

RF Test Data for 2.4G WiFi (Conducted Measurements)

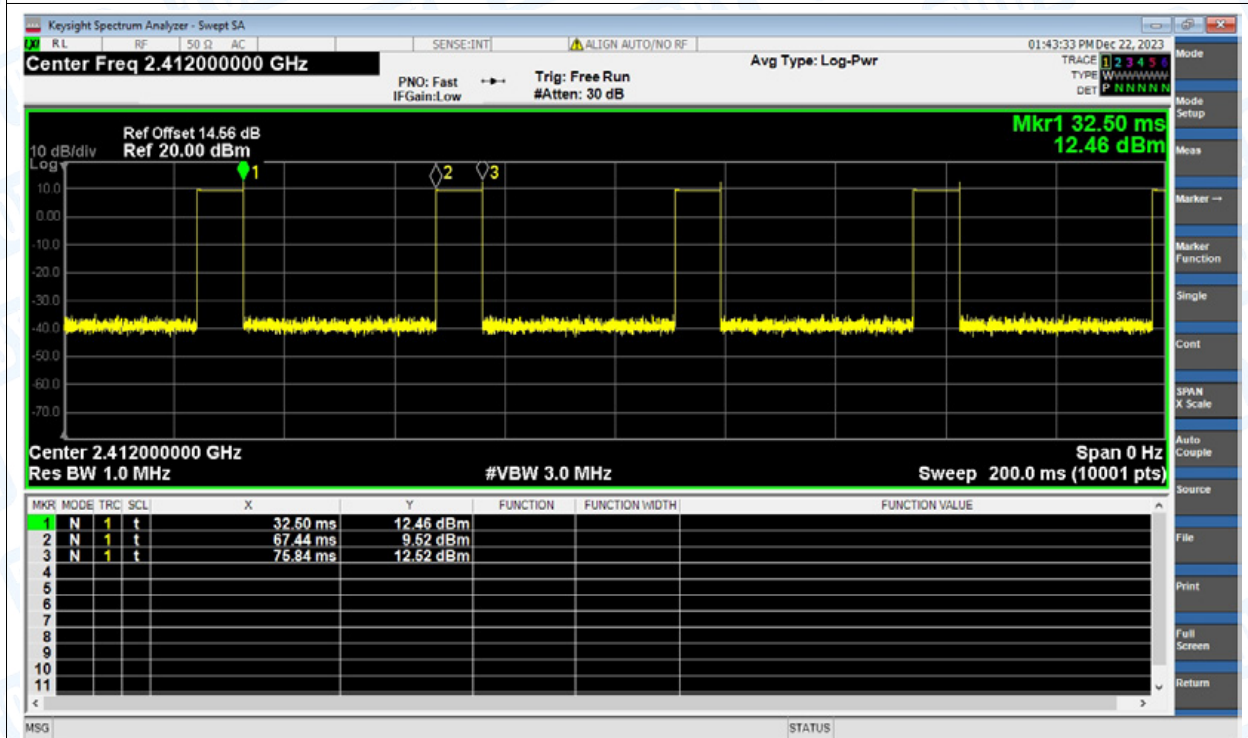
General Description of EUT	
Product Name:	Wifi PIR Motion Sensor
Test Model:	P01
Sample ID:	202312-0065-5-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	DC 3V
Test Engineer:	Yanzhenming
Note: For a more detailed features description, please refer to the report TBR-C-202312-0065-81 The report only show the worst case data.	

Duty Cycle

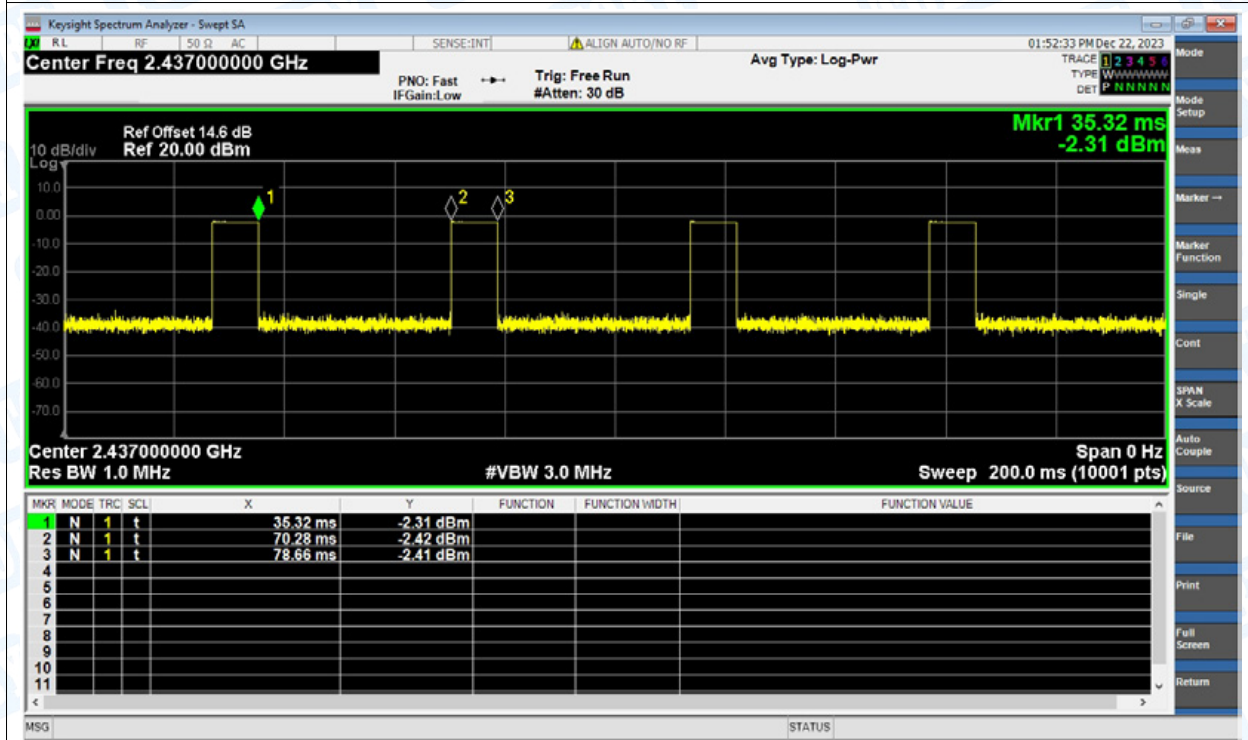
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	19.38	7.13	0.12
NVNT	b	2437	Ant1	19.34	7.14	0.12
NVNT	b	2462	Ant1	19.34	7.14	0.12
NVNT	g	2412	Ant1	9.94	10.03	0.72
NVNT	g	2437	Ant1	9.94	10.03	0.72
NVNT	g	2462	Ant1	10.01	10	0.71
NVNT	n(HT20)	2412	Ant1	9.95	10.02	0.77
NVNT	n(HT20)	2437	Ant1	9.95	10.02	0.77
NVNT	n(HT20)	2462	Ant1	9.95	10.02	0.77
NVNT	n(HT40)	2422	Ant1	9.63	10.16	1.59
NVNT	n(HT40)	2437	Ant1	9.65	10.15	1.59
NVNT	n(HT40)	2452	Ant1	9.63	10.16	1.59

