

Appendix

Test Data

for BTEK240919001AE

Start date	2024/9/24	Finish date	2024/9/25
Temperature	23.6℃	Humidity	59%
RF specifications	2.4G_WIFI	Test Engineer	Zora



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1. -6dB Bandwidth

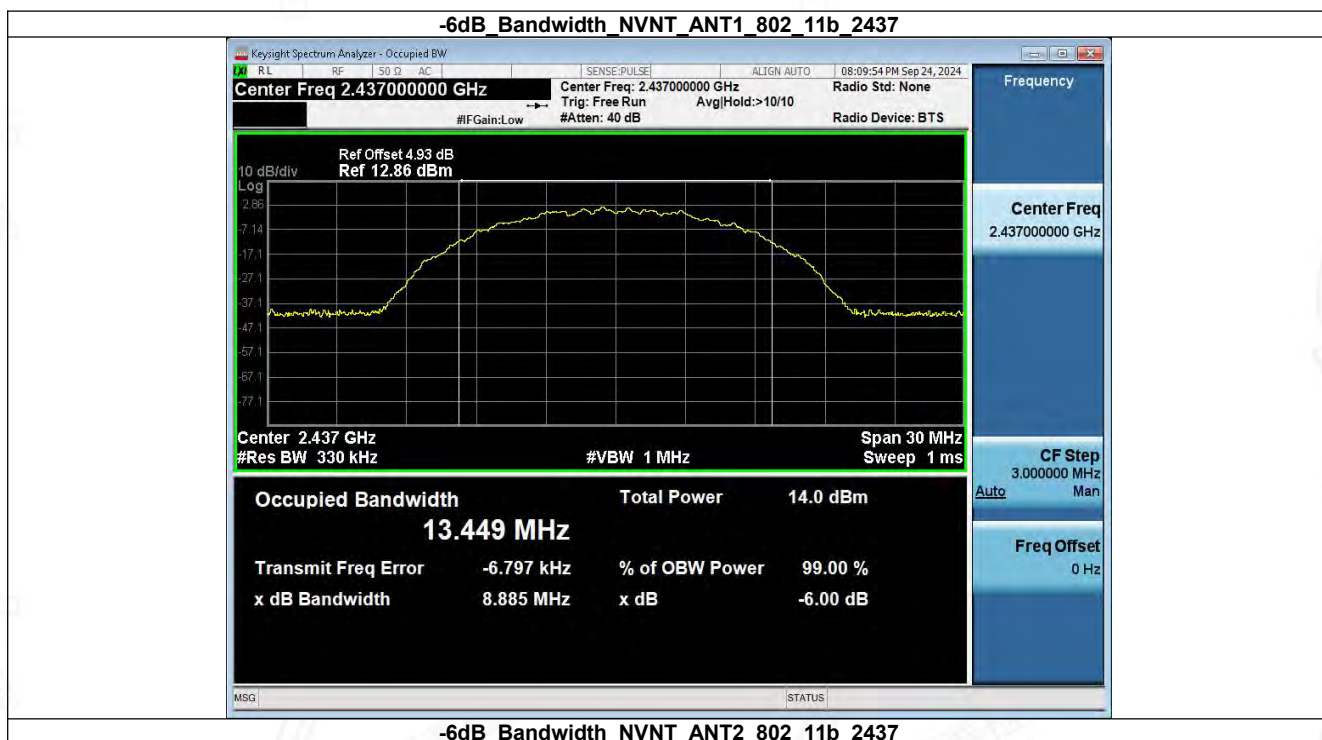
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.93	500	Pass
NVNT	ANT2	802.11b	2412.00	8.67	500	Pass
NVNT	ANT1	802.11b	2437.00	8.89	500	Pass
NVNT	ANT2	802.11b	2437.00	8.70	500	Pass
NVNT	ANT1	802.11b	2462.00	8.71	500	Pass
NVNT	ANT2	802.11b	2462.00	8.74	500	Pass
NVNT	ANT1	802.11g	2412.00	16.68	500	Pass
NVNT	ANT2	802.11g	2412.00	16.44	500	Pass
NVNT	ANT1	802.11g	2437.00	16.59	500	Pass
NVNT	ANT2	802.11g	2437.00	16.49	500	Pass
NVNT	ANT1	802.11g	2462.00	16.67	500	Pass
NVNT	ANT2	802.11g	2462.00	16.52	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.66	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	17.59	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.62	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	17.61	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.66	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	17.63	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.70	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	36.44	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.59	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	36.46	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.82	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	36.42	500	Pass

