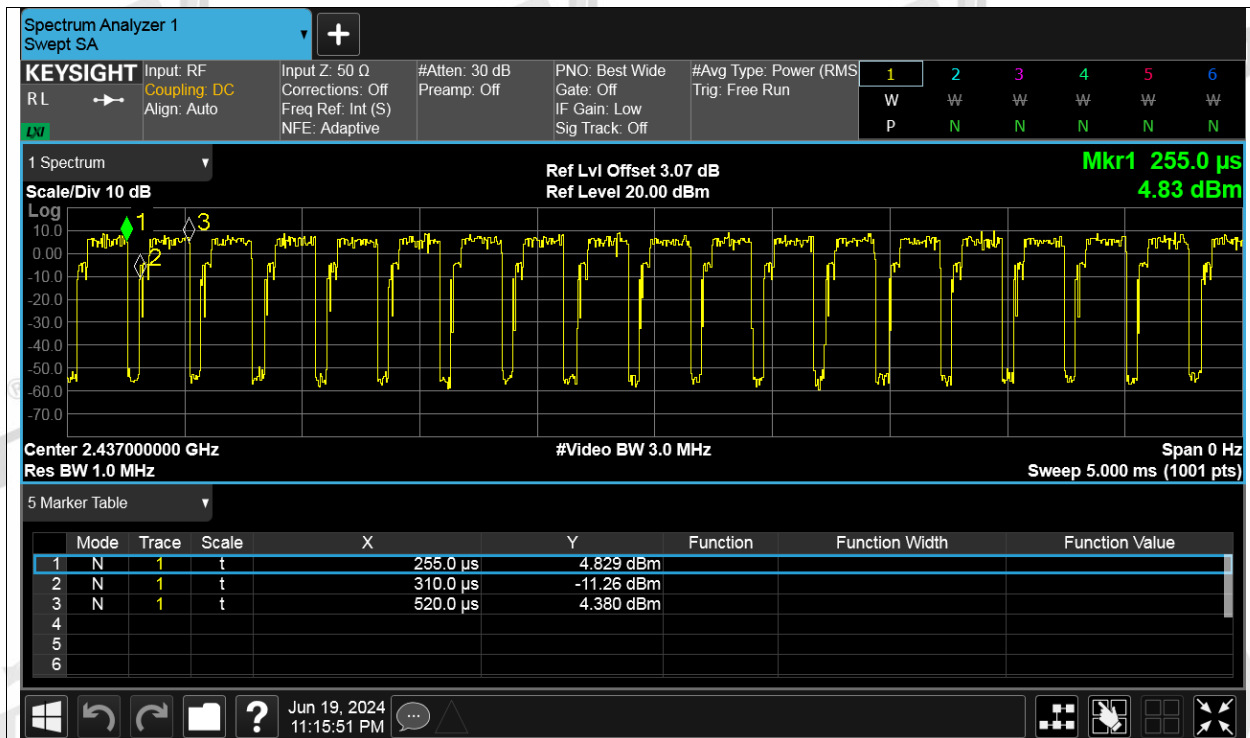
Duty Cycle NVNT be20 2462MHz Sum



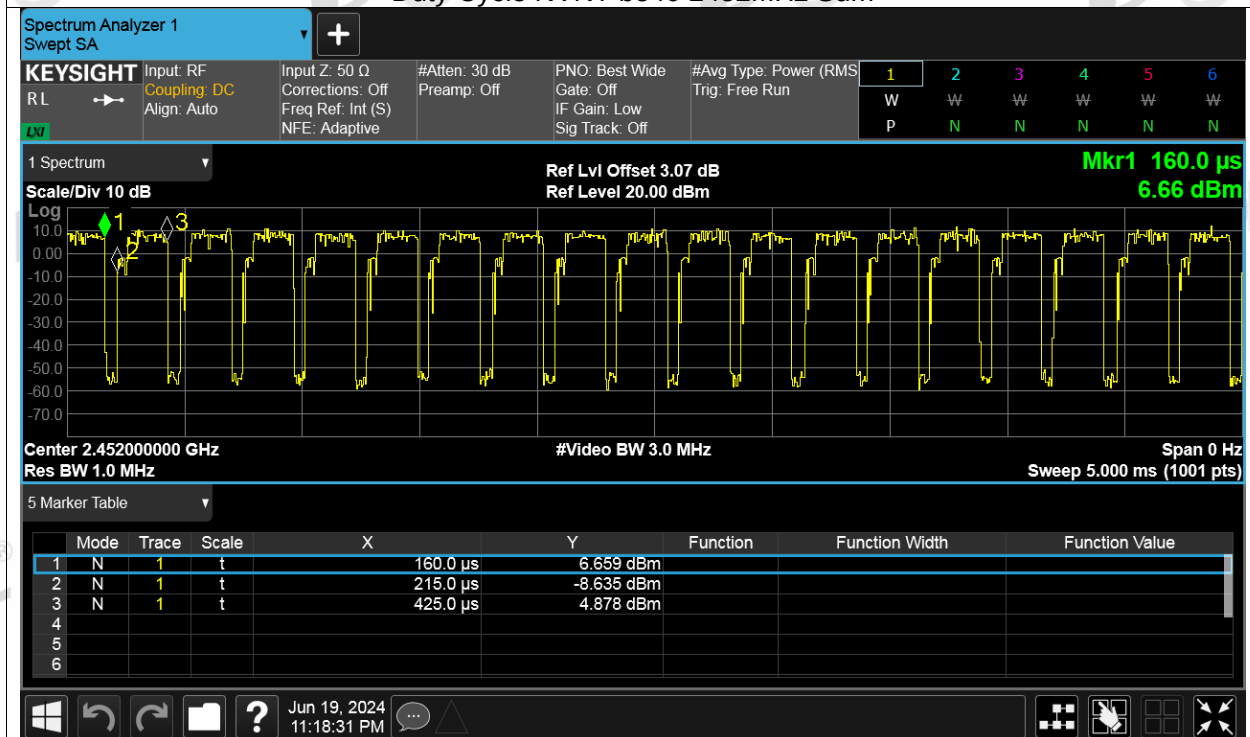
Duty Cycle NVNT be40 2422MHz Sum



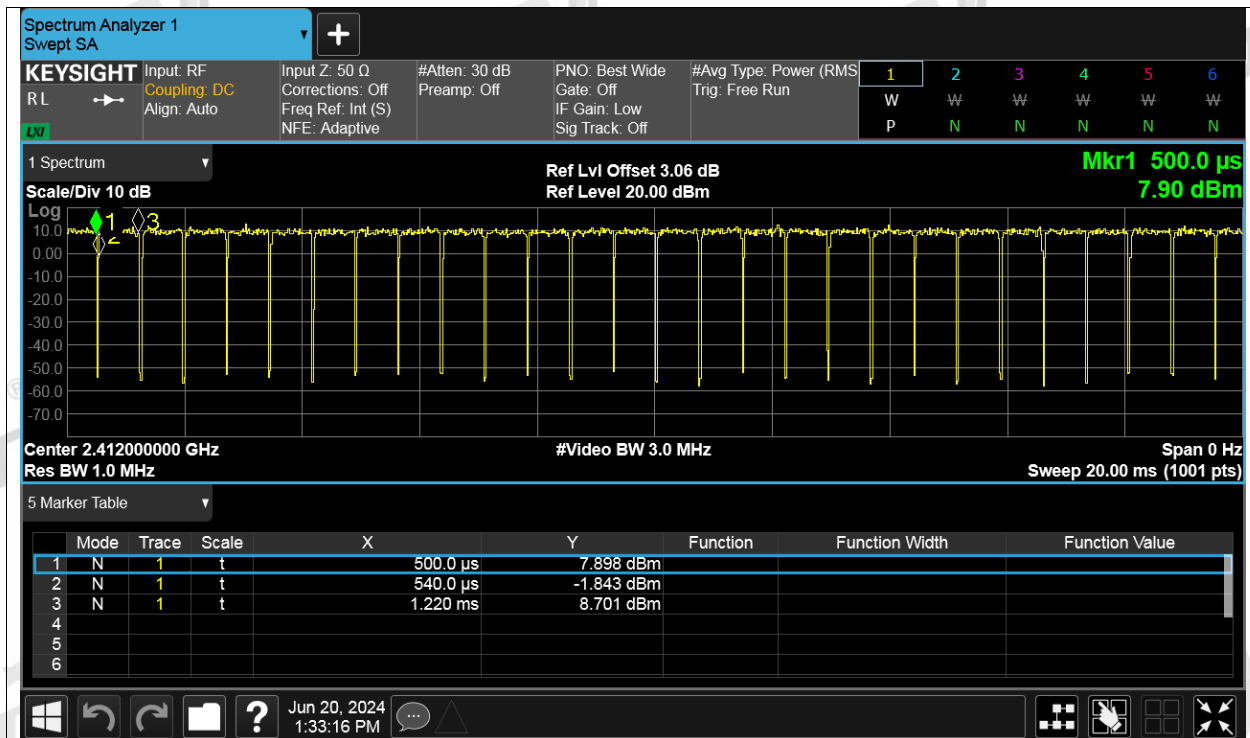