Test Graphs

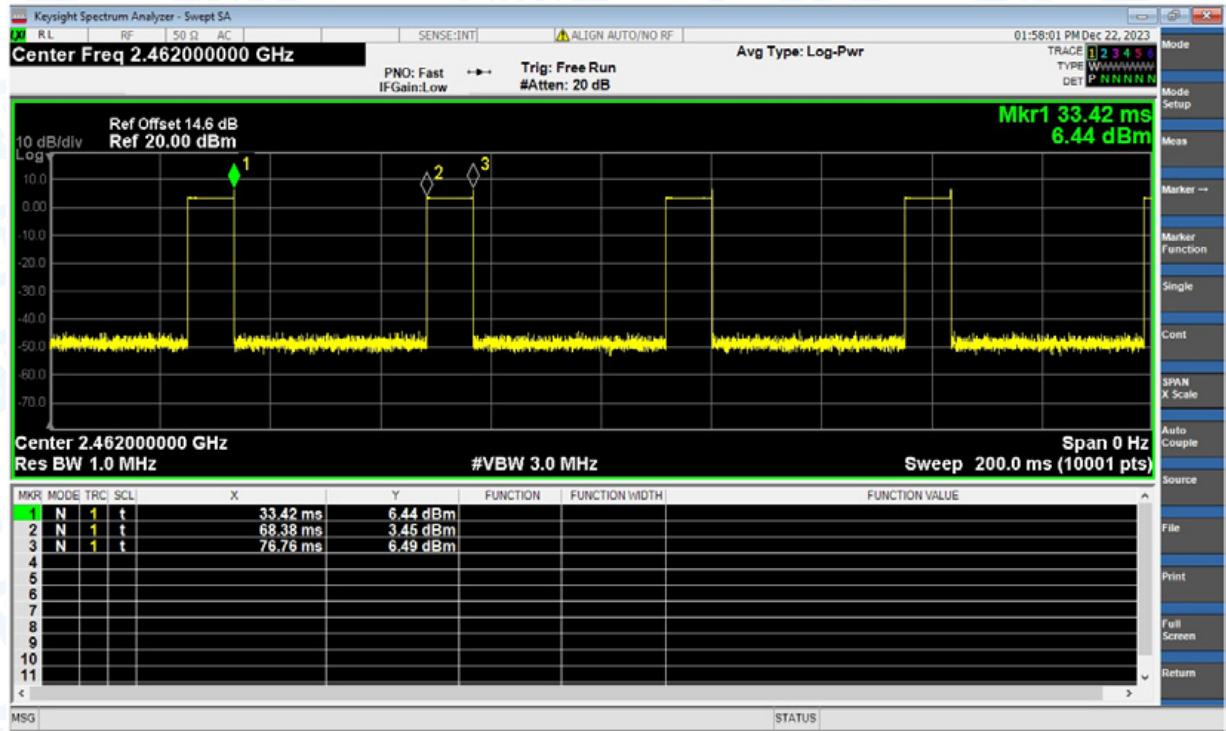
Duty Cycle NVNT b 2412MHz Ant1



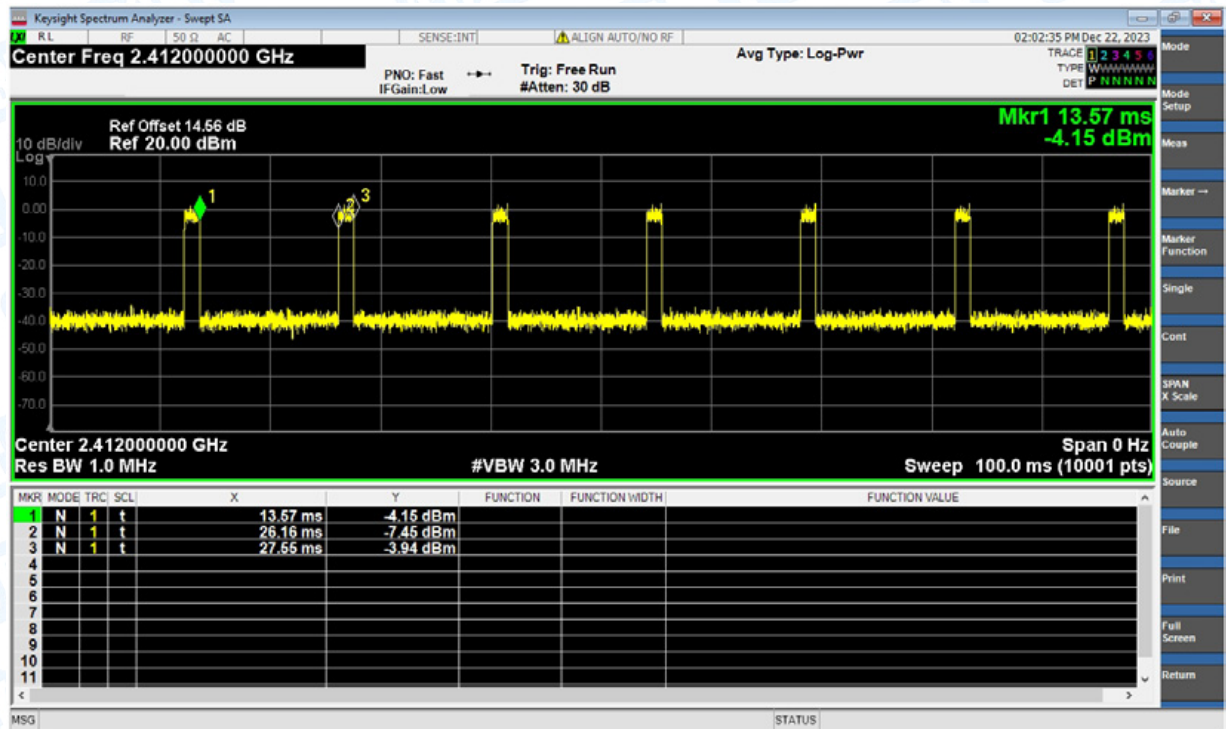
Duty Cycle NVNT b 2437MHz Ant1



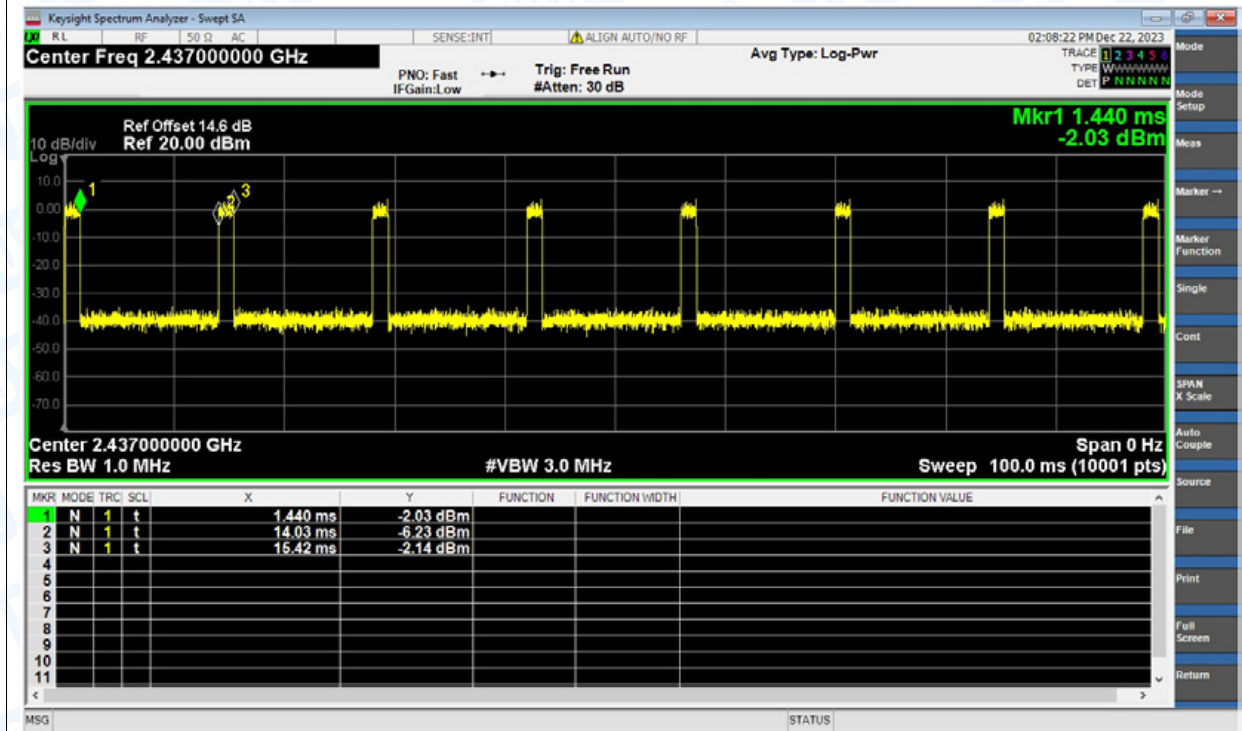
Duty Cycle NVNT b 2462MHz Ant1



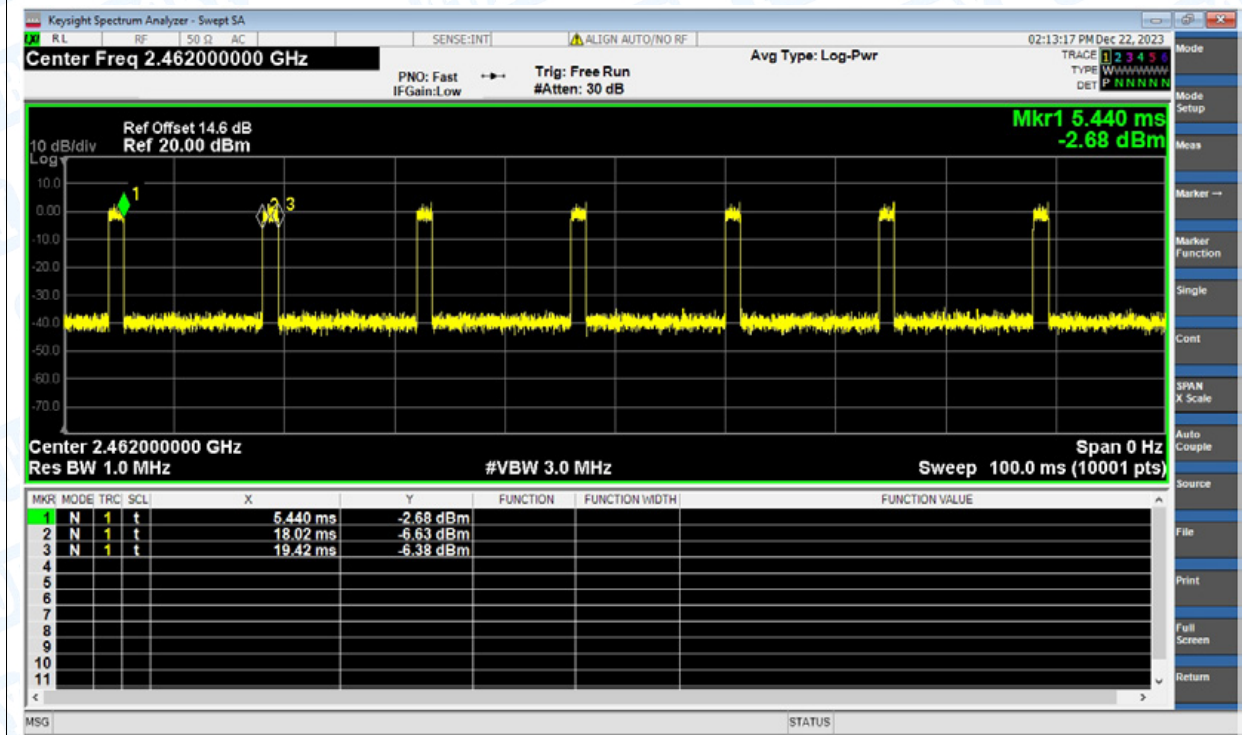
