

Appendix

Test Data

for BTEK240715010AE

Start date	2024/7/31	Finish date	2024/7/31
Temperature	23.6°C	Humidity	68%
RF specifications	2.4G_WIFI	Test Engineer	Zora



Table of Contents

1. -6dB Bandwidth	3
2. 99% Occupied Bandwidth	16
3. Duty Cycle	29
4. MAX. Output Power	42
5. Power Spectral Density	55
6. Bandedge	71
7. Spurious Emission	87



1. -6dB Bandwidth

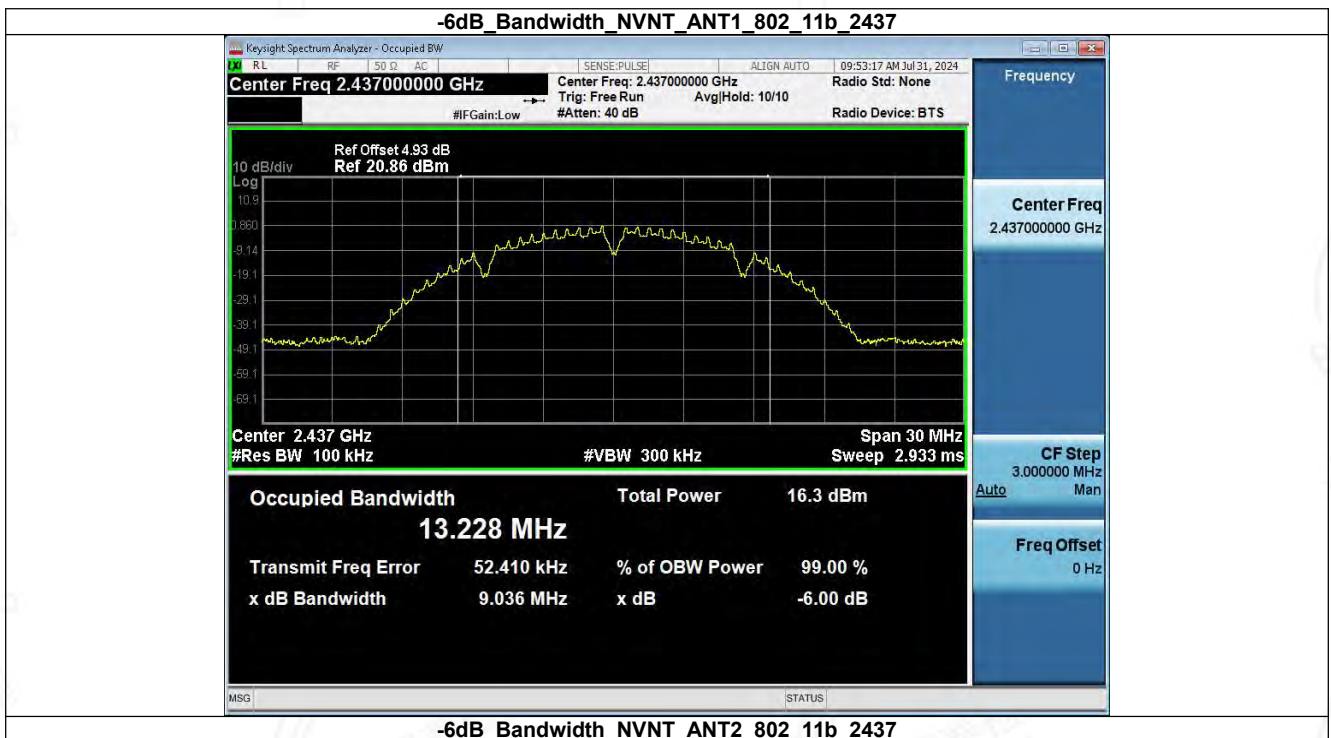
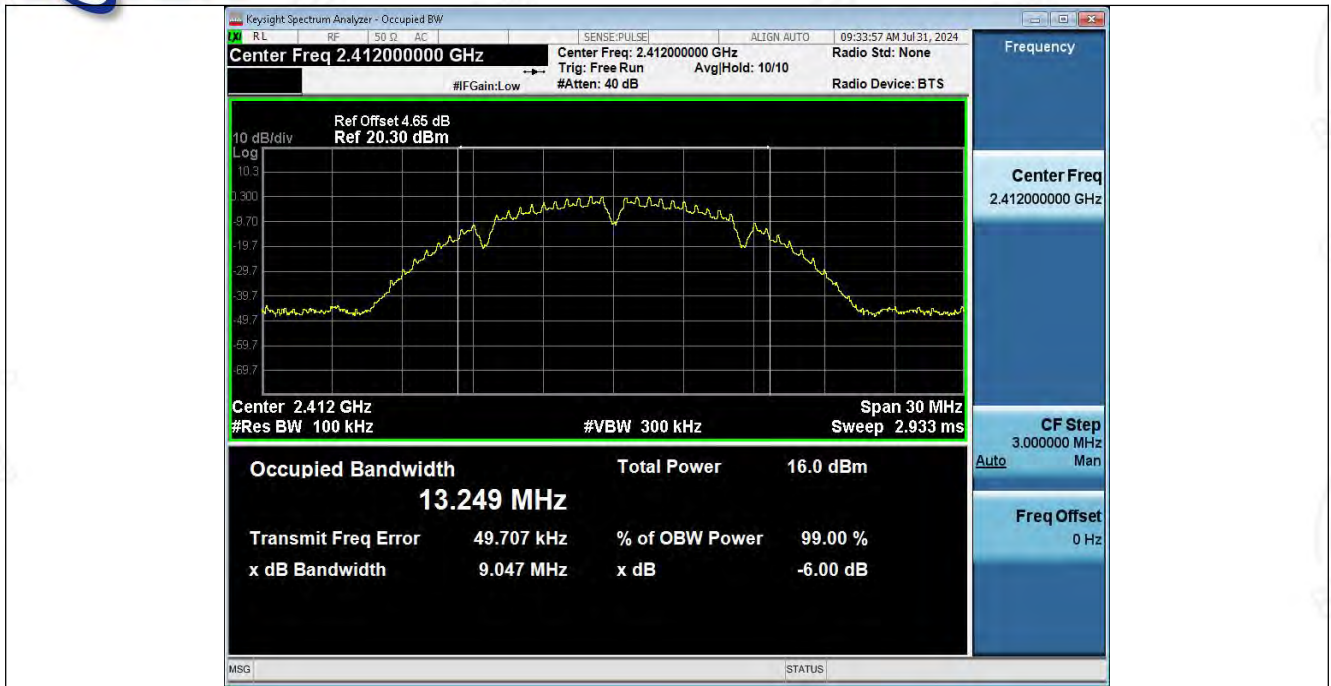
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.10	500	Pass
NVNT	ANT2	802.11b	2412.00	9.05	500	Pass
NVNT	ANT1	802.11b	2437.00	9.04	500	Pass
NVNT	ANT2	802.11b	2437.00	9.06	500	Pass
NVNT	ANT1	802.11b	2462.00	9.08	500	Pass
NVNT	ANT2	802.11b	2462.00	8.59	500	Pass
NVNT	ANT1	802.11g	2412.00	15.15	500	Pass
NVNT	ANT2	802.11g	2412.00	15.14	500	Pass
NVNT	ANT1	802.11g	2437.00	15.15	500	Pass
NVNT	ANT2	802.11g	2437.00	15.14	500	Pass
NVNT	ANT1	802.11g	2462.00	15.17	500	Pass
NVNT	ANT2	802.11g	2462.00	15.15	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.15	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	15.15	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.16	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	15.15	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	15.34	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	15.13	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.14	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	35.13	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.12	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	35.09	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.14	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	35.15	500	Pass

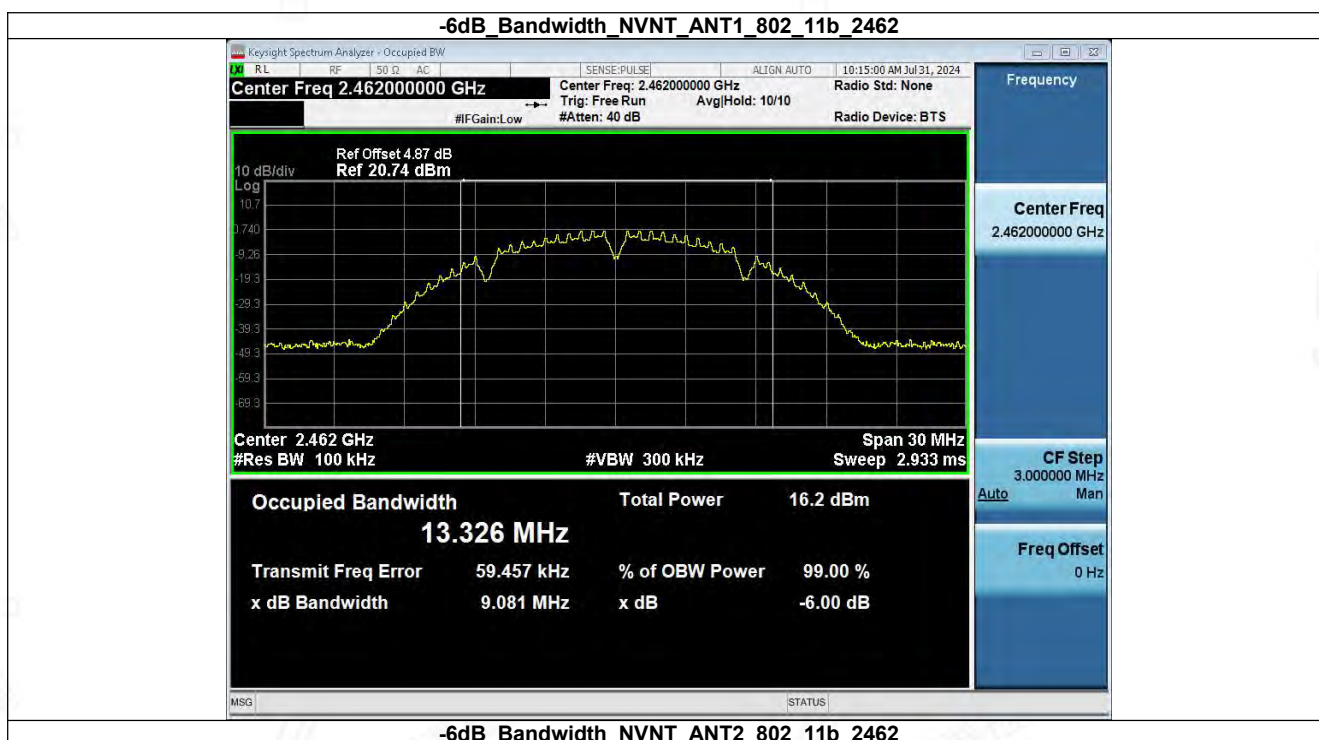
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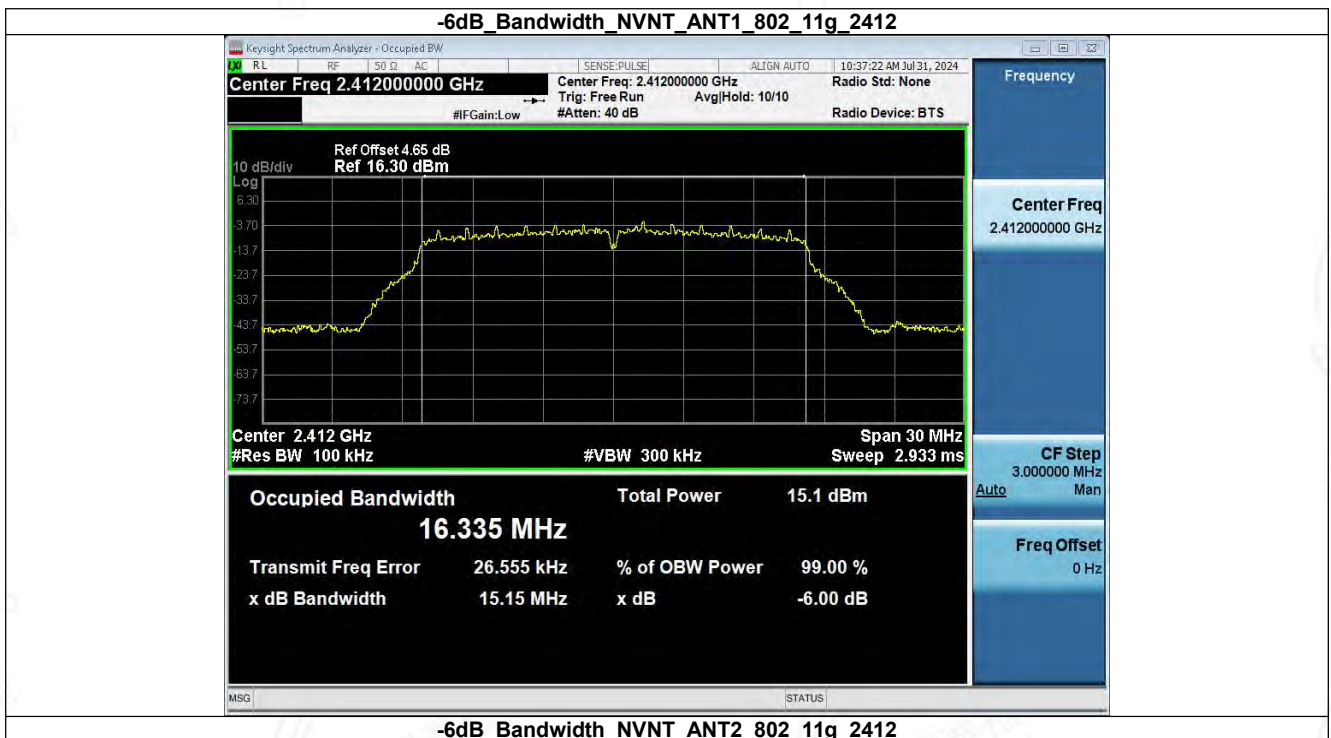