Duty Cycle NVNT be40 2437MHz Sum



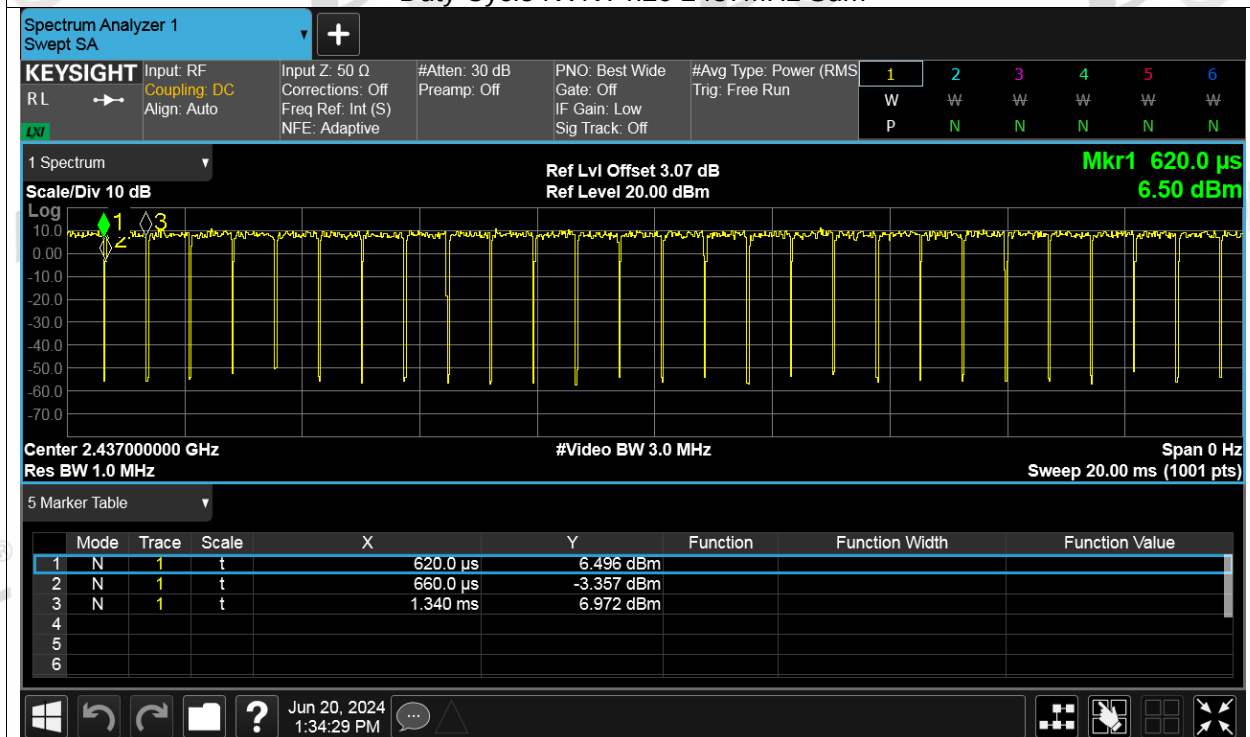
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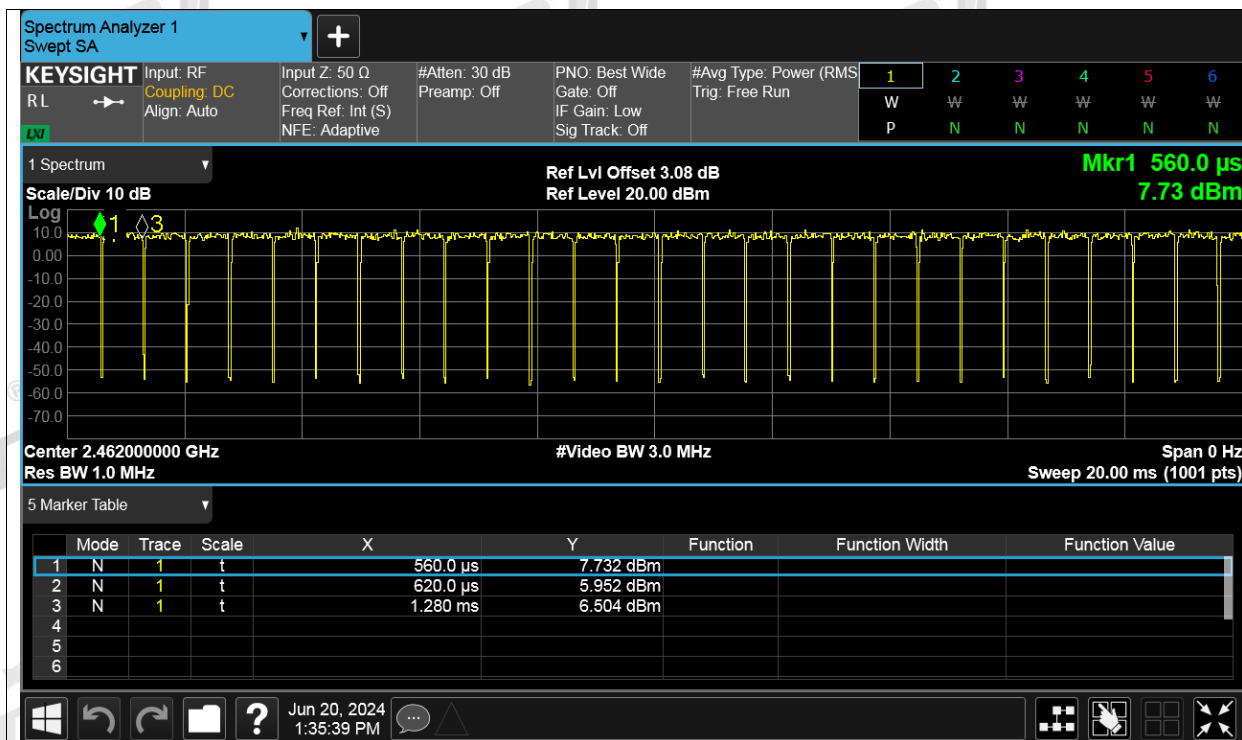
Duty Cycle NVNT n20 2412MHz Sum



