

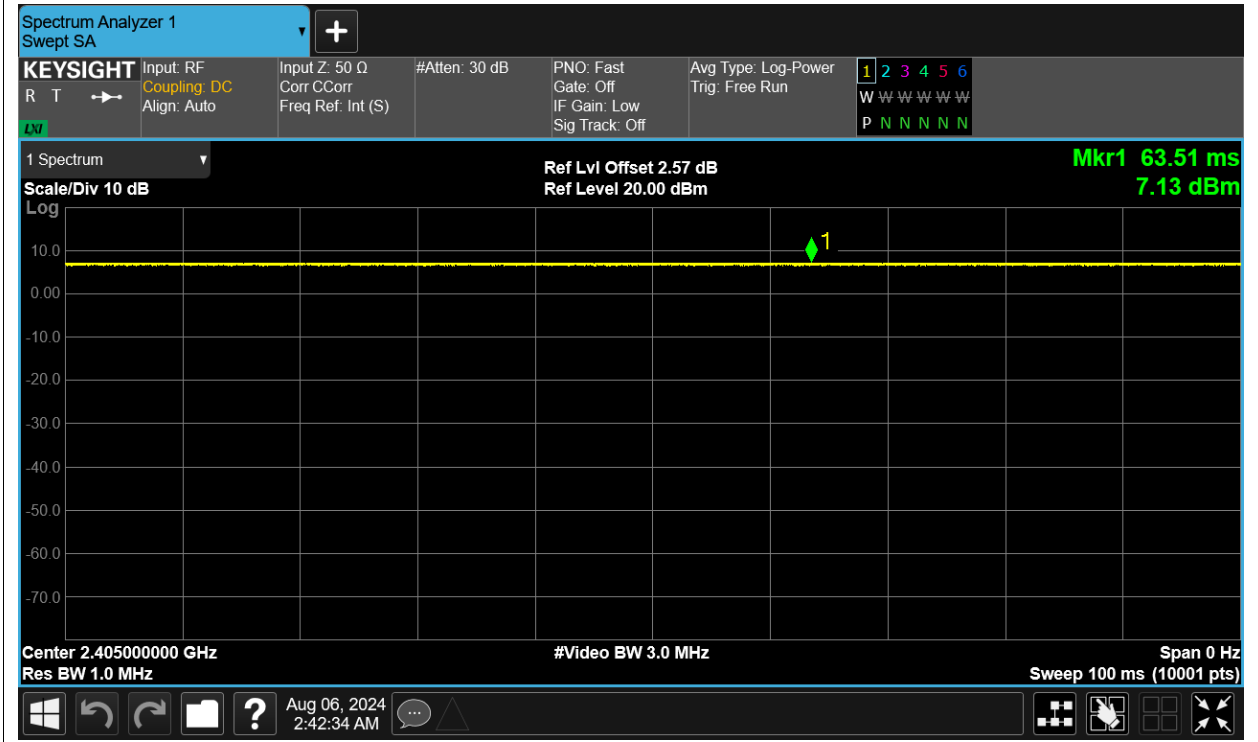
## Test Data

### Duty Cycle

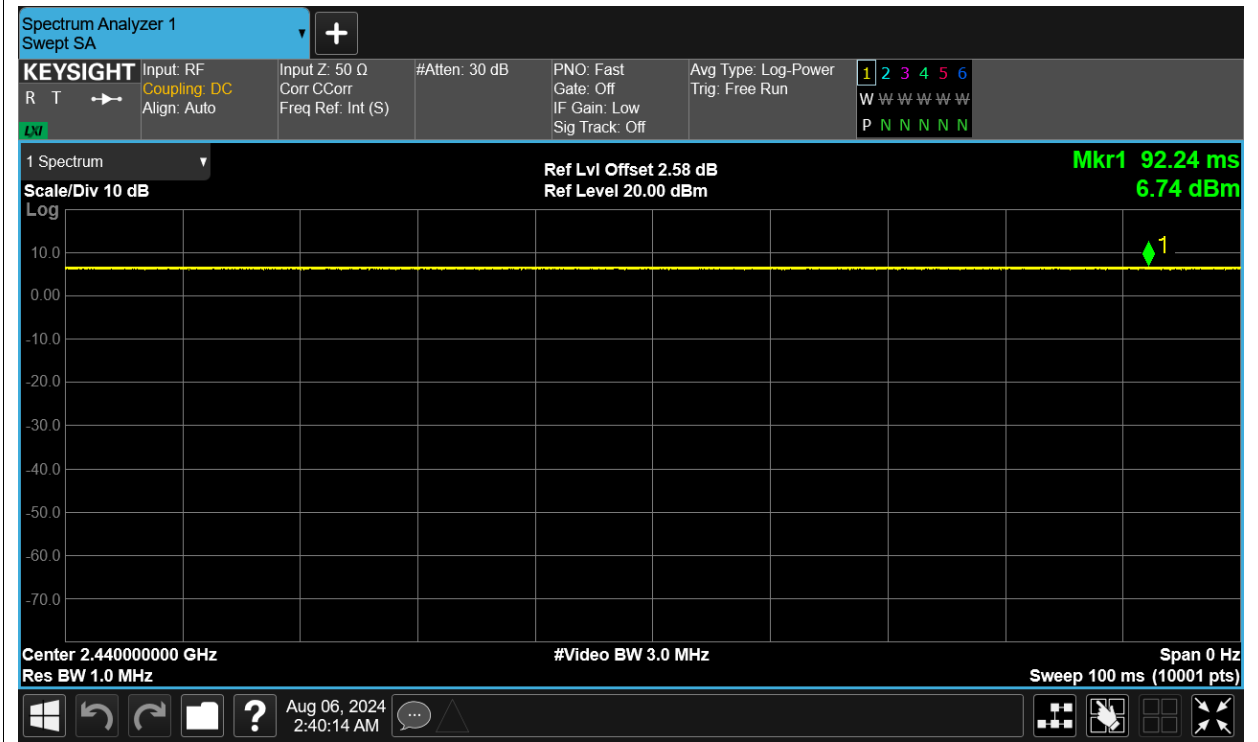
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	ZigBee	2405	Ant3	100	0
NVNT	ZigBee	2440	Ant3	100	0
NVNT	ZigBee	2480	Ant3	100	0