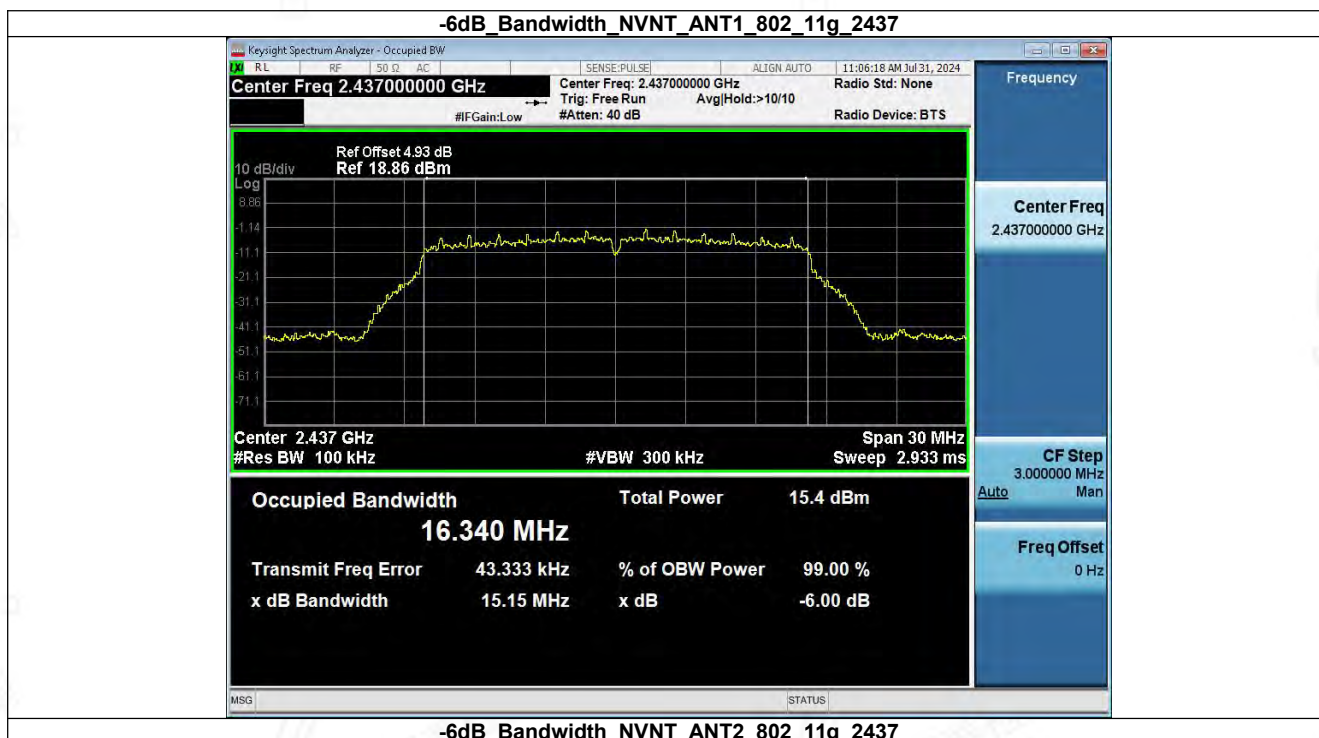
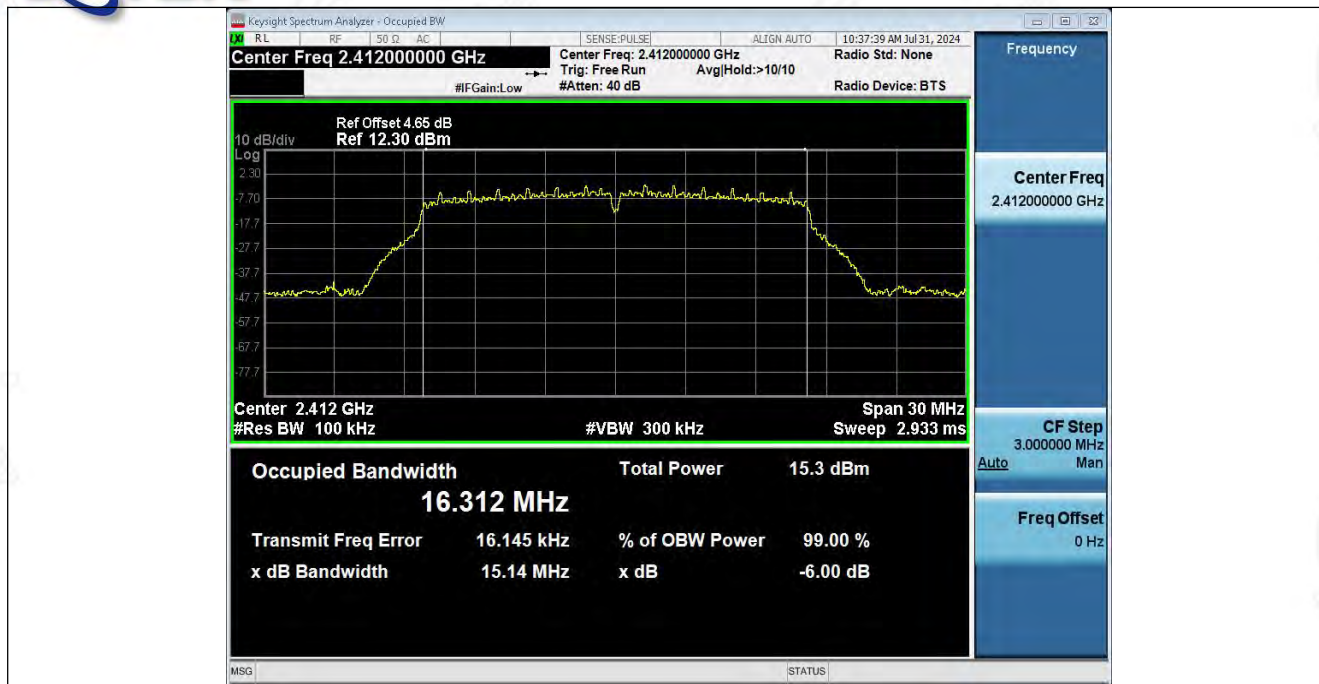
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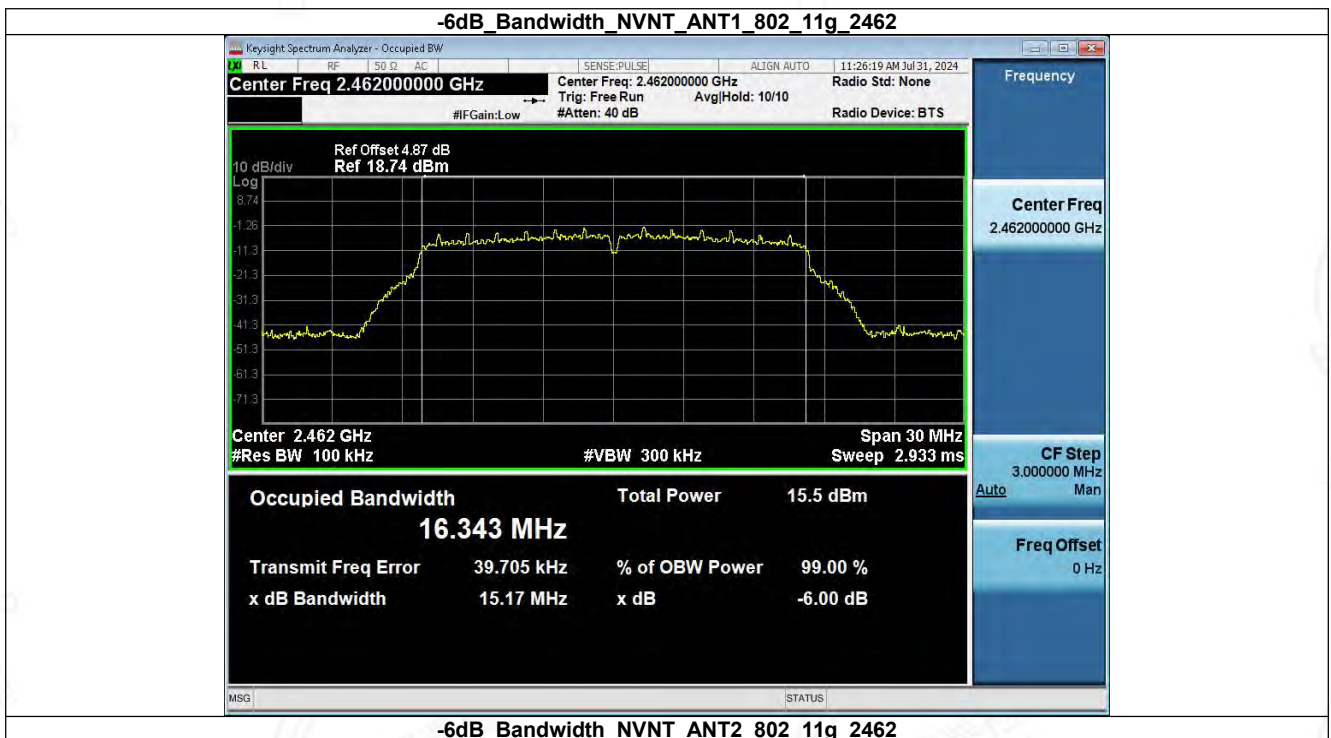
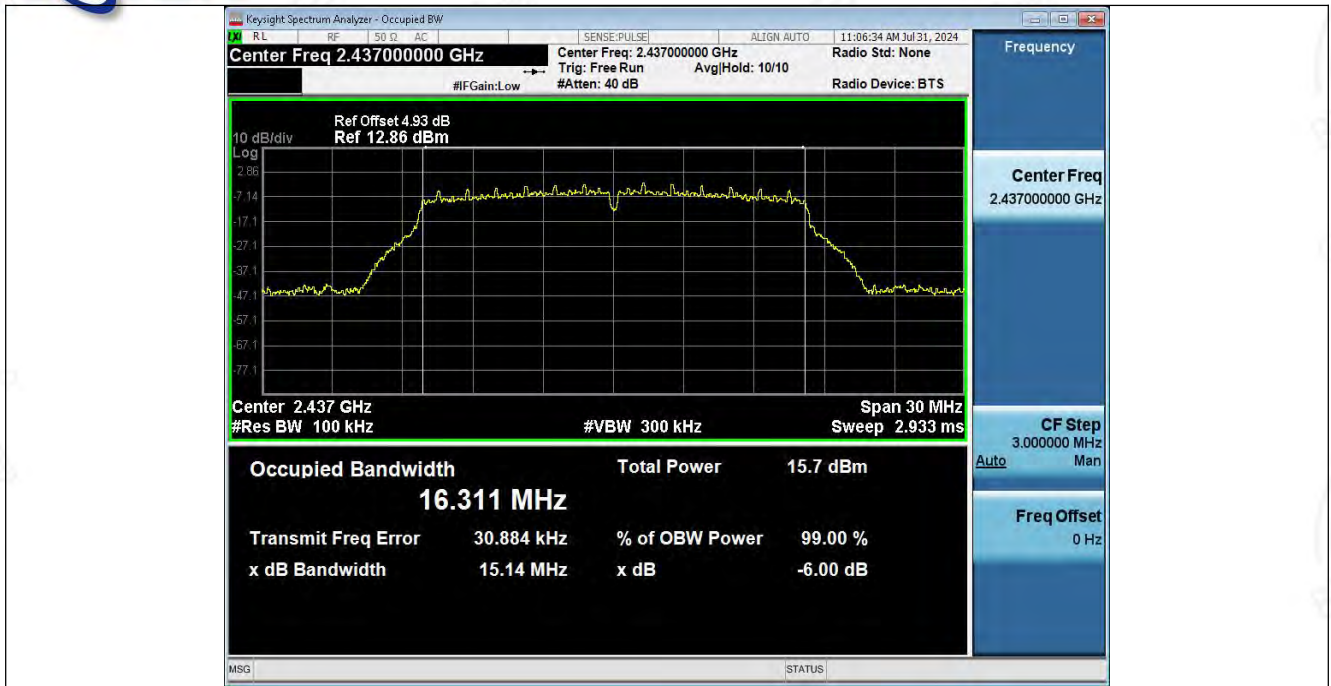