Duty Cycle NVNT g 2412MHz Ant1



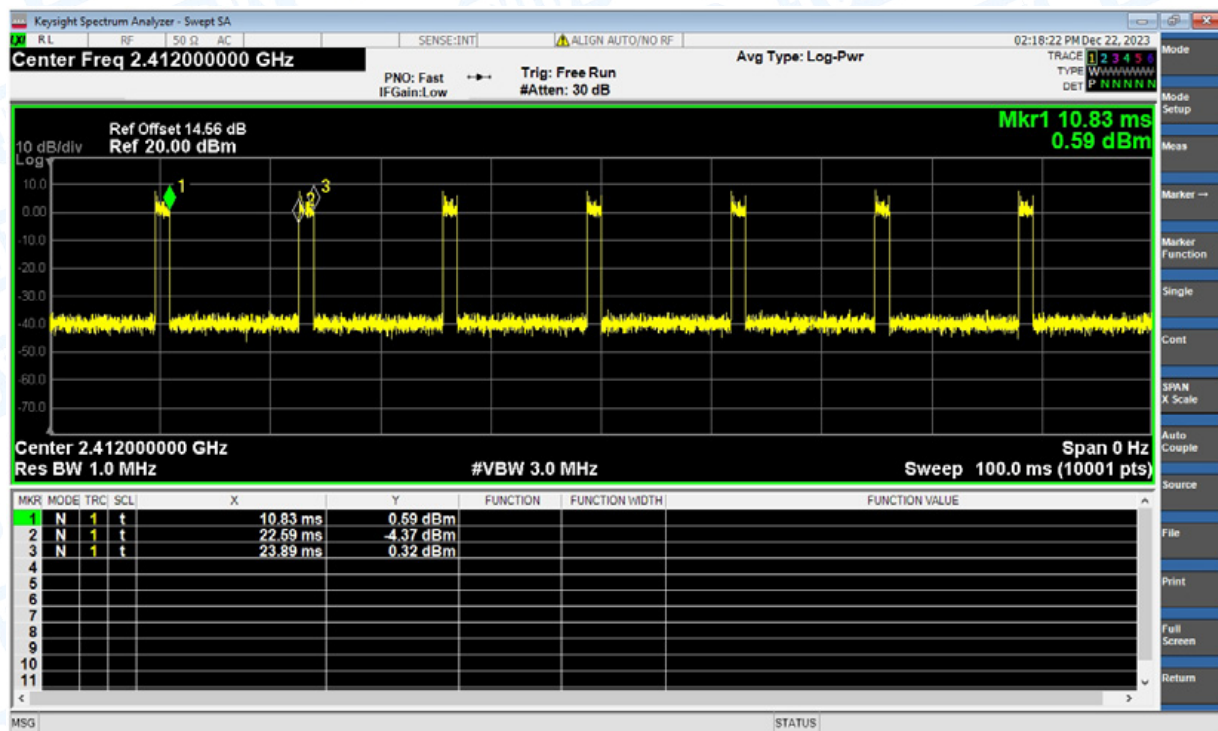
Duty Cycle NVNT g 2437MHz Ant1



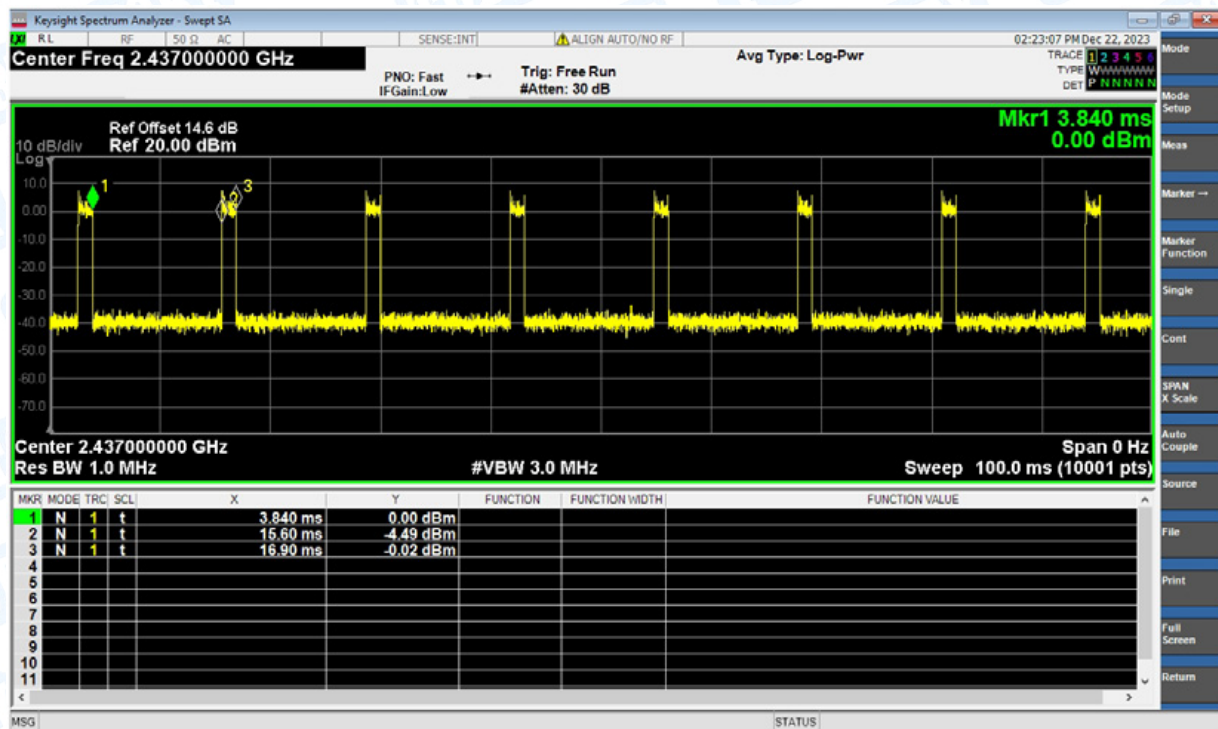
Duty Cycle NVNT g 2462MHz Ant1



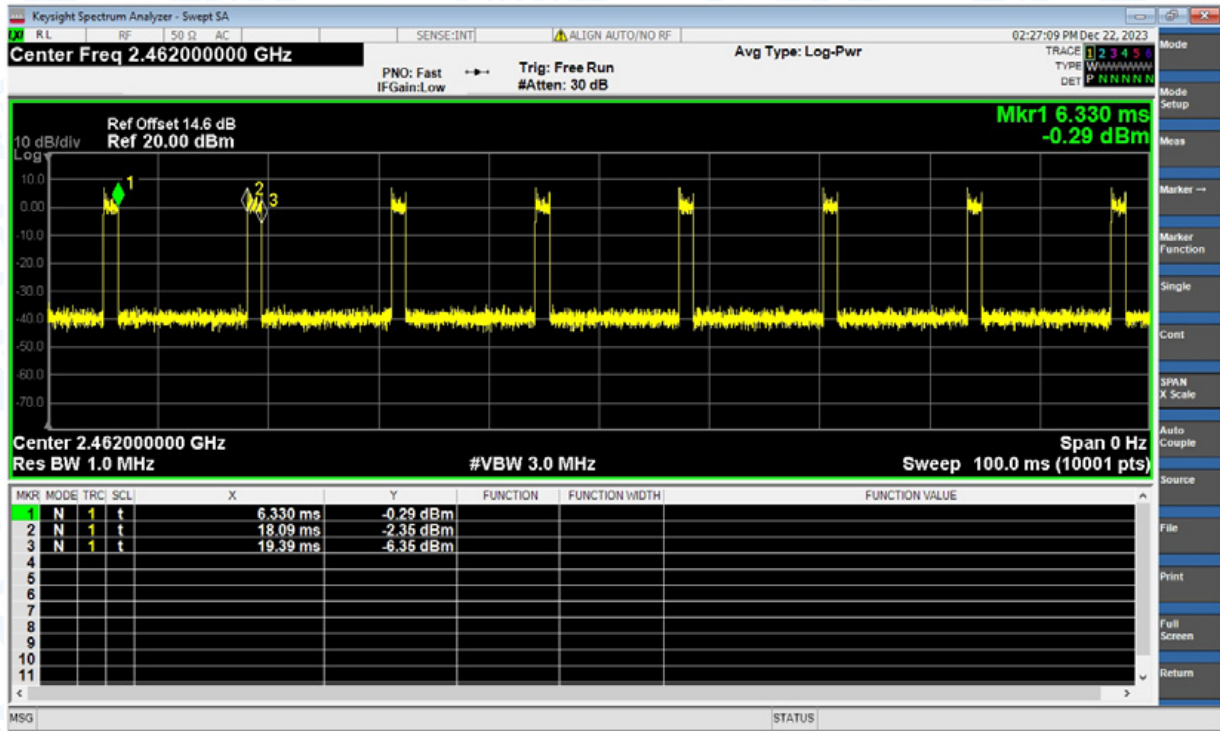
Duty Cycle NVNT n(HT20) 2412MHz Ant1