Test Graphs

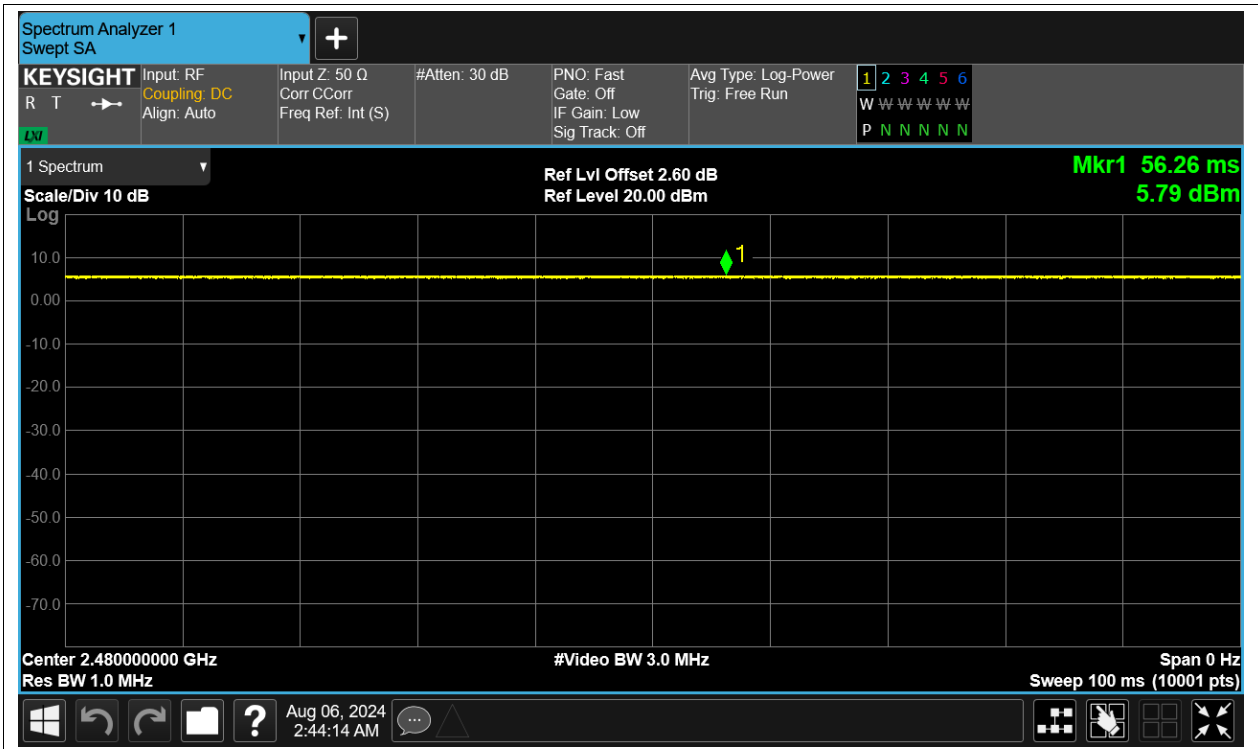
Duty Cycle NVNT ZigBee 2405MHz Ant3



Duty Cycle NVNT ZigBee 2440MHz Ant3



Duty Cycle NVNT ZigBee 2480MHz Ant3

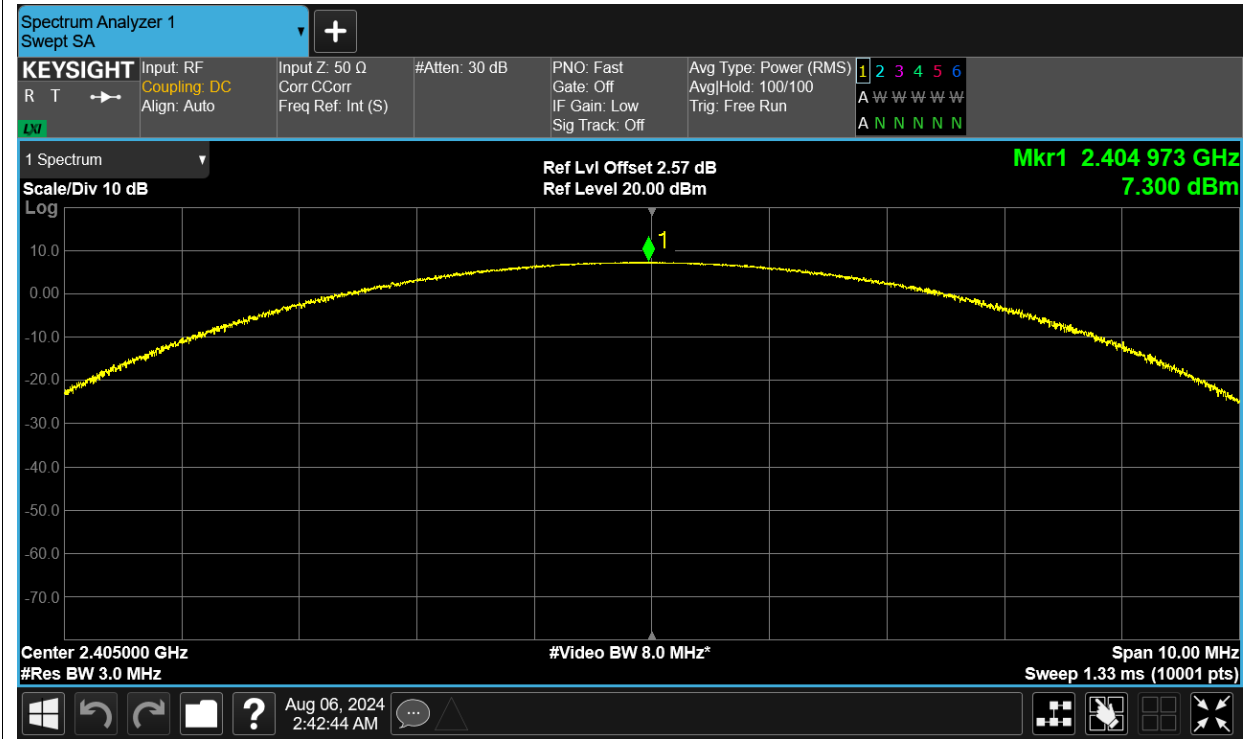


## Maximum Conducted Output Power

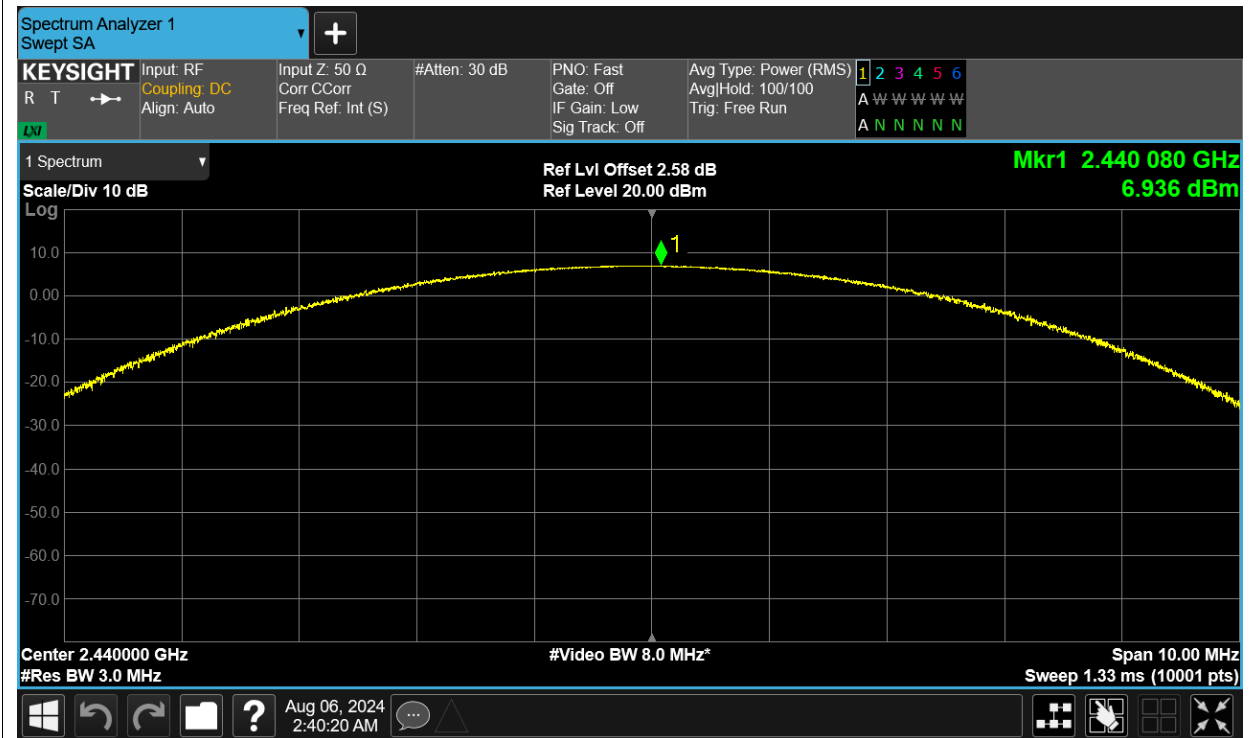
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ZigBee	2405	Ant3	7.3	0	7.3	30	Pass
NVNT	ZigBee	2440	Ant3	6.936	0	6.936	30	Pass
NVNT	ZigBee	2480	Ant3	6.041	0	6.041	30	Pass