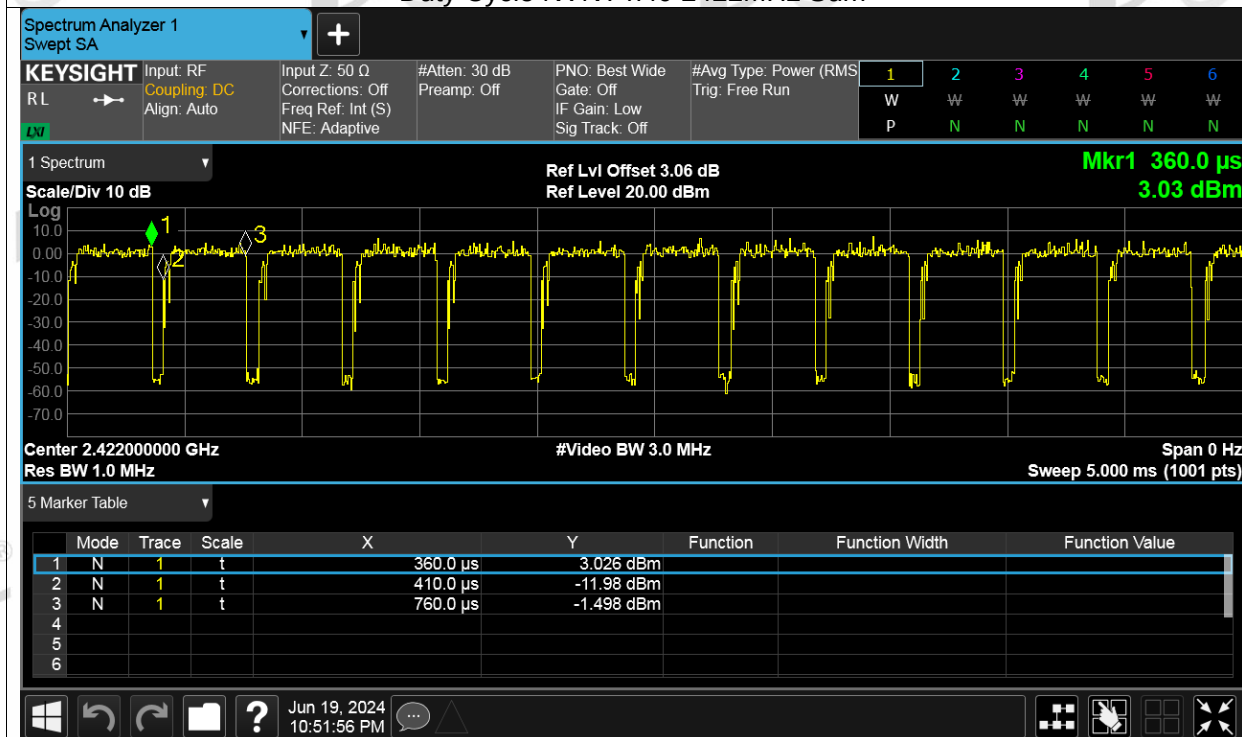
Duty Cycle NVNT n20 2437MHz Sum



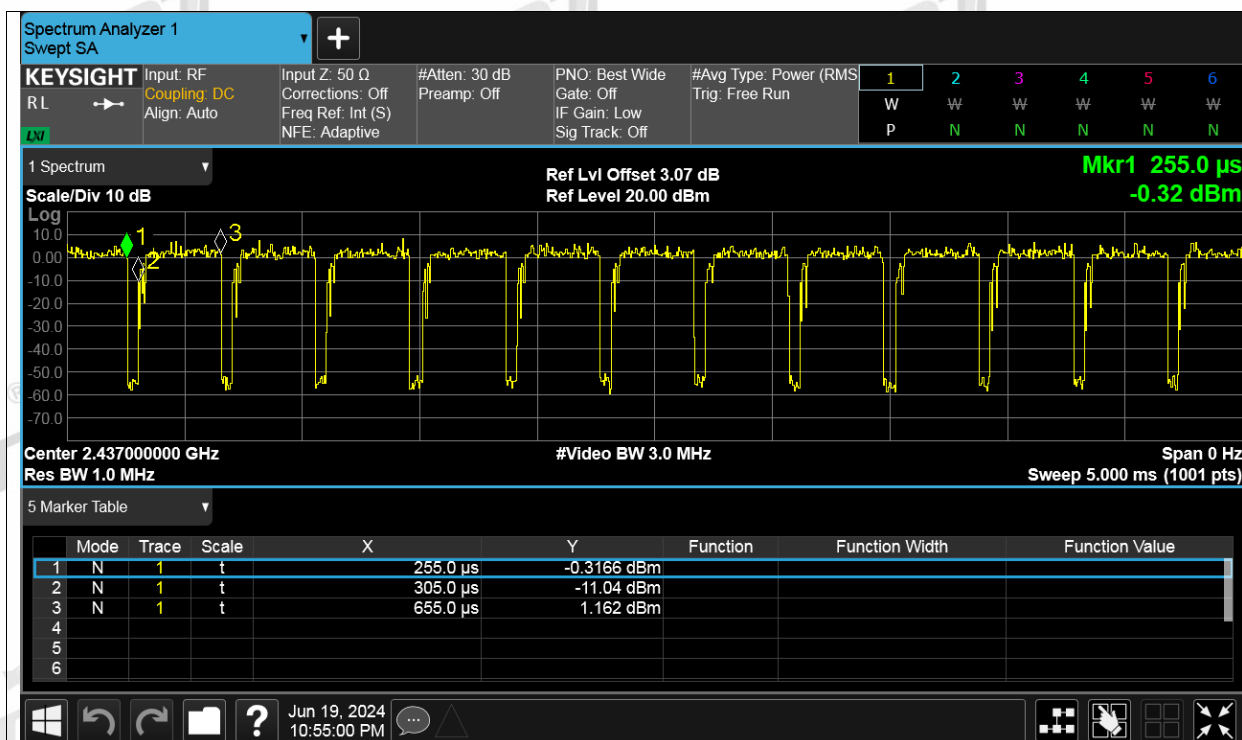
Duty Cycle NVNT n20 2462MHz Sum



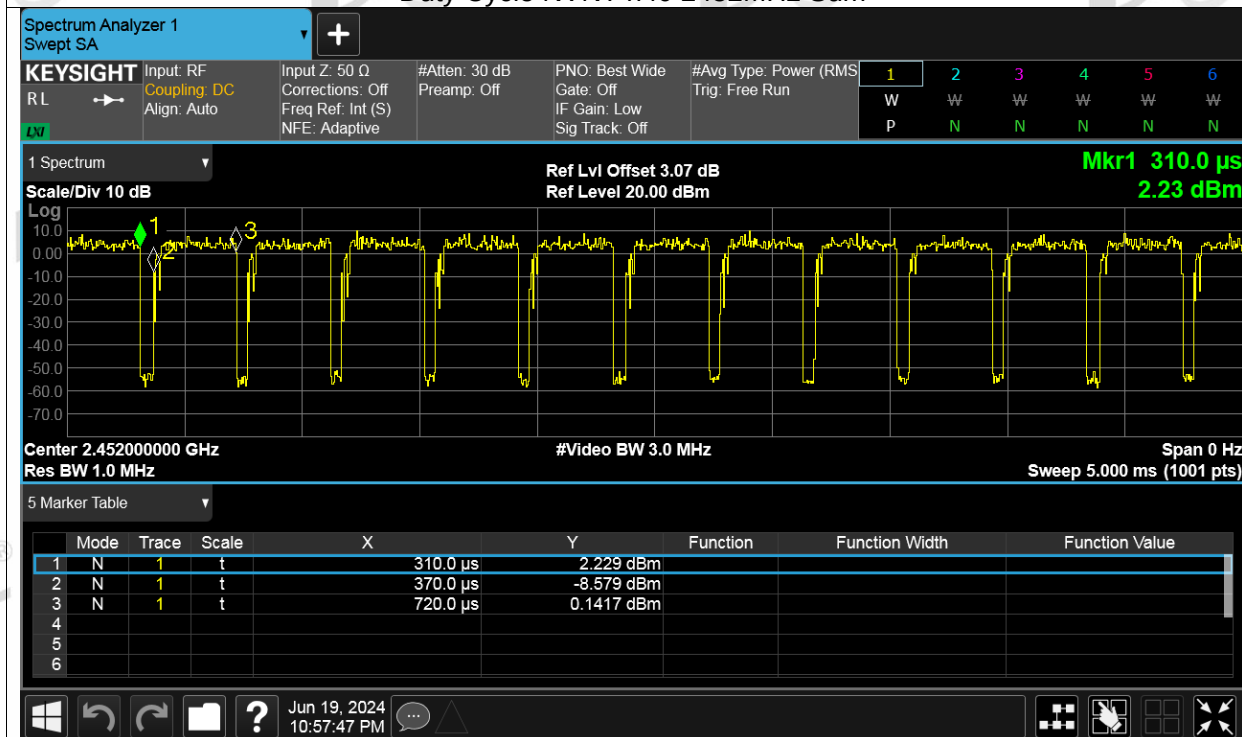
Duty Cycle NVNT n40 2422MHz Sum