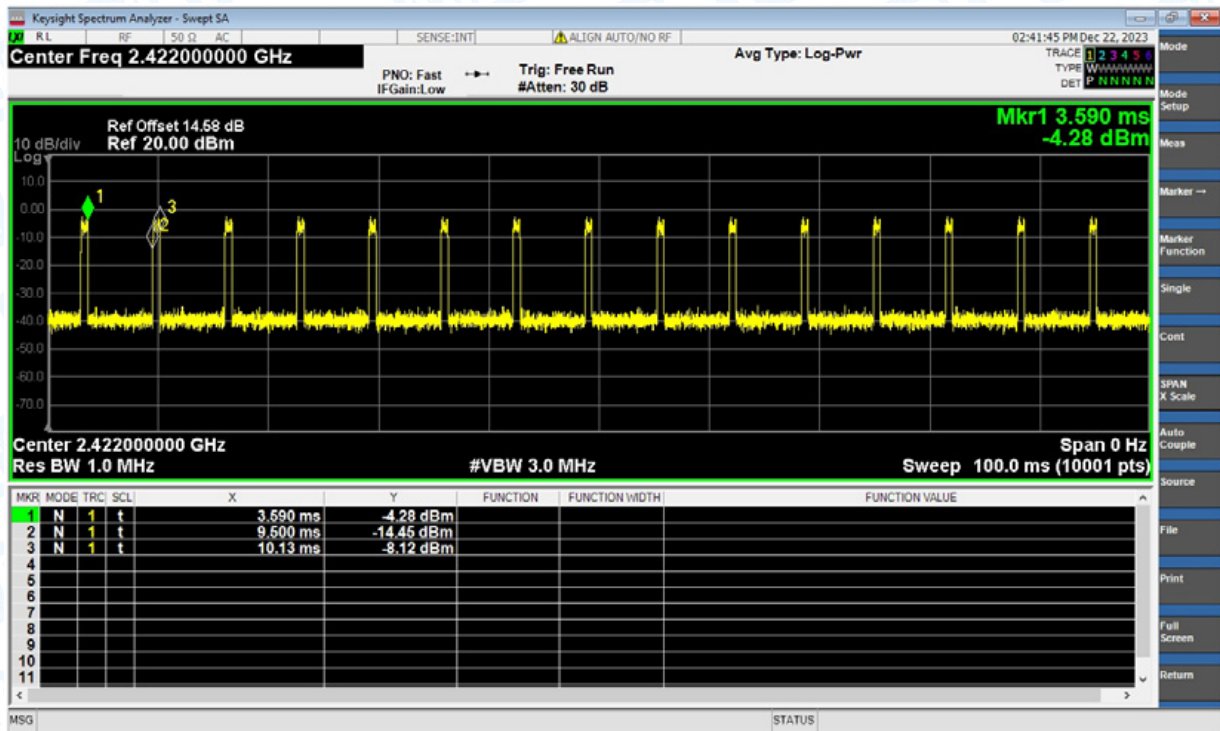
Duty Cycle NVNT n(HT20) 2437MHz Ant1



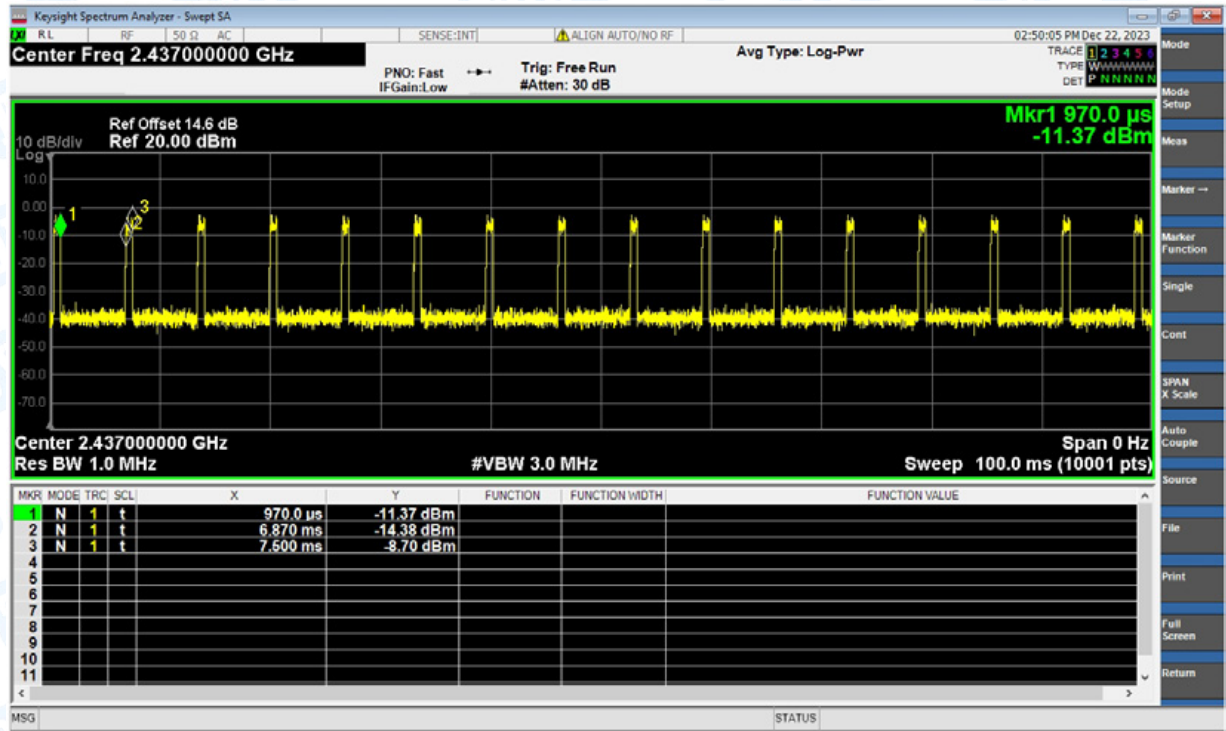
Duty Cycle NVNT n(HT20) 2462MHz Ant1



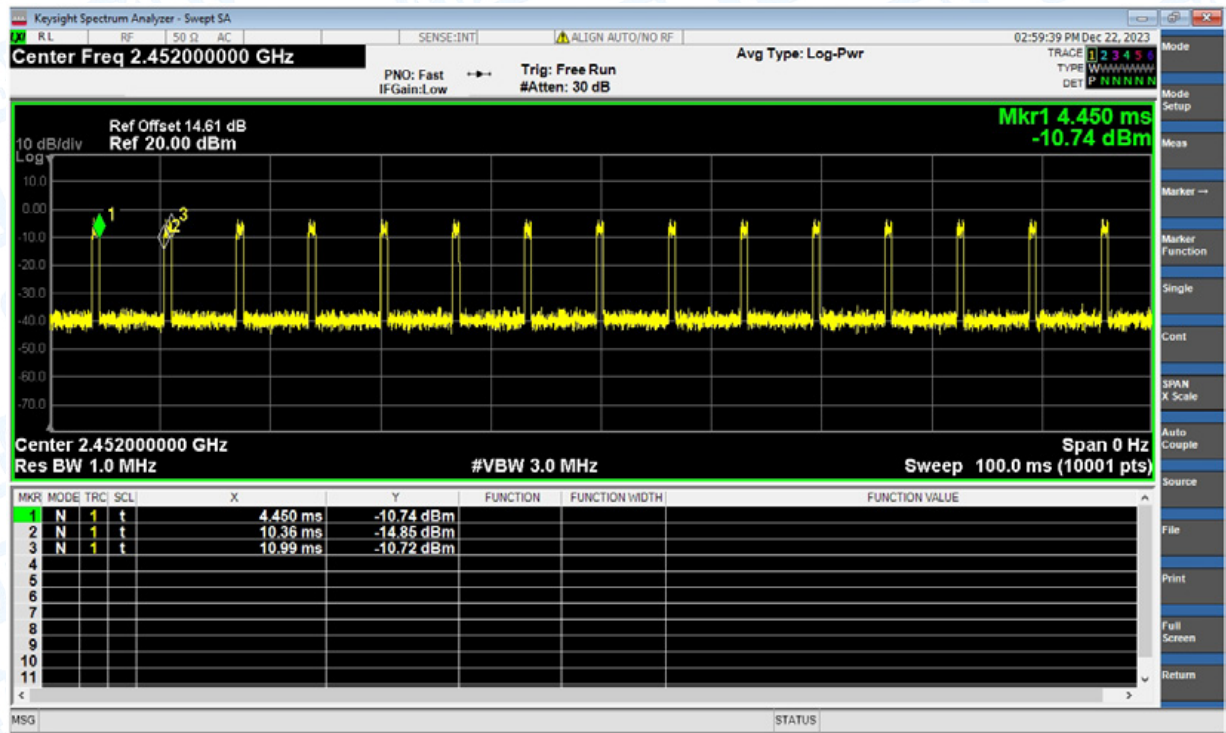
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