Test Graphs

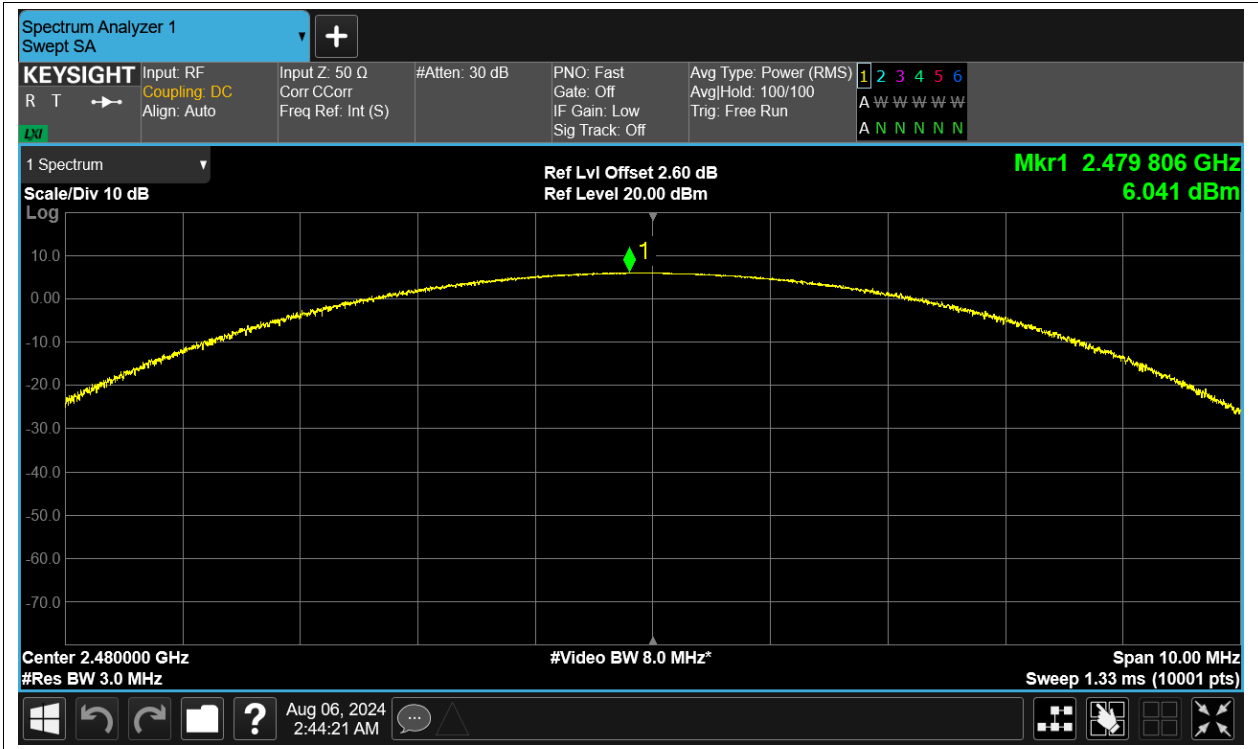
Power NVNT ZigBee 2405MHz Ant3



Power NVNT ZigBee 2440MHz Ant3



Power NVNT ZigBee 2480MHz Ant3

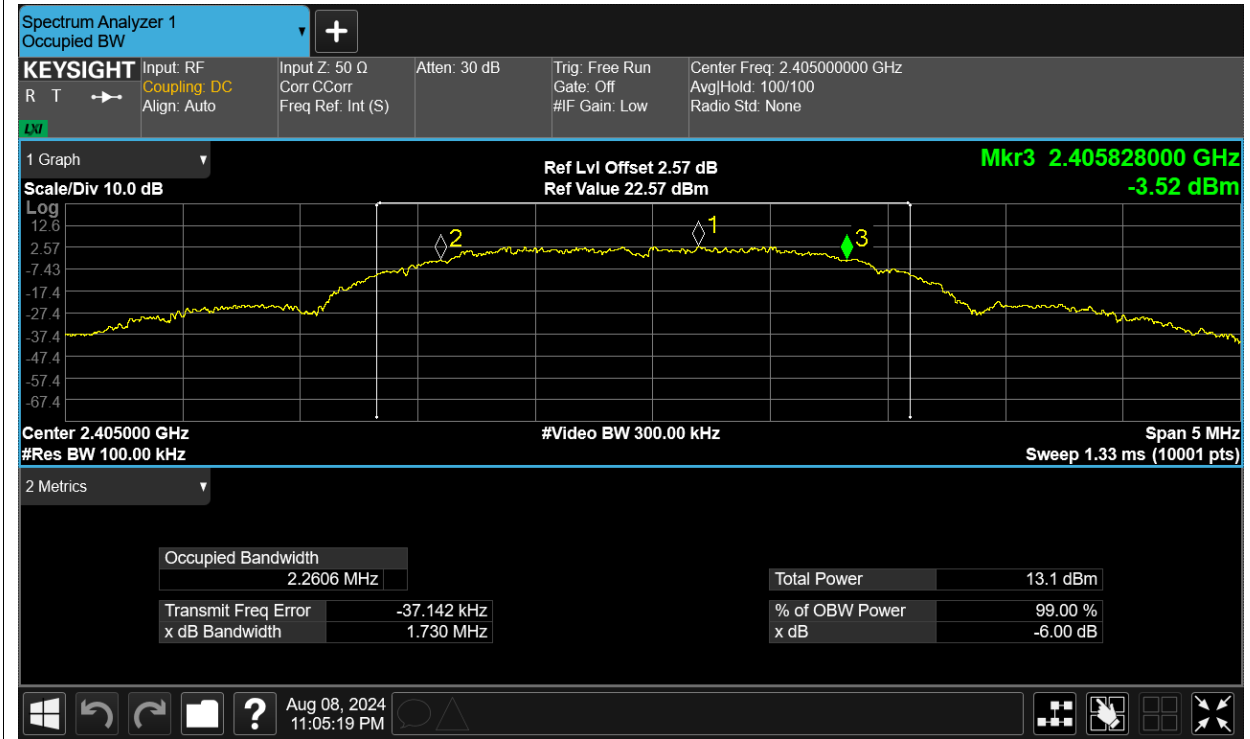


## -6dB Bandwidth

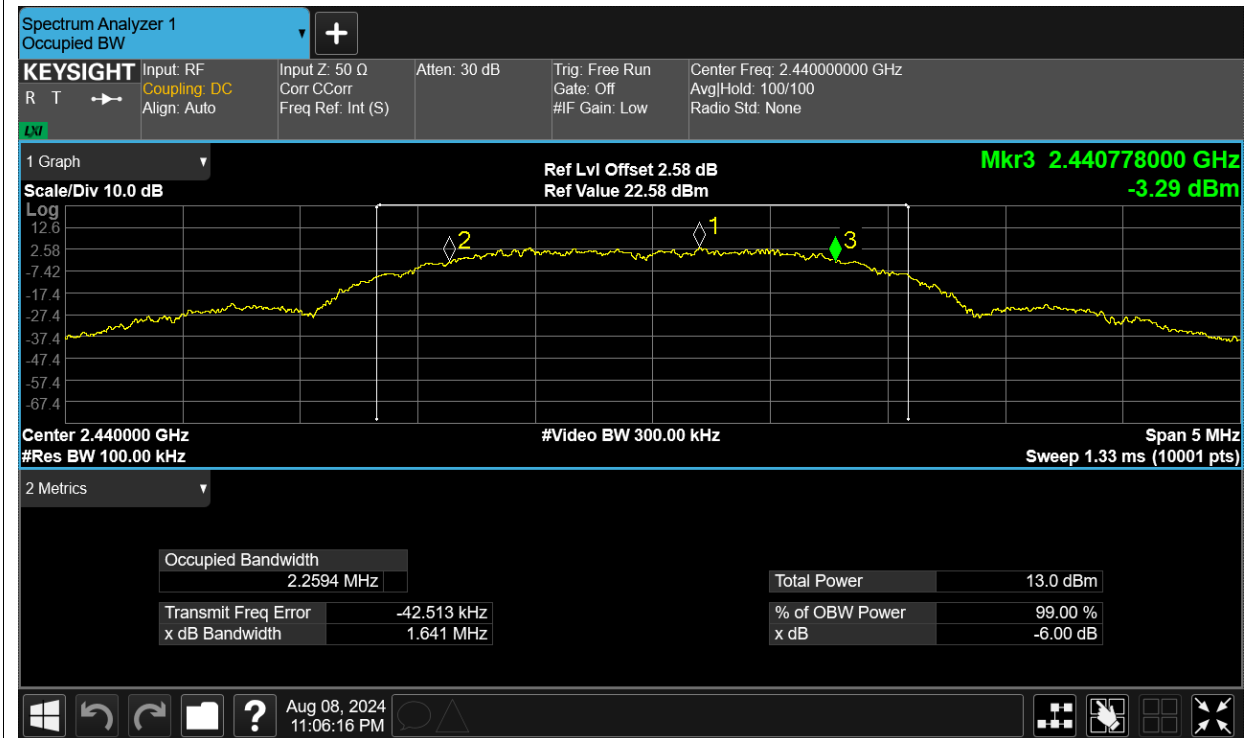
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	ZigBee	2405	Ant3	1.73	0.5	Pass
NVNT	ZigBee	2440	Ant3	1.641	0.5	Pass
NVNT	ZigBee	2480	Ant3	1.647	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT ZigBee 2405MHz Ant3