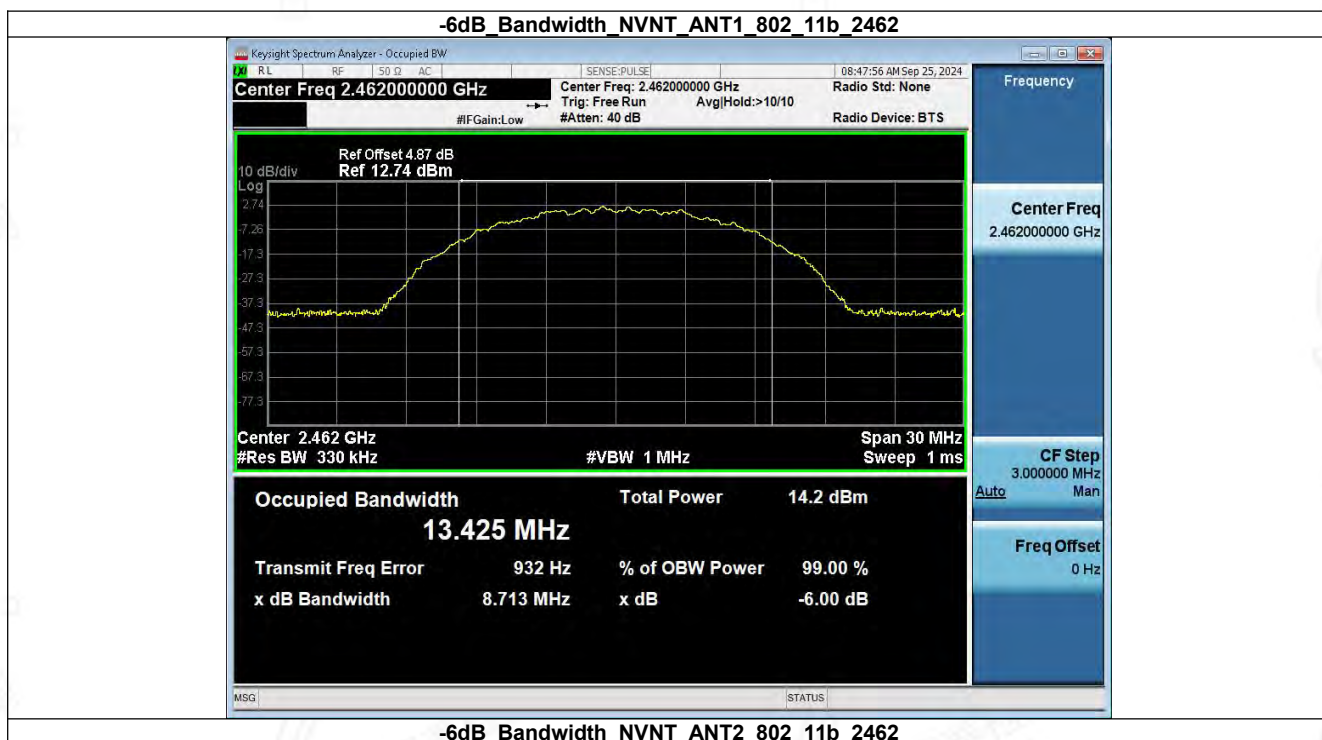
-6dB_Bandwidth_NVNT_ANT1_802_11b_2412

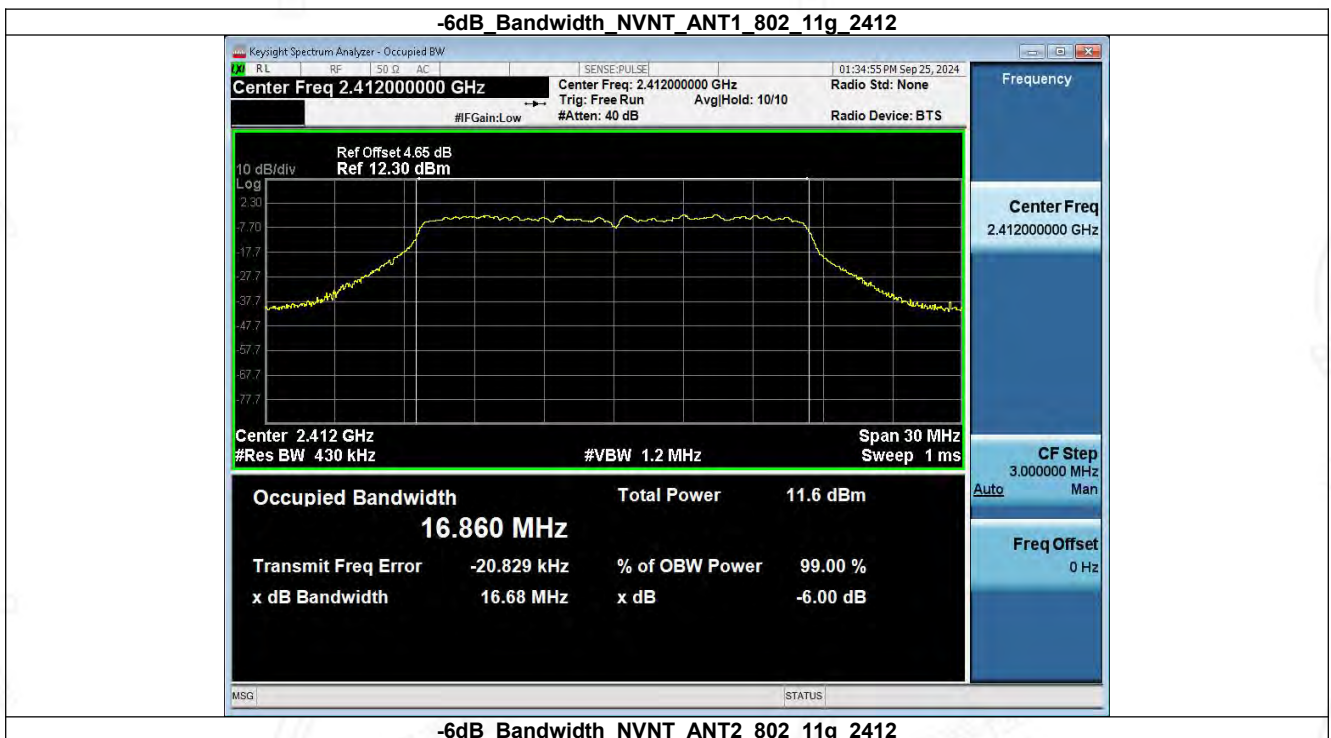


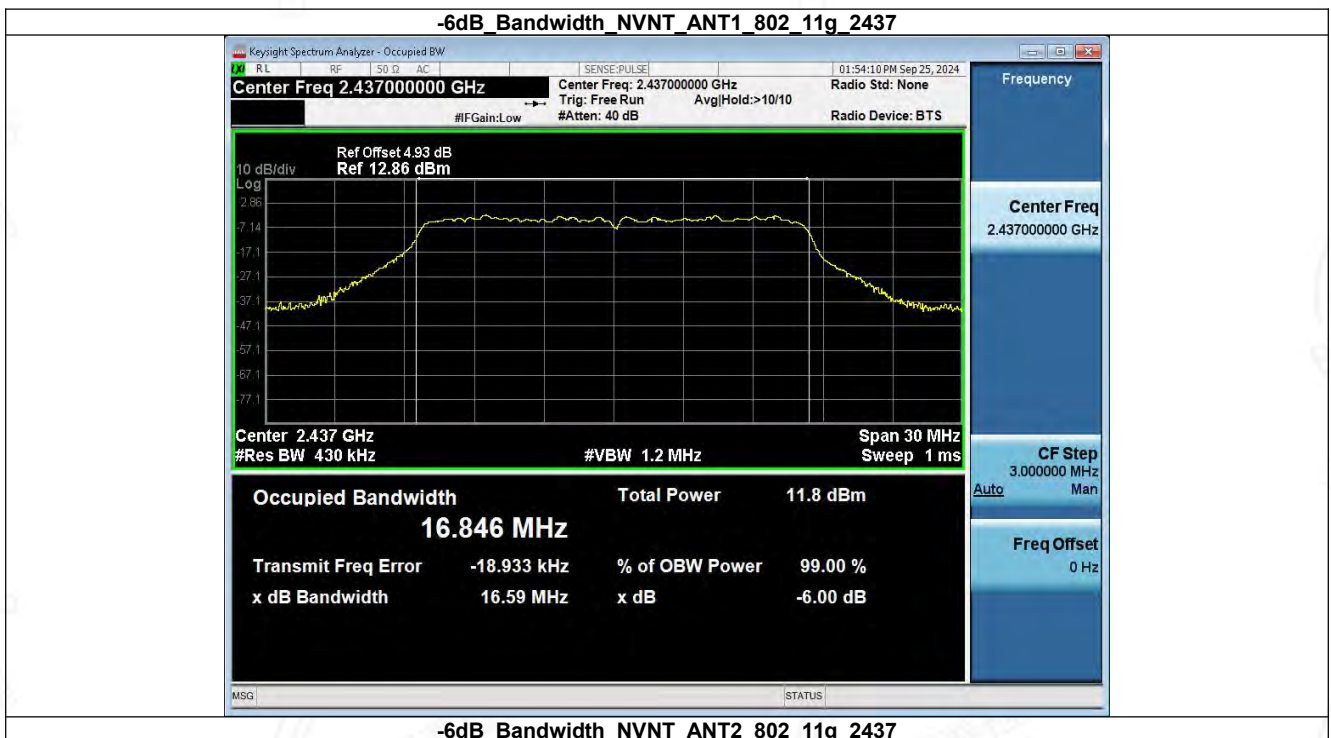
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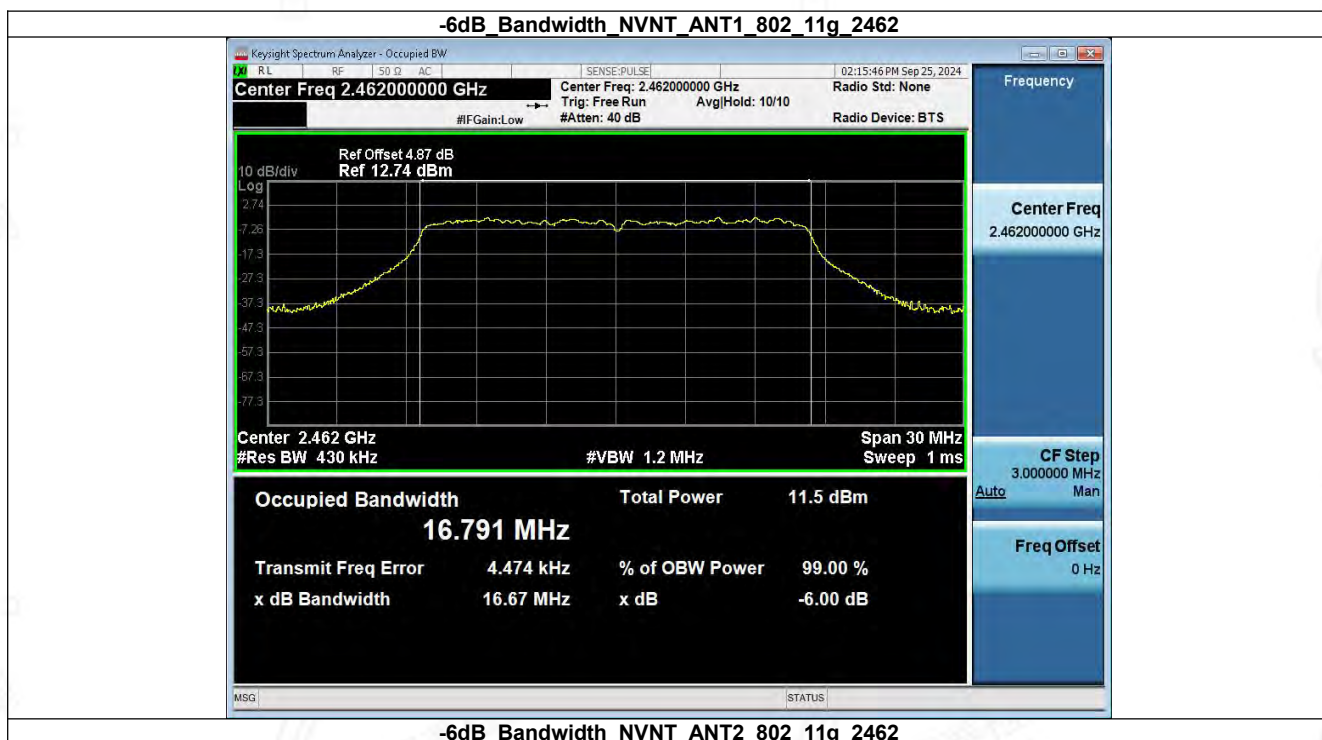
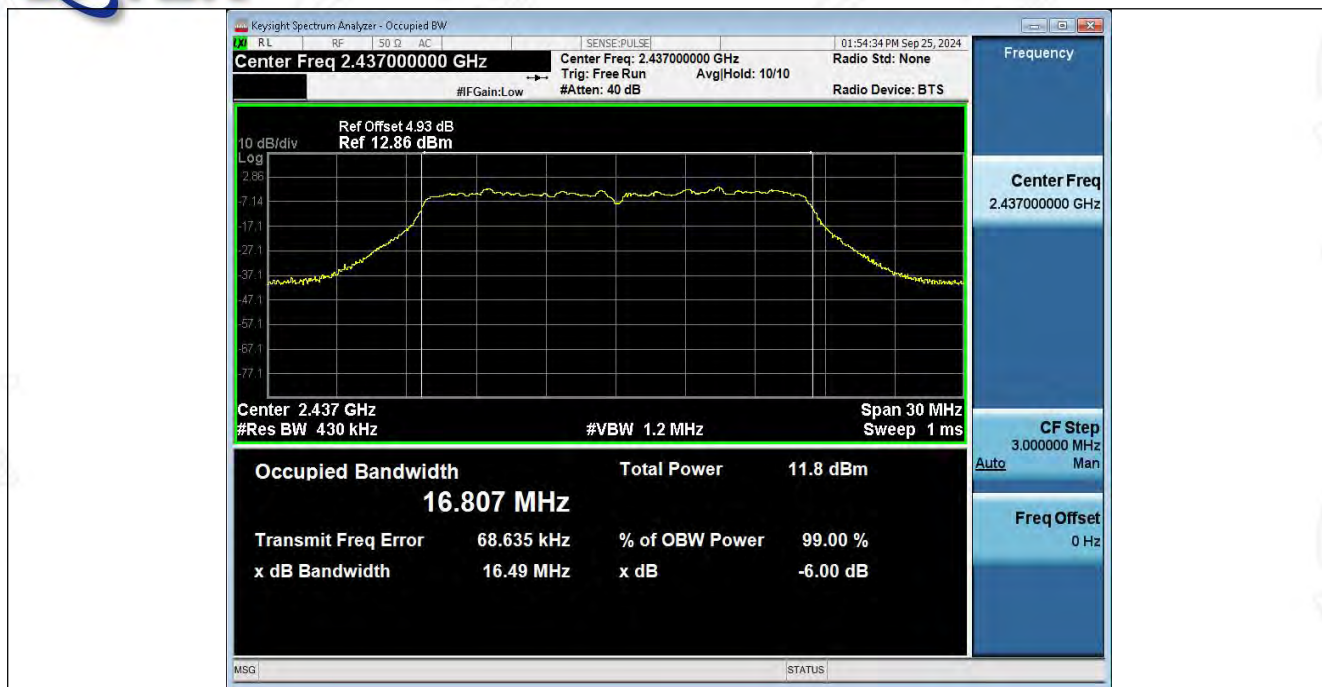