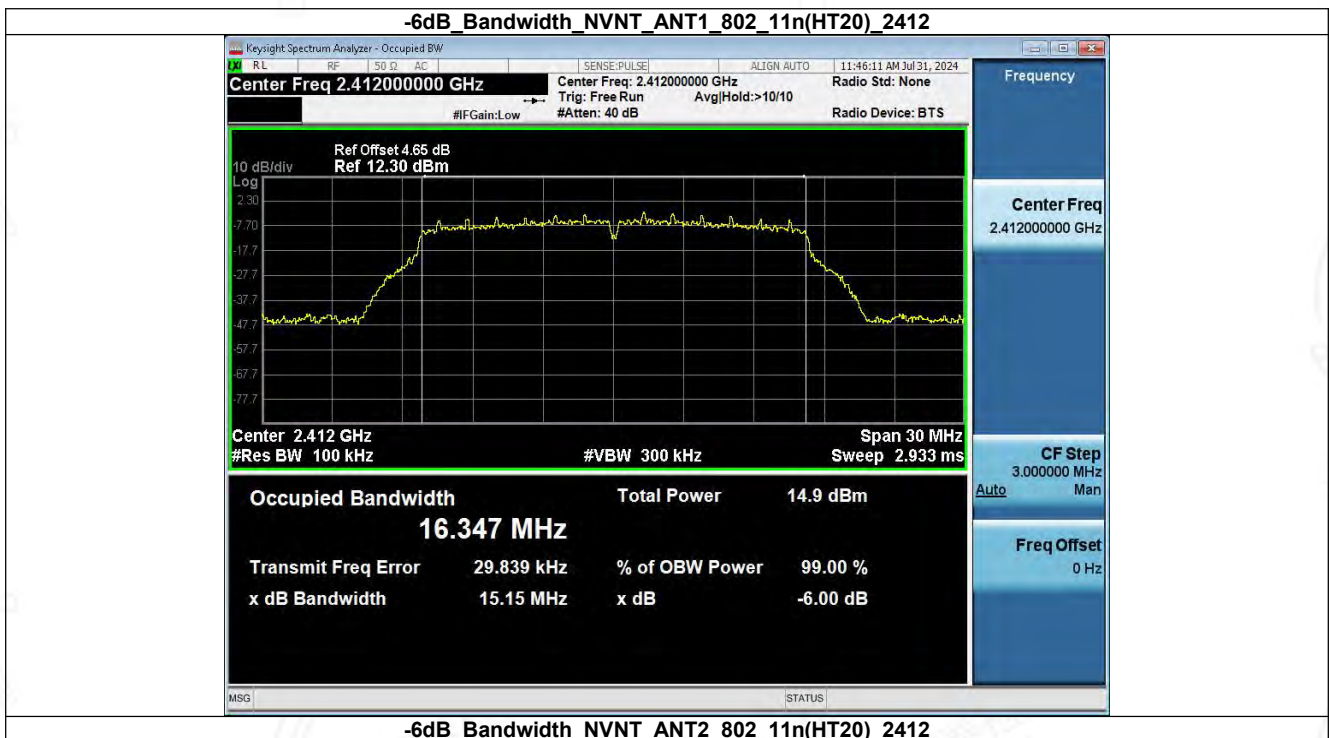
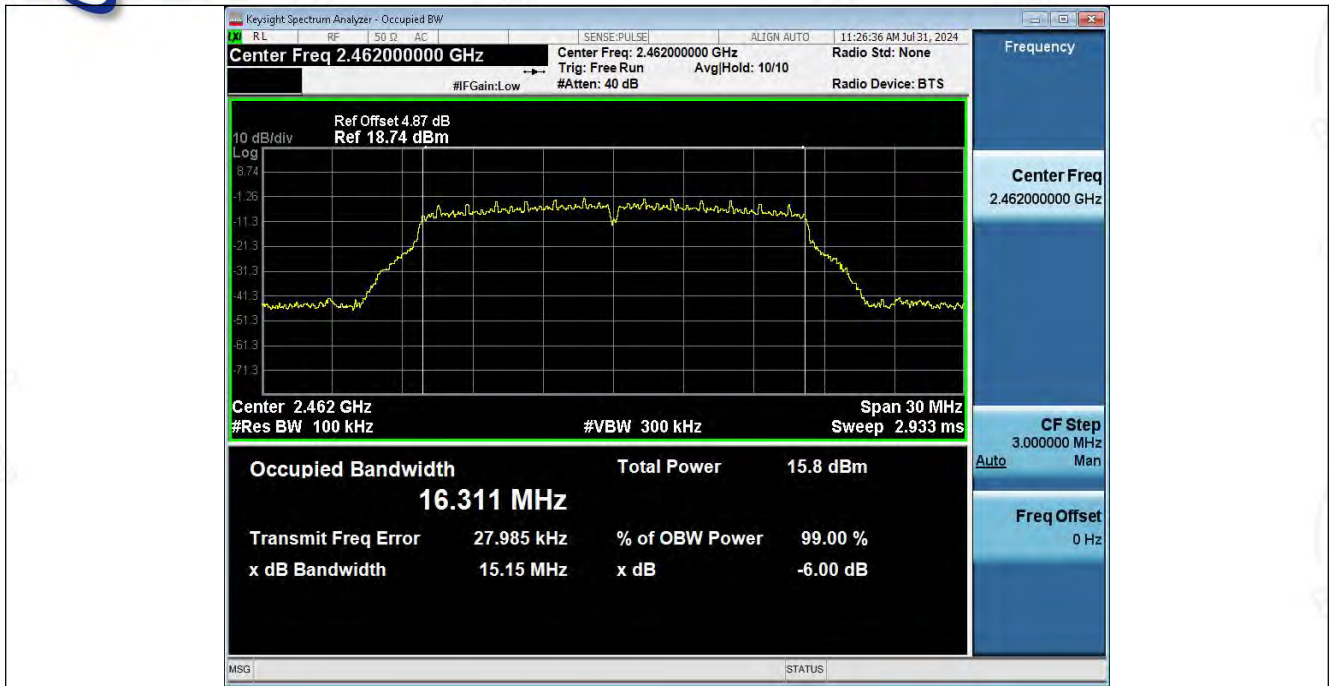


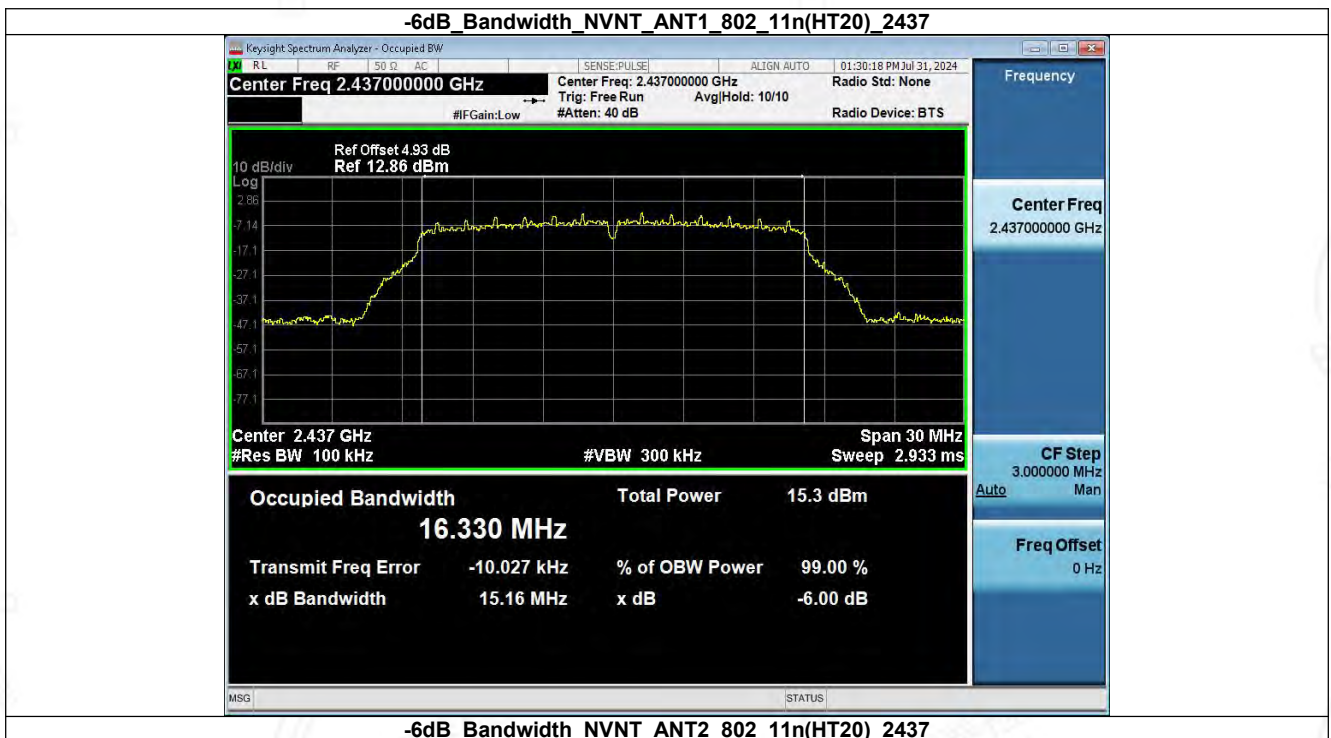


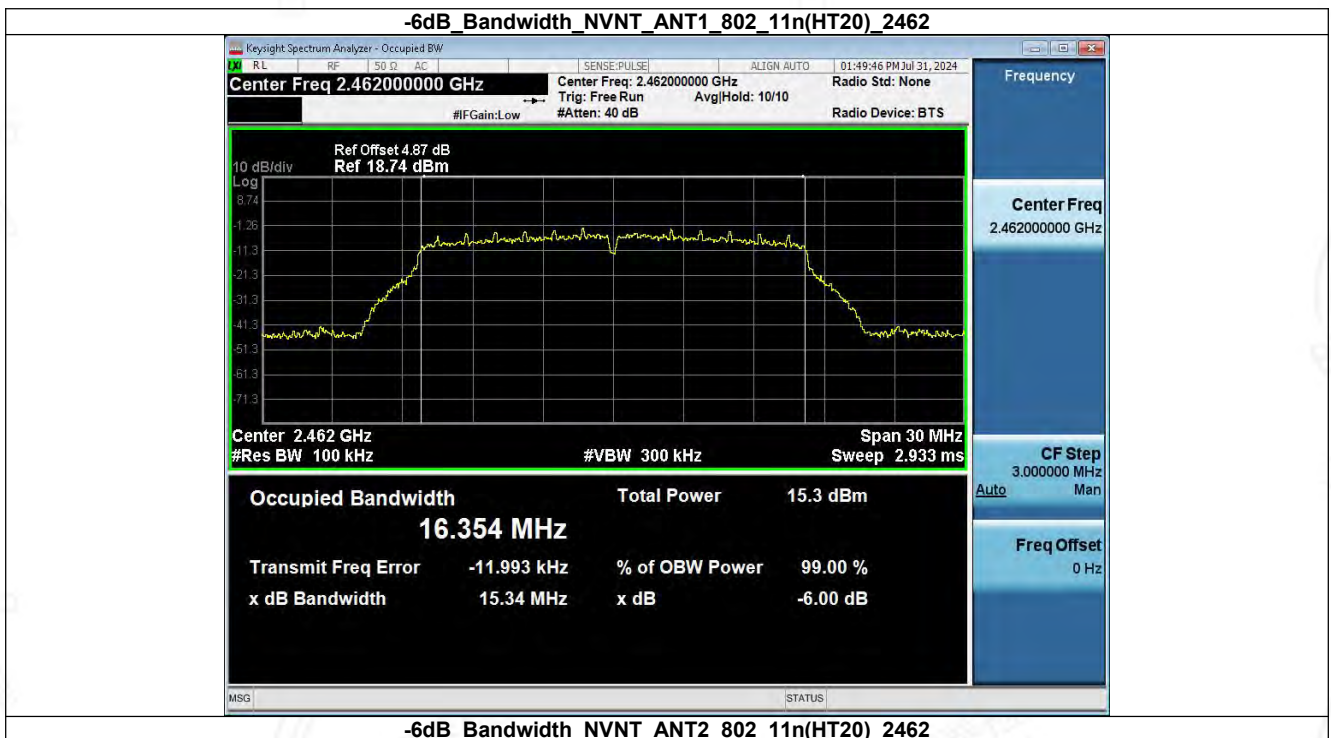
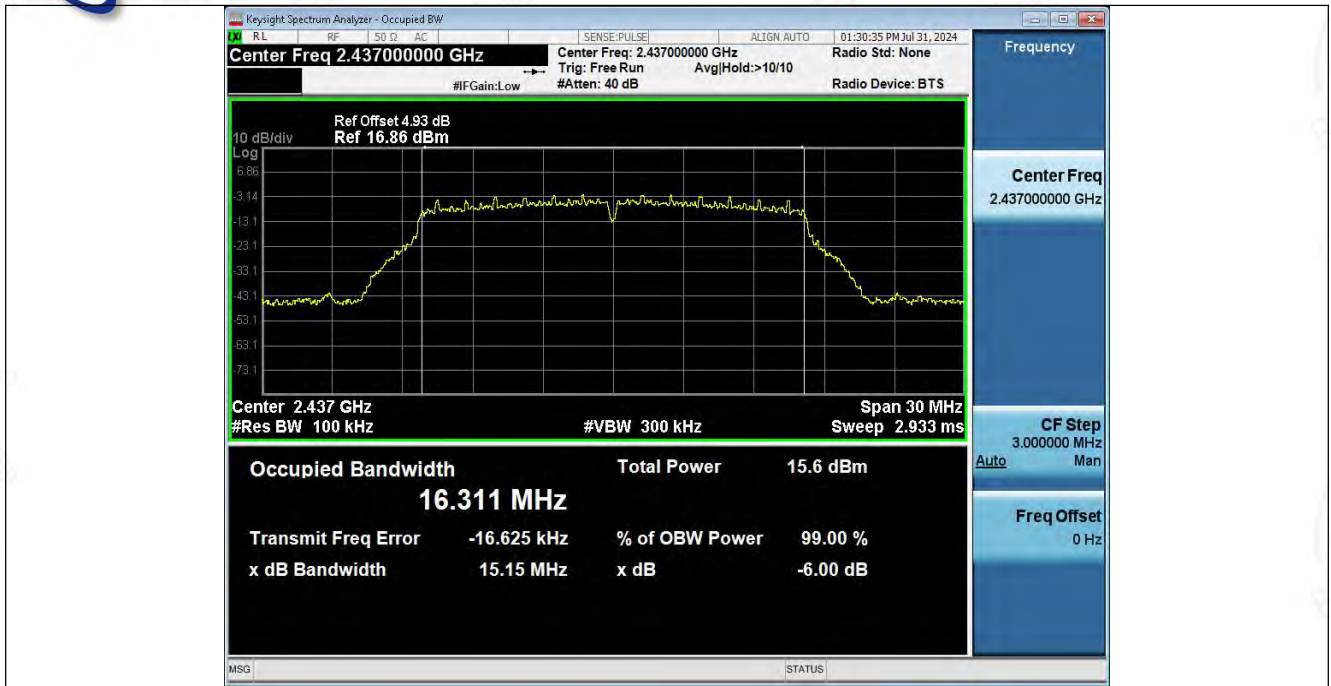