Maximum Conducted Output Power

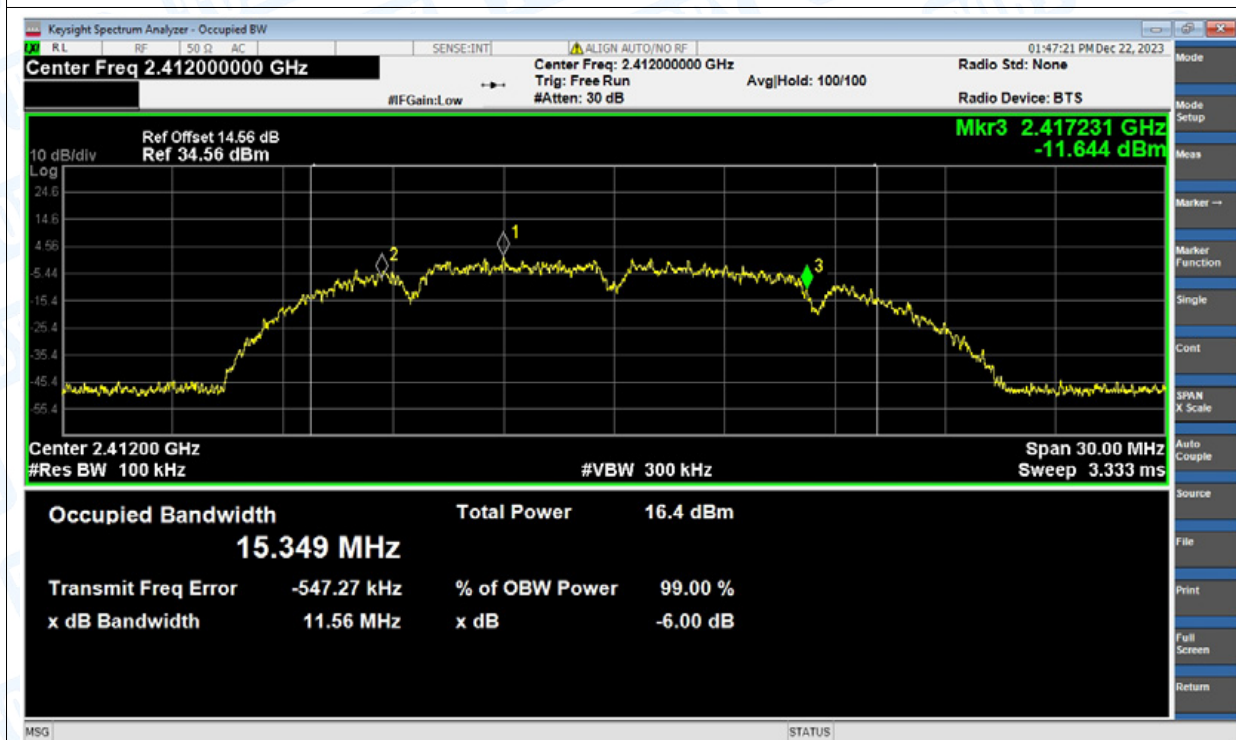
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	10.37	7.13	17.5	30	Pass
NVNT	b	2437	Ant1	9.99	7.14	17.13	30	Pass
NVNT	b	2462	Ant1	9.57	7.14	16.71	30	Pass
NVNT	g	2412	Ant1	6.42	10.03	16.45	30	Pass
NVNT	g	2437	Ant1	5.98	10.03	16.01	30	Pass
NVNT	g	2462	Ant1	5.49	10	15.49	30	Pass
NVNT	n(HT20)	2412	Ant1	7.59	10.02	17.61	30	Pass
NVNT	n(HT20)	2437	Ant1	7.15	10.02	17.17	30	Pass
NVNT	n(HT20)	2462	Ant1	6.65	10.02	16.67	30	Pass
NVNT	n(HT40)	2422	Ant1	6.36	10.16	16.52	30	Pass
NVNT	n(HT40)	2437	Ant1	5.92	10.15	16.07	30	Pass
NVNT	n(HT40)	2452	Ant1	5.35	10.16	15.51	30	Pass

-6dB Bandwidth

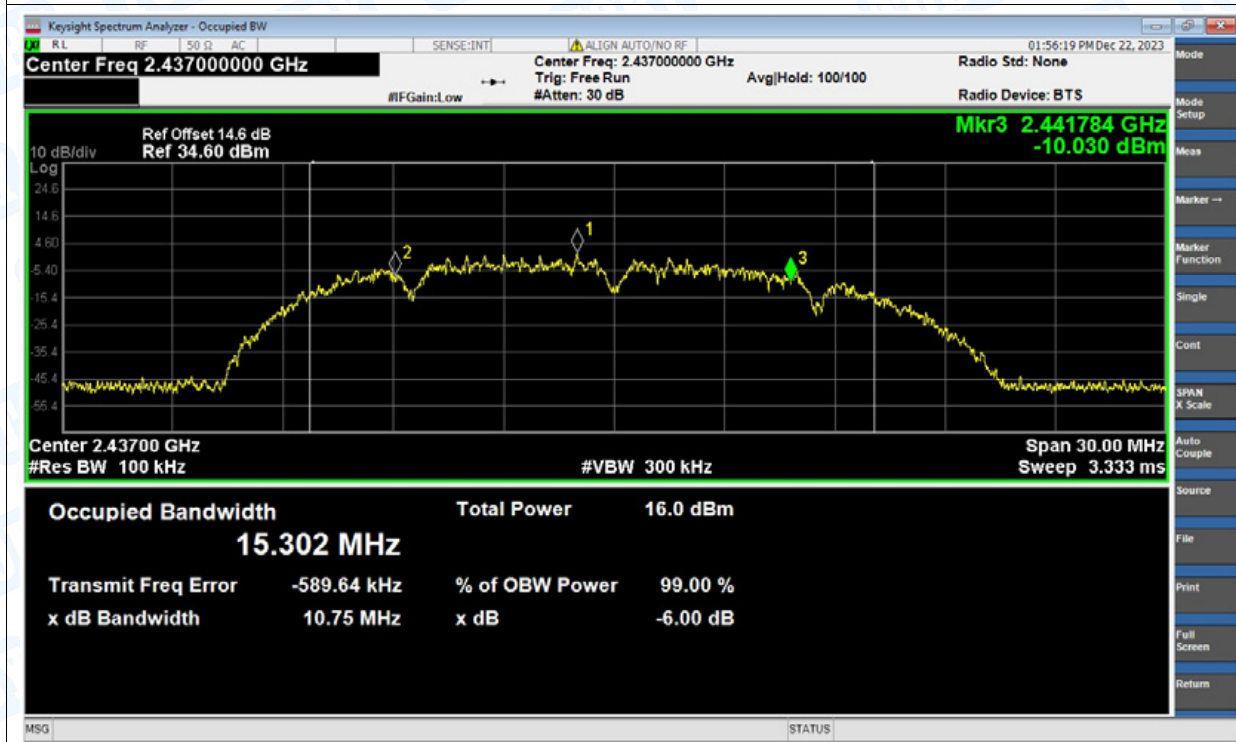
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	11.56	0.5	Pass
NVNT	b	2437	Ant1	10.75	0.5	Pass
NVNT	b	2462	Ant1	11.51	0.5	Pass
NVNT	g	2412	Ant1	17.34	0.5	Pass
NVNT	g	2437	Ant1	16.8	0.5	Pass
NVNT	g	2462	Ant1	17.06	0.5	Pass
NVNT	n(HT20)	2412	Ant1	16.96	0.5	Pass
NVNT	n(HT20)	2437	Ant1	16.31	0.5	Pass
NVNT	n(HT20)	2462	Ant1	18.01	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.45	0.5	Pass
NVNT	n(HT40)	2437	Ant1	30.62	0.5	Pass
NVNT	n(HT40)	2452	Ant1	30.04	0.5	Pass