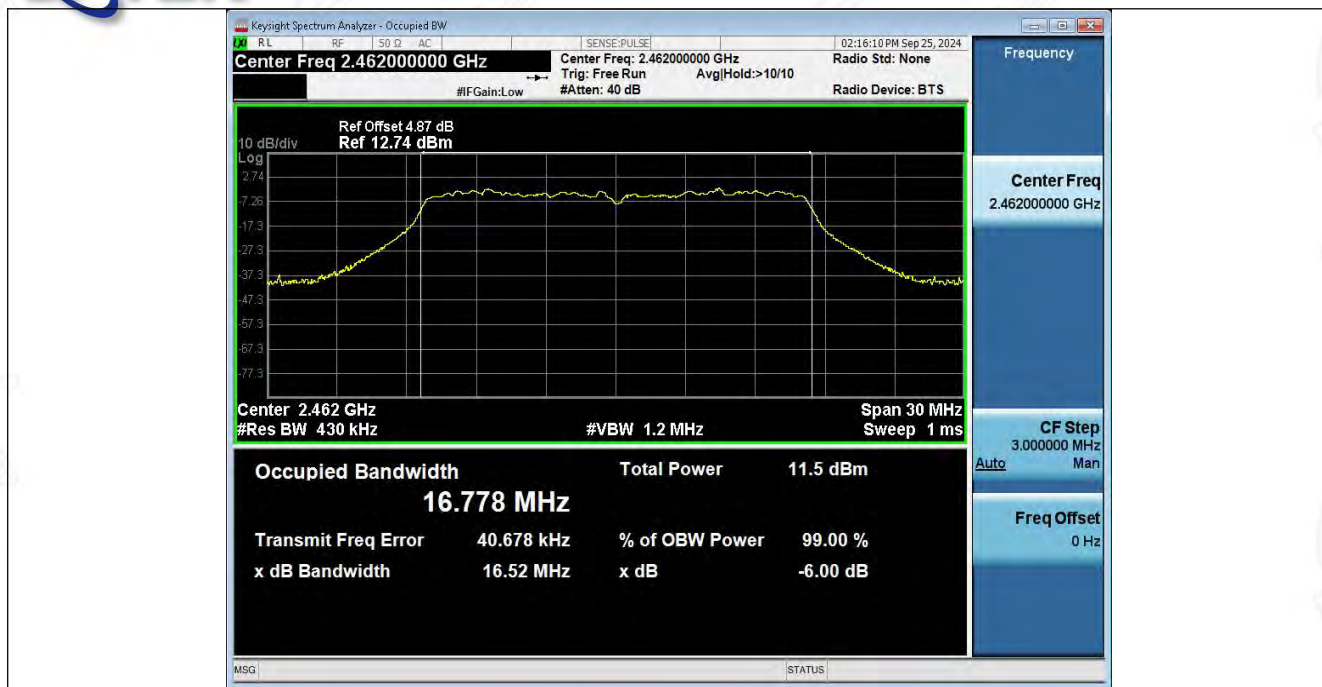


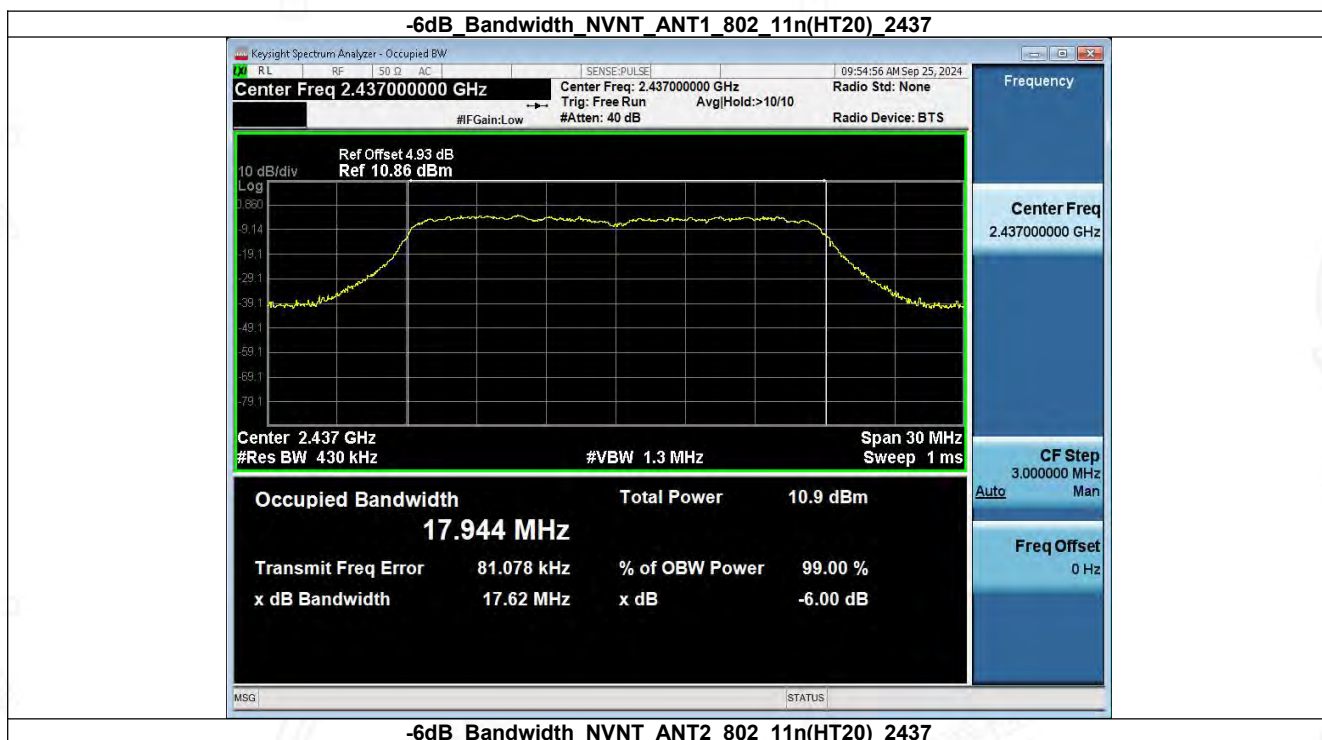


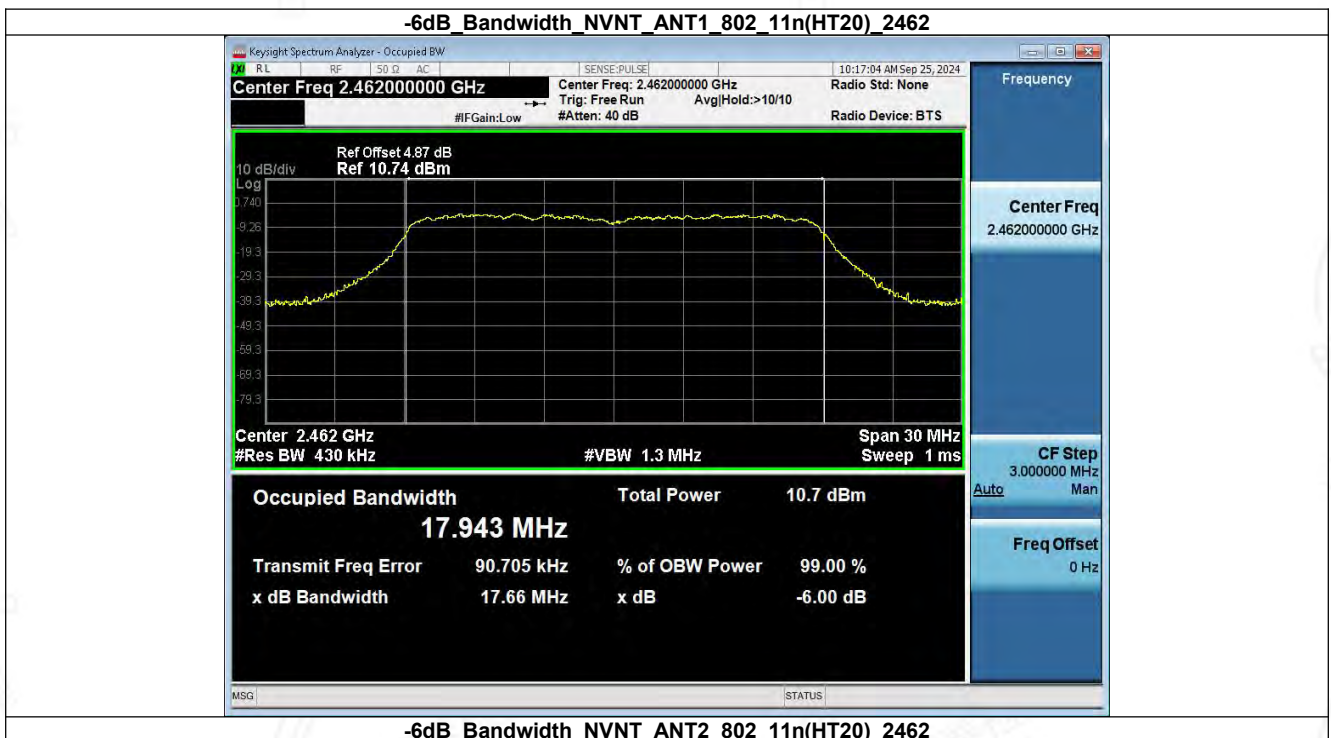


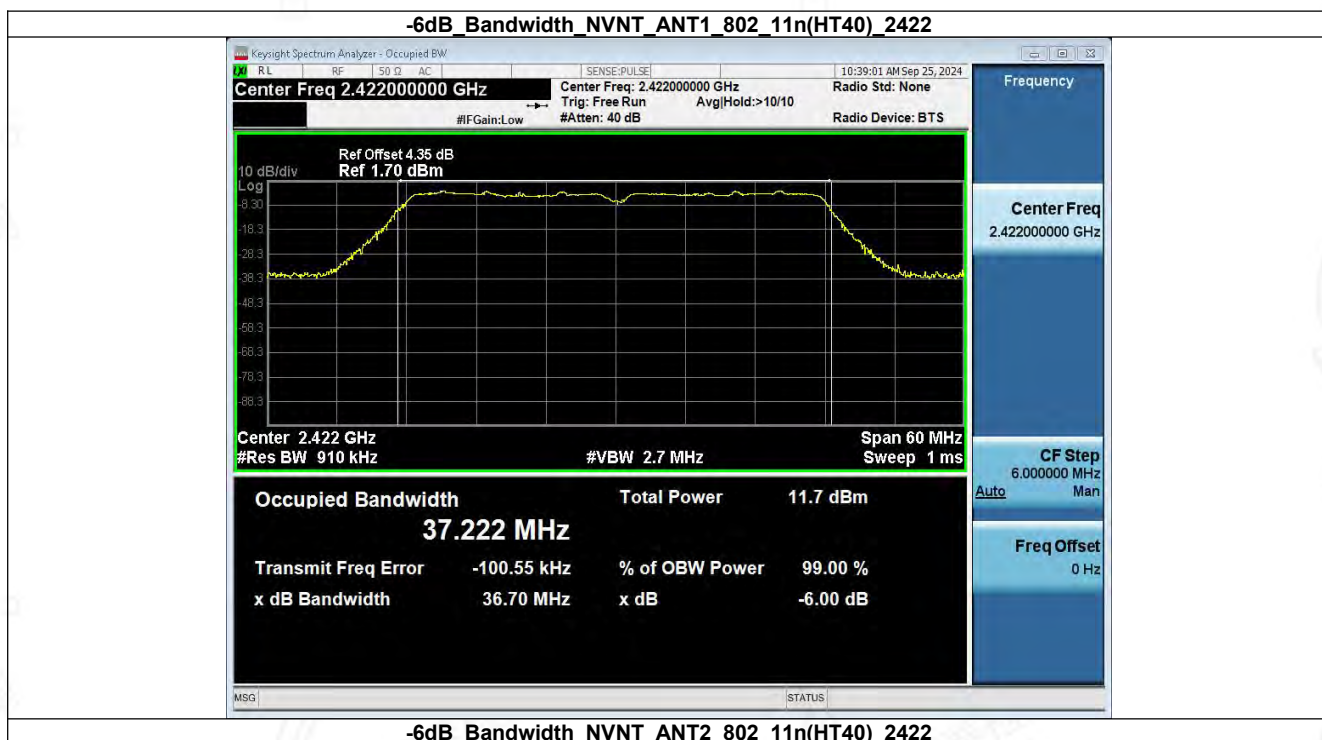
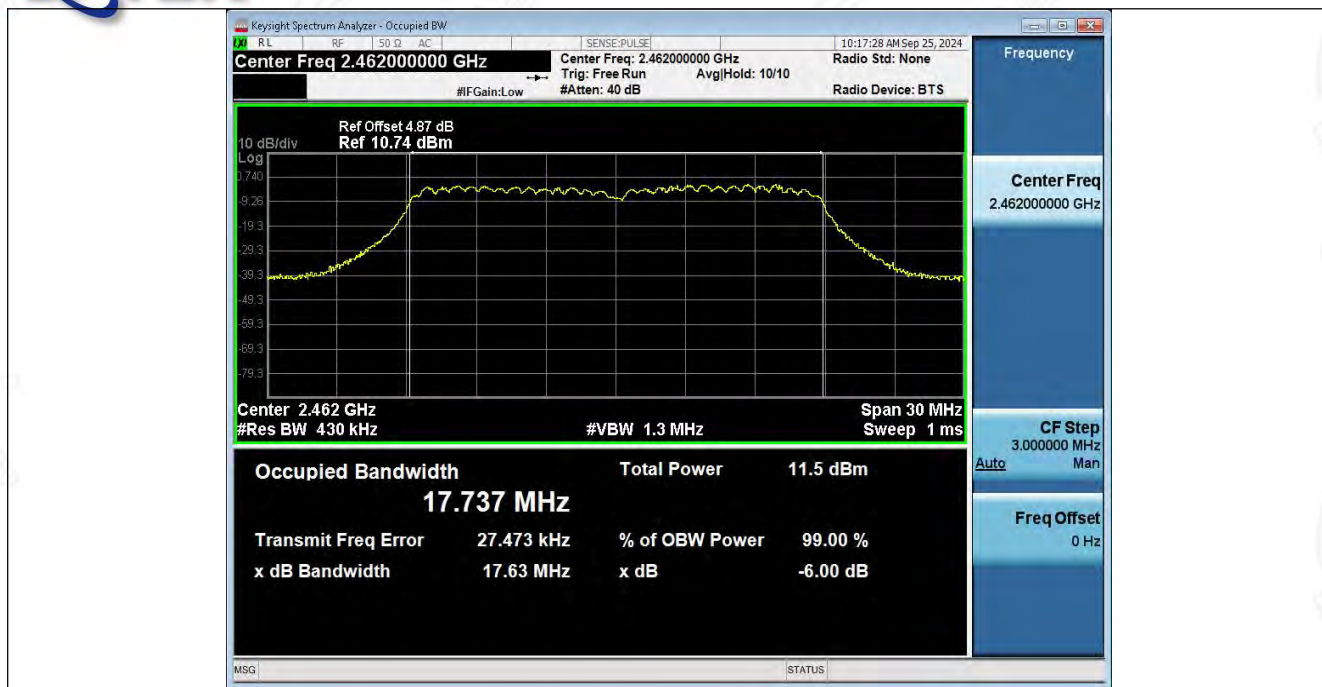