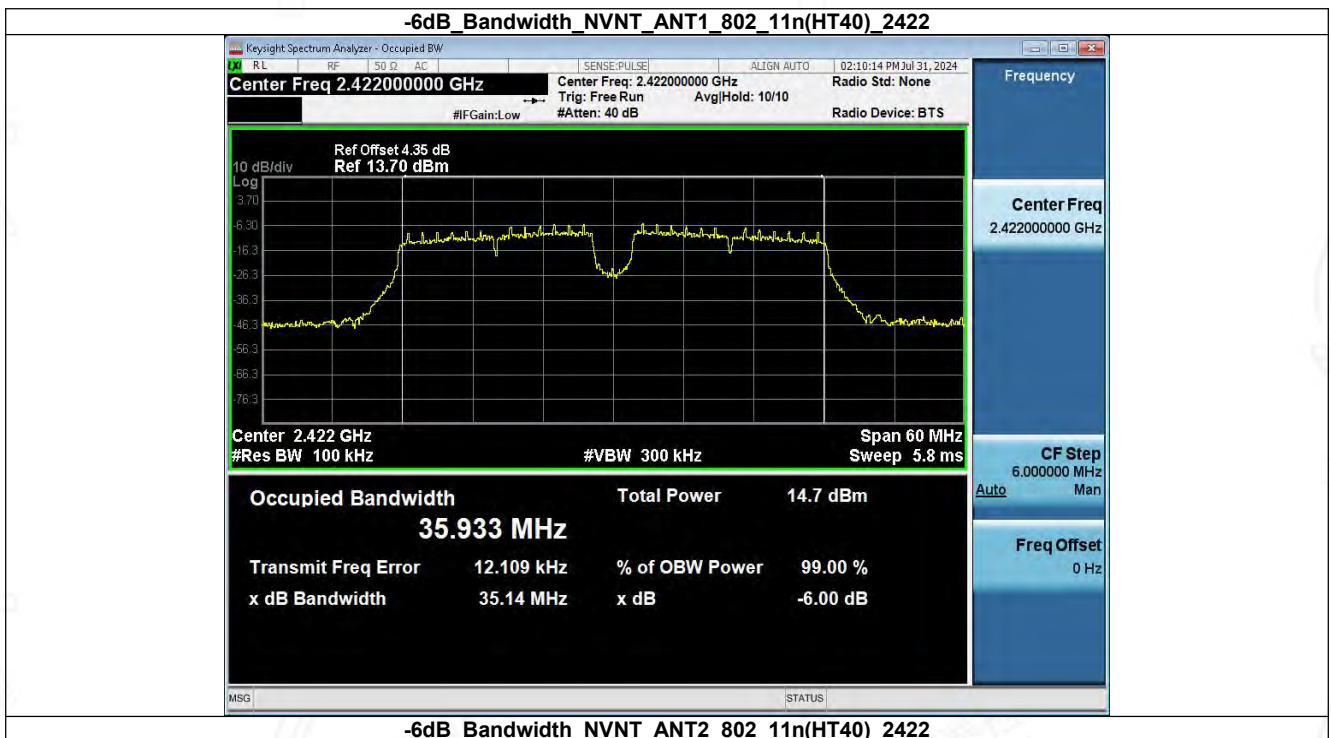


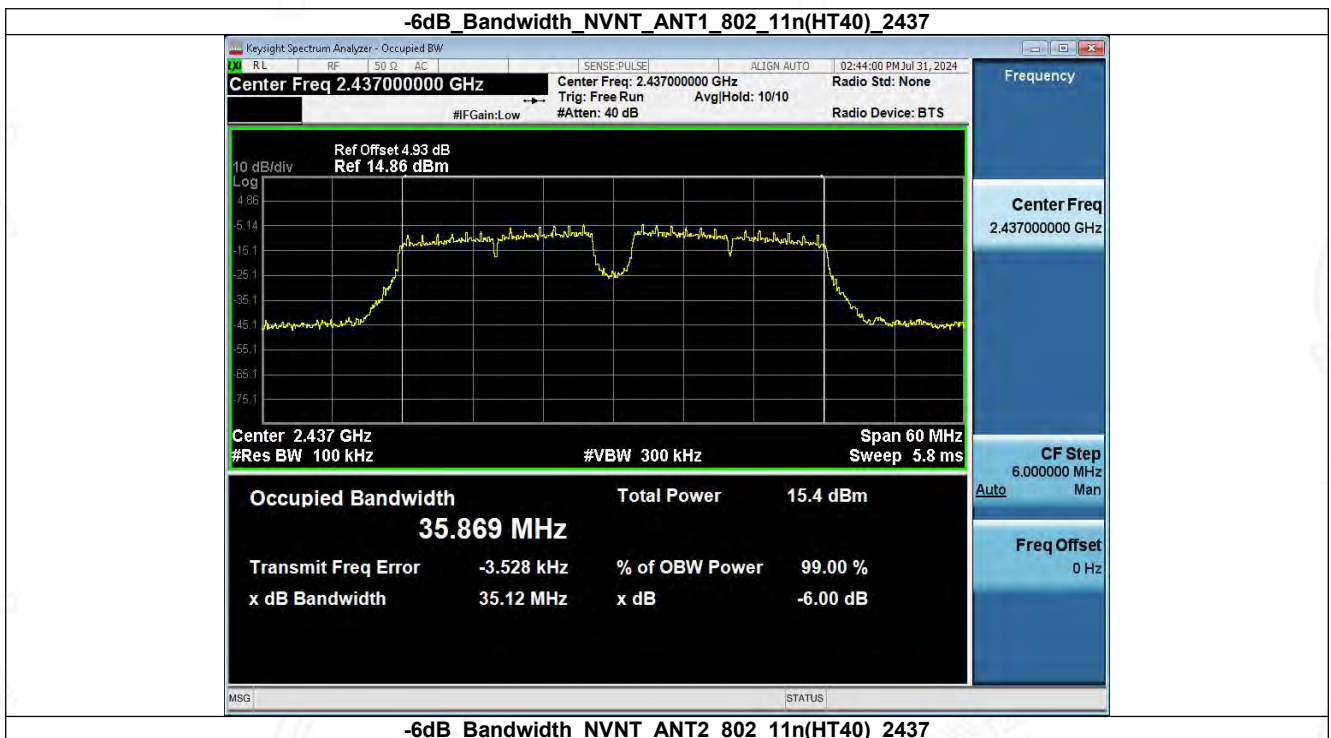
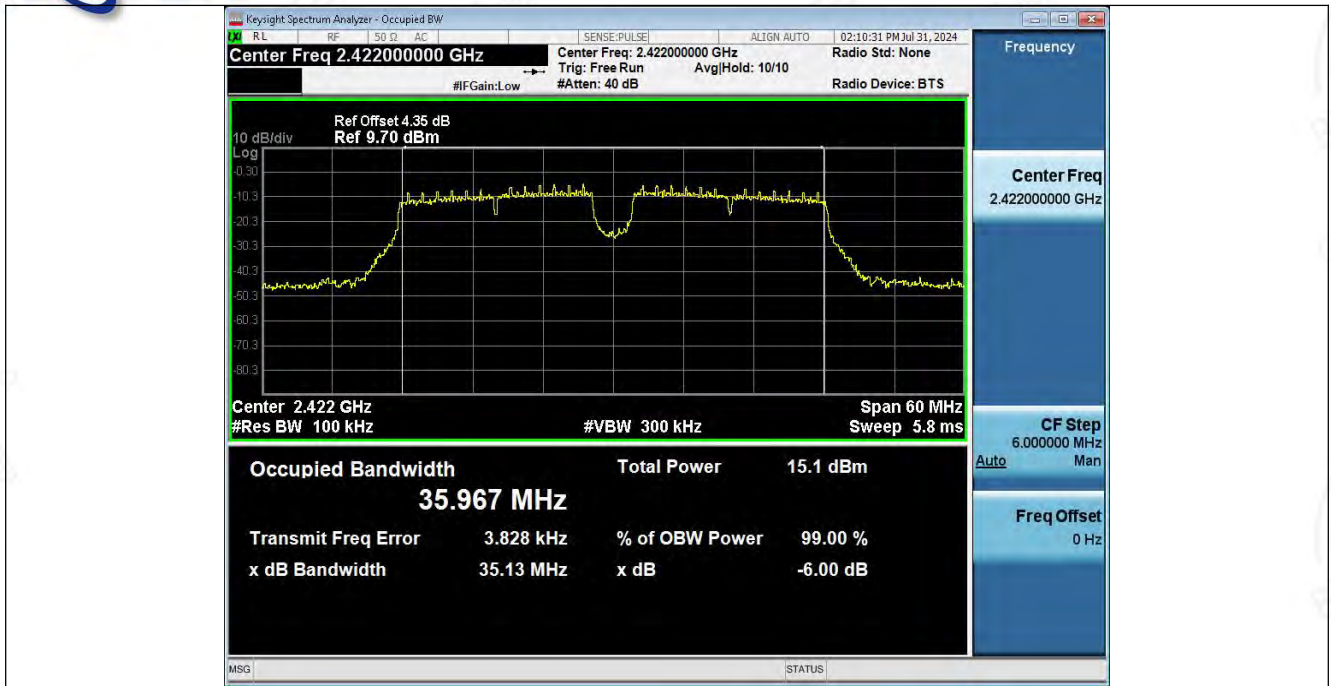


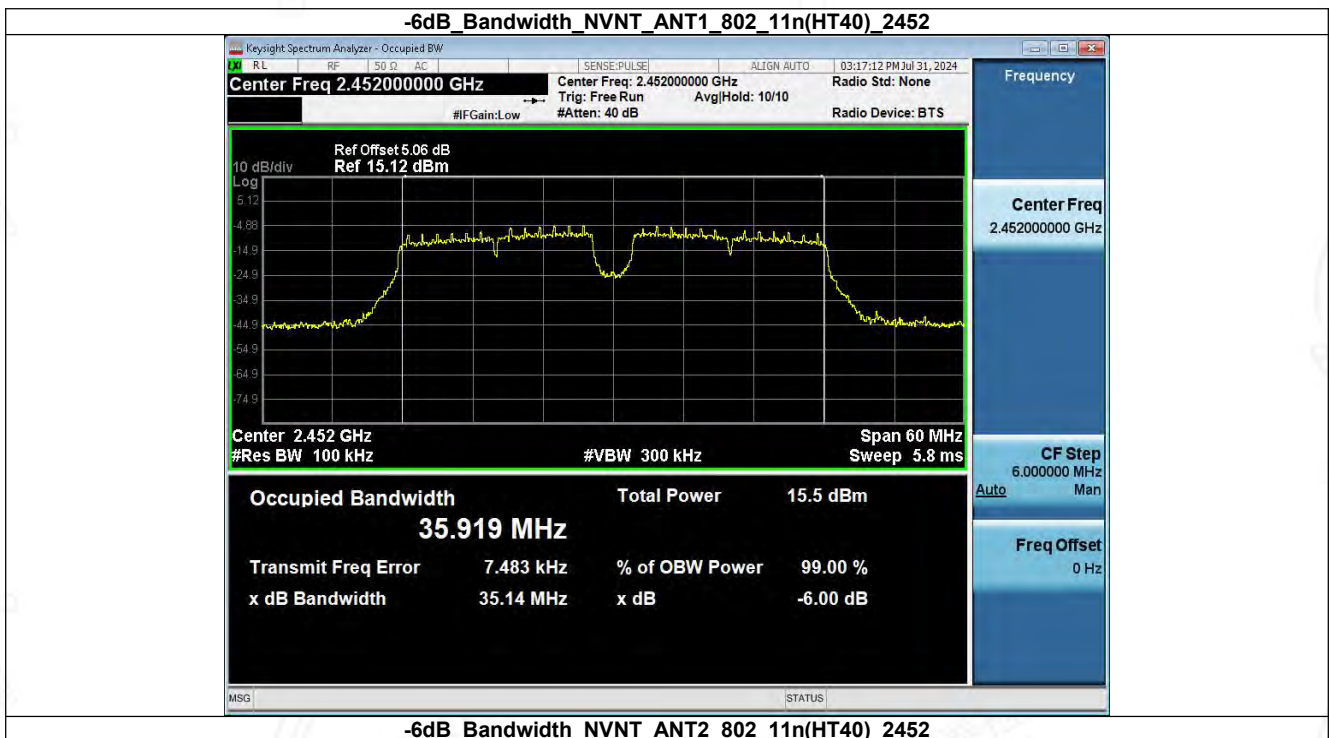
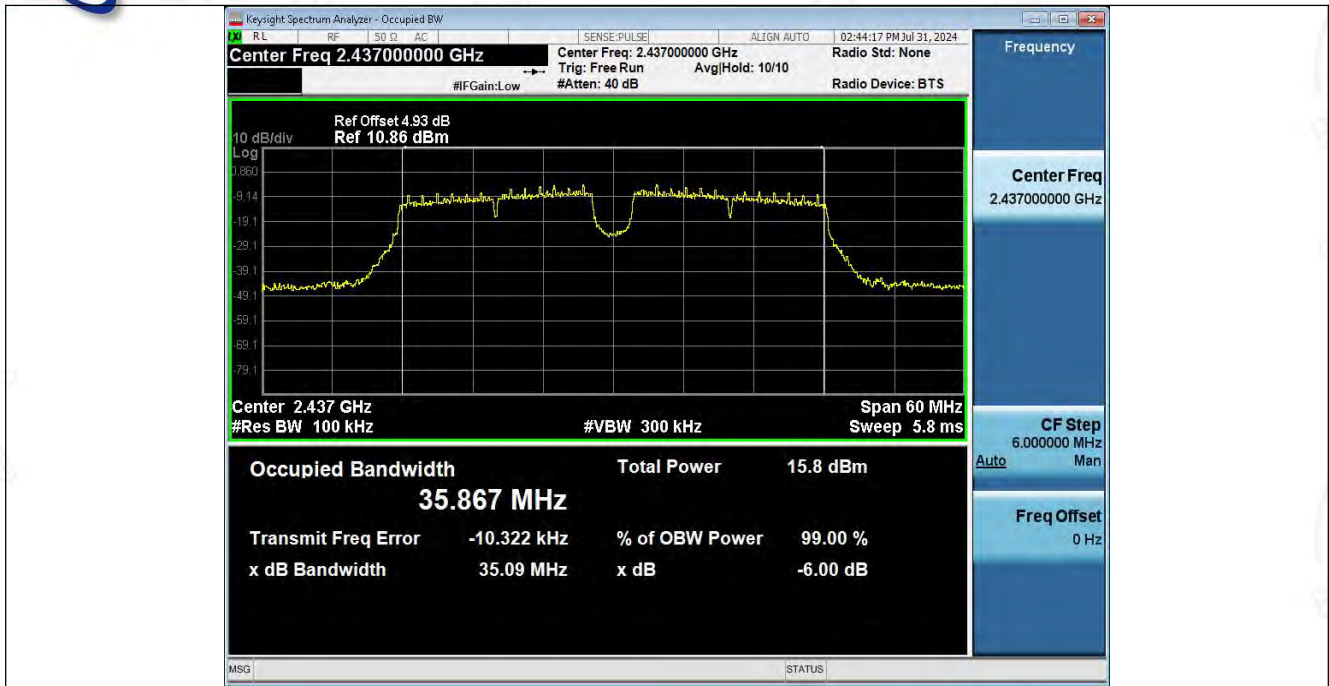