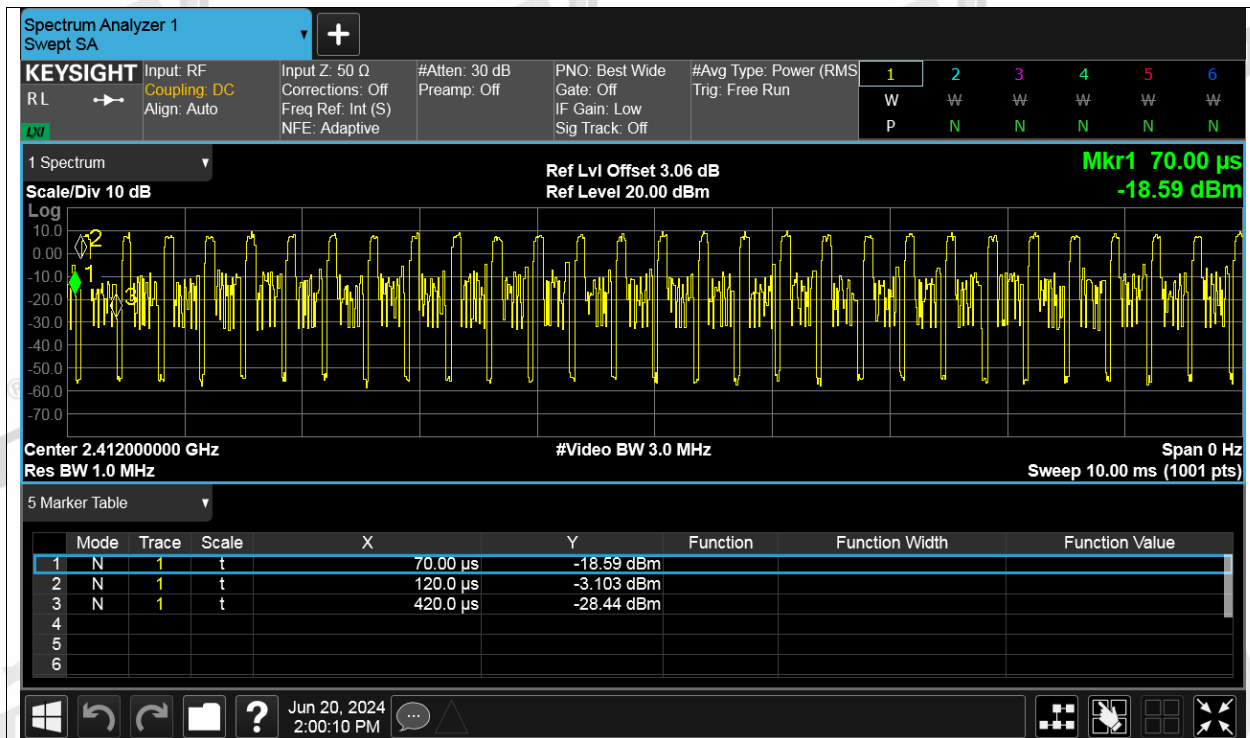
Duty Cycle NVNT n40 2437MHz Sum



Duty Cycle NVNT n40 2452MHz Sum



Duty Cycle NVNT ax20 26RU Index 0 2412MHz Sum



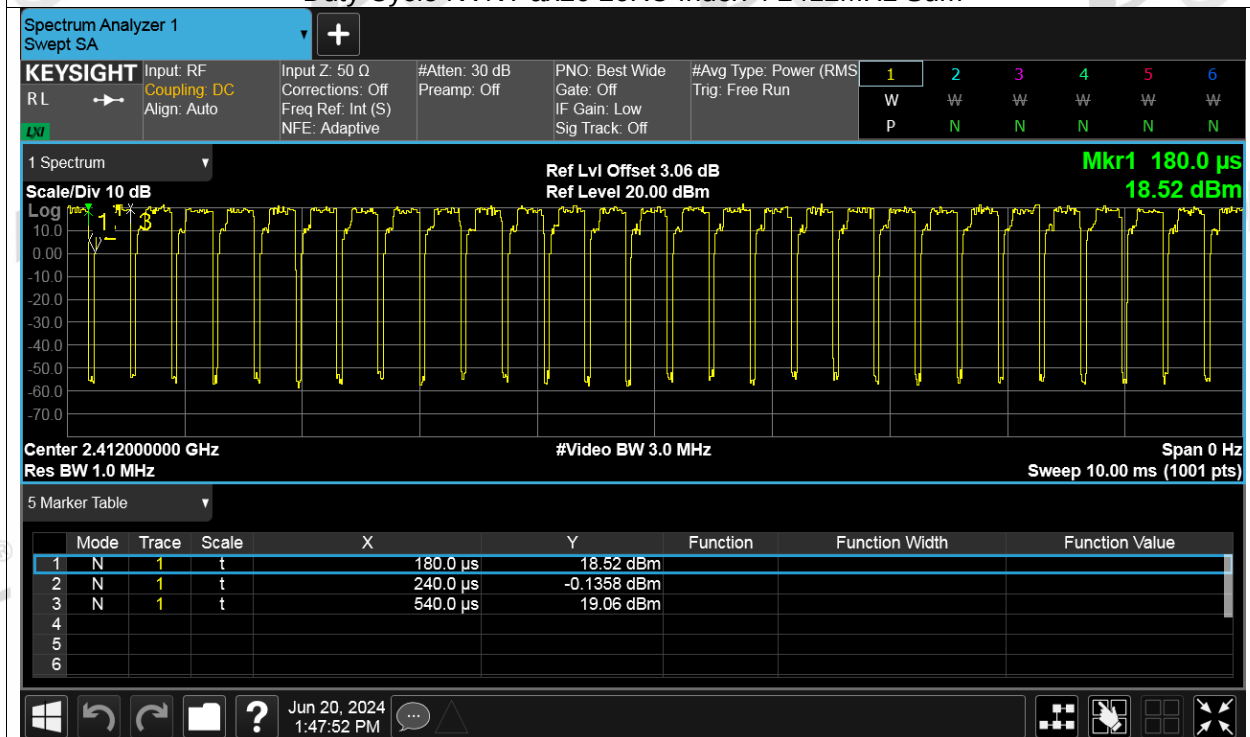
Duty Cycle NVNT ax20 26RU Index 0 2437MHz Sum