Test Graphs

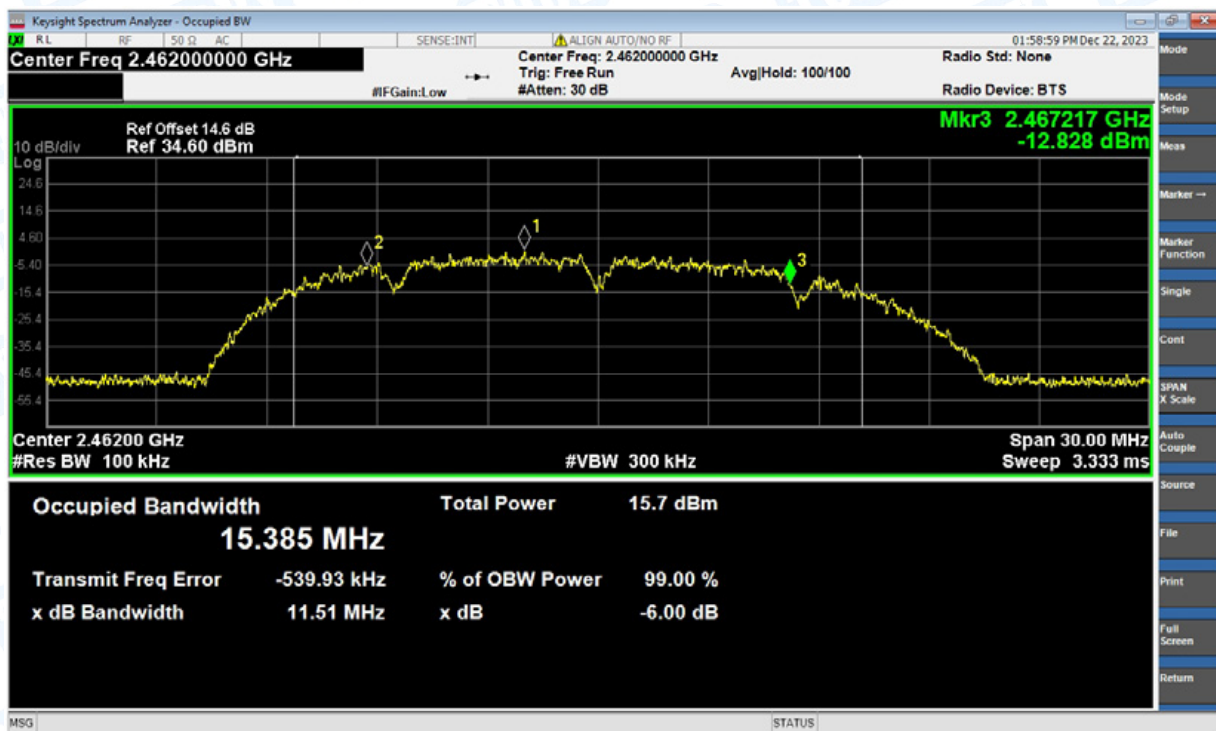
-6dB Bandwidth NVNT b 2412MHz Ant1



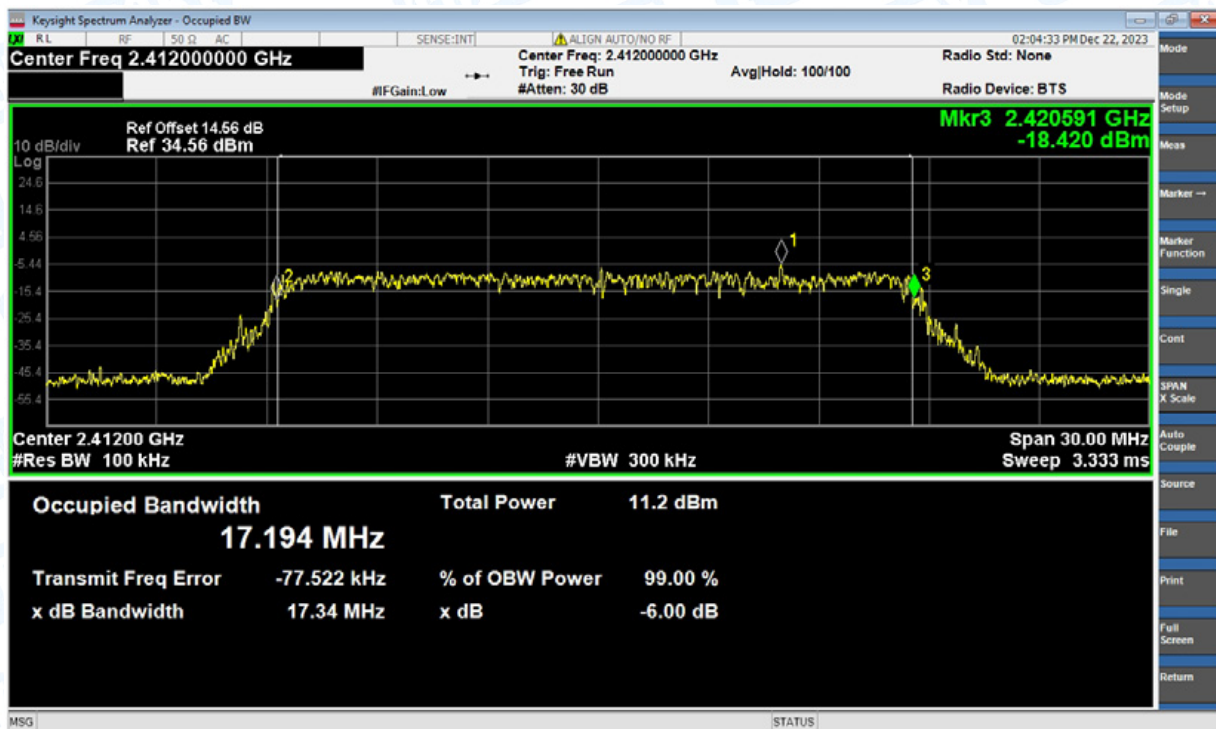
-6dB Bandwidth NVNT b 2437MHz Ant1



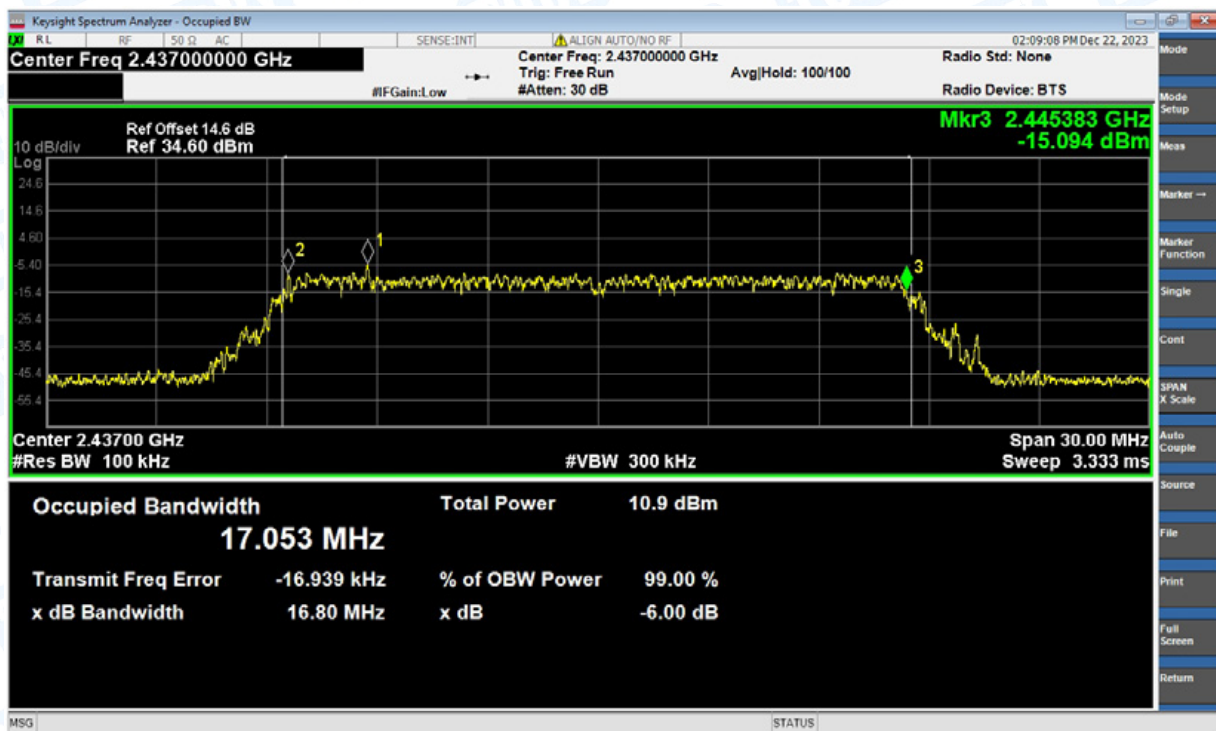
-6dB Bandwidth NVNT b 2462MHz Ant1



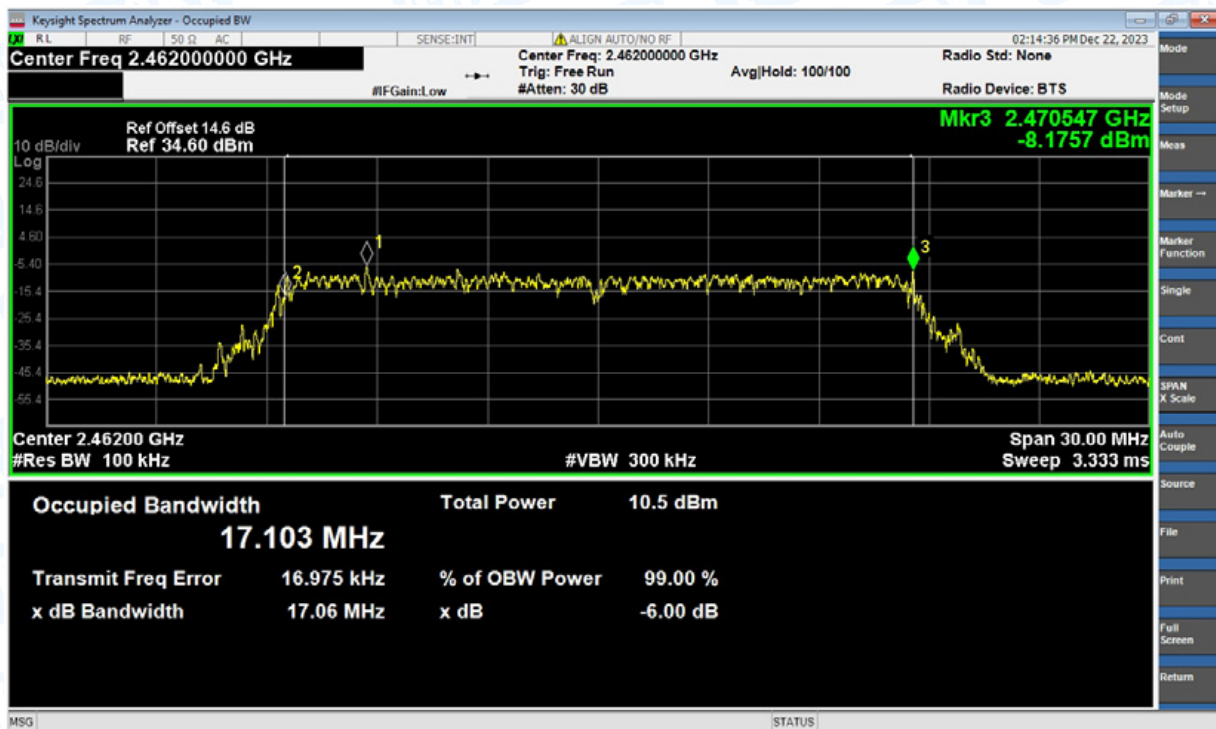
-6dB Bandwidth NVNT g 2412MHz Ant1