-6dB Bandwidth NVNT ZigBee 2440MHz Ant3



-6dB Bandwidth NVNT ZigBee 2480MHz Ant3



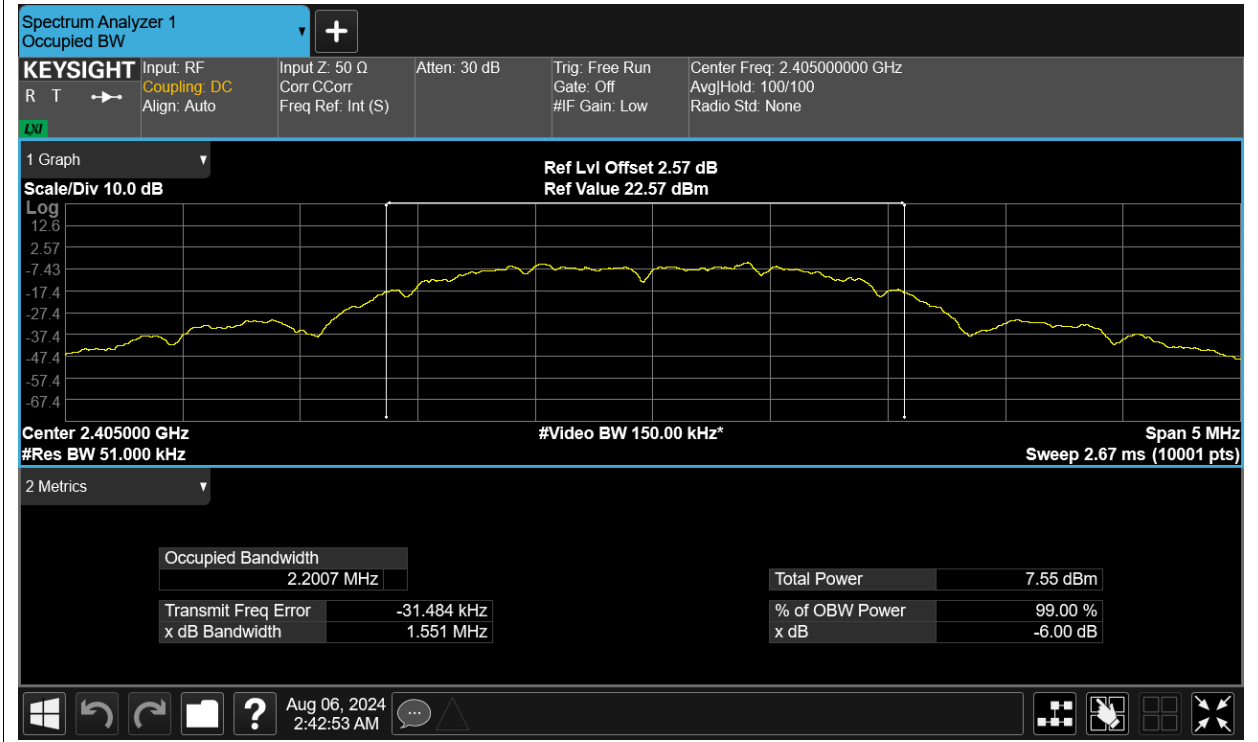


## Occupied Channel Bandwidth

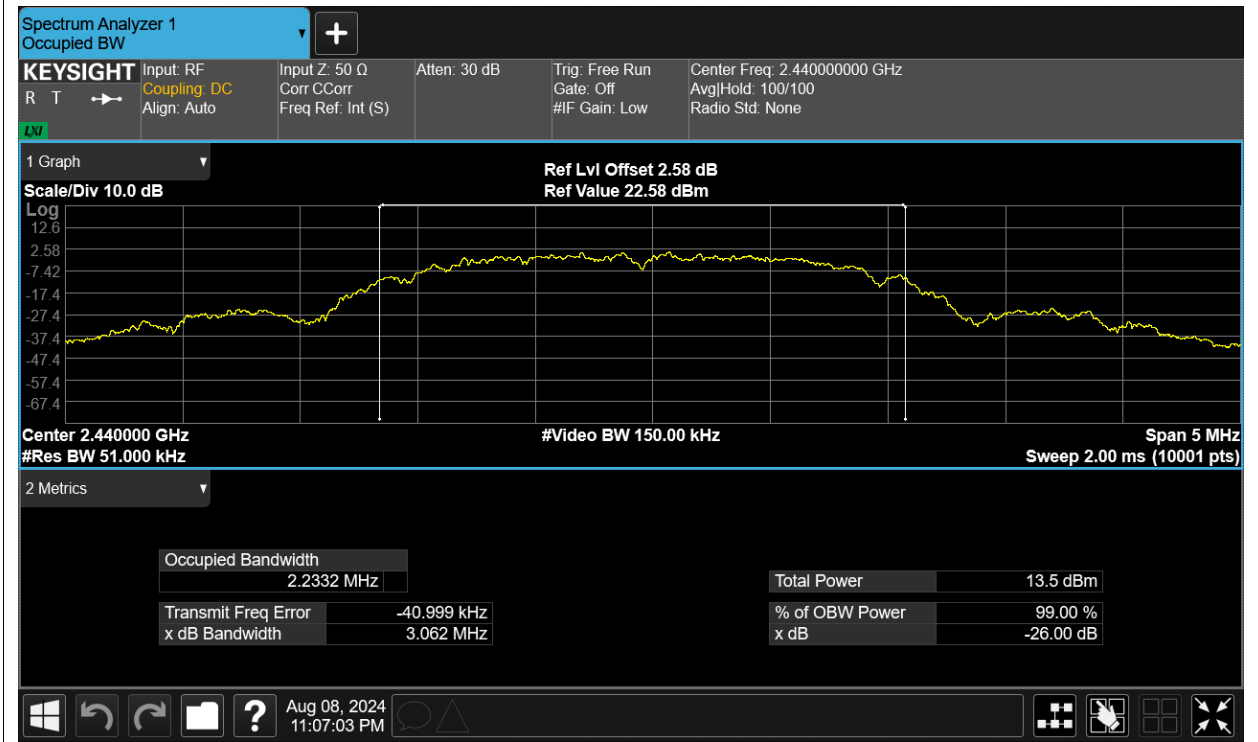
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ZigBee	2405	Ant3	2.201
NVNT	ZigBee	2440	Ant3	2.233
NVNT	ZigBee	2480	Ant3	2.252