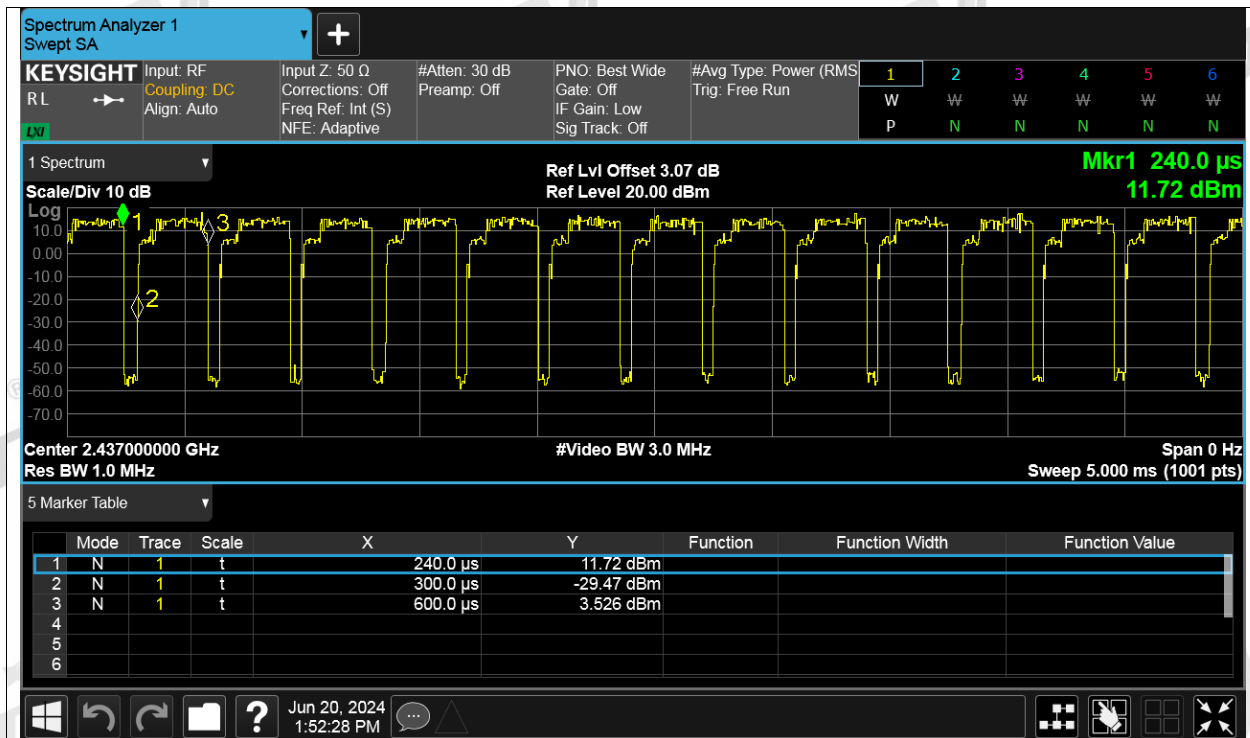
Duty Cycle NVNT ax20 26RU Index 0 2462MHz Sum



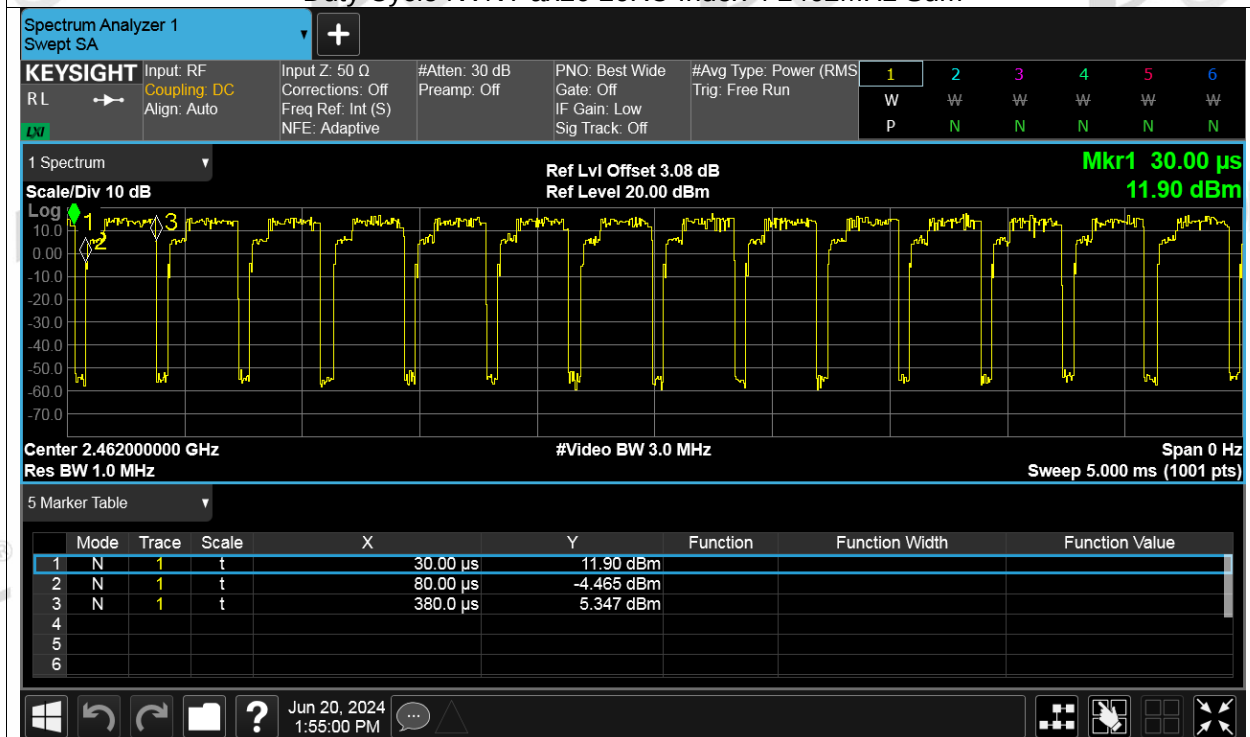
Duty Cycle NVNT ax20 26RU Index 4 2412MHz Sum