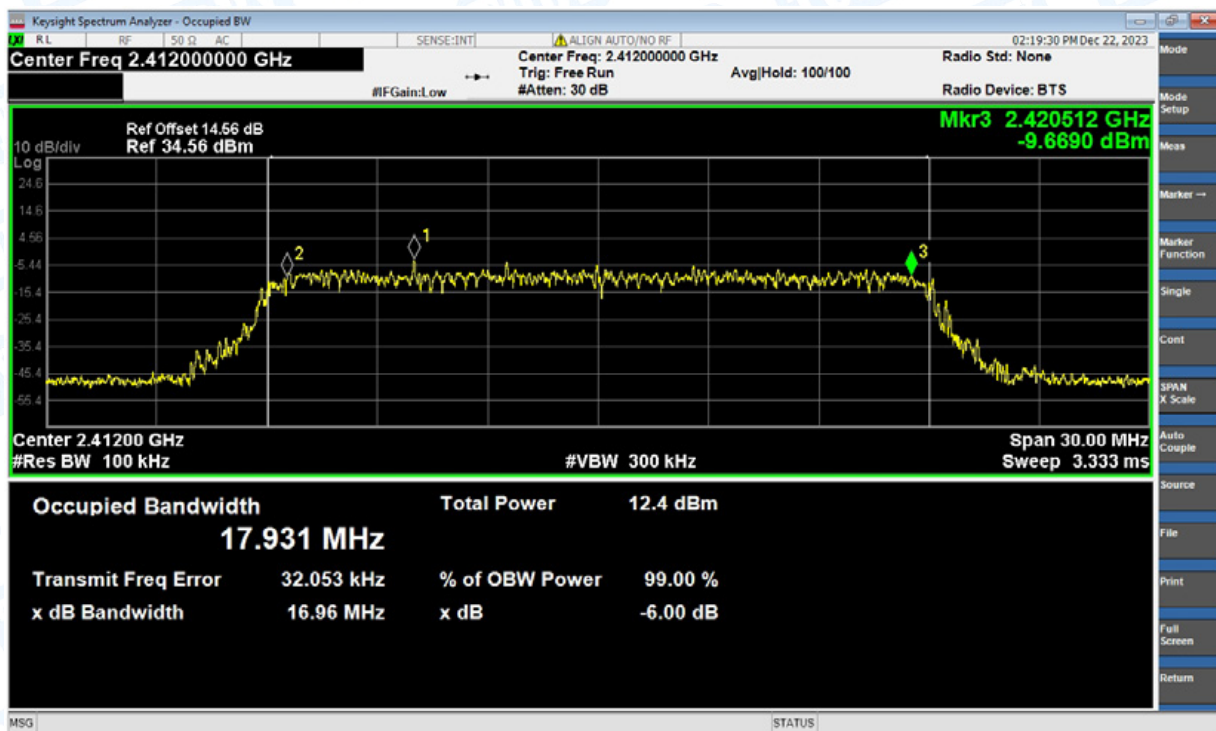
-6dB Bandwidth NVNT g 2437MHz Ant1



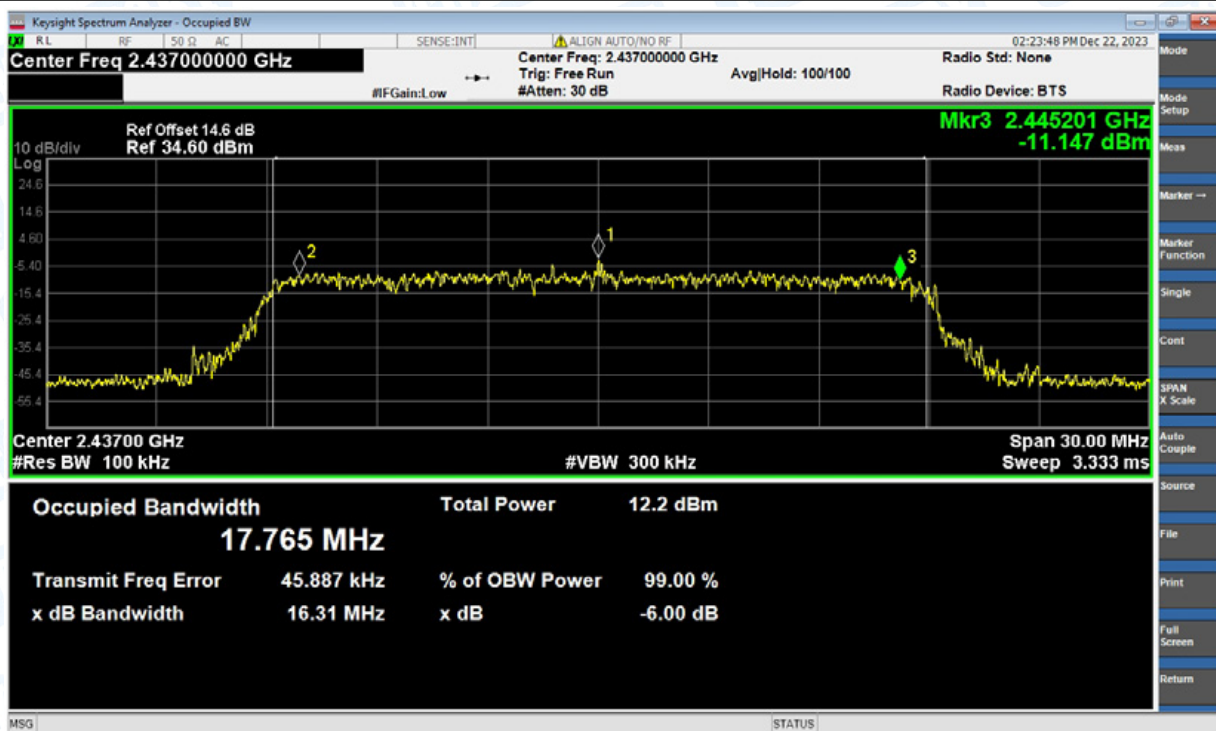
-6dB Bandwidth NVNT g 2462MHz Ant1



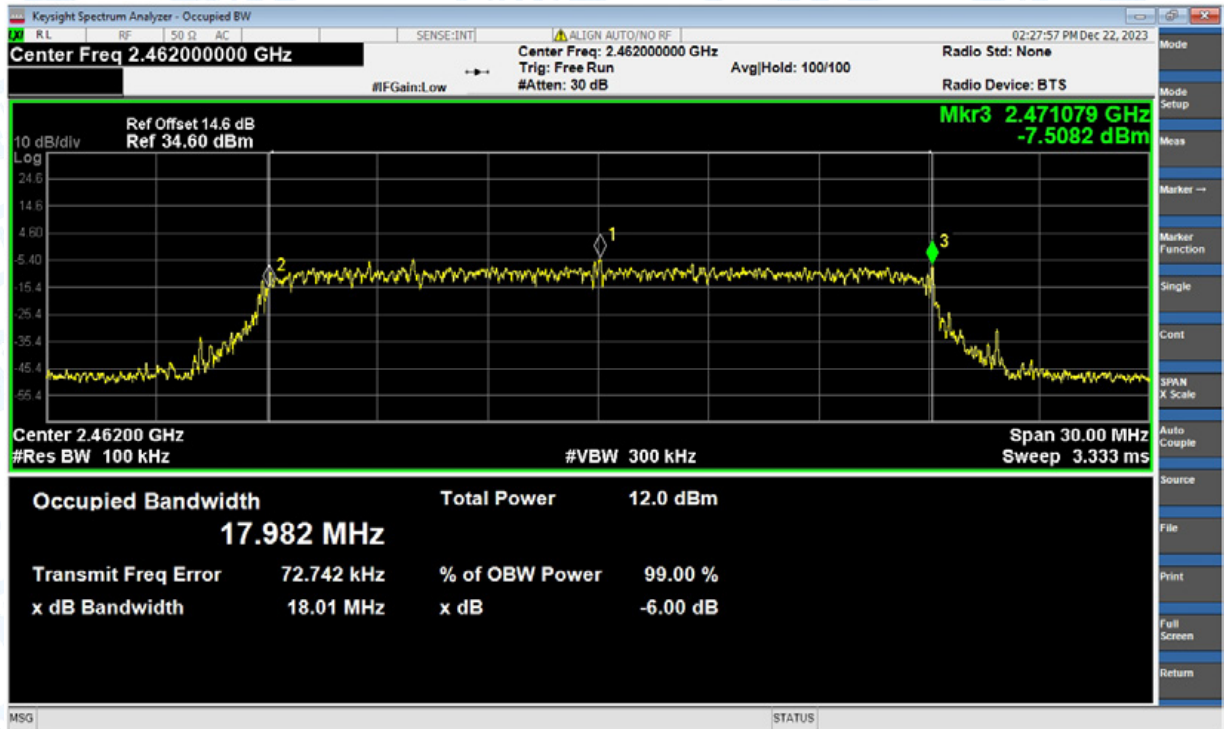
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



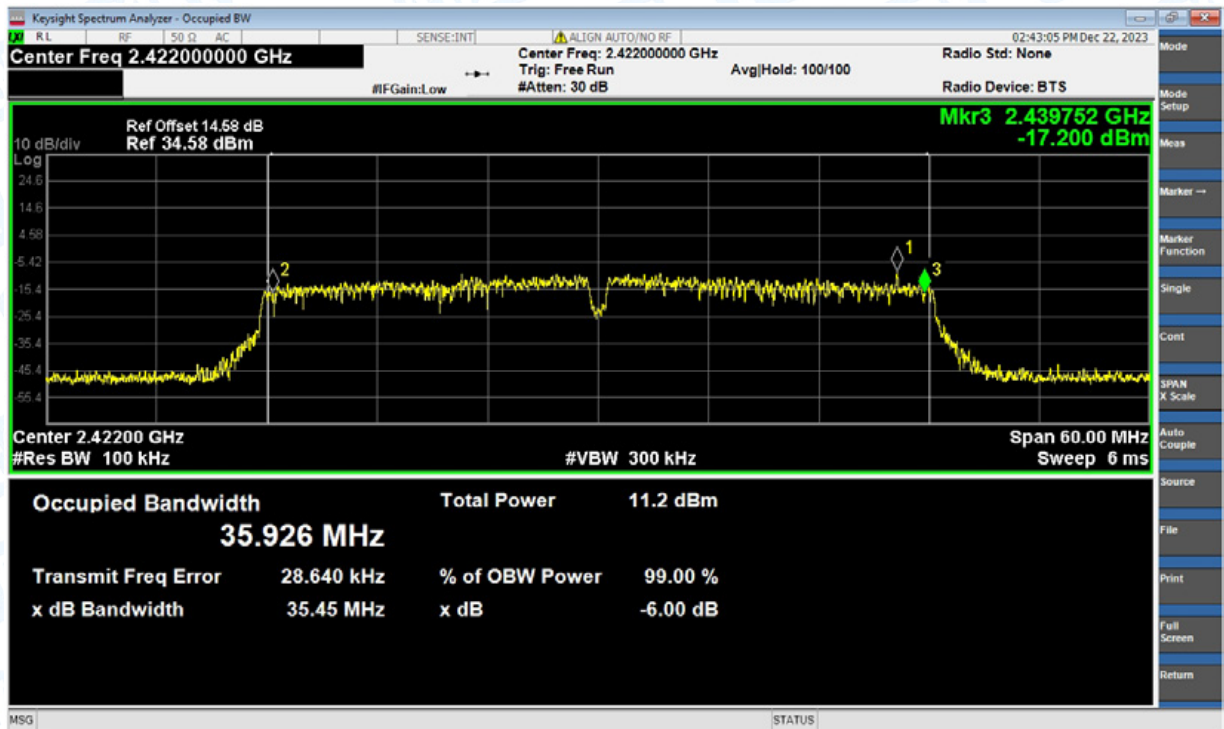
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