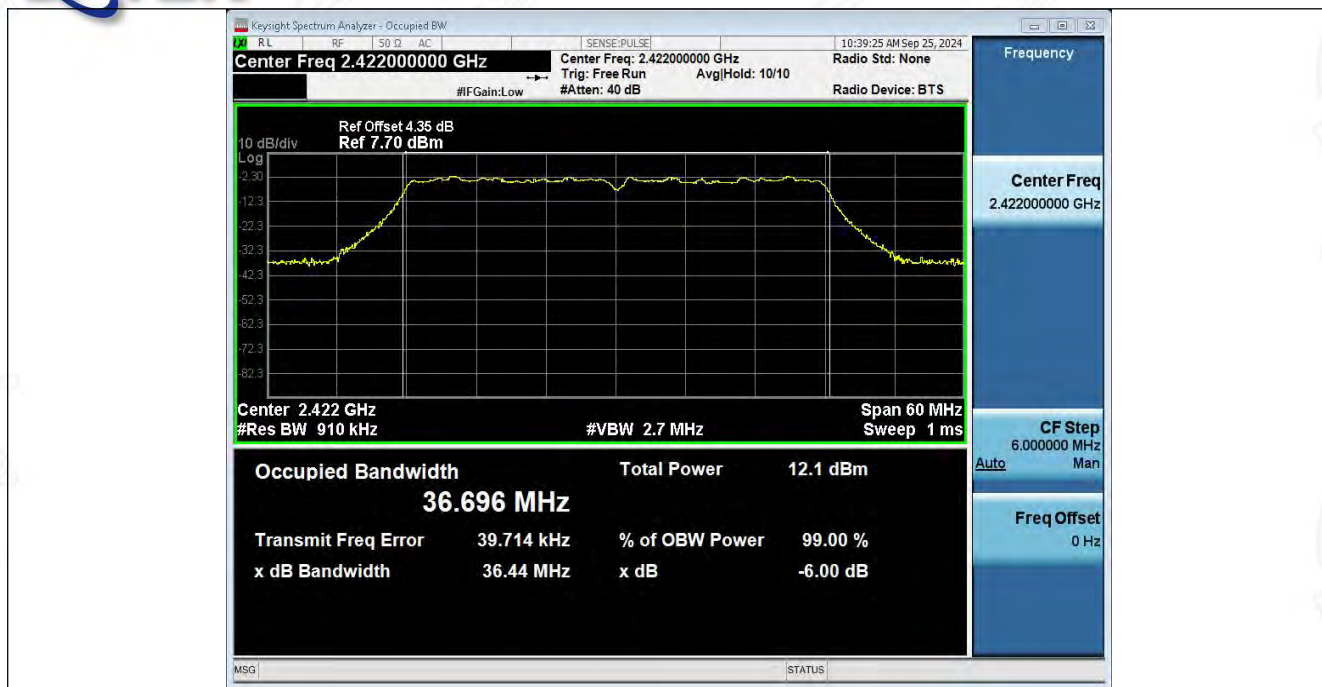


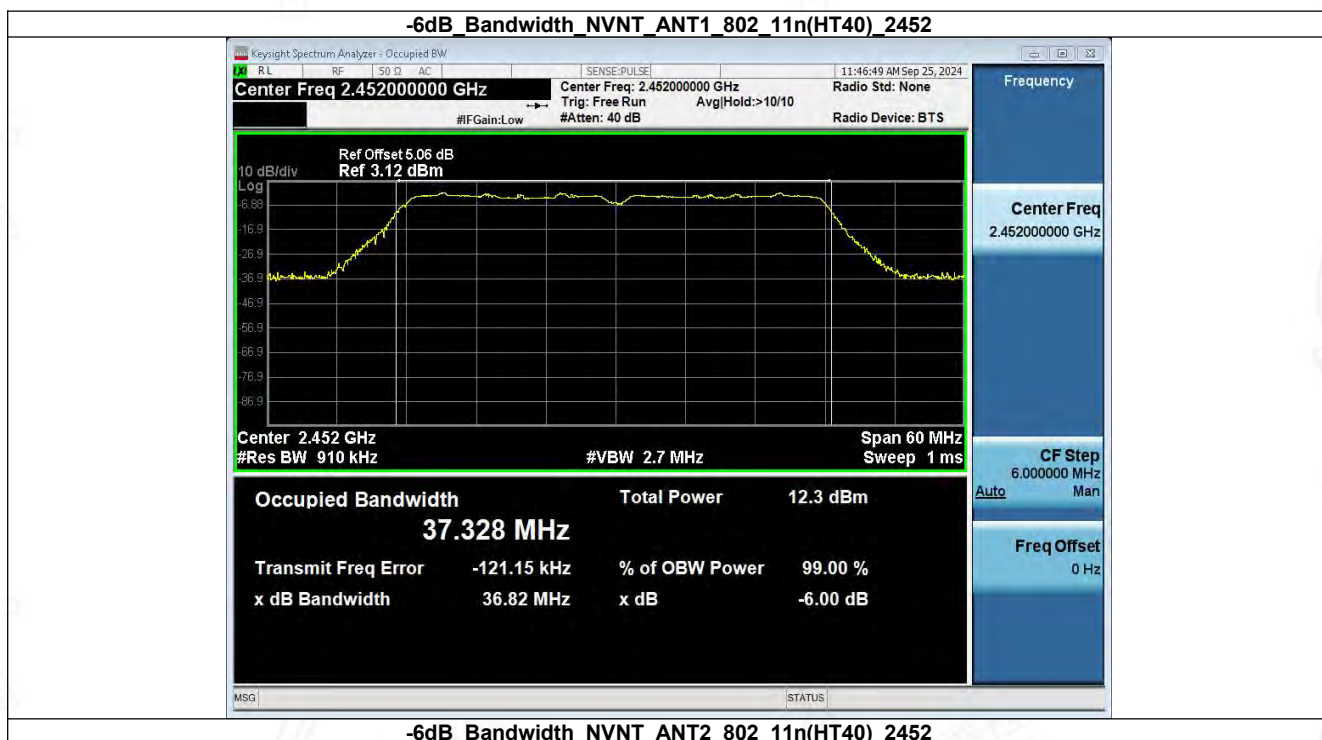
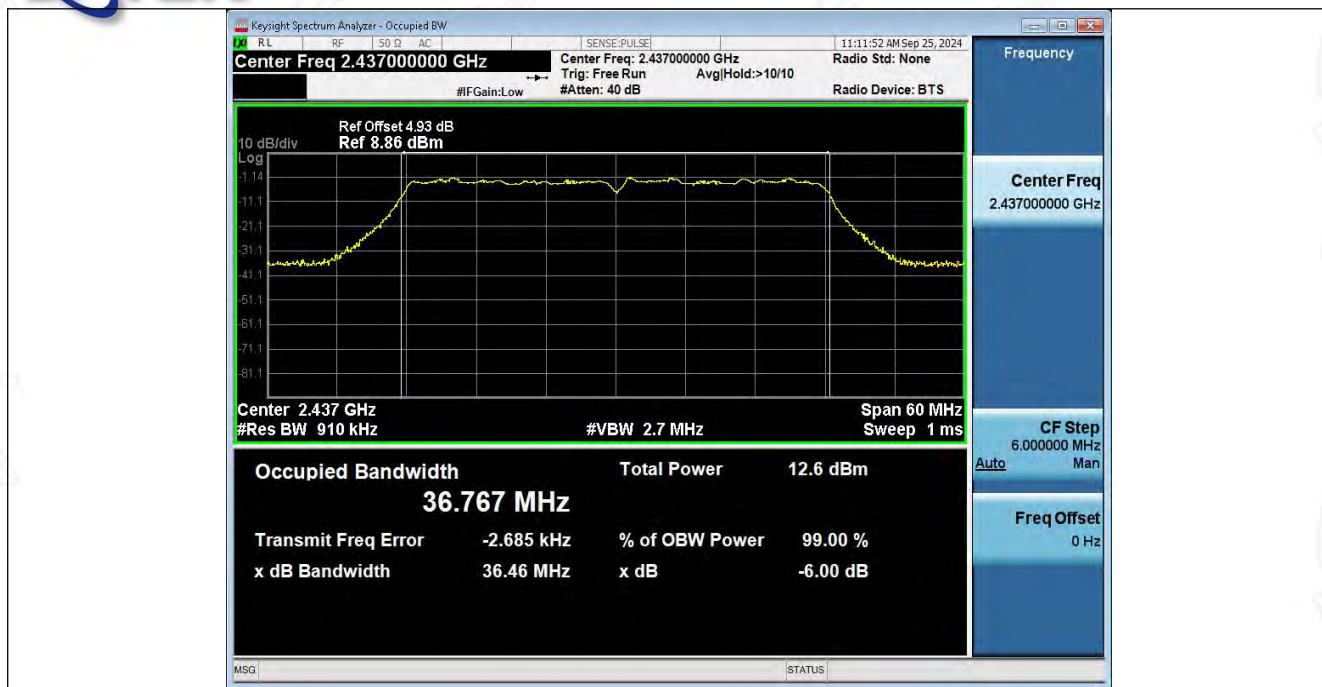