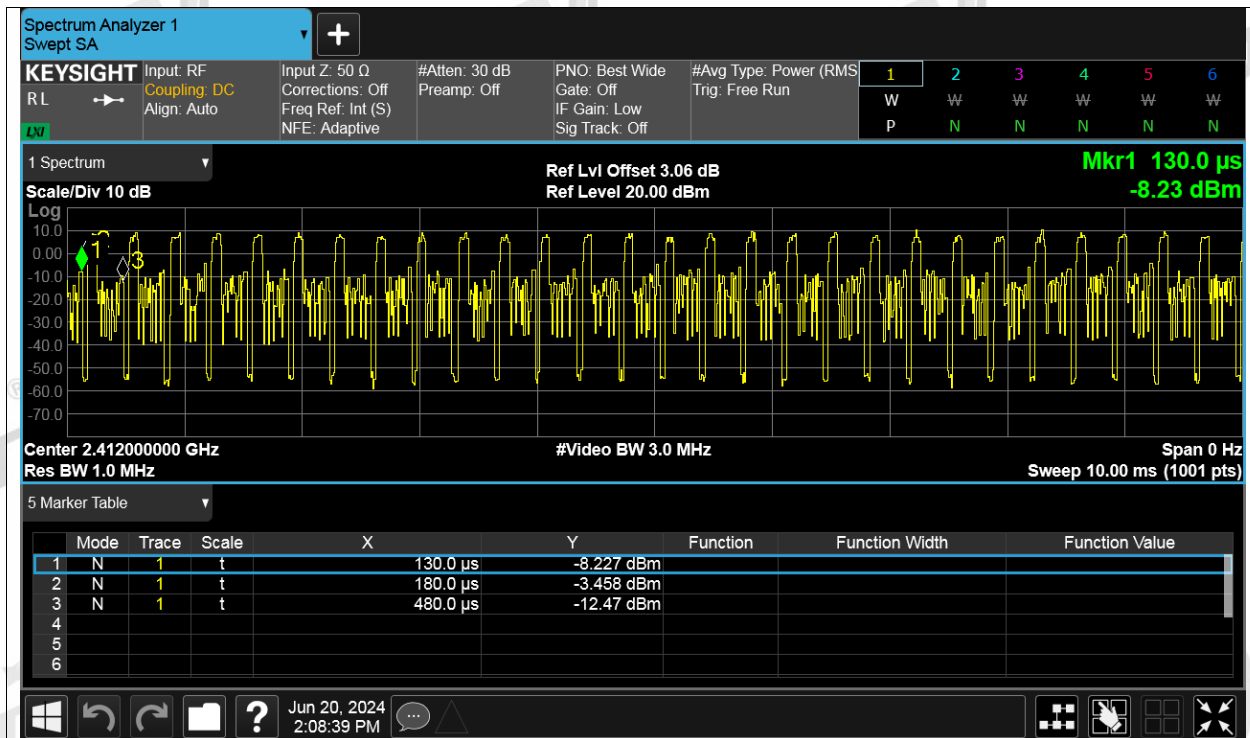
Duty Cycle NVNT ax20 26RU Index 4 2437MHz Sum



Duty Cycle NVNT ax20 26RU Index 4 2462MHz Sum



Duty Cycle NVNT ax20 26RU Index 8 2412MHz Sum



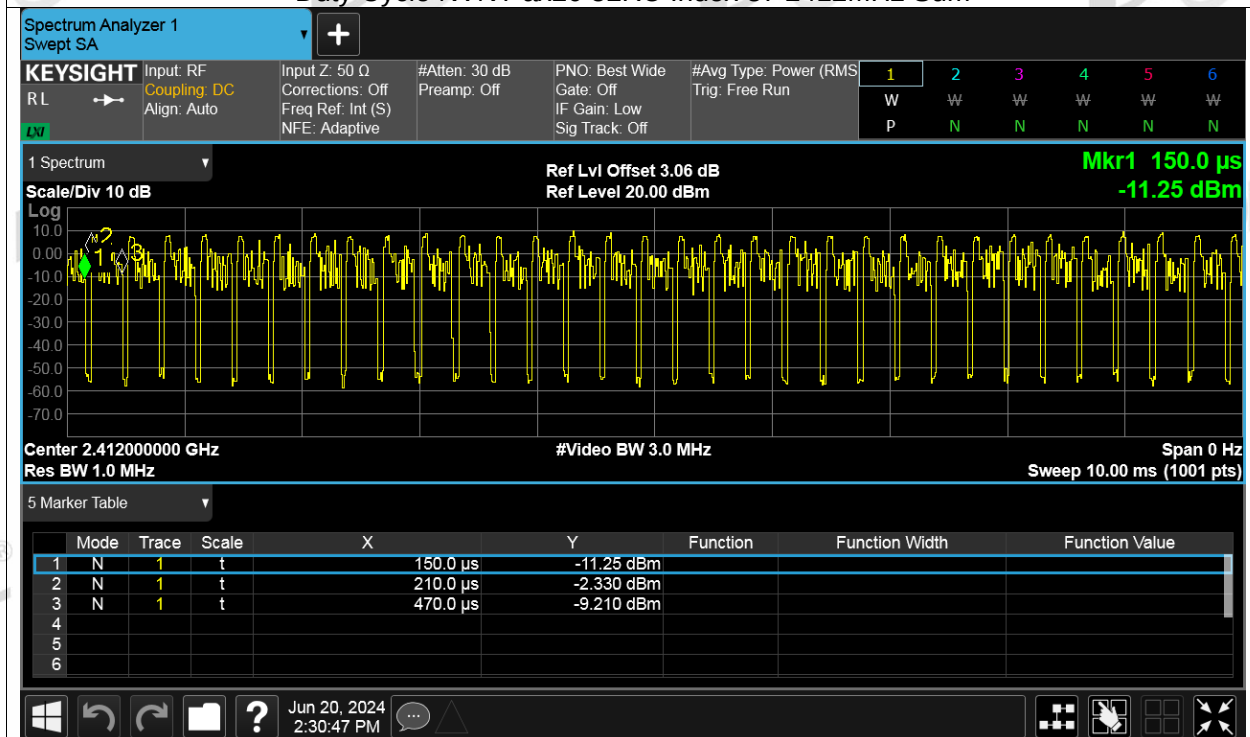
Duty Cycle NVNT ax20 26RU Index 8 2437MHz Sum