Test Graphs

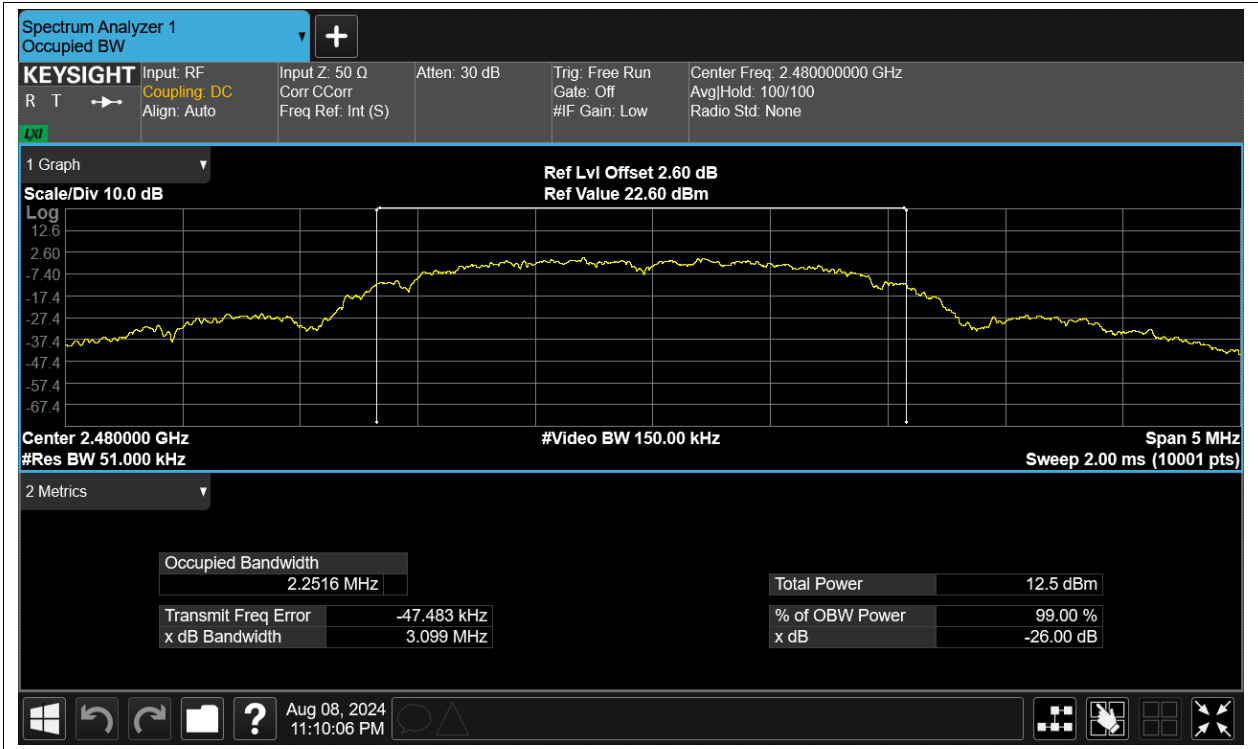
OBW NVNT ZigBee 2405MHz Ant3



OBW NVNT ZigBee 2440MHz Ant3



OBW NVNT ZigBee 2480MHz Ant3

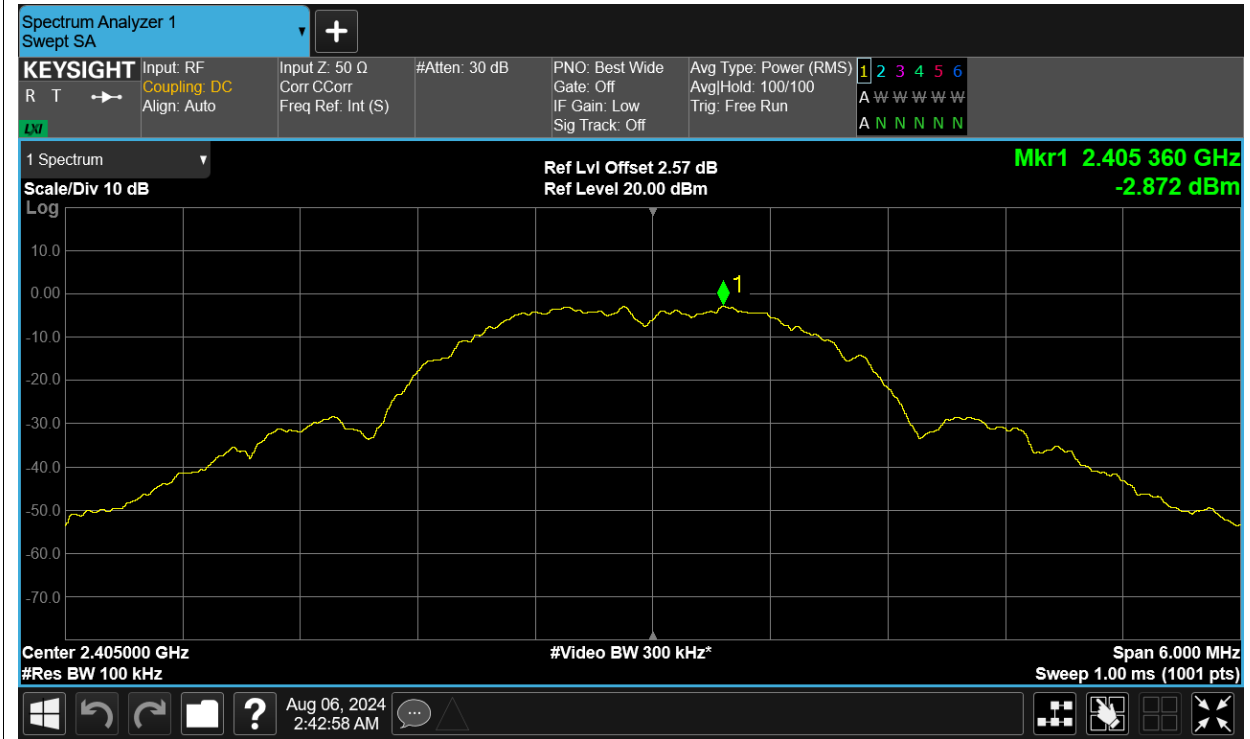


## Maximum Power Spectral Density Level

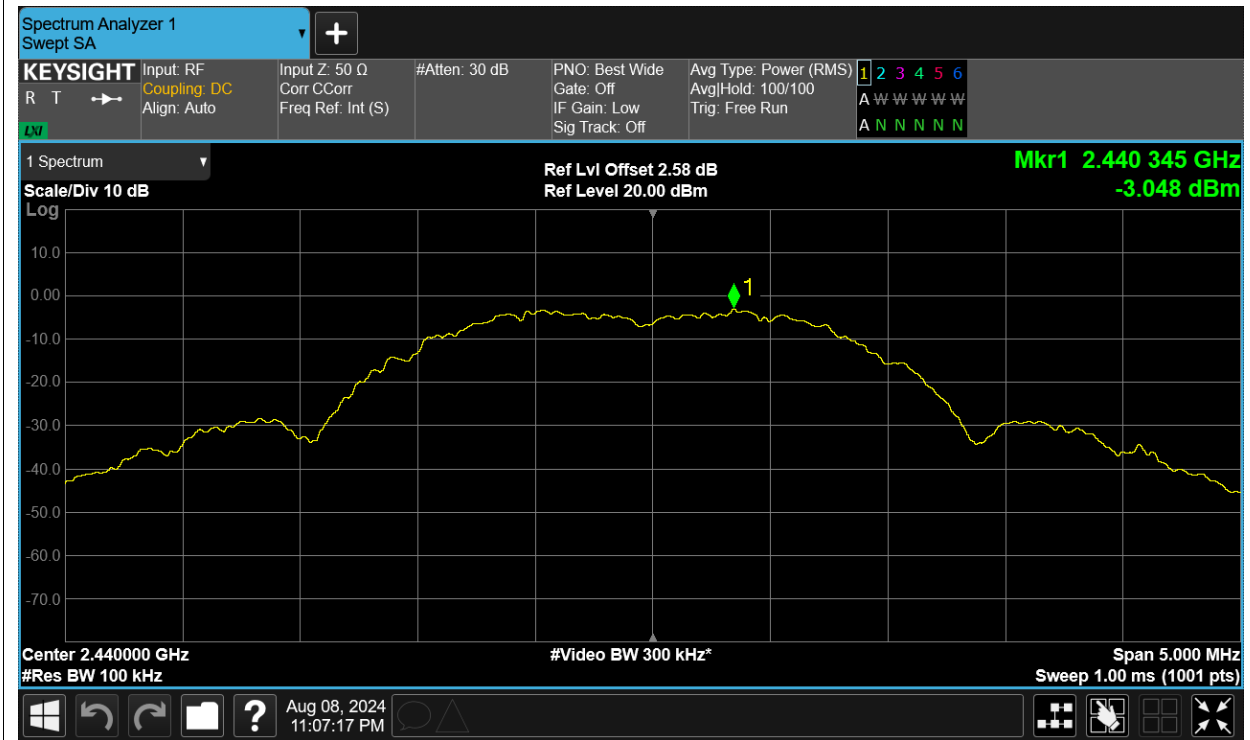
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ZigBee	2405	Ant3	-2.872	8	Pass
NVNT	ZigBee	2440	Ant3	-3.048	8	Pass
NVNT	ZigBee	2480	Ant3	-4.066	8	Pass

