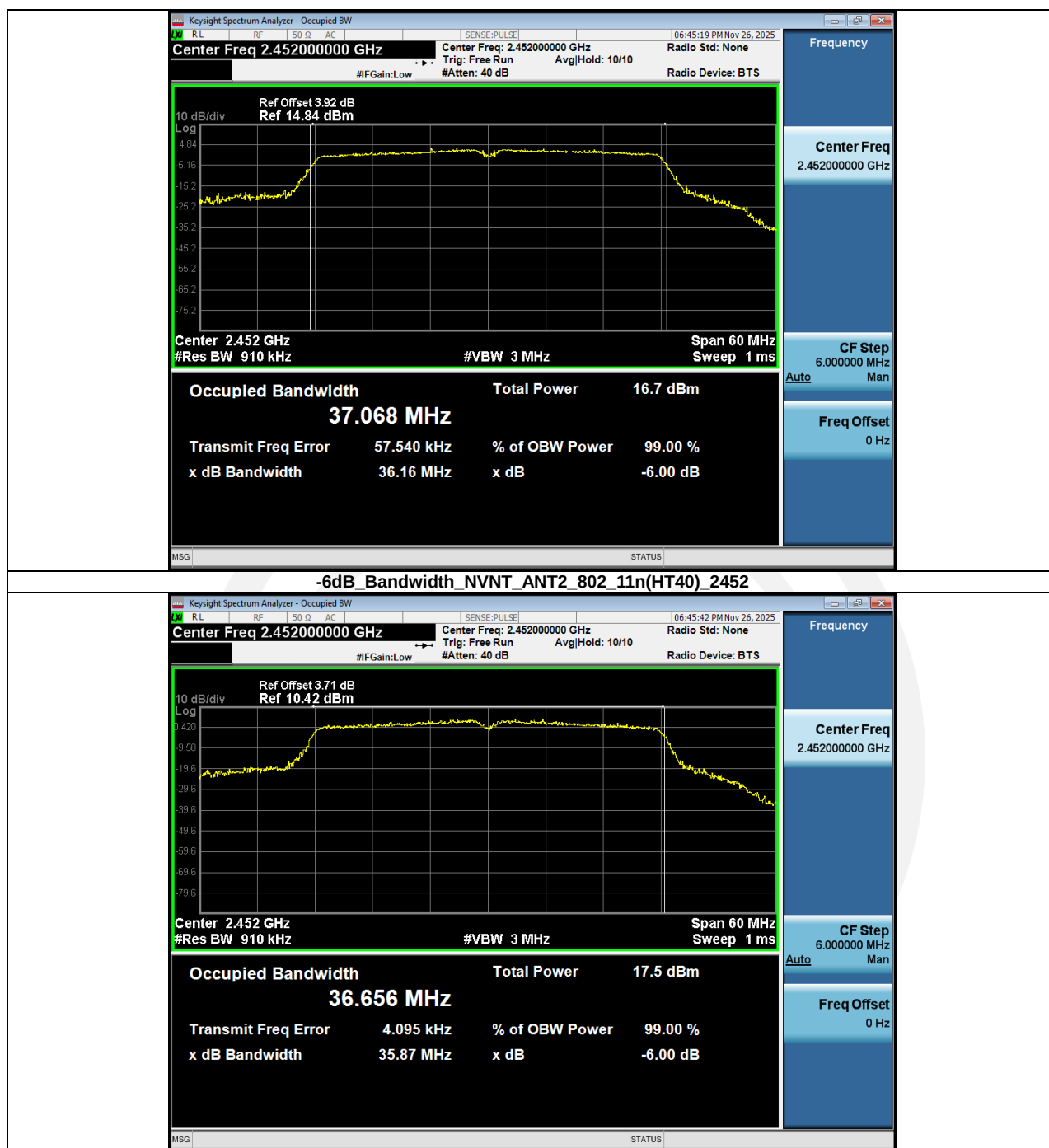
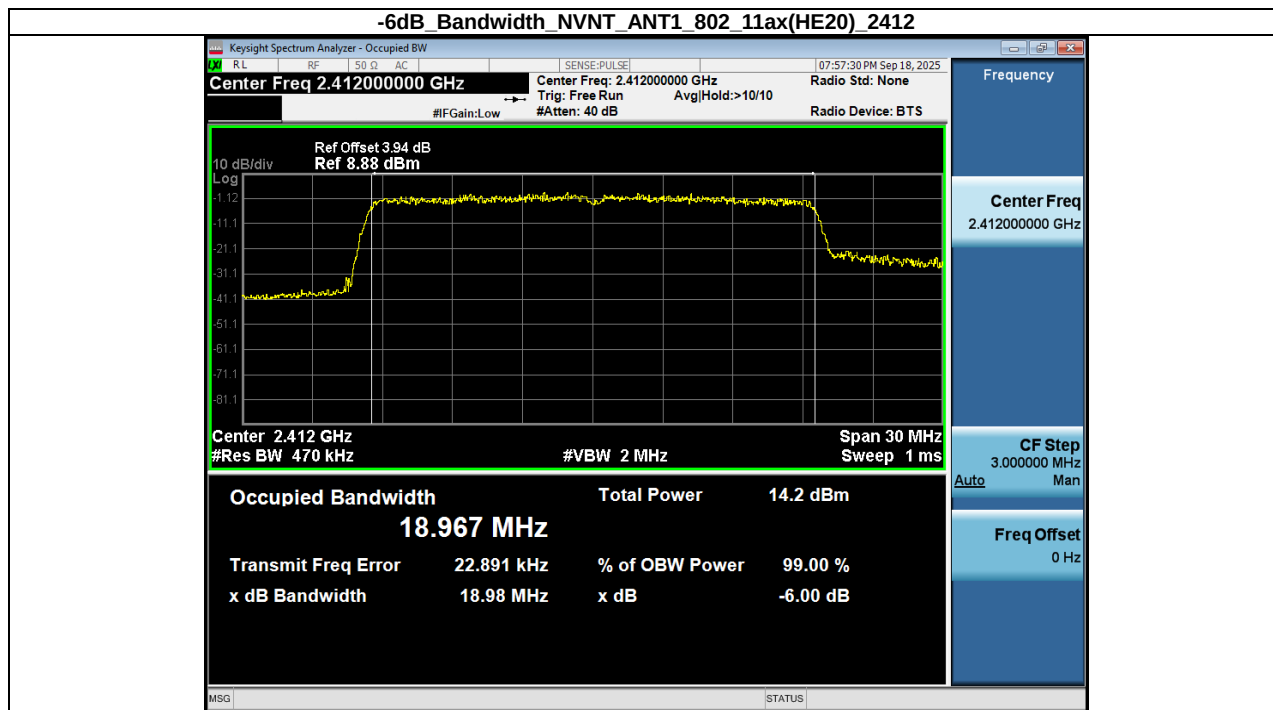