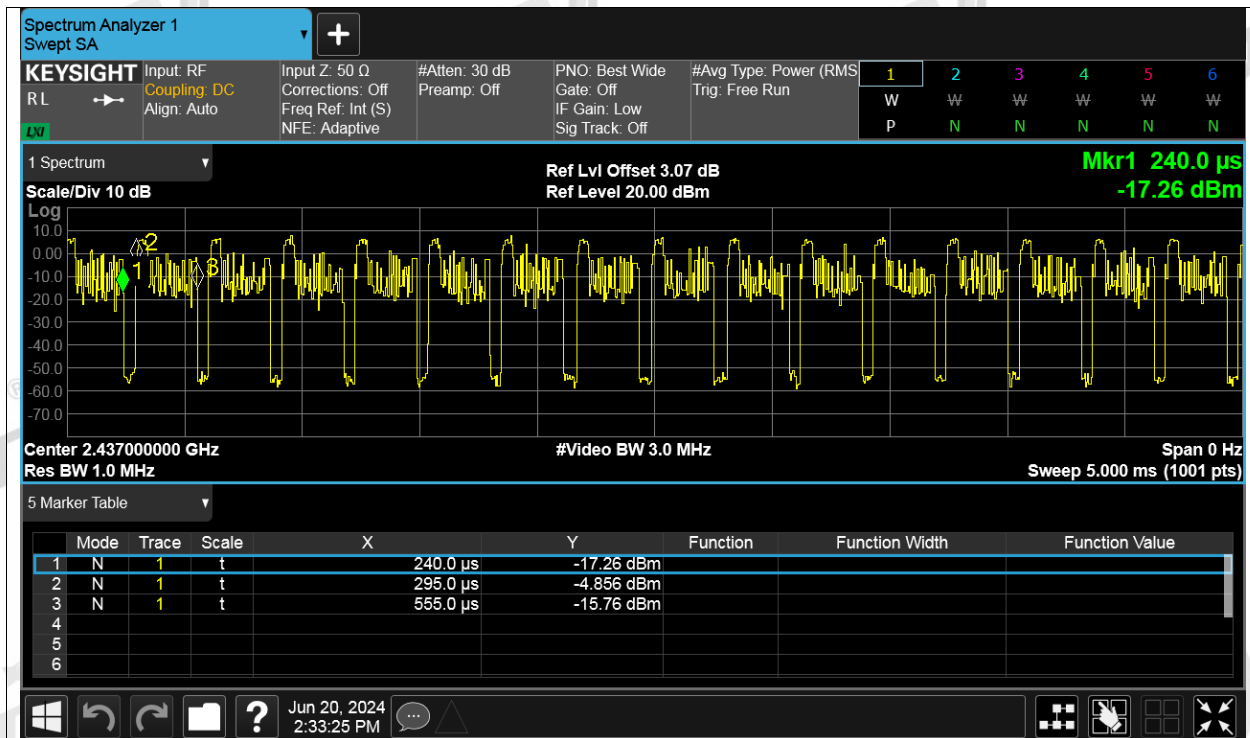
Duty Cycle NVNT ax20 26RU Index 8 2462MHz Sum



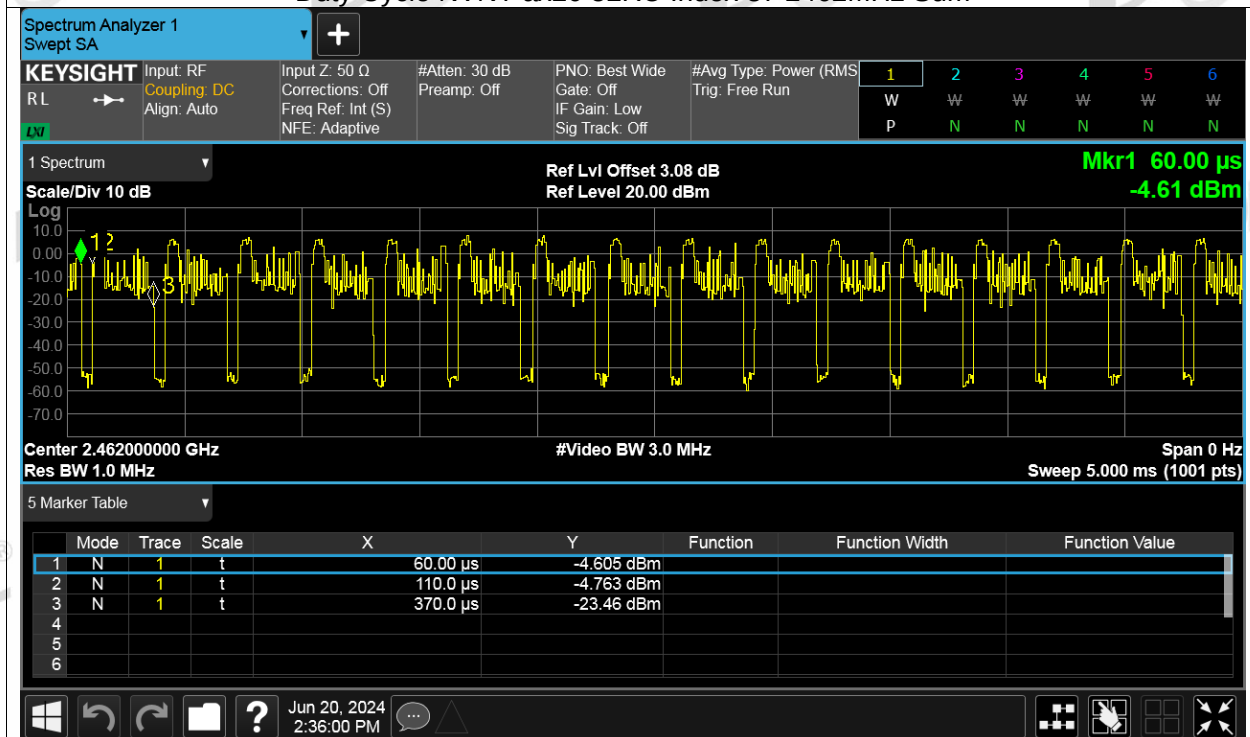
Duty Cycle NVNT ax20 52RU Index 37 2412MHz Sum



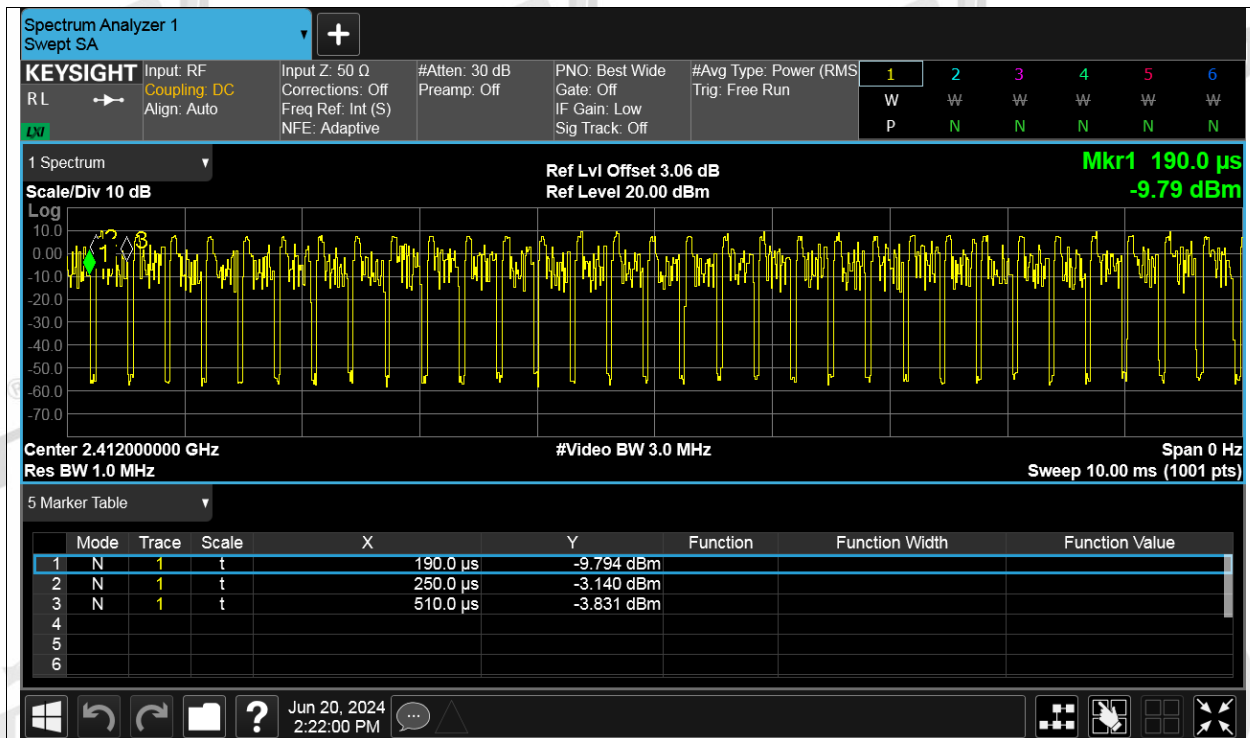
Duty Cycle NVNT ax20 52RU Index 37 2437MHz Sum