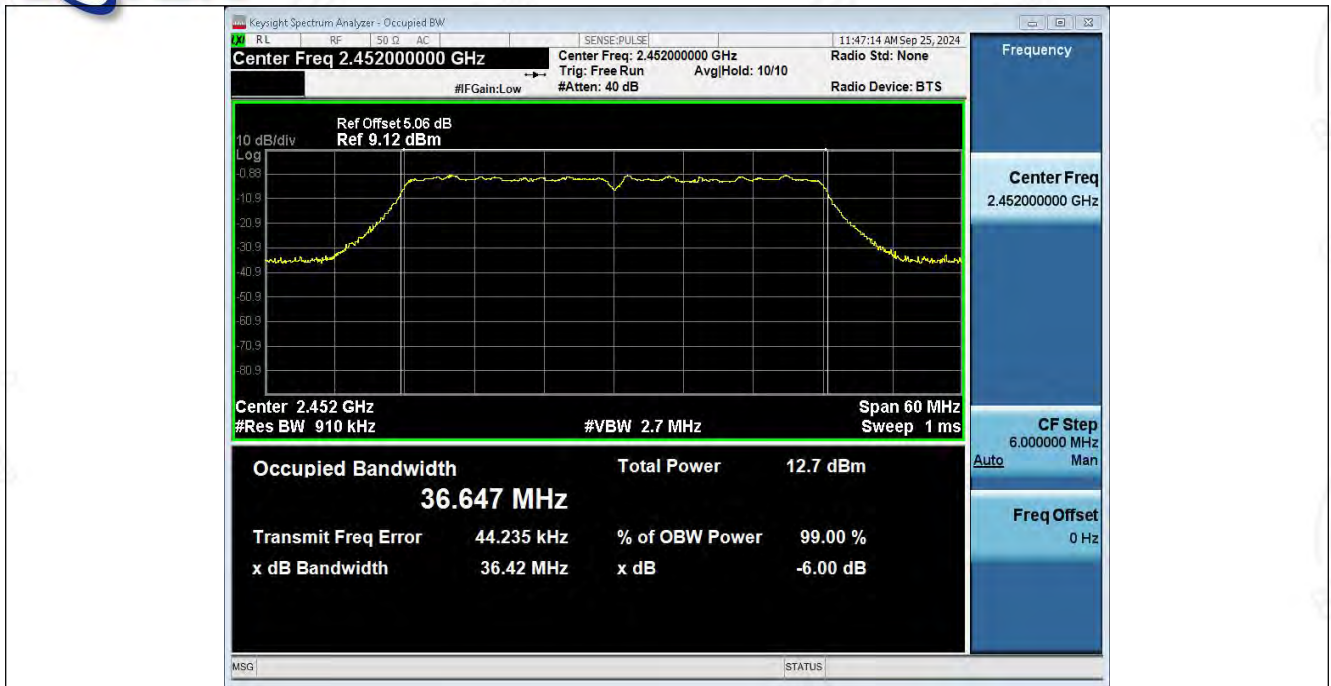












2. 99% Occupied Bandwidth

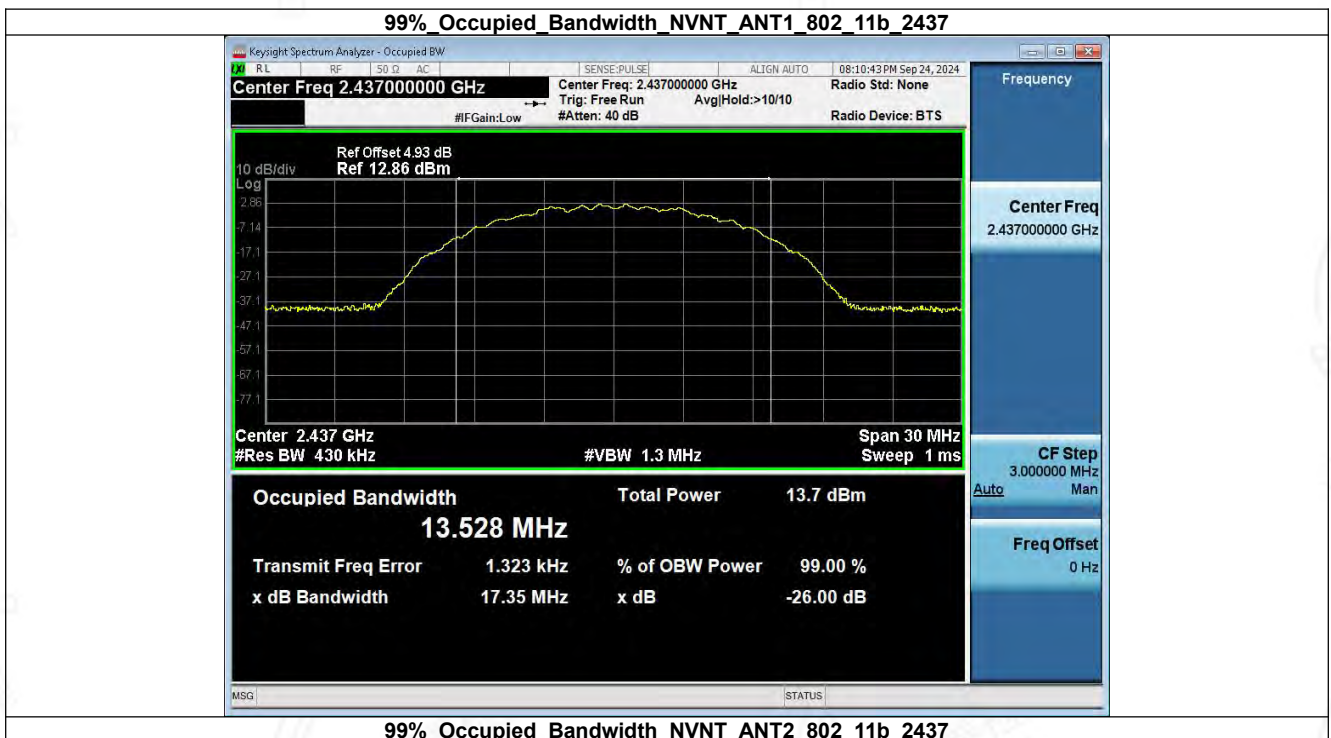
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	13.568
NVNT	ANT2	802.11b	2412.00	13.461
NVNT	ANT1	802.11b	2437.00	13.528
NVNT	ANT2	802.11b	2437.00	13.500
NVNT	ANT1	802.11b	2462.00	13.501
NVNT	ANT2	802.11b	2462.00	13.534
NVNT	ANT1	802.11g	2412.00	16.935
NVNT	ANT2	802.11g	2412.00	16.778
NVNT	ANT1	802.11g	2437.00	16.917
NVNT	ANT2	802.11g	2437.00	16.863
NVNT	ANT1	802.11g	2462.00	16.865
NVNT	ANT2	802.11g	2462.00	16.845
NVNT	ANT1	802.11n(HT20)	2412.00	18.106
NVNT	ANT2	802.11n(HT20)	2412.00	17.790
NVNT	ANT1	802.11n(HT20)	2437.00	18.091
NVNT	ANT2	802.11n(HT20)	2437.00	17.801
NVNT	ANT1	802.11n(HT20)	2462.00	18.066
NVNT	ANT2	802.11n(HT20)	2462.00	17.813
NVNT	ANT1	802.11n(HT40)	2422.00	37.290
NVNT	ANT2	802.11n(HT40)	2422.00	36.774
NVNT	ANT1	802.11n(HT40)	2437.00	37.290
NVNT	ANT2	802.11n(HT40)	2437.00	36.835
NVNT	ANT1	802.11n(HT40)	2452.00	37.394
NVNT	ANT2	802.11n(HT40)	2452.00	36.718

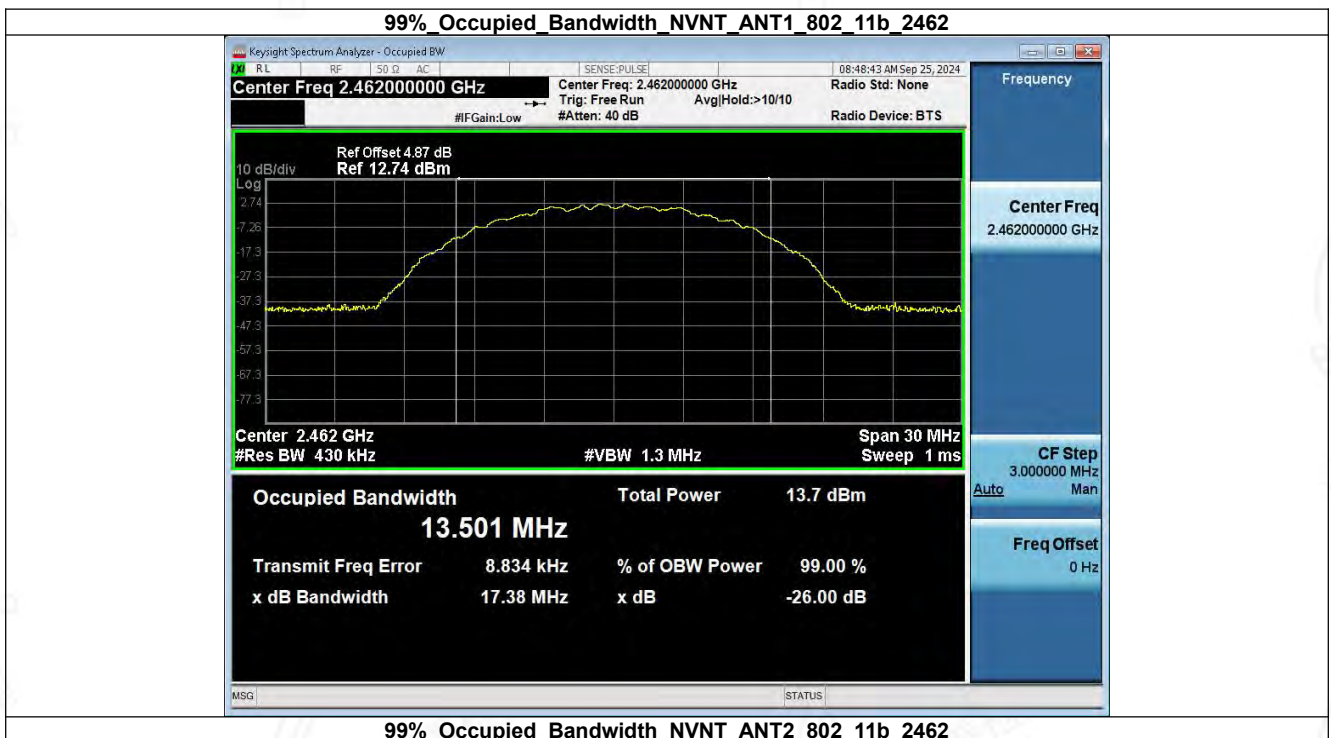
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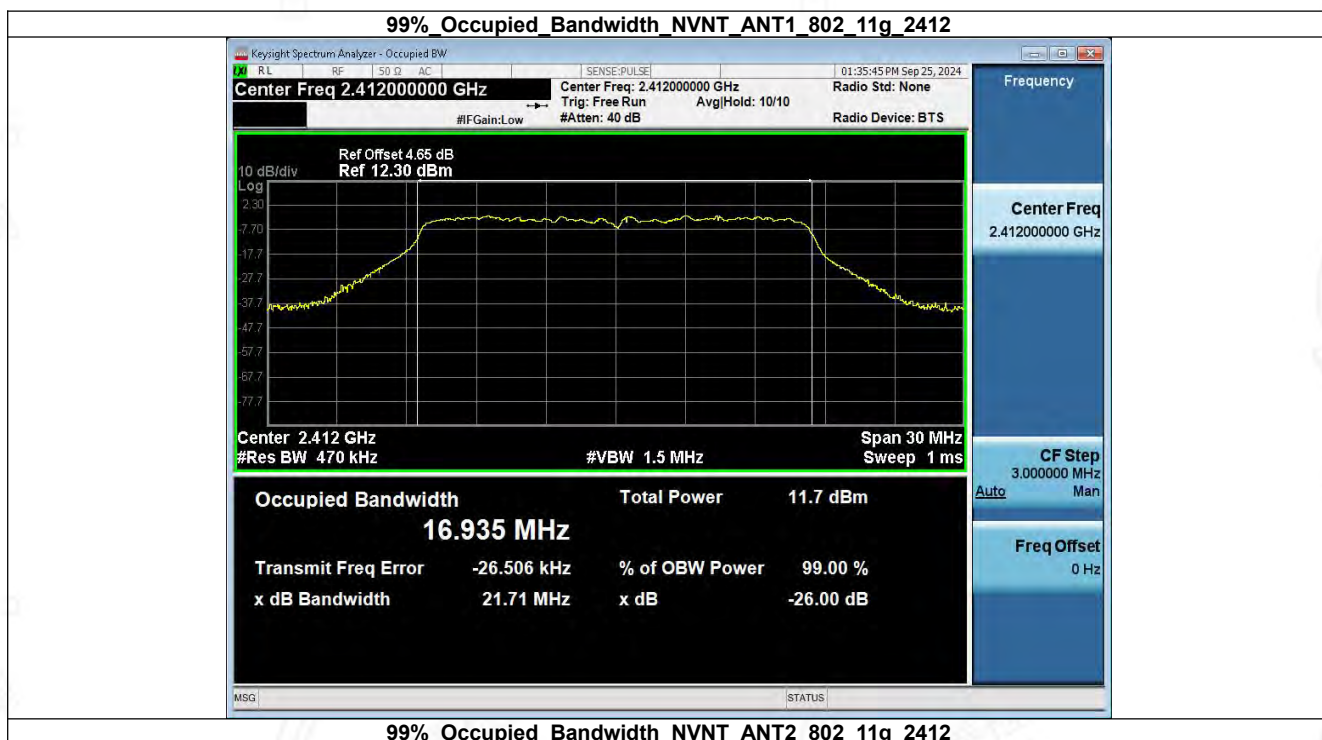