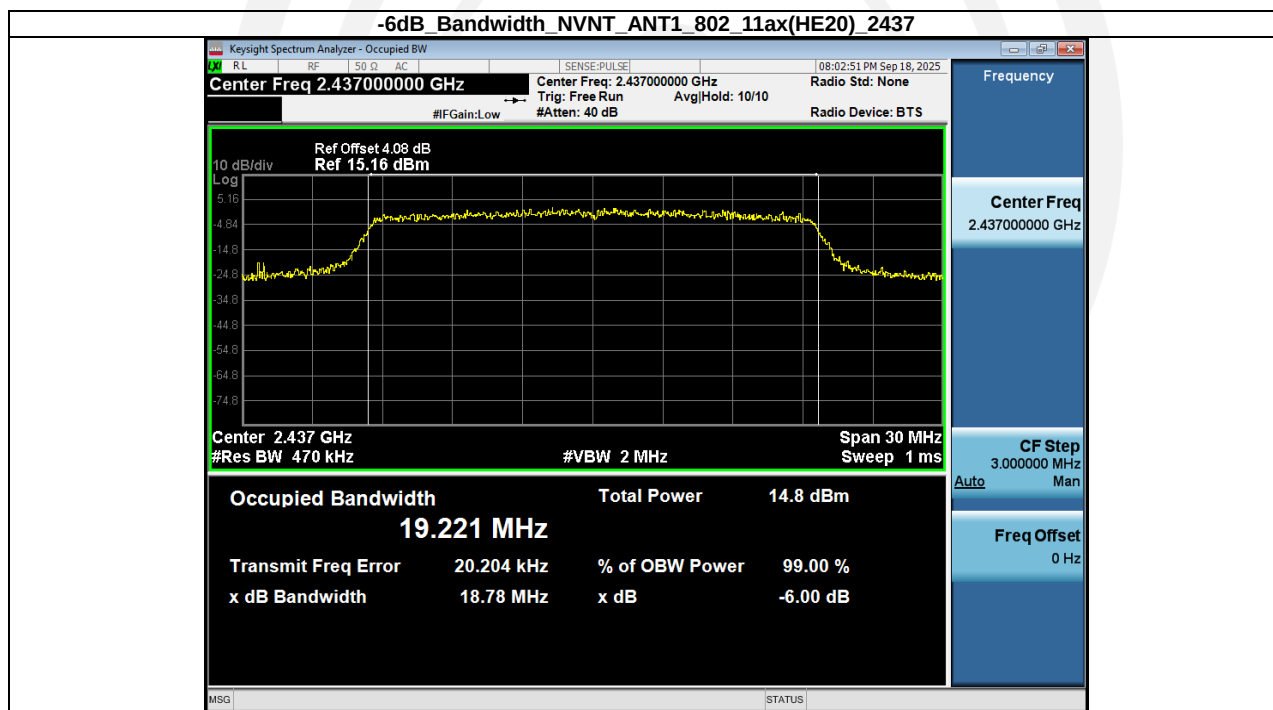
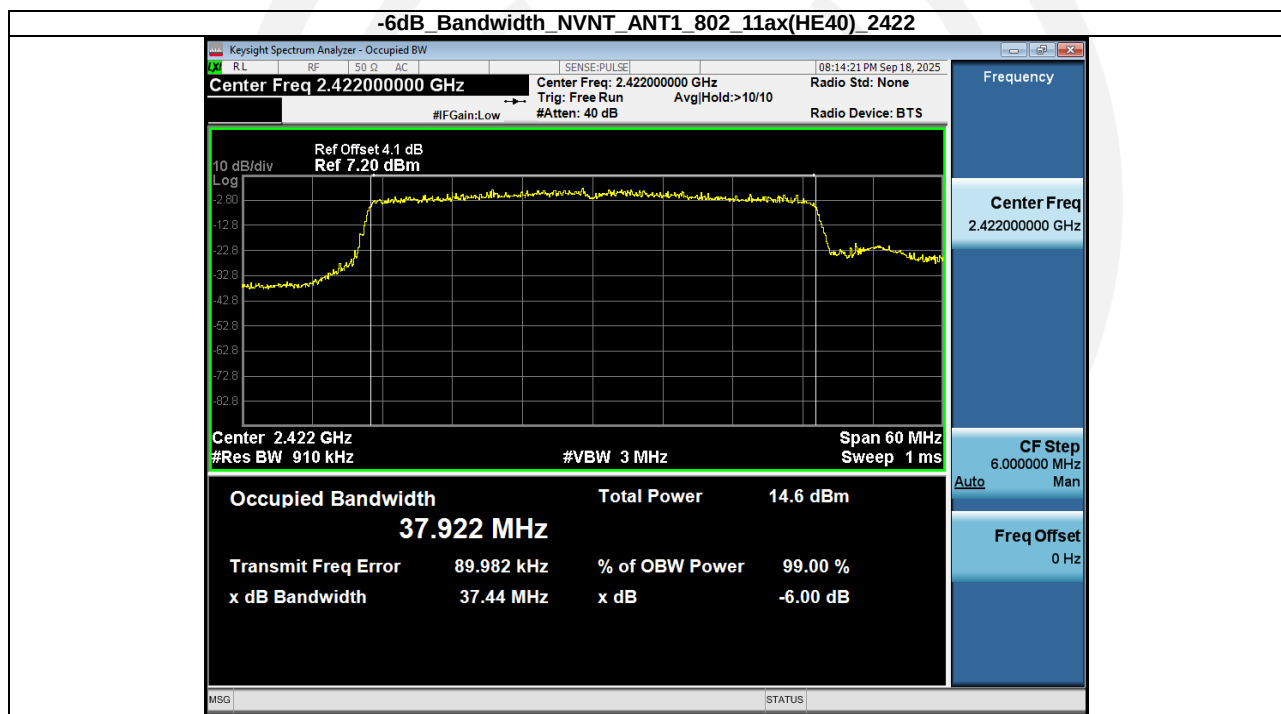