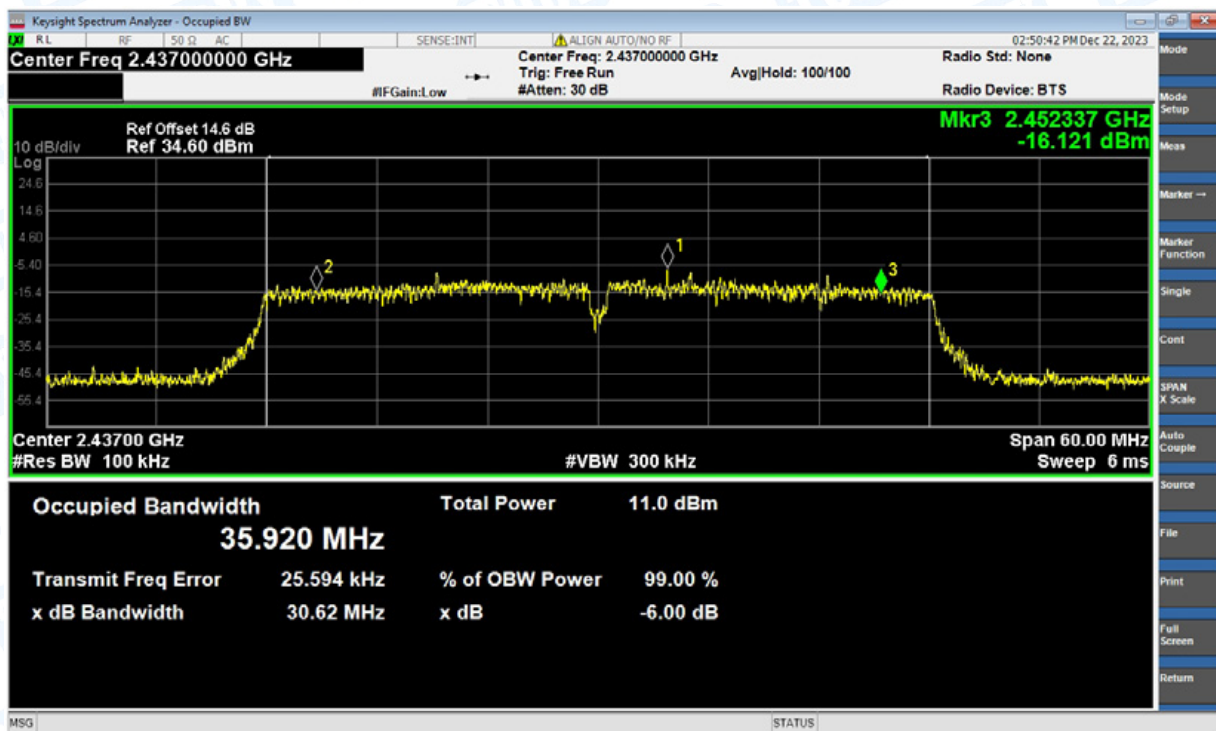
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



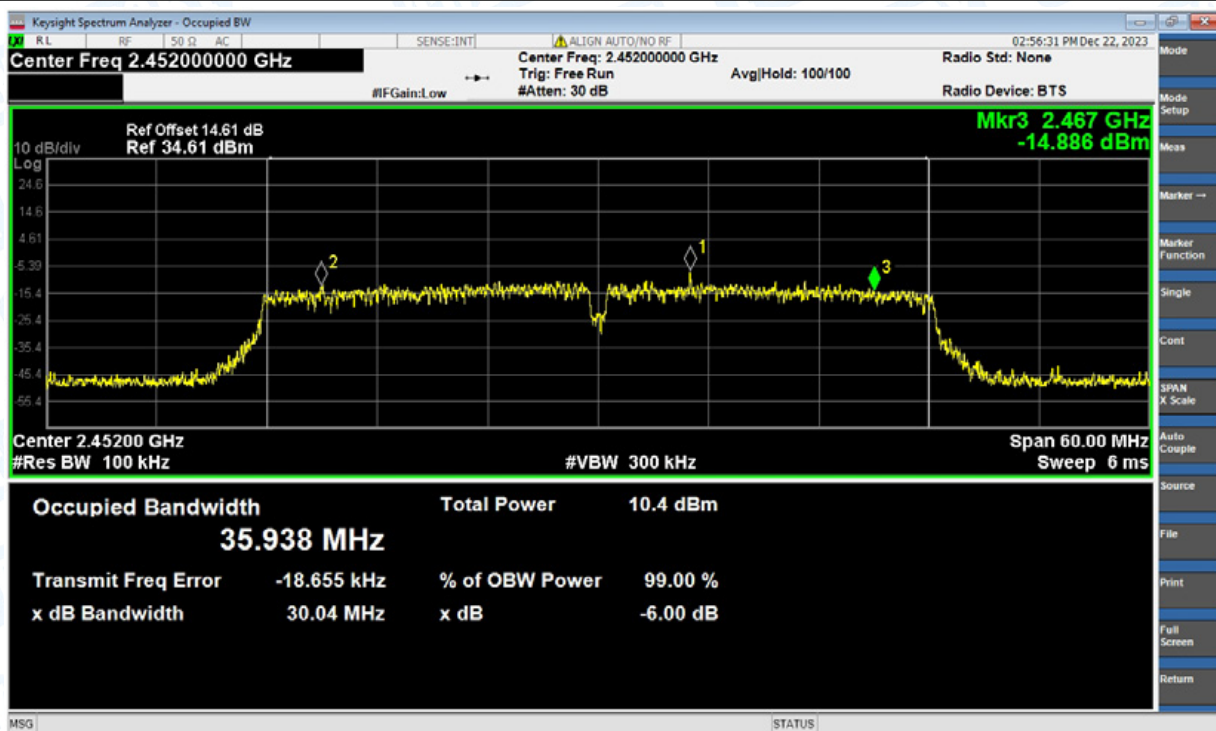
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1

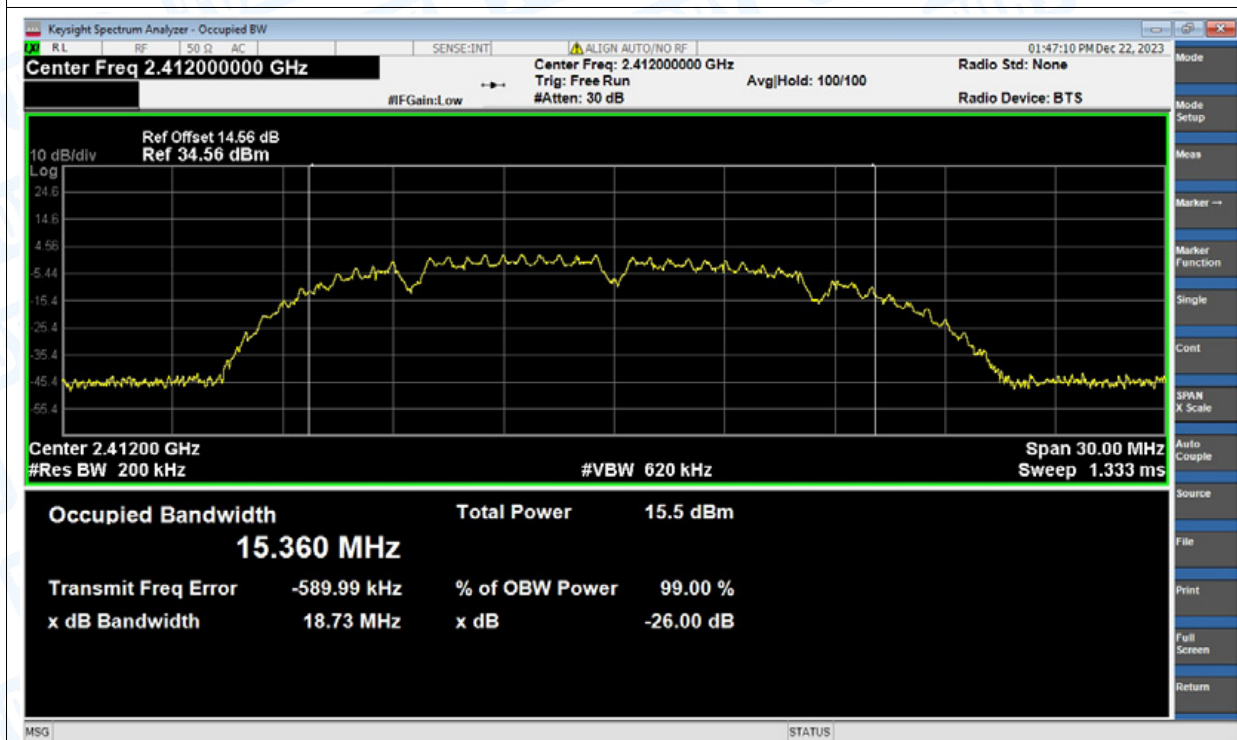


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	15.36
NVNT	b	2437	Ant1	15.384
NVNT	b	2462	Ant1	15.33
NVNT	g	2412	Ant1	17.422
NVNT	g	2437	Ant1	17.502
NVNT	g	2462	Ant1	17.272
NVNT	n(HT20)	2412	Ant1	18.001
NVNT	n(HT20)	2437	Ant1	17.942
NVNT	n(HT20)	2462	Ant1	18.054
NVNT	n(HT40)	2422	Ant1	35.899
NVNT	n(HT40)	2437	Ant1	35.996
NVNT	n(HT40)	2452	Ant1	35.963

Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1