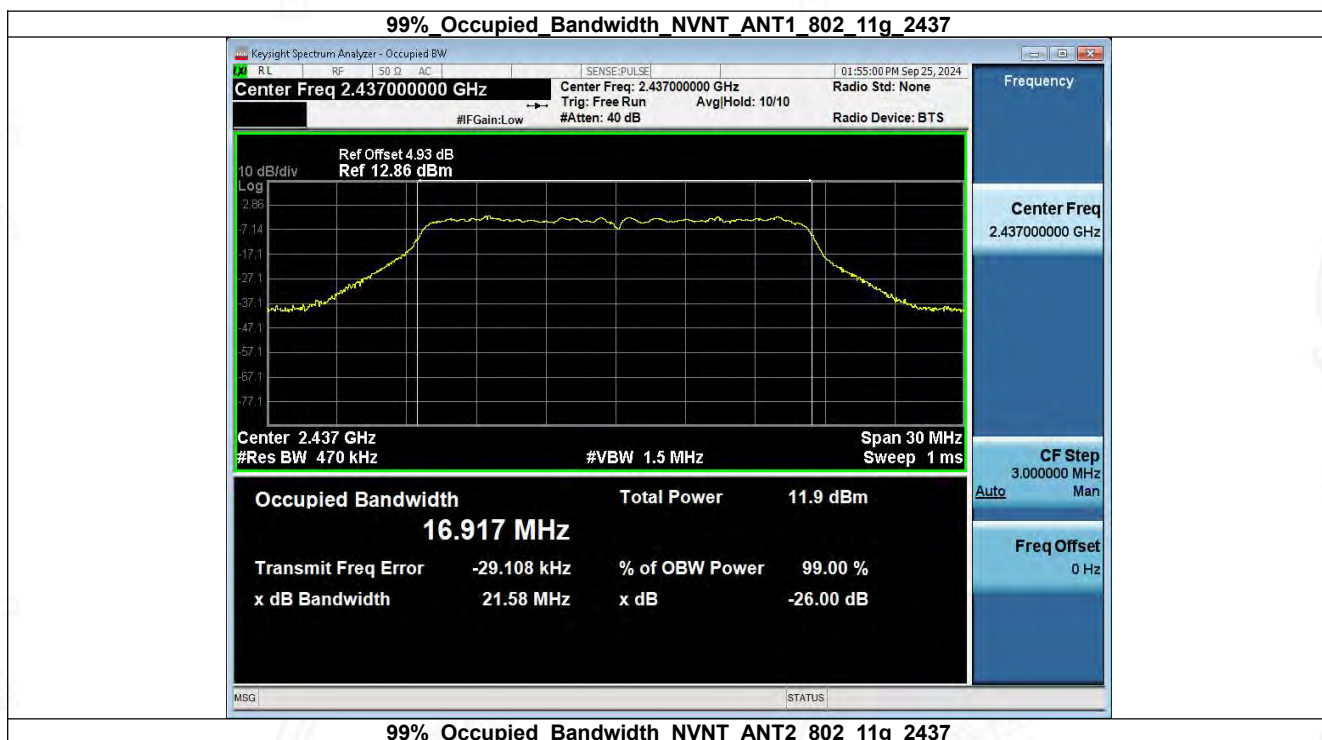
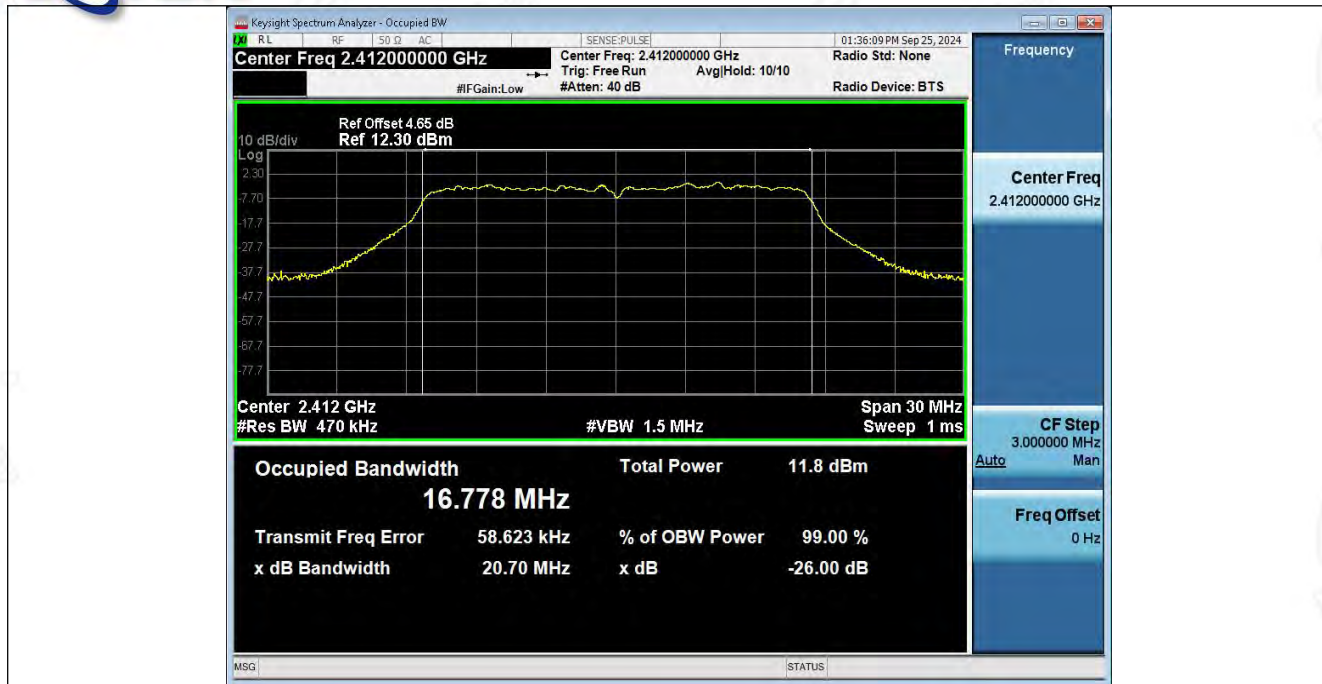
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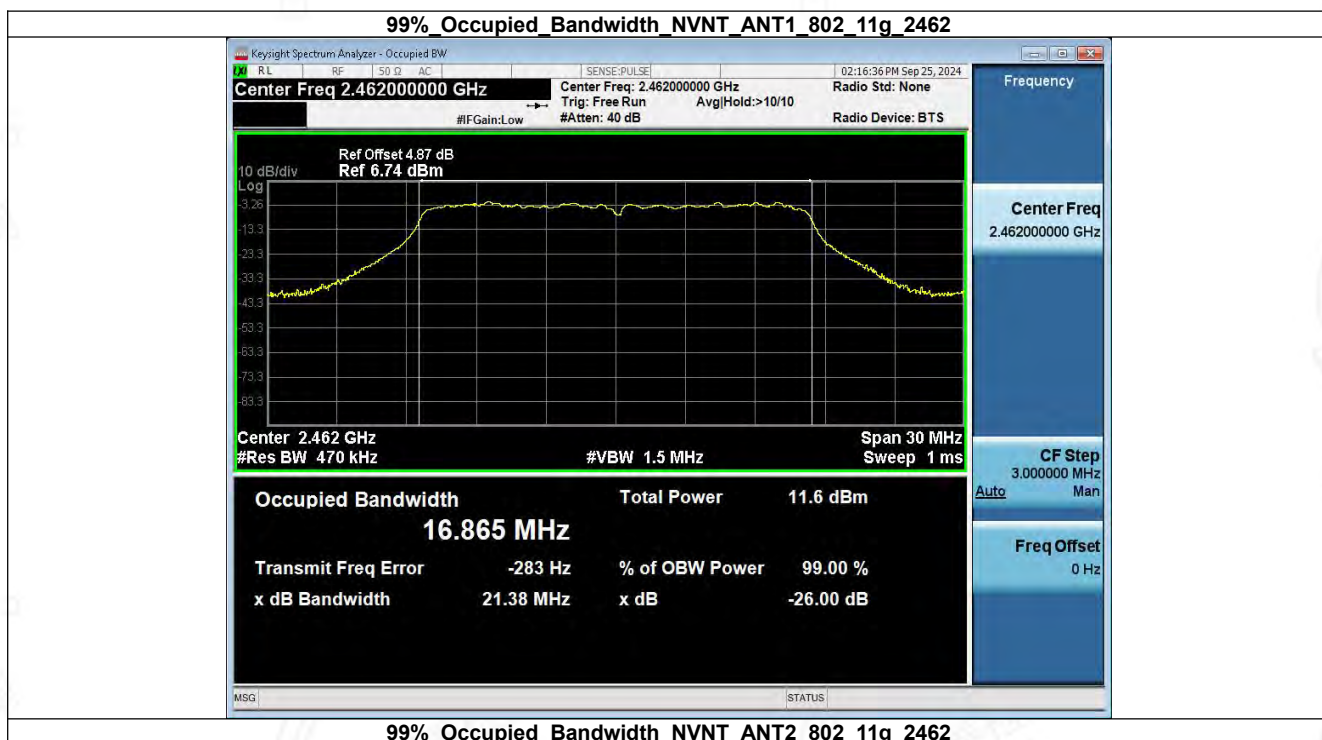