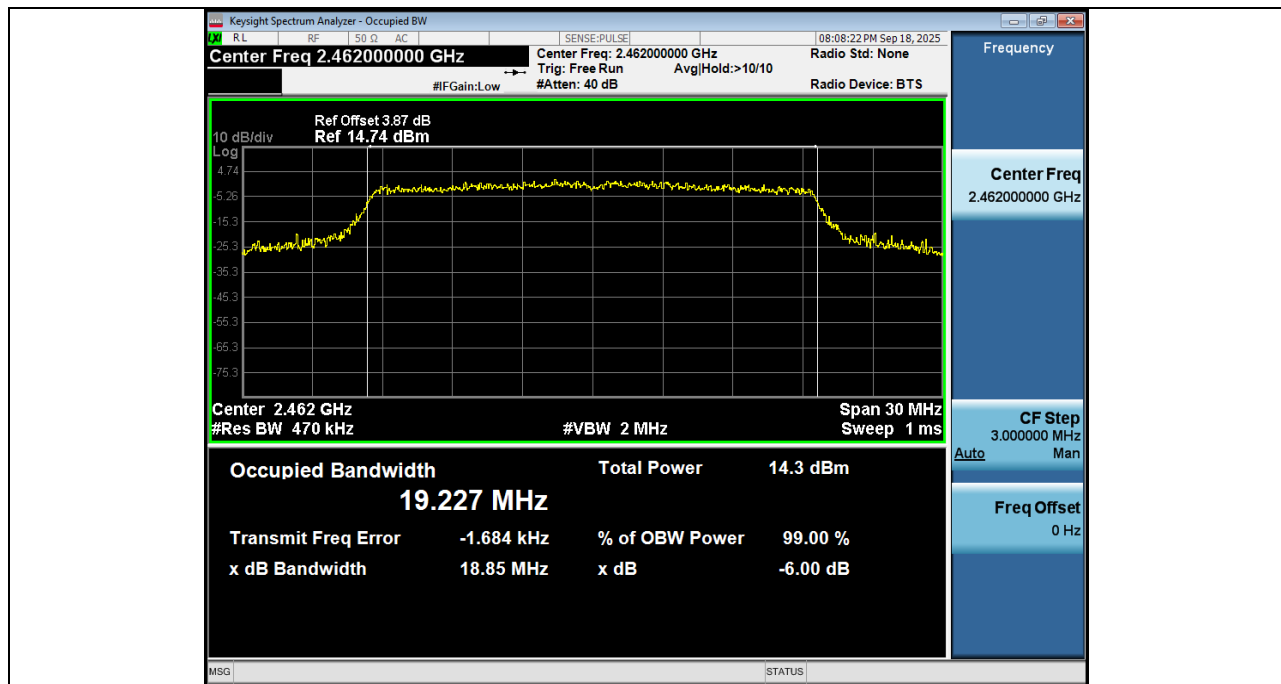
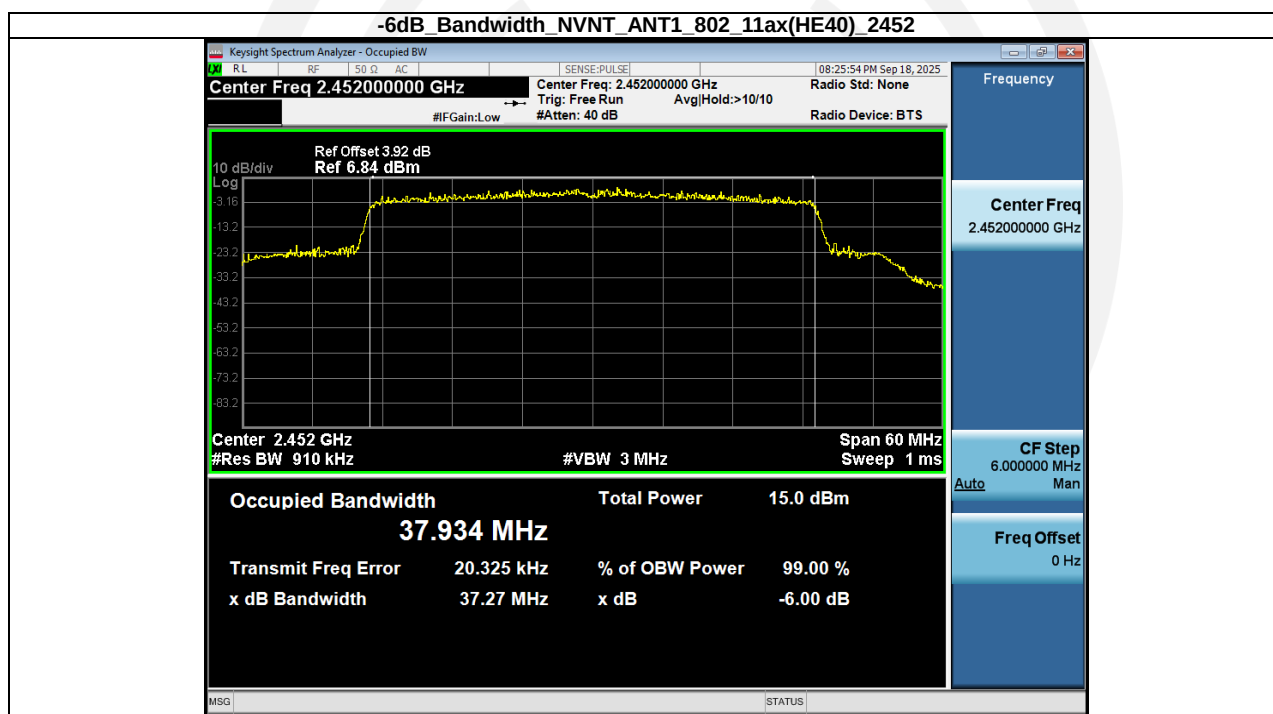
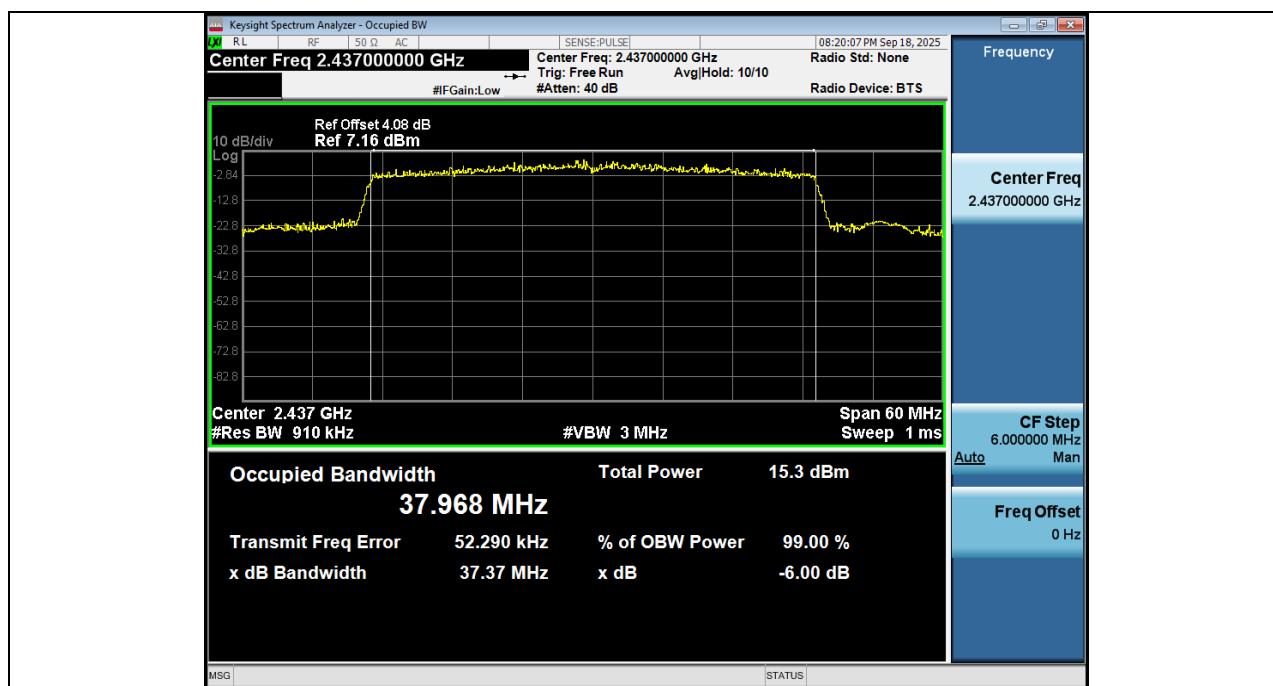