Test Graphs

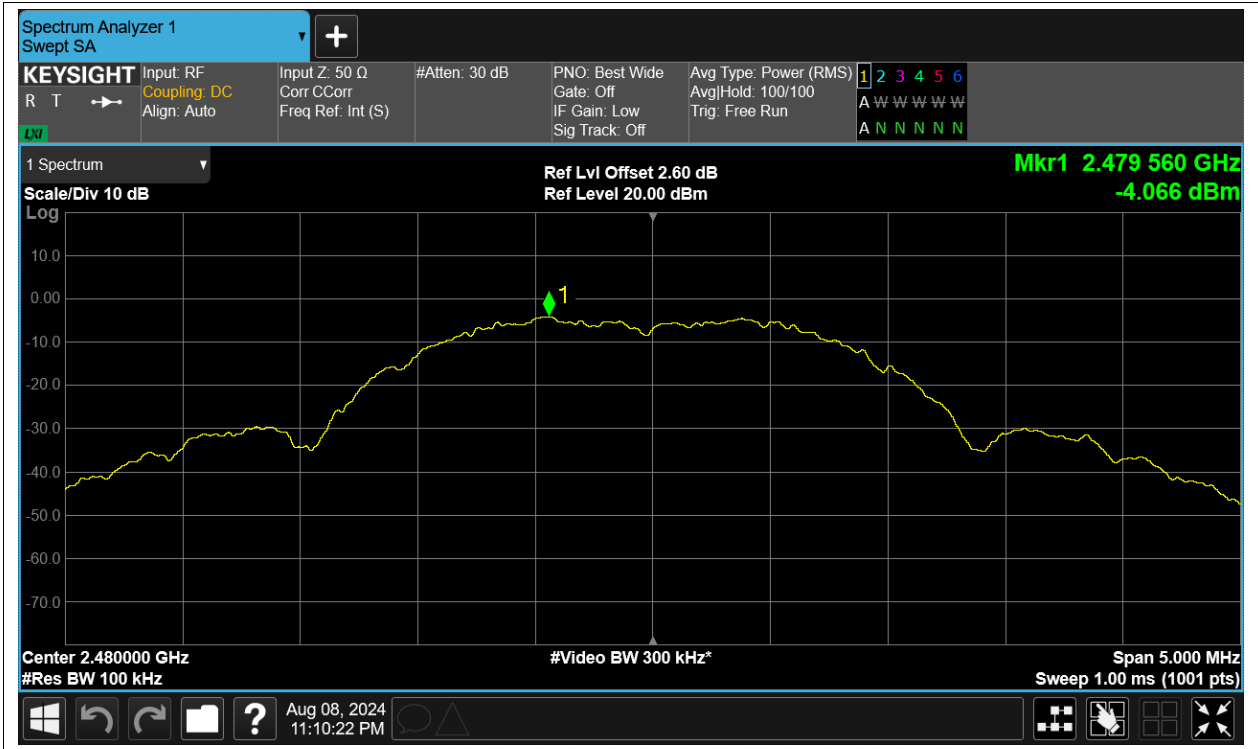
PSD NVNT ZigBee 2405MHz Ant3



PSD NVNT ZigBee 2440MHz Ant3



PSD NVNT ZigBee 2480MHz Ant3



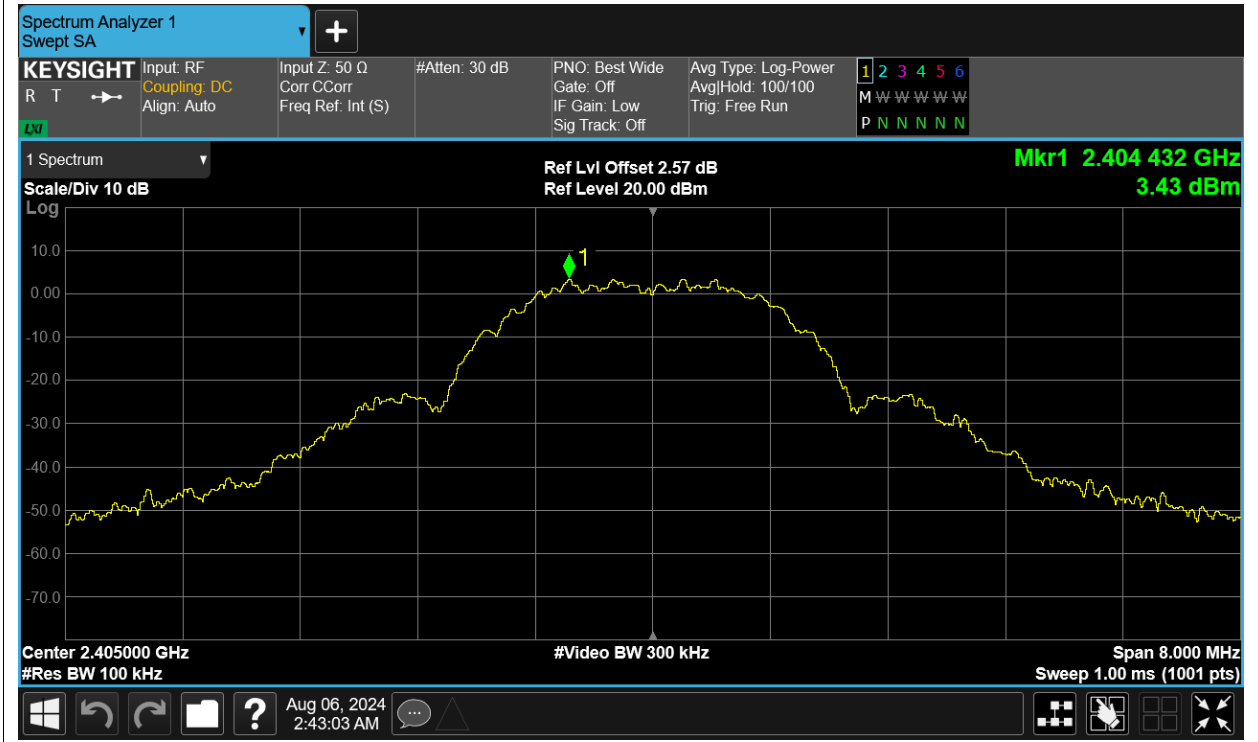
## Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ZigBee	2405	Ant3	-59.62	-30	Pass
NVNT	ZigBee	2480	Ant3	-50.99	-30	Pass