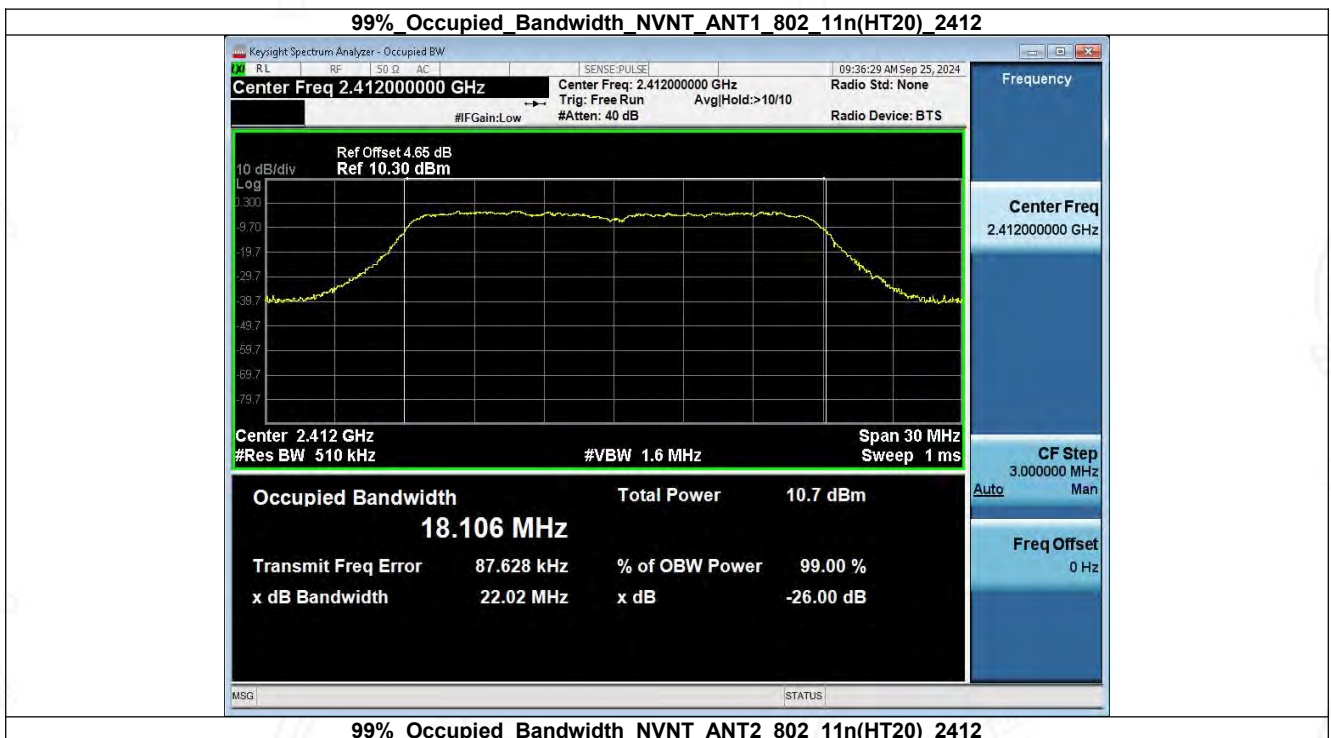
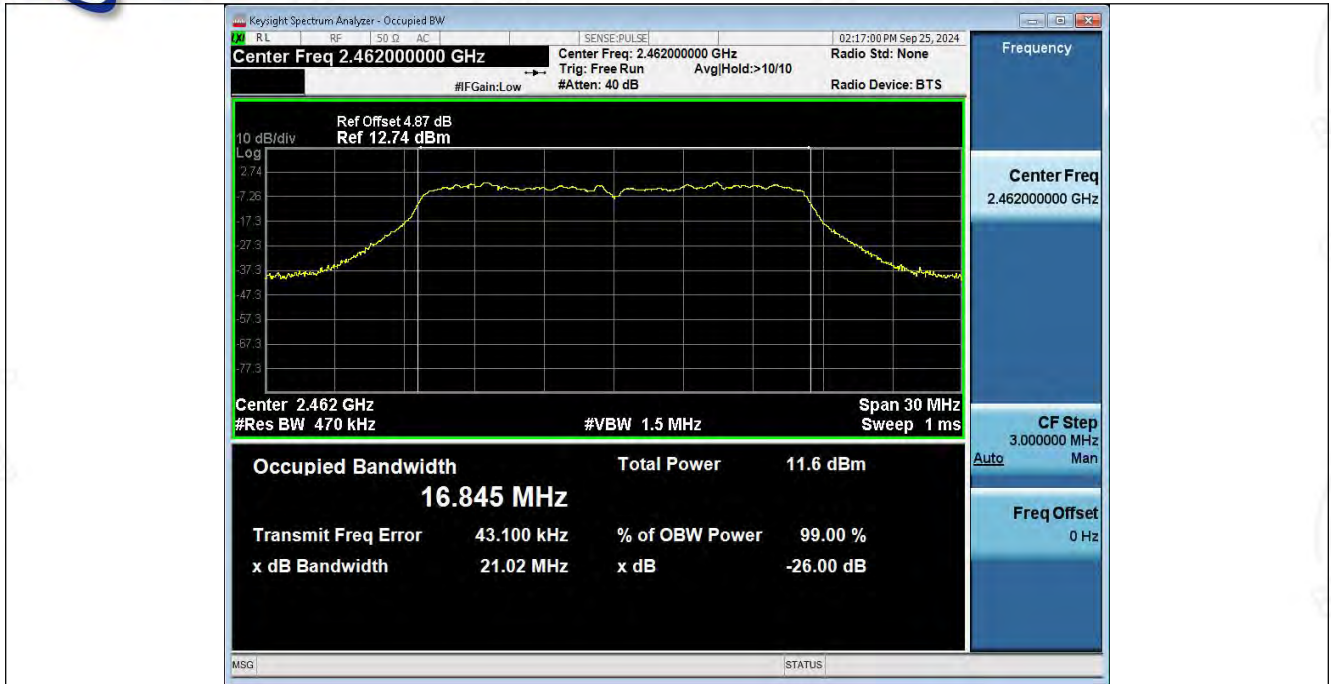