2. 99% Occupied Bandwidth

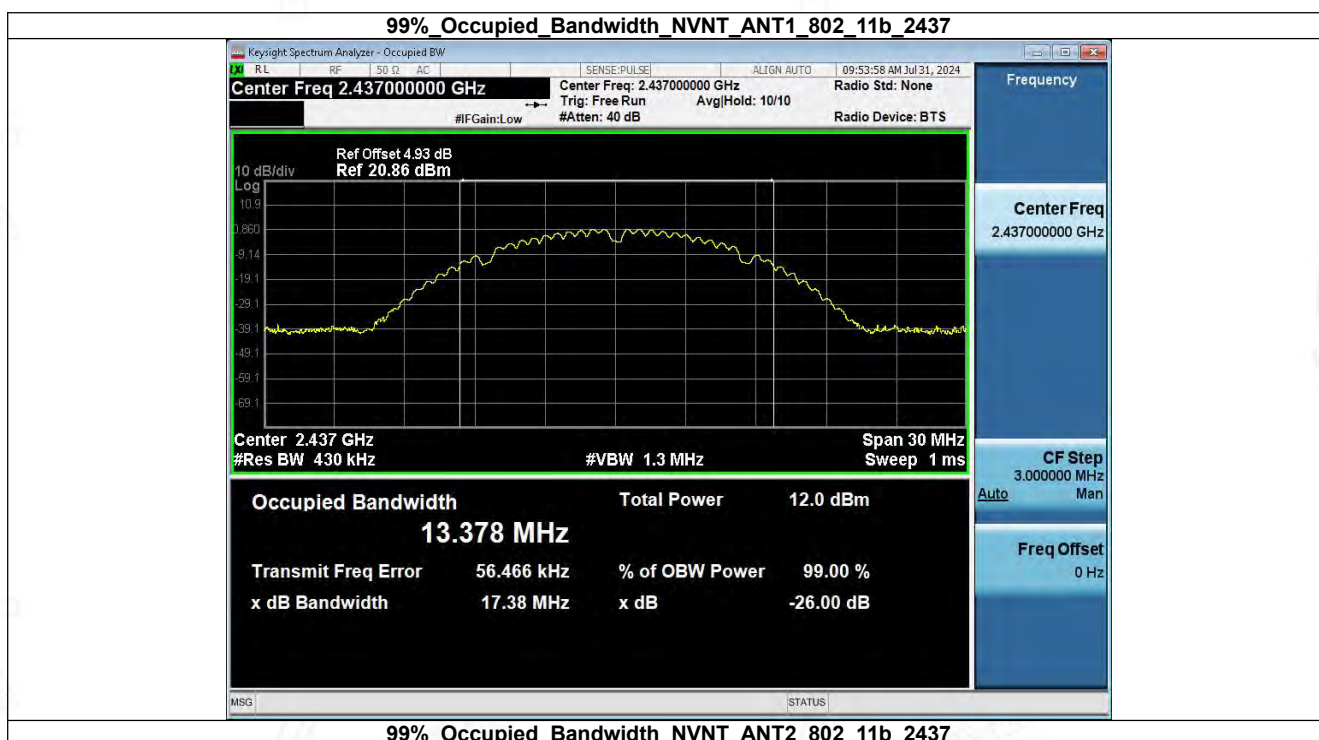
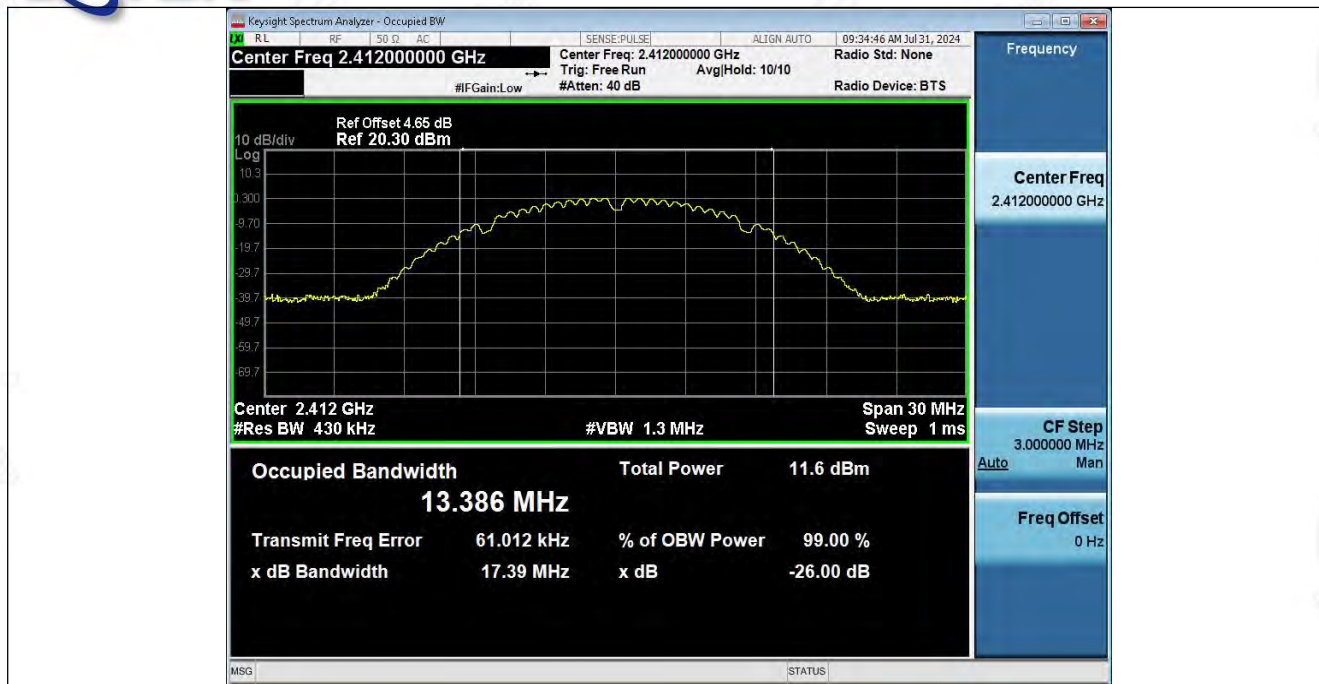
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.485
NVNT	ANT2	802.11b	2412.00	13.386
NVNT	ANT1	802.11b	2437.00	13.378
NVNT	ANT2	802.11b	2437.00	13.388
NVNT	ANT1	802.11b	2462.00	13.436
NVNT	ANT2	802.11b	2462.00	13.357
NVNT	ANT1	802.11g	2412.00	17.024
NVNT	ANT2	802.11g	2412.00	16.718
NVNT	ANT1	802.11g	2437.00	17.080
NVNT	ANT2	802.11g	2437.00	16.689
NVNT	ANT1	802.11g	2462.00	17.056
NVNT	ANT2	802.11g	2462.00	16.676
NVNT	ANT1	802.11n(HT20)	2412.00	17.062
NVNT	ANT2	802.11n(HT20)	2412.00	16.675
NVNT	ANT1	802.11n(HT20)	2437.00	16.995
NVNT	ANT2	802.11n(HT20)	2437.00	16.669
NVNT	ANT1	802.11n(HT20)	2462.00	17.030
NVNT	ANT2	802.11n(HT20)	2462.00	16.684
NVNT	ANT1	802.11n(HT40)	2422.00	36.603
NVNT	ANT2	802.11n(HT40)	2422.00	36.477
NVNT	ANT1	802.11n(HT40)	2437.00	36.396
NVNT	ANT2	802.11n(HT40)	2437.00	36.360
NVNT	ANT1	802.11n(HT40)	2452.00	36.552
NVNT	ANT2	802.11n(HT40)	2452.00	36.469

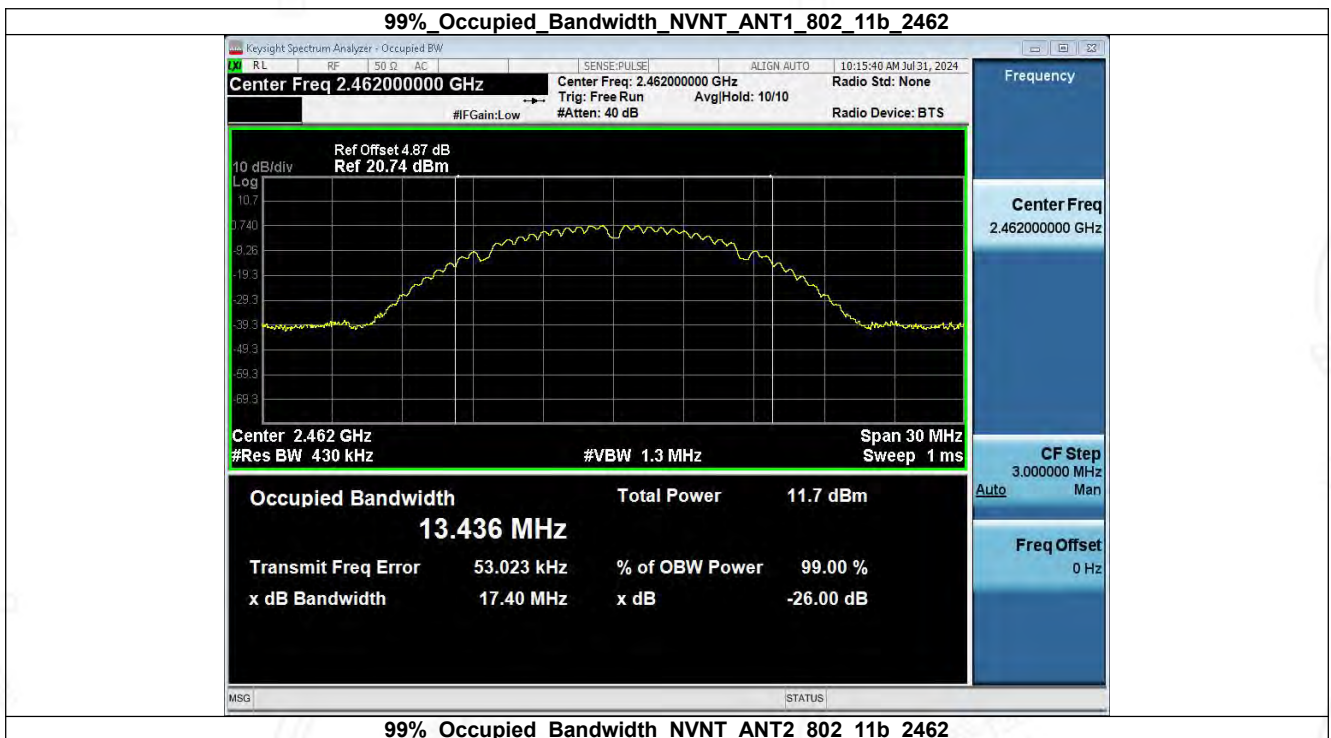
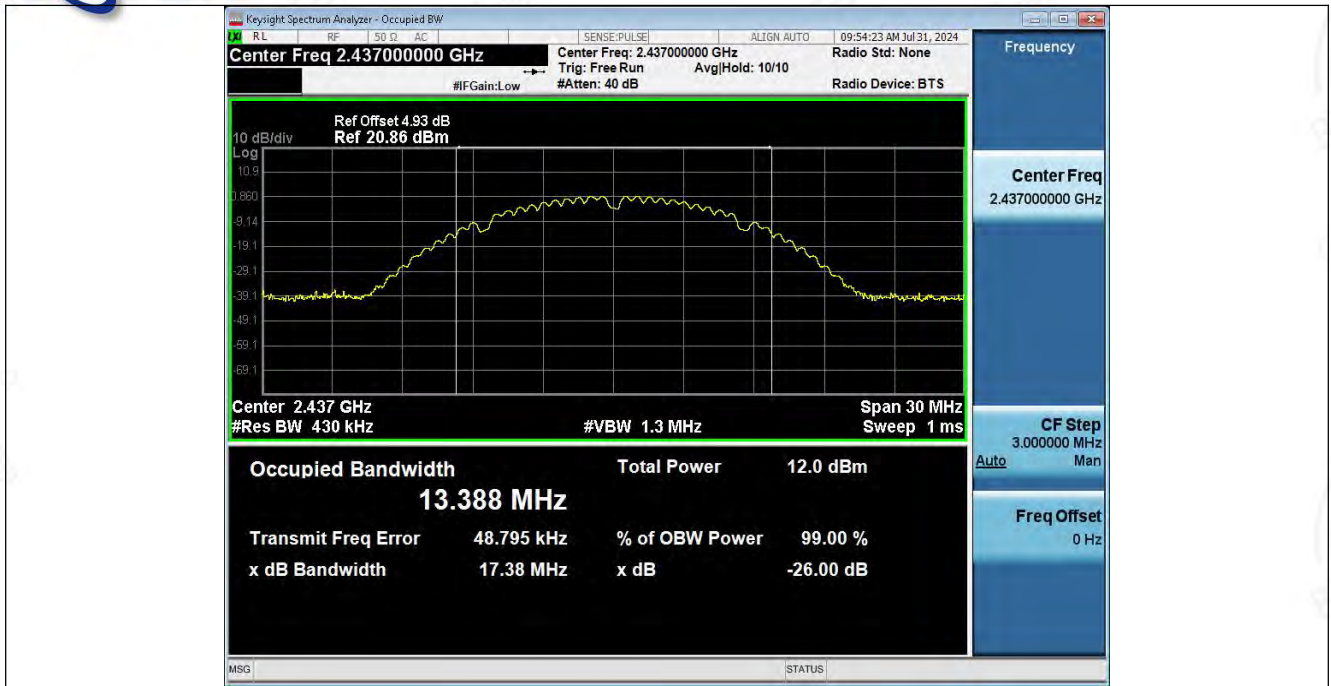
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412