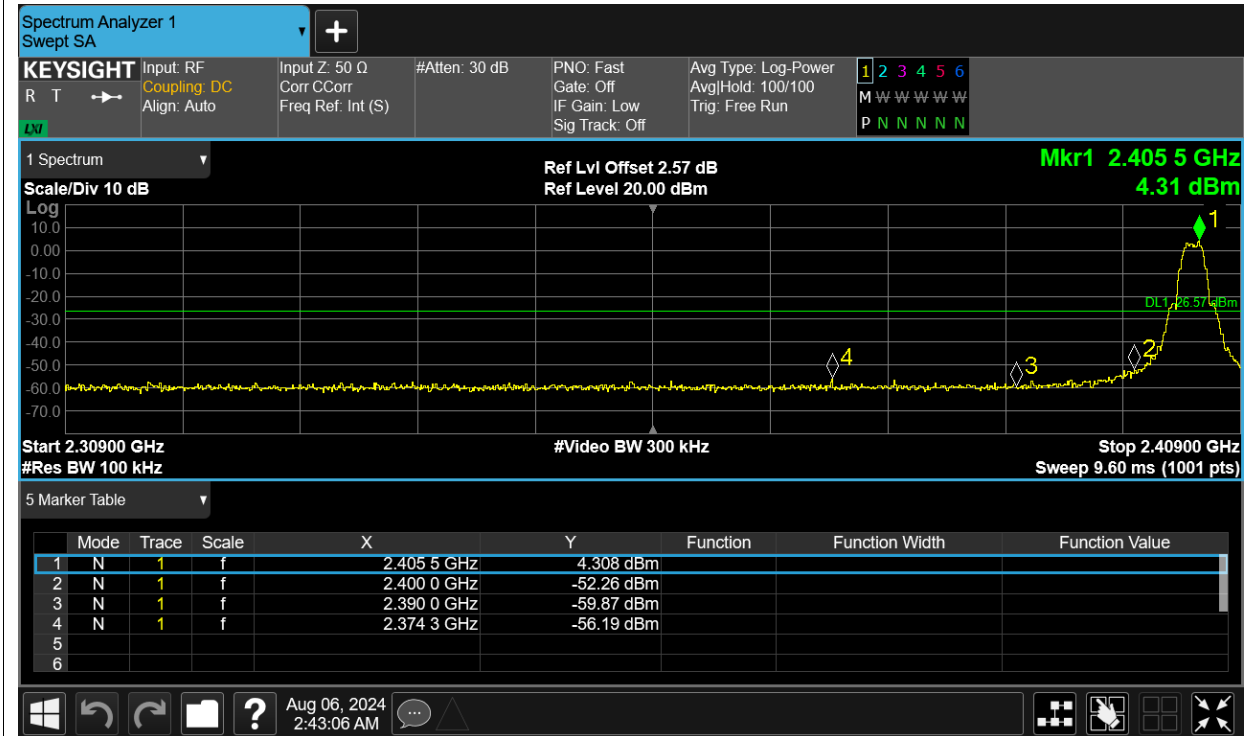


Test Graphs

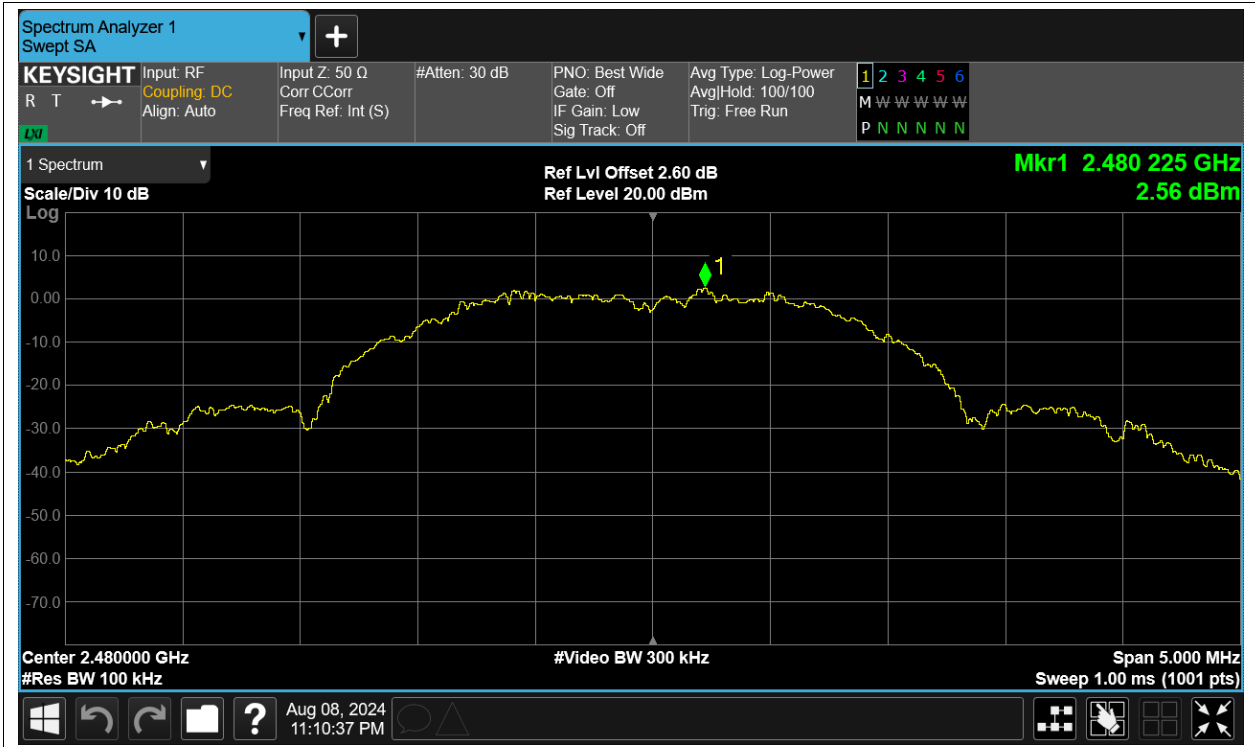
Band Edge NVNT ZigBee 2405MHz Ant3 Ref



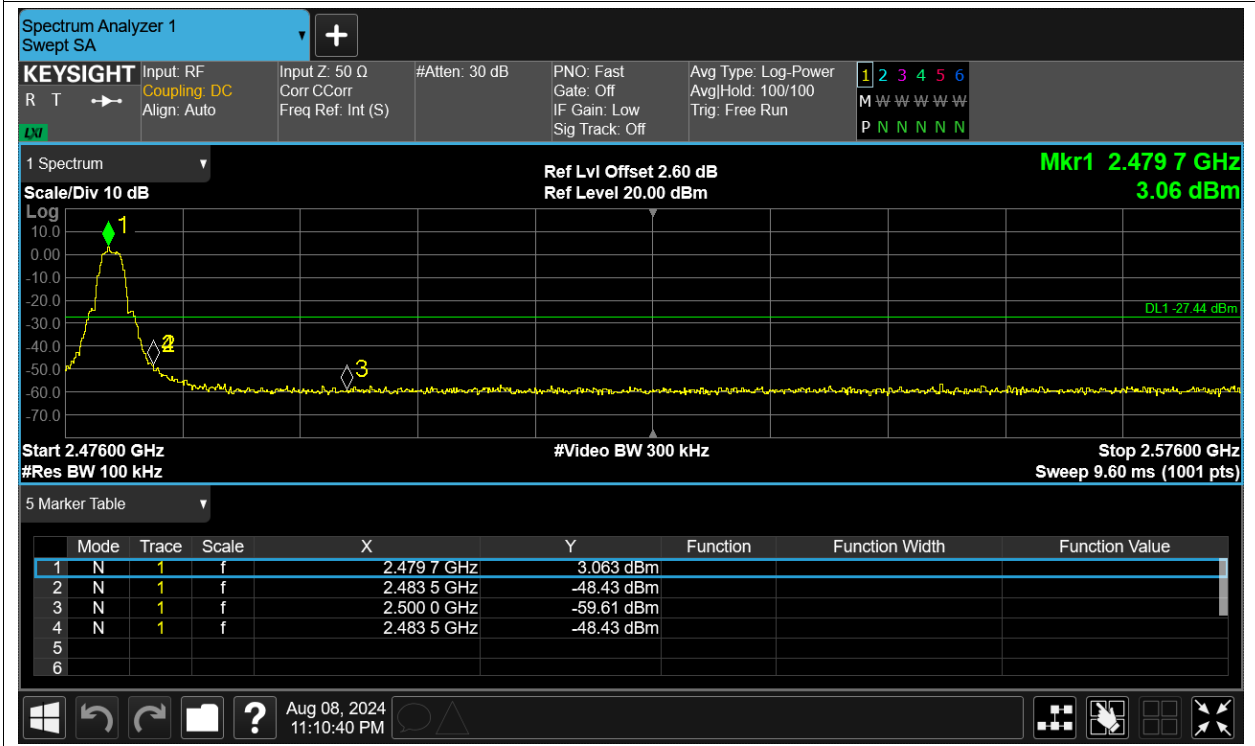
Band Edge NVNT ZigBee 2405MHz Ant3 Emission



Band Edge NVNT ZigBee 2480MHz Ant3 Ref



Band Edge NVNT ZigBee 2480MHz Ant3 Emission



## Conducted RF Spurious Emission

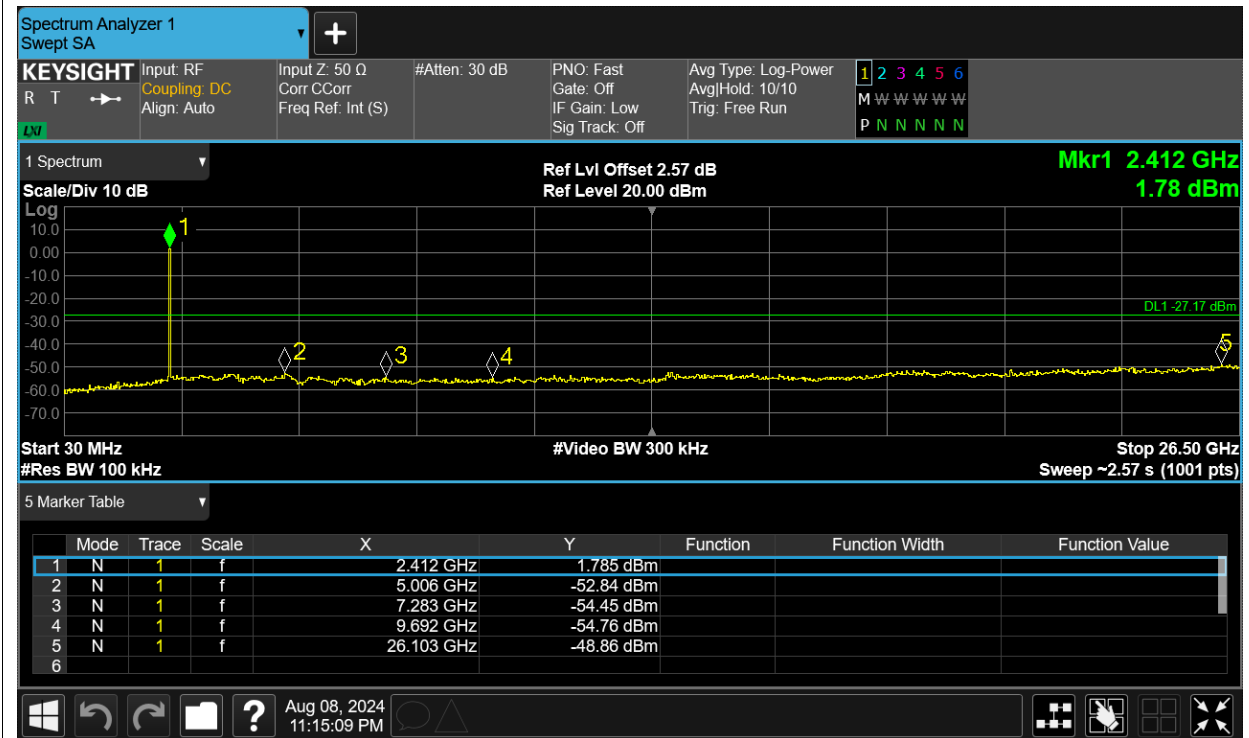
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ZigBee	2405	Ant3	-51.69	-30	Pass
NVNT	ZigBee	2440	Ant3	-51.37	-30	Pass
NVNT	ZigBee	2480	Ant3	-50.88	-30	Pass