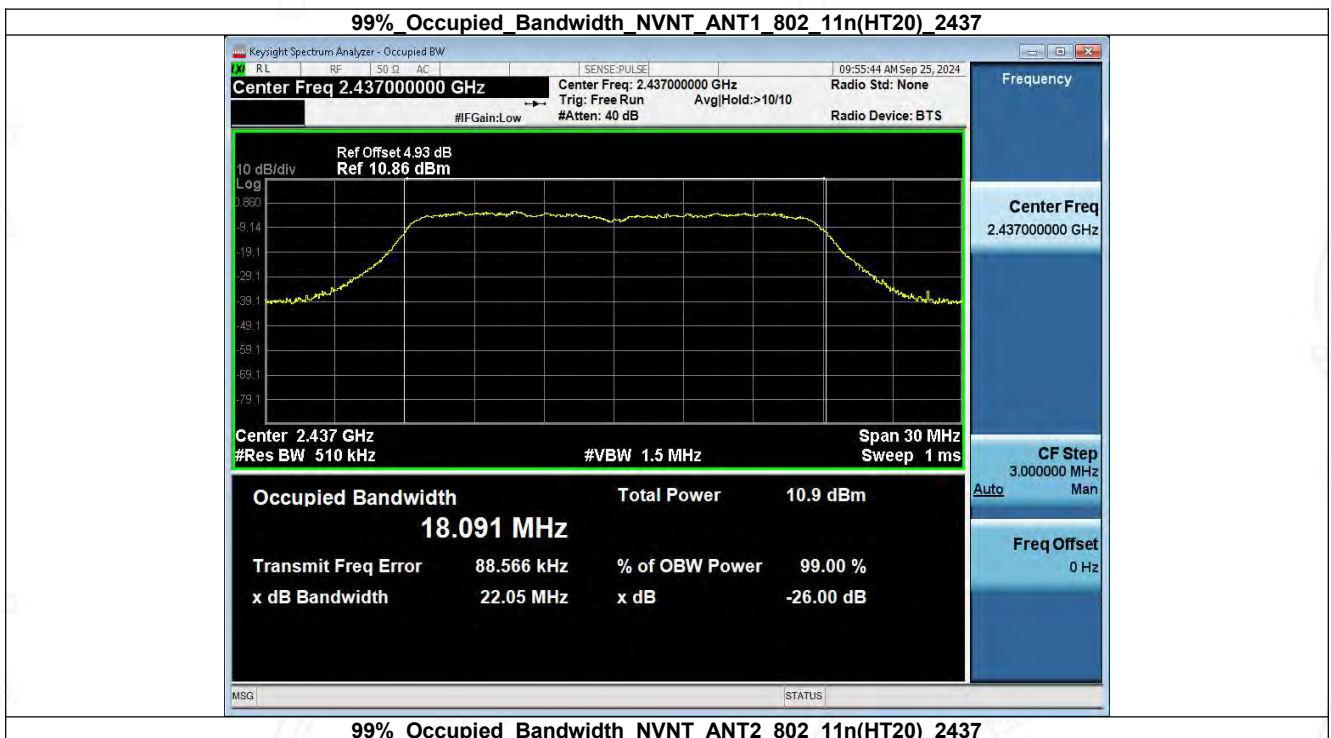


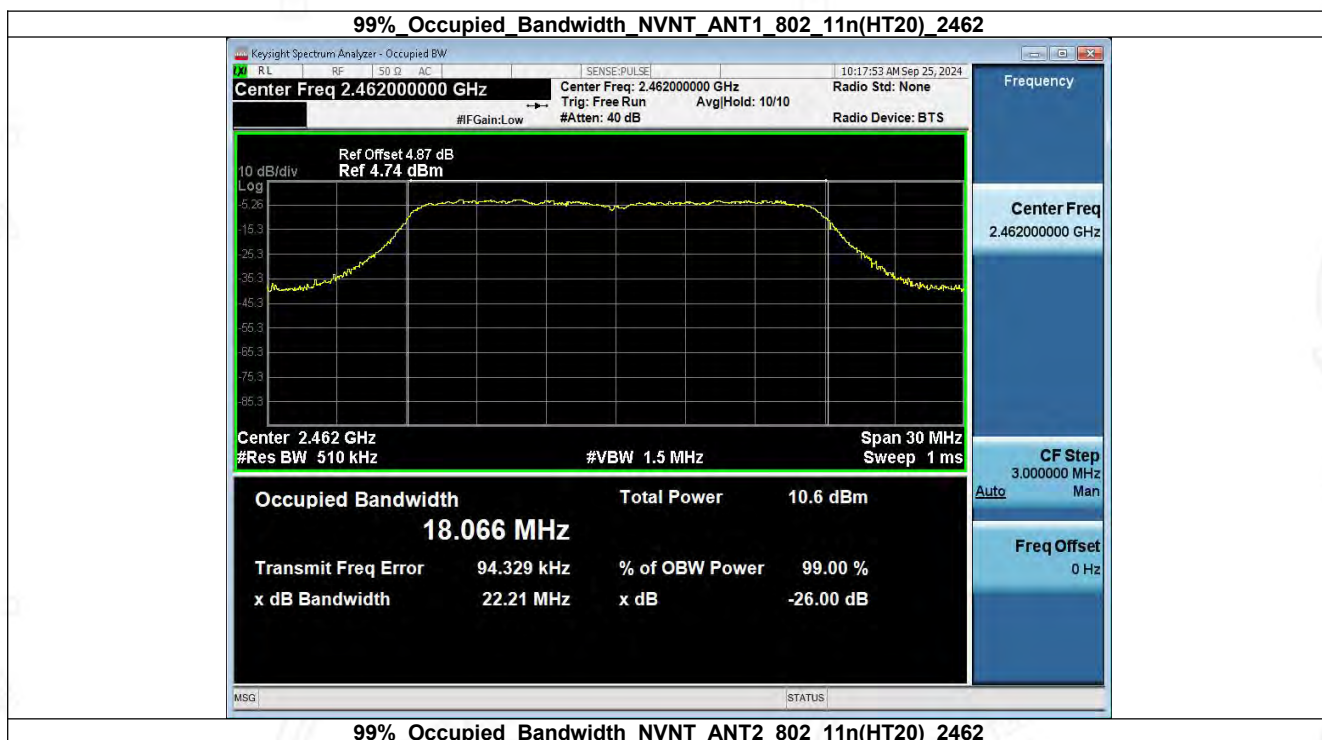


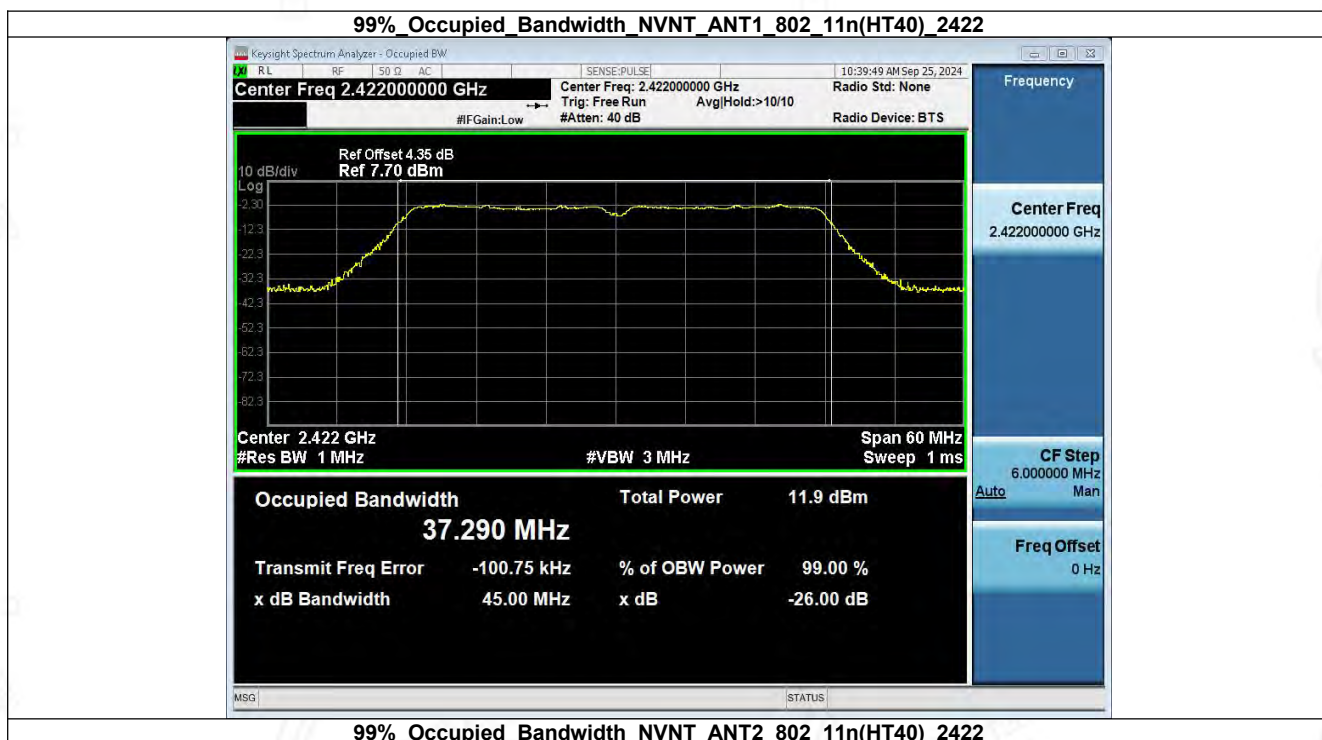


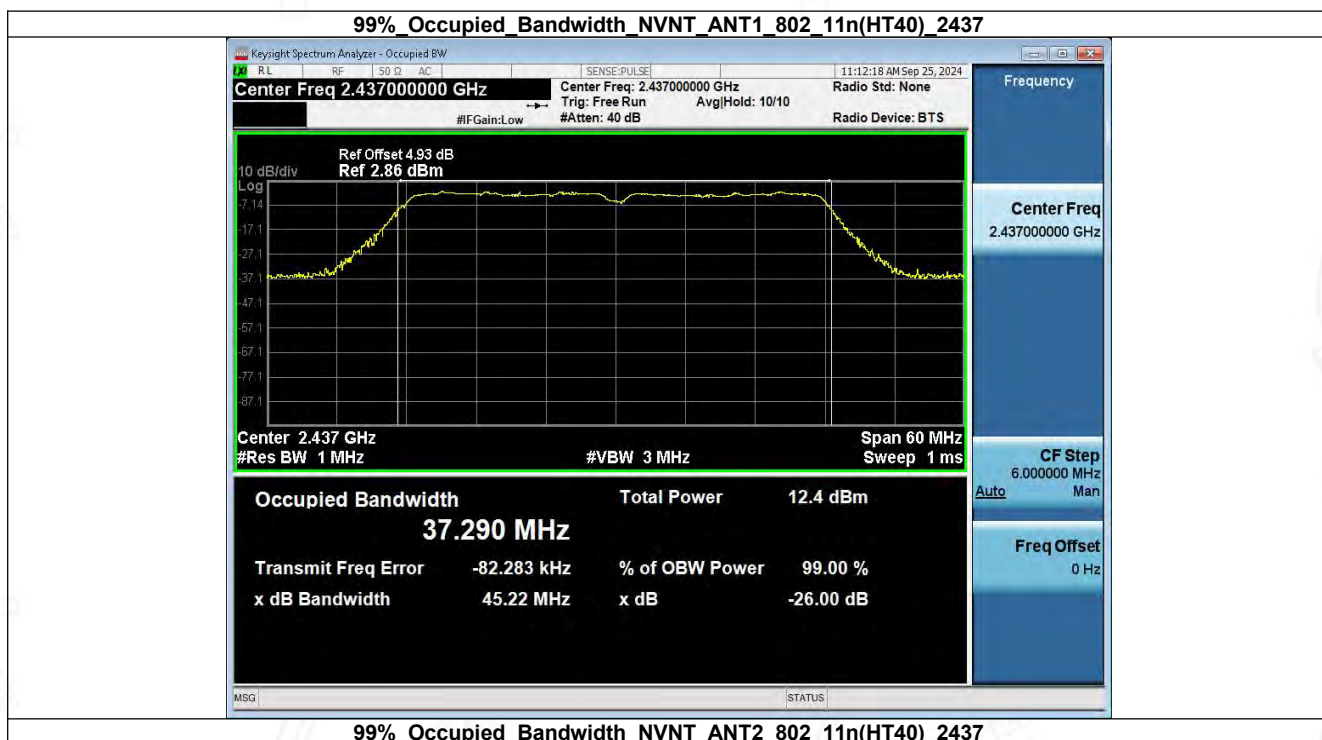
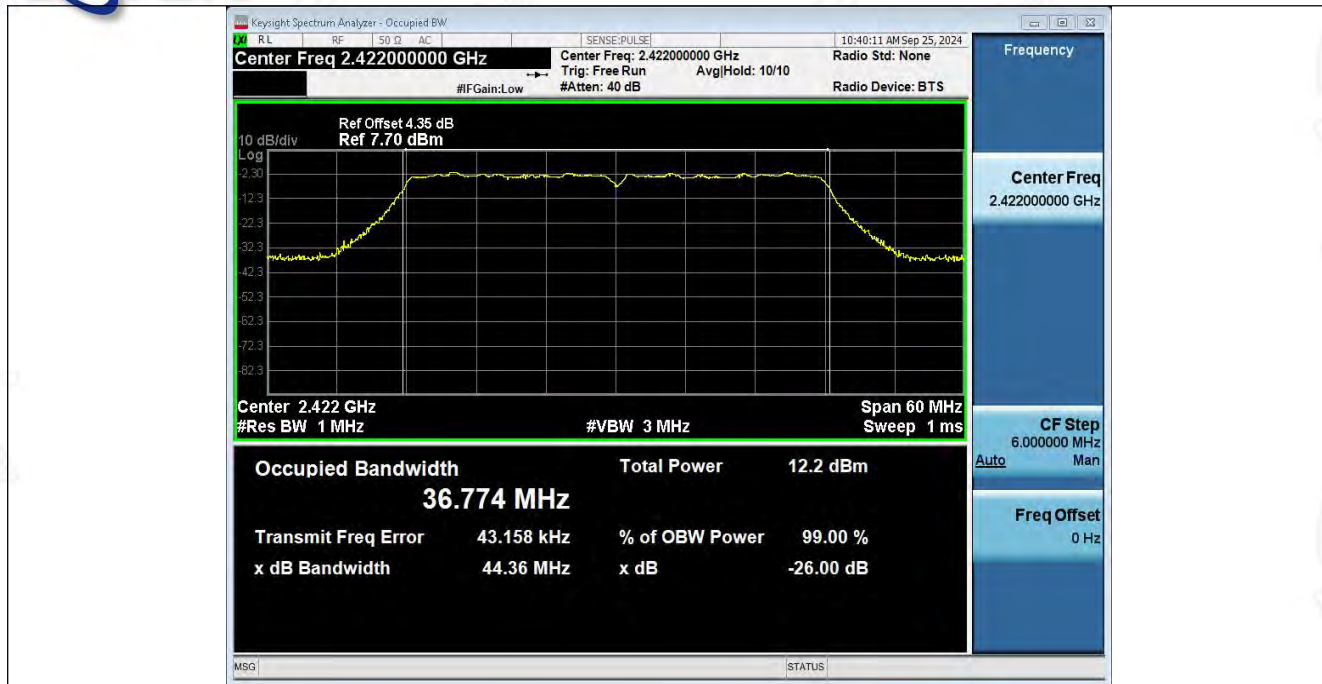


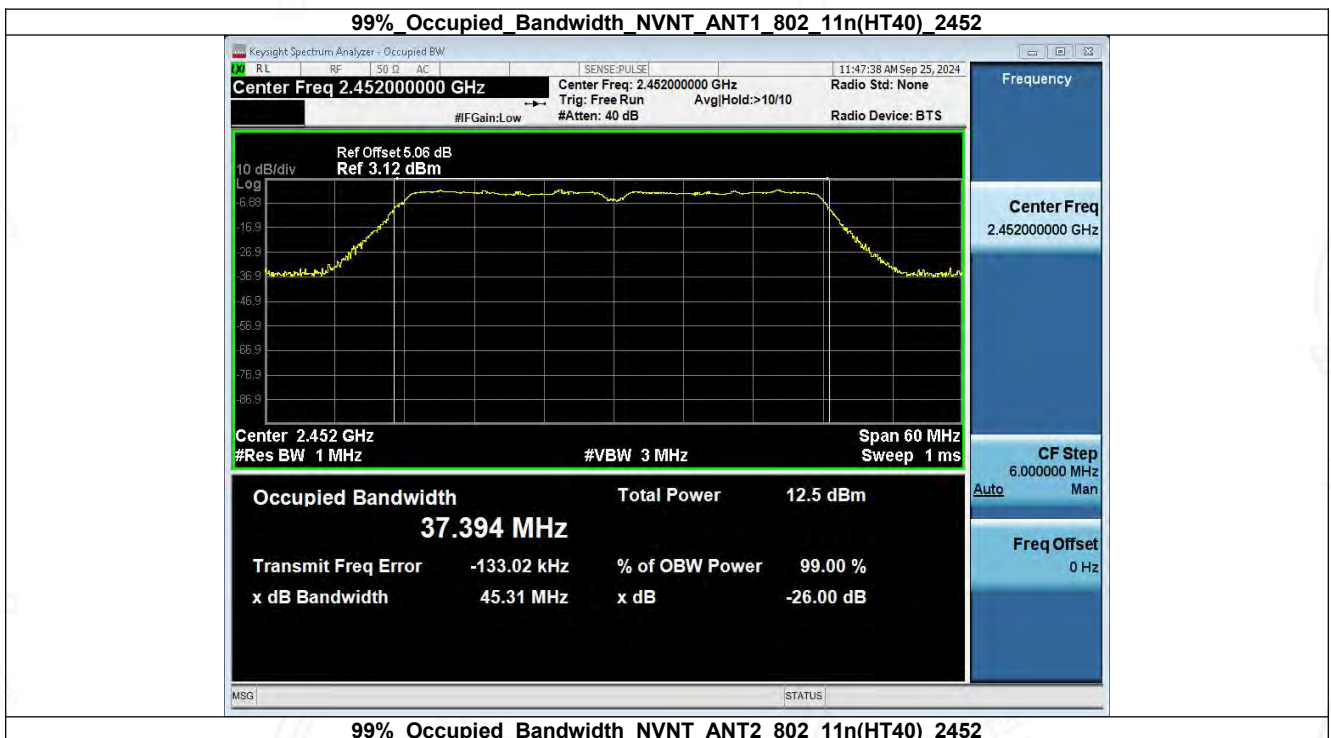














3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT2	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT2	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT2	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	100	0.00
NVNT	ANT2	802.11g	2412.00	100	0.00
NVNT	ANT1	802.11g	2437.00	100	0.00
NVNT	ANT2	802.11g	2437.00	100	0.00
NVNT	ANT1	802.11g	2462.00	100	0.00
NVNT	ANT2	802.11g	2462.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	100	0.00
NVNT	ANT2	802.11n(HT20)	2412.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	100	0.00
NVNT	ANT2	802.11n(HT20)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	100	0.00
NVNT	ANT2	802.11n(HT20)	2462.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	100	0.00
NVNT	ANT2	802.11n(HT40)	2422.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2437.00	100	0.00
NVNT	ANT2	802.11n(HT40)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	100	0.00
NVNT	ANT2	802.11n(HT40)	2452.00	100	0.00