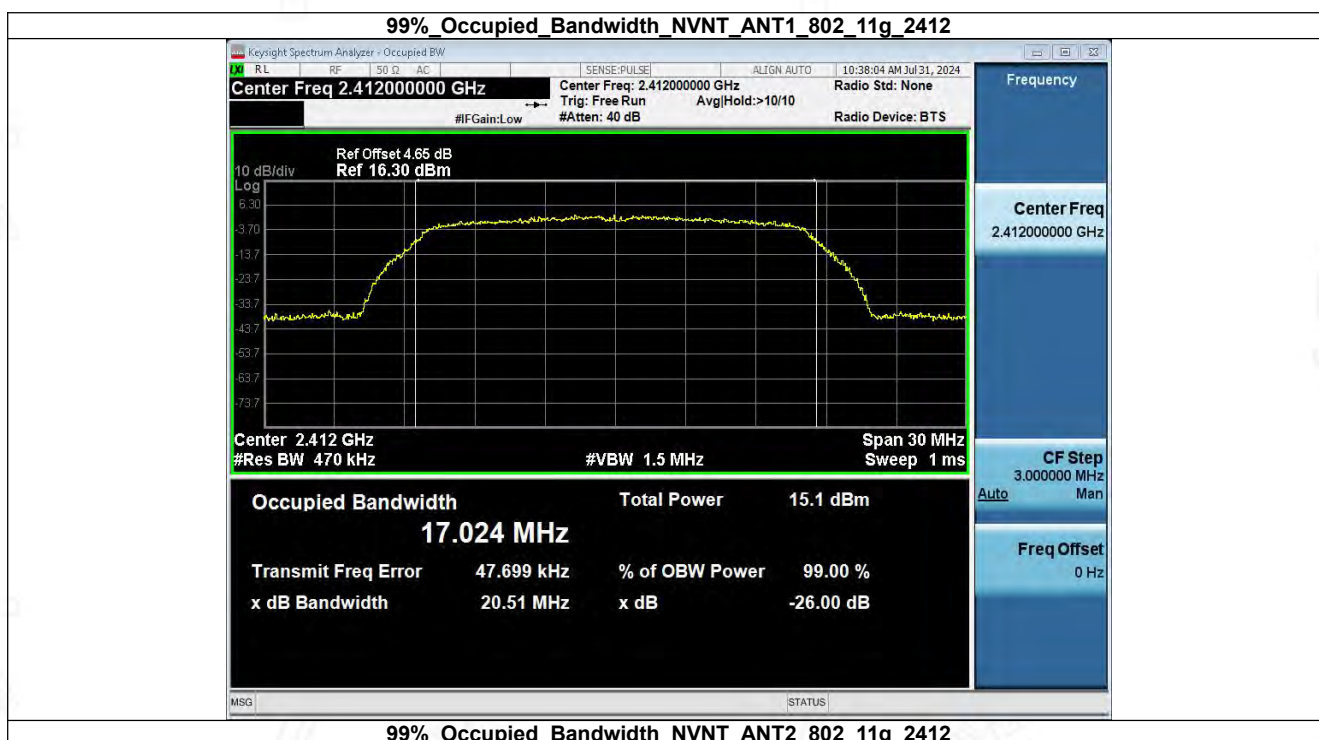
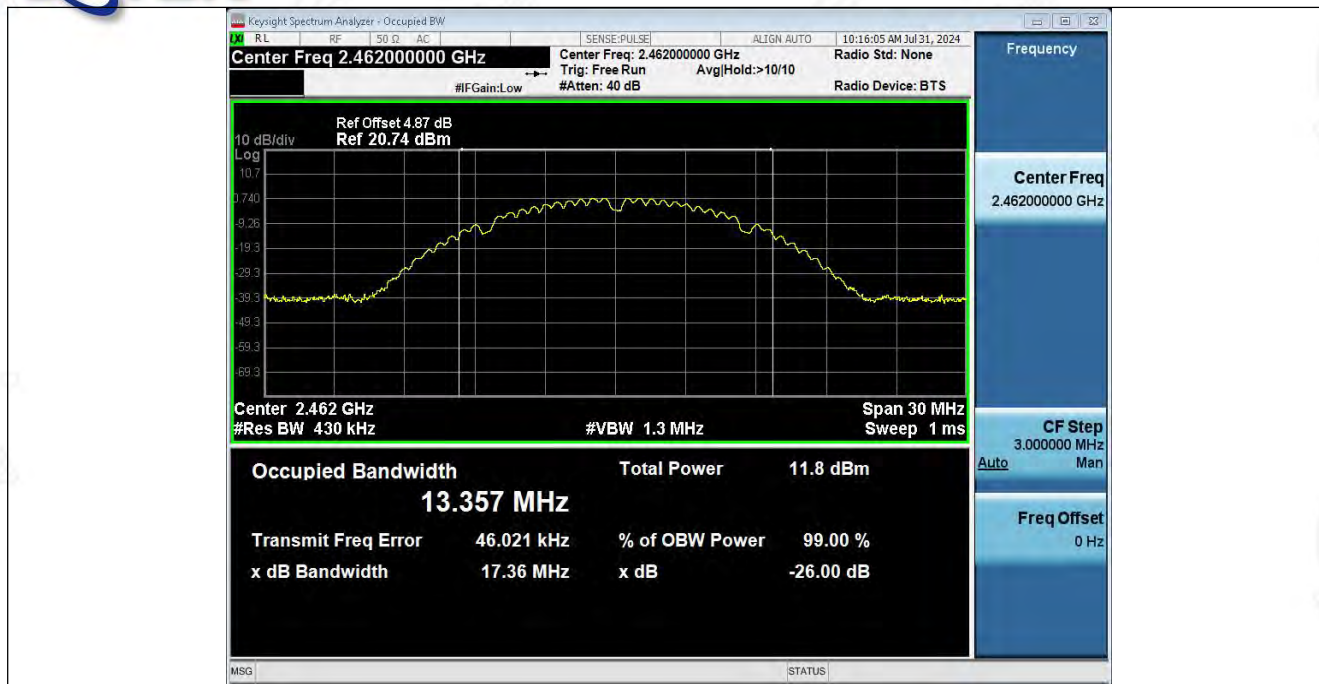


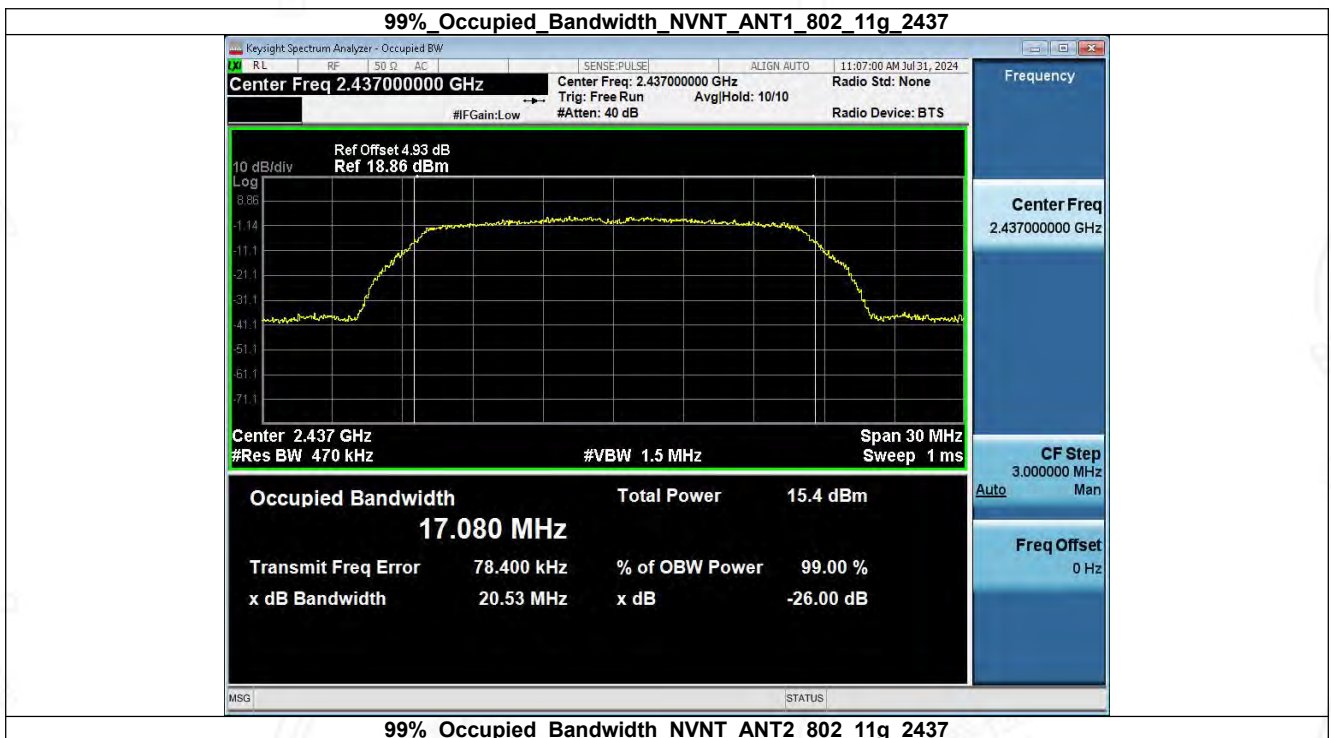
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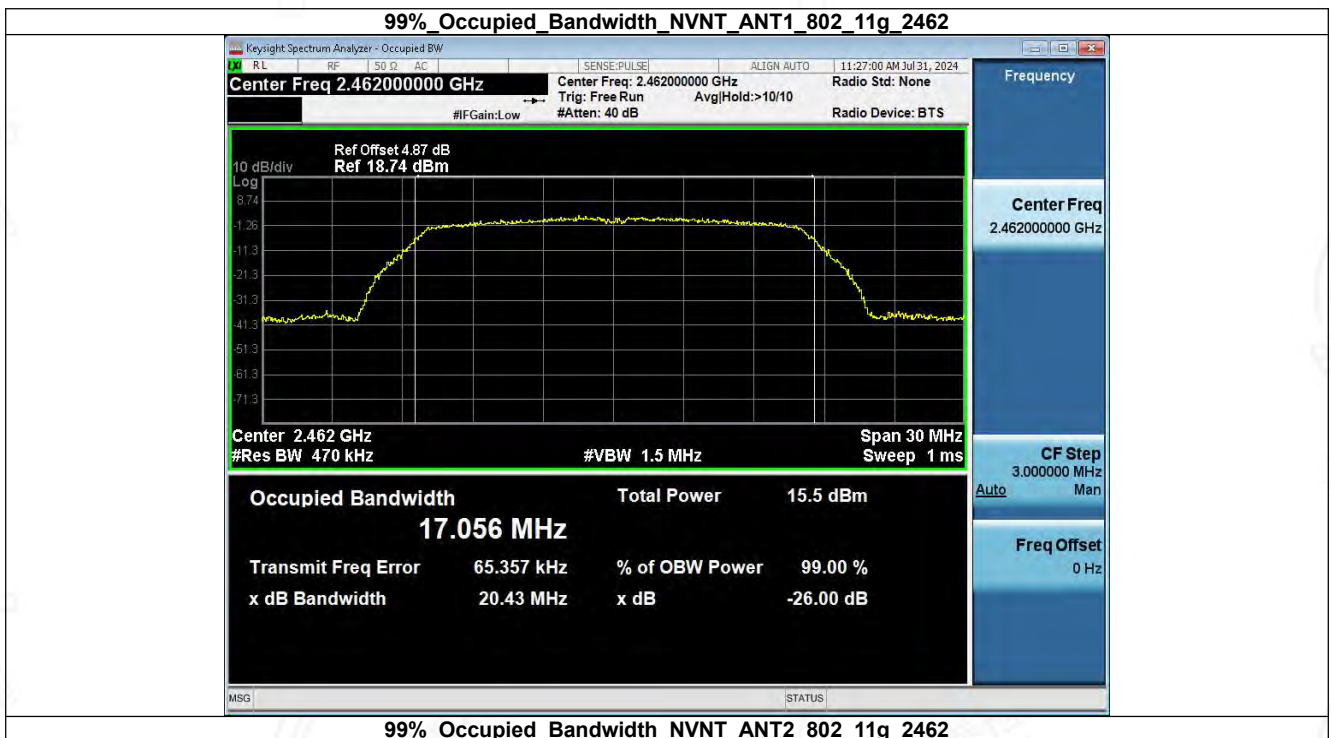