Duty Cycle NVNT ax20 52RU Index 37 2462MHz Sum



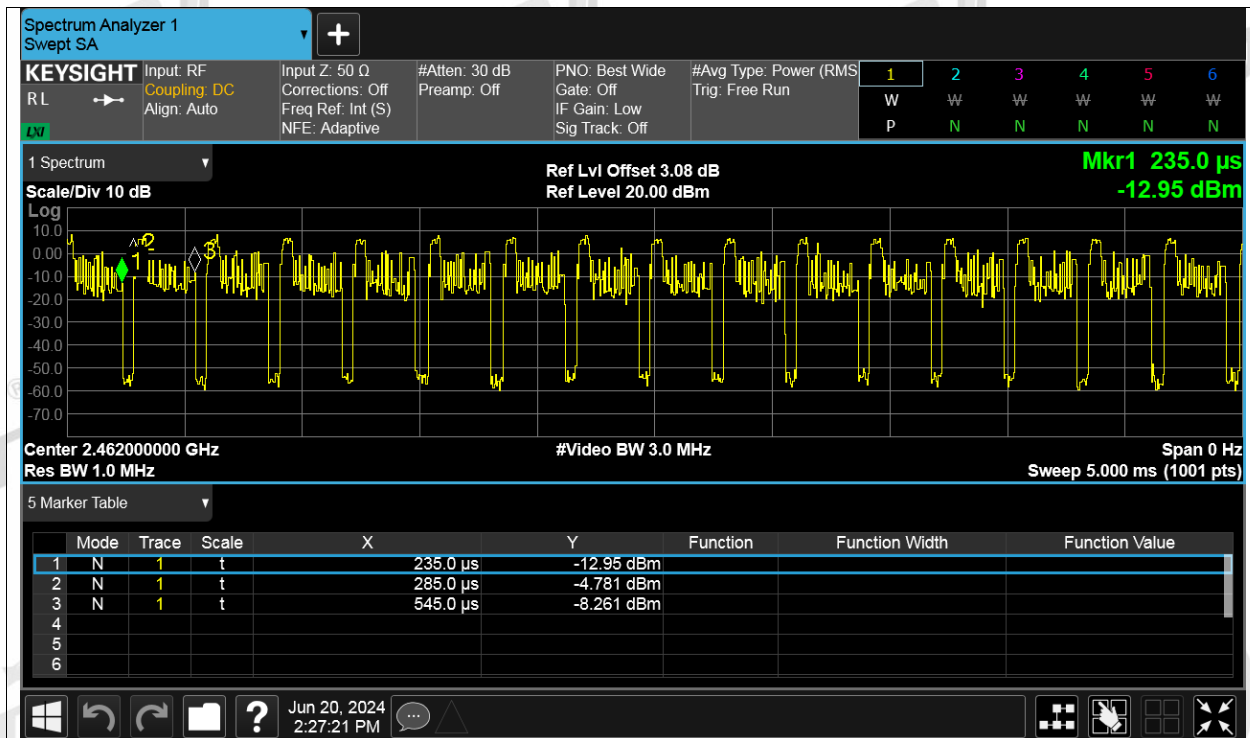
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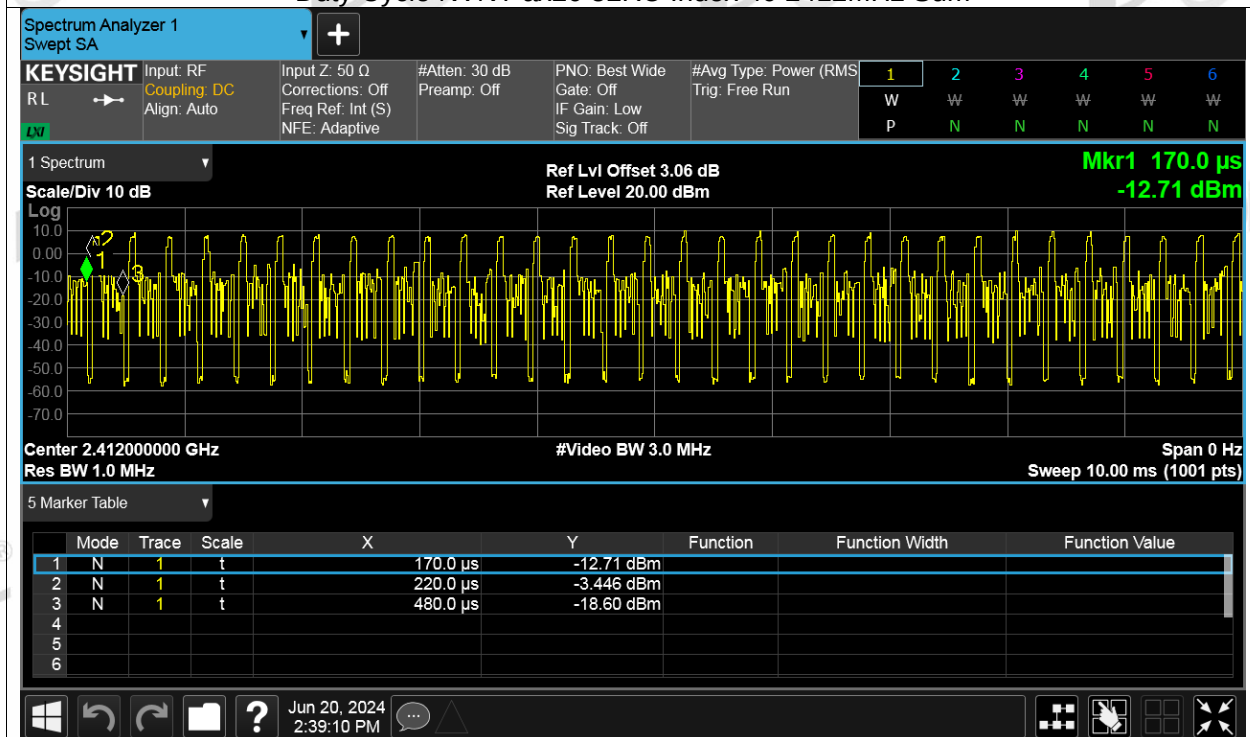
Duty Cycle NVNT ax20 52RU Index 38 2437MHz Sum



Duty Cycle NVNT ax20 52RU Index 38 2462MHz Sum



Duty Cycle NVNT ax20 52RU Index 40 2412MHz Sum



Duty Cycle NVNT ax20 52RU Index 40 2437MHz Sum