Test Graphs

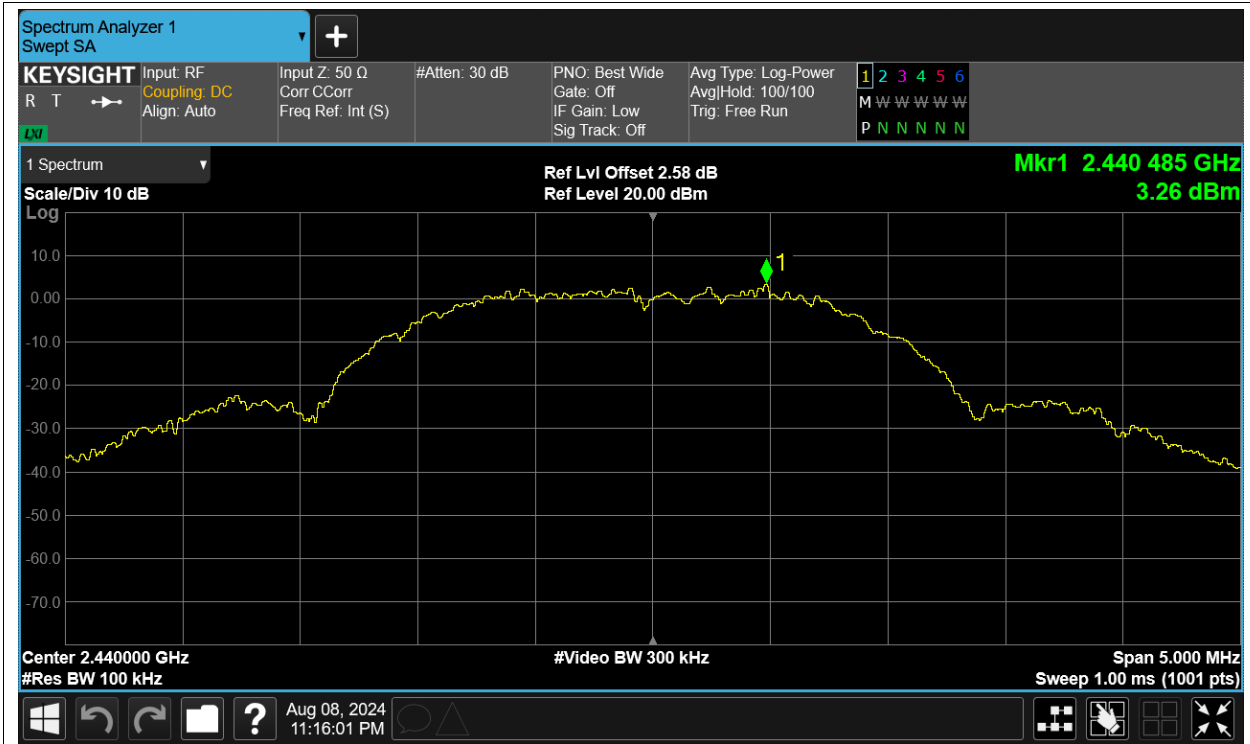
Tx. Spurious NVNT ZigBee 2405MHz Ant3 Ref



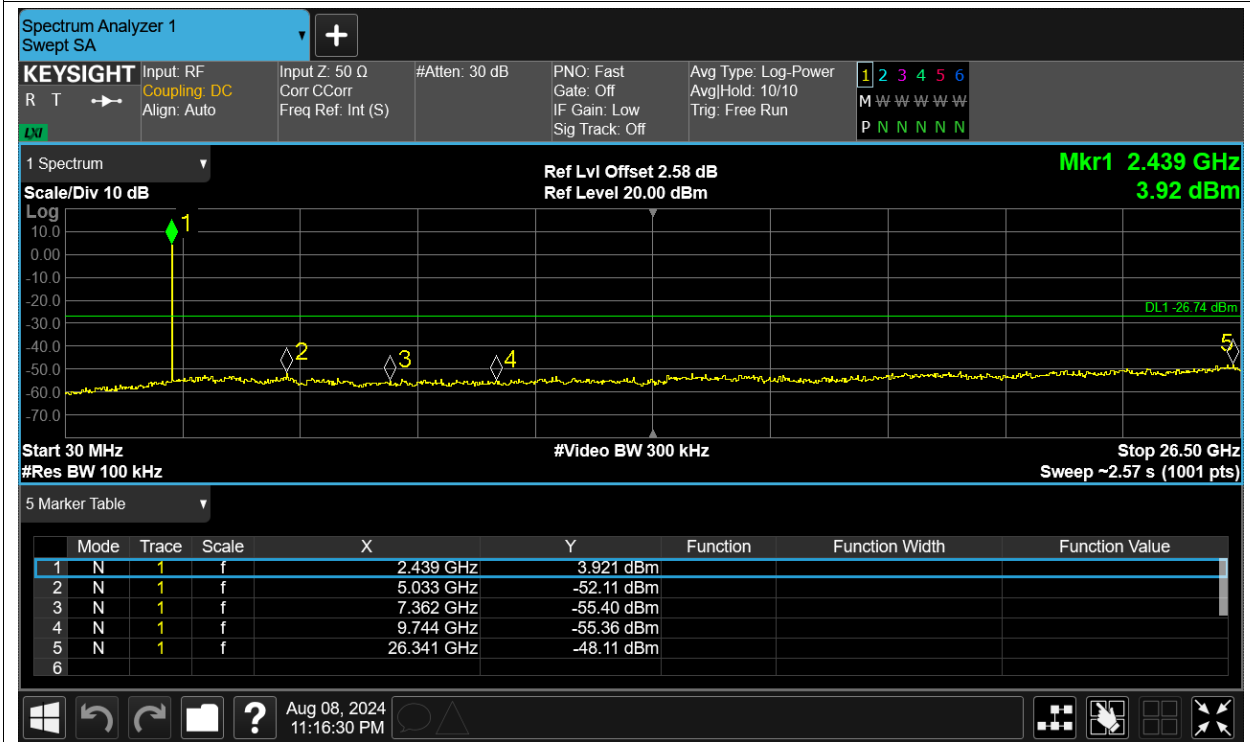
Tx. Spurious NVNT ZigBee 2405MHz Ant3 Emission



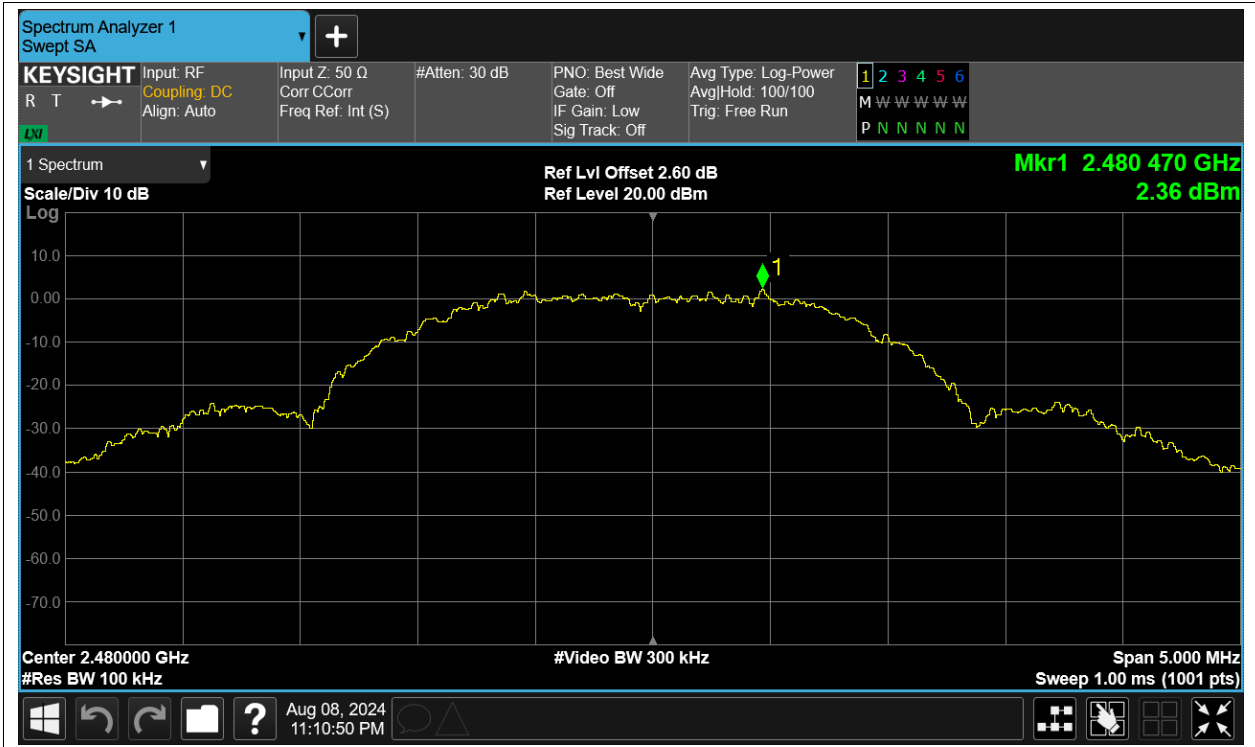
Tx. Spurious NVNT ZigBee 2440MHz Ant3 Ref



Tx. Spurious NVNT ZigBee 2440MHz Ant3 Emission



Tx. Spurious NVNT ZigBee 2480MHz Ant3 Ref



Tx. Spurious NVNT ZigBee 2480MHz Ant3 Emission