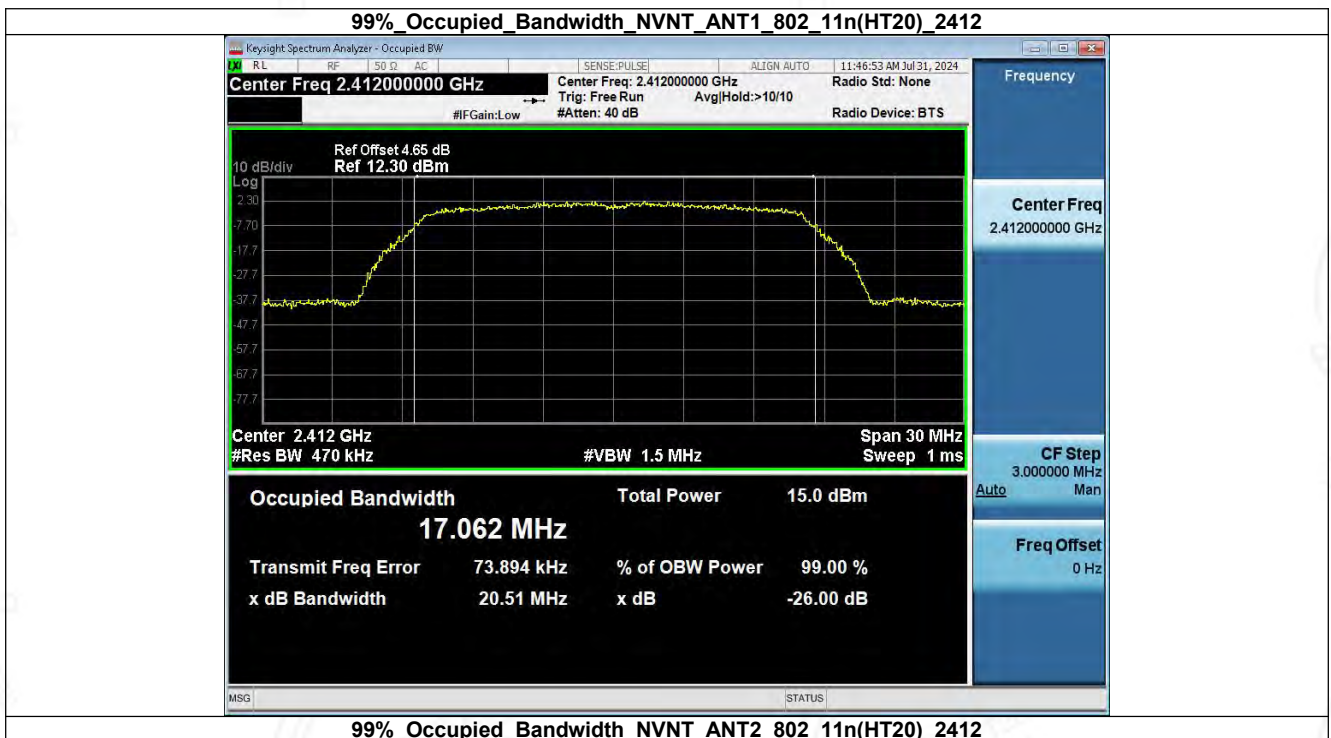


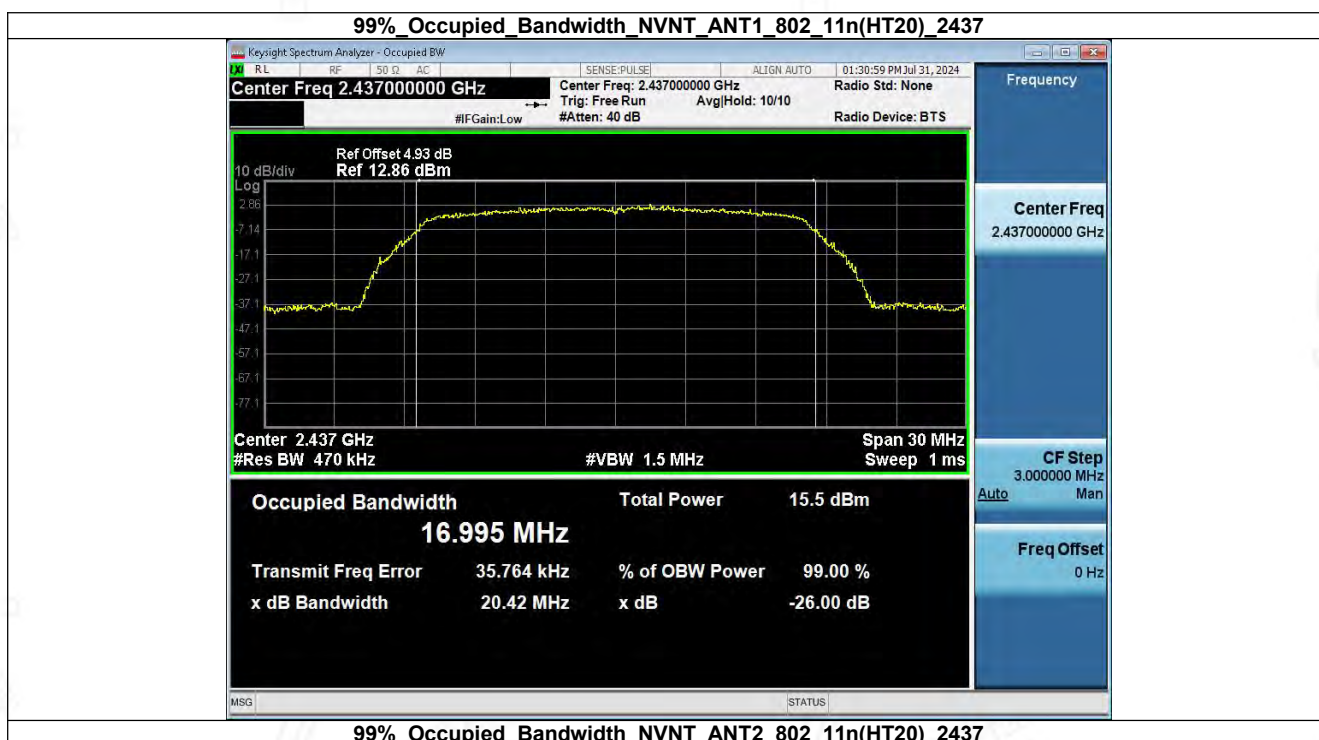
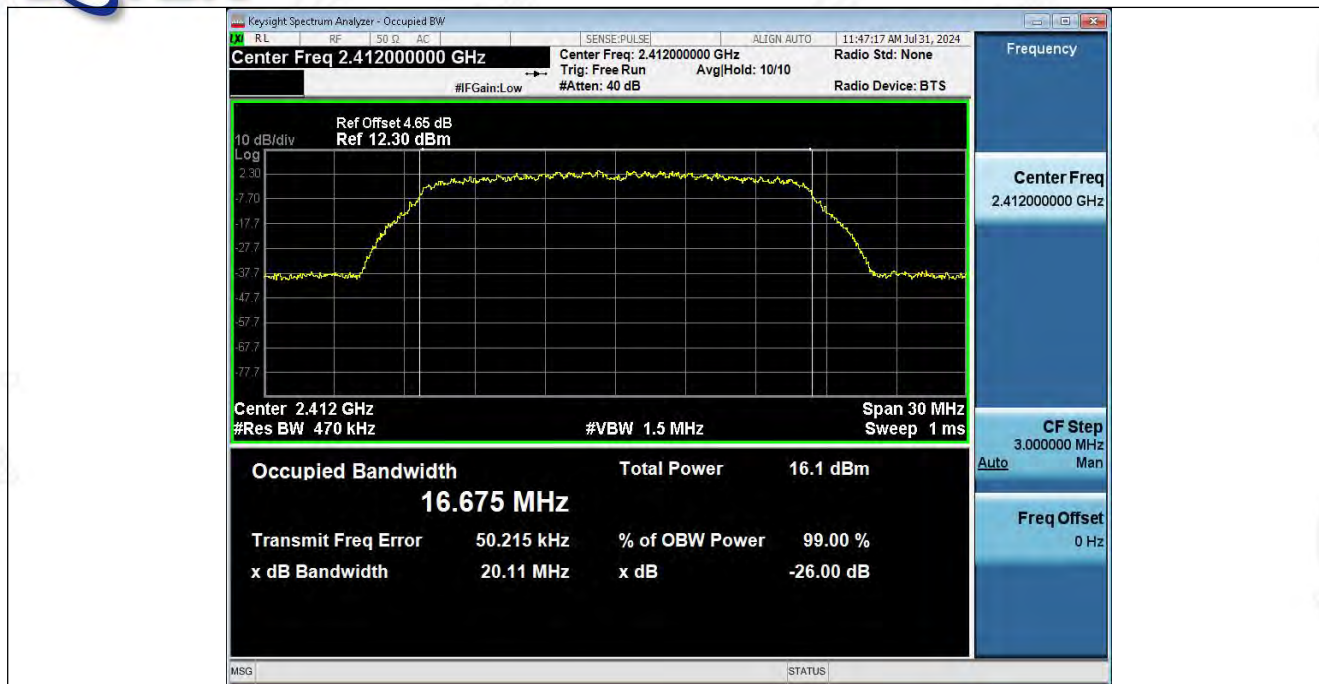


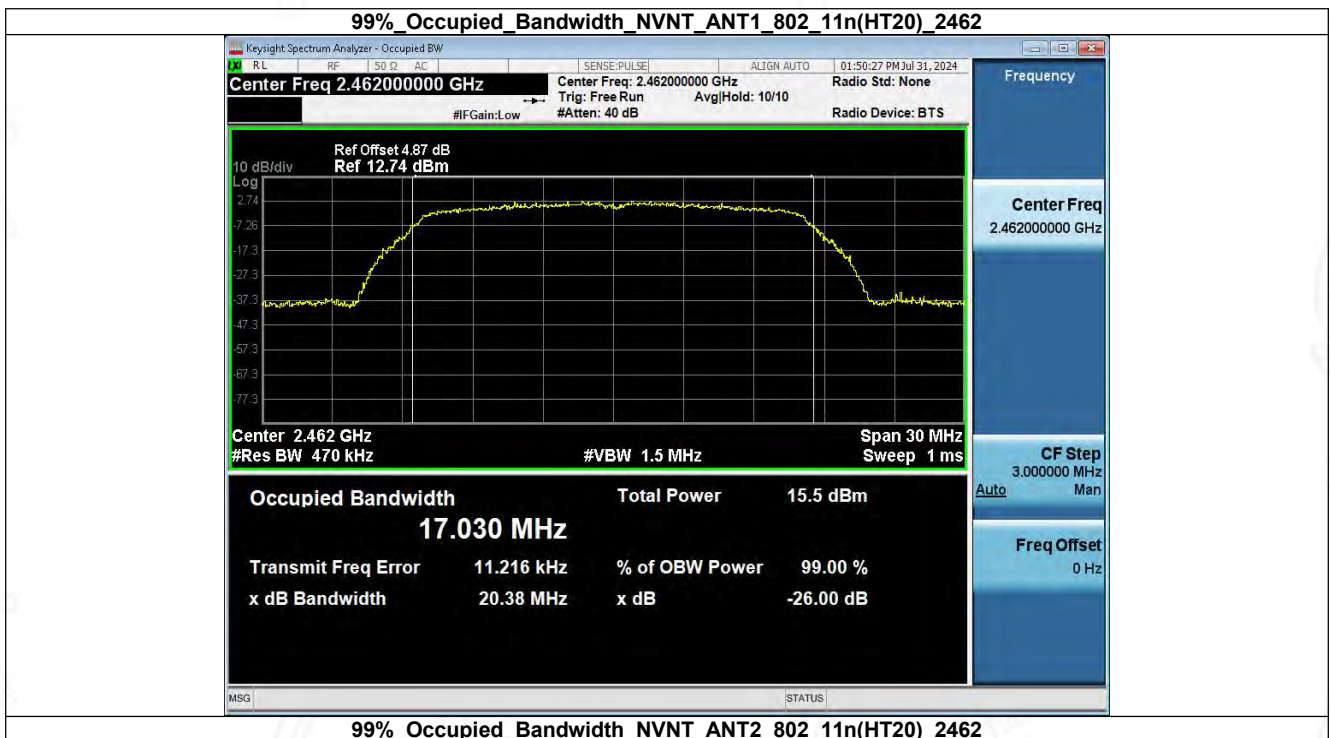


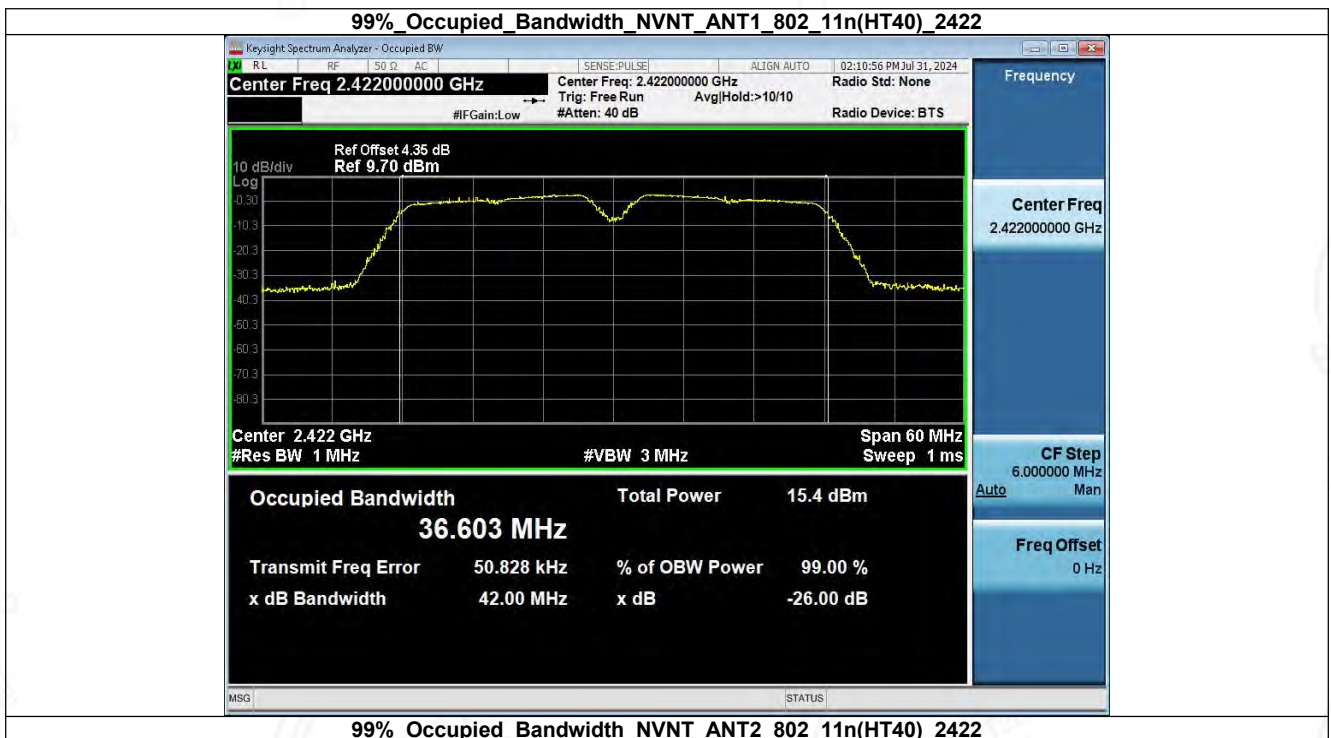


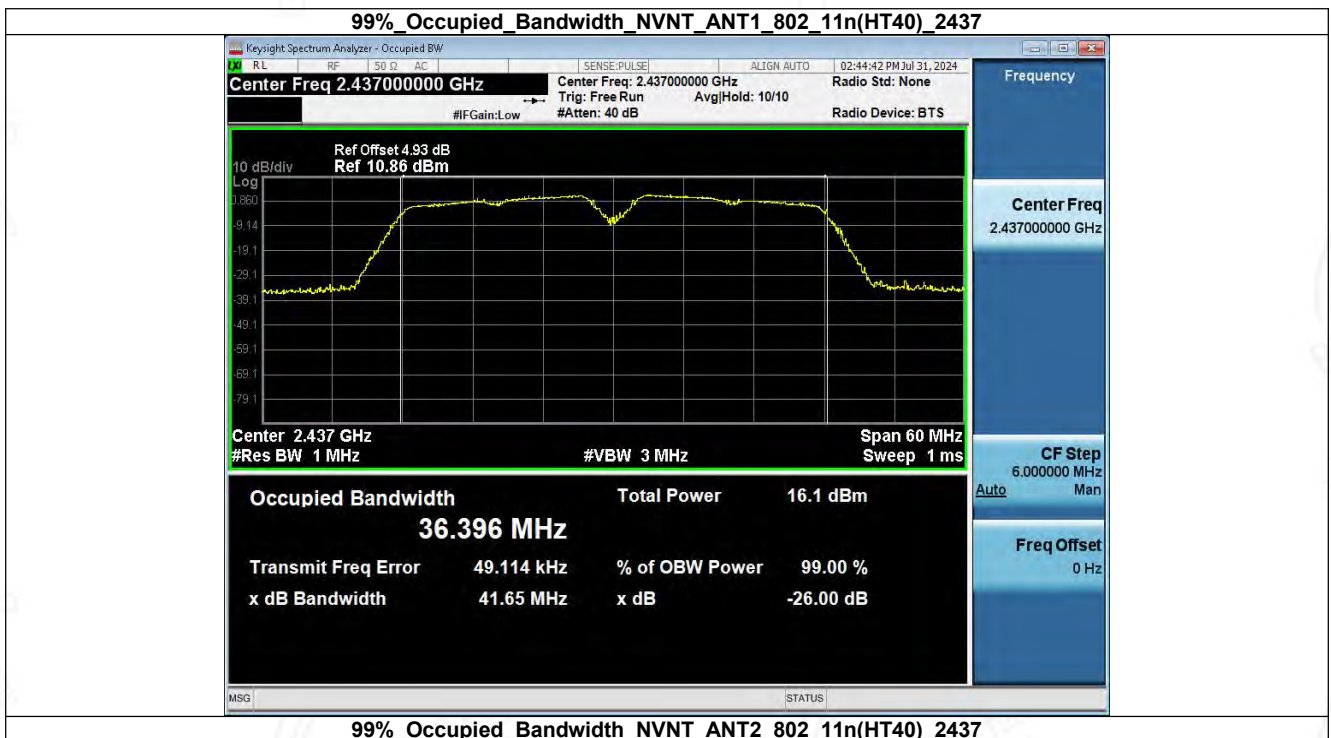
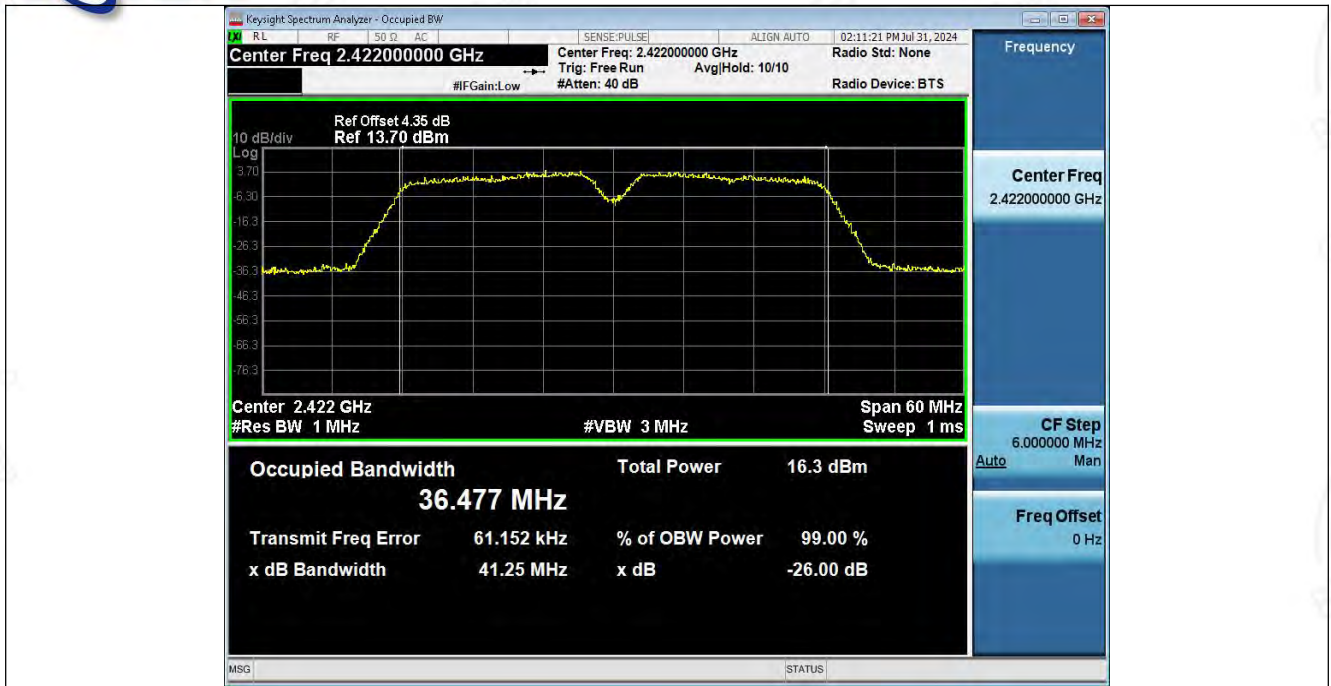


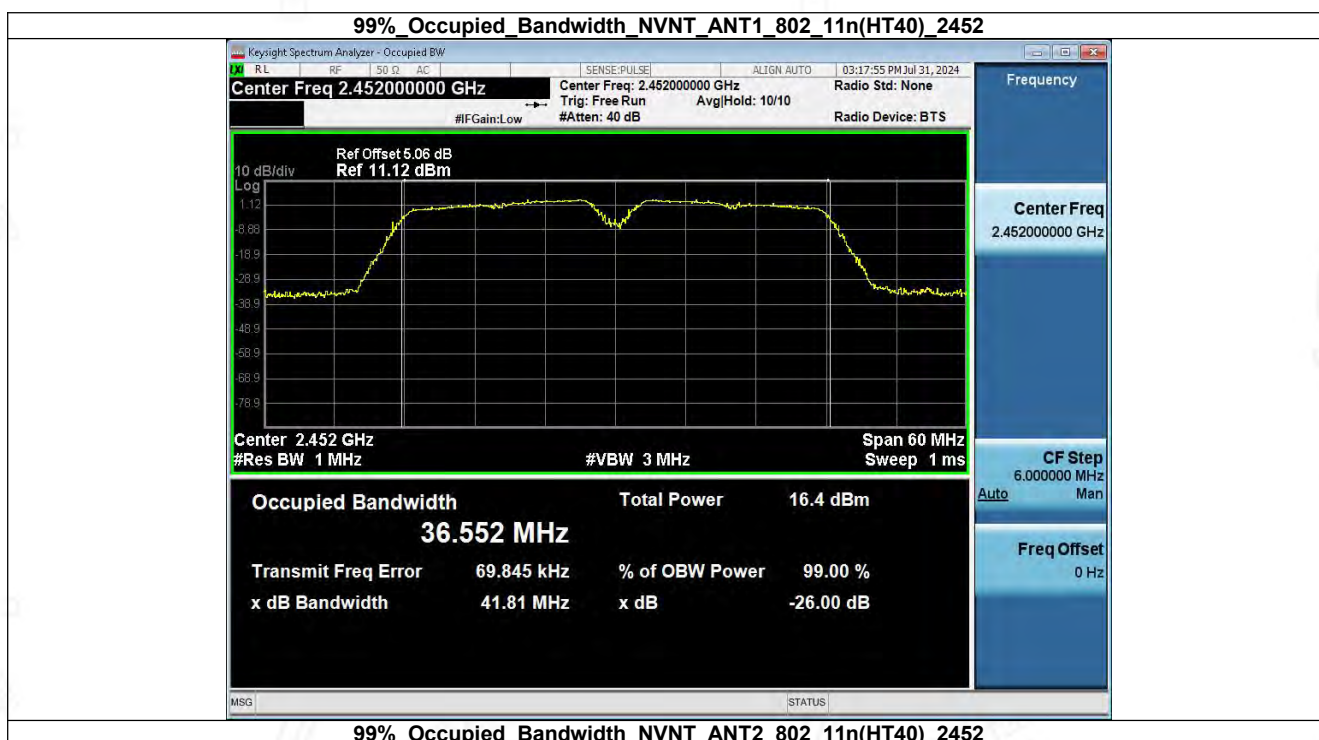










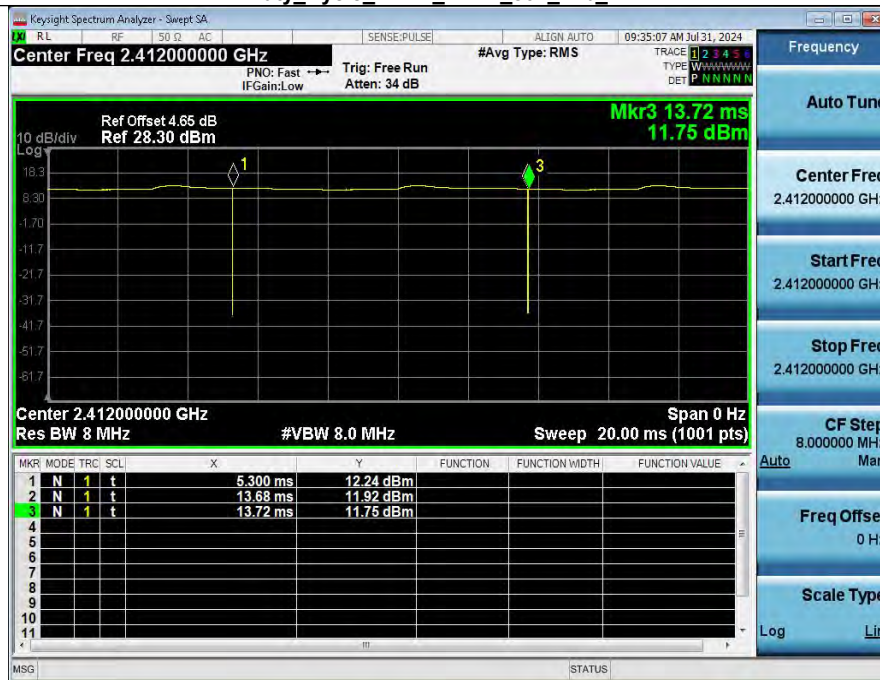




3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT2	802.11b	2412.00	99.76	0.00
NVNT	ANT1	802.11b	2437.00	99.76	0.00
NVNT	ANT2	802.11b	2437.00	99.76	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT2	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	98.61	0.00
NVNT	ANT2	802.11g	2412.00	97.22	0.12
NVNT	ANT1	802.11g	2437.00	97.18	0.12
NVNT	ANT2	802.11g	2437.00	98.61	0.00
NVNT	ANT1	802.11g	2462.00	98.61	0.00
NVNT	ANT2	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	97.06	0.13
NVNT	ANT2	802.11n(HT20)	2412.00	98.51	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	98.51	0.00
NVNT	ANT2	802.11n(HT20)	2437.00	98.51	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	98.51	0.00
NVNT	ANT2	802.11n(HT20)	2462.00	98.51	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	94.29	0.26
NVNT	ANT2	802.11n(HT40)	2422.00	97.06	0.13
NVNT	ANT1	802.11n(HT40)	2437.00	97.06	0.13
NVNT	ANT2	802.11n(HT40)	2437.00	97.14	0.13
NVNT	ANT1	802.11n(HT40)	2452.00	97.06	0.13
NVNT	ANT2	802.11n(HT40)	2452.00	97.14	0.13

Duty_Cycle_NVNT_ANT1_802_11b_2412



Duty_Cycle_NVNT_ANT2_802_11b_2412