-6dB Bandwidth_NVNT_ANT1_802_11ax(HE20)_2412**-6dB Bandwidth_NVNT_ANT1_802_11ax(HE20)_2437****-6dB Bandwidth_NVNT_ANT1_802_11ax(HE20)_2462**

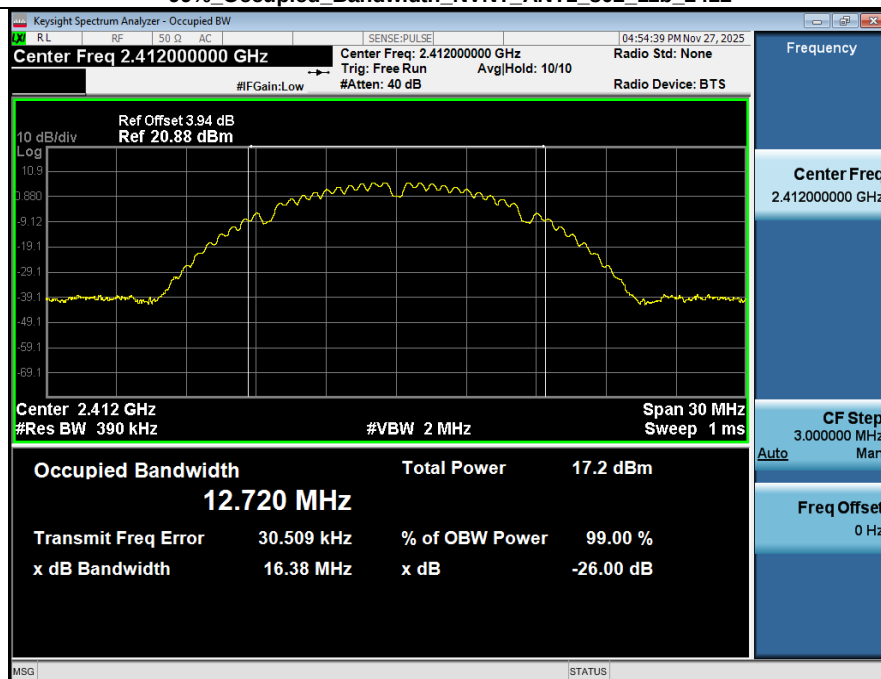


-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2437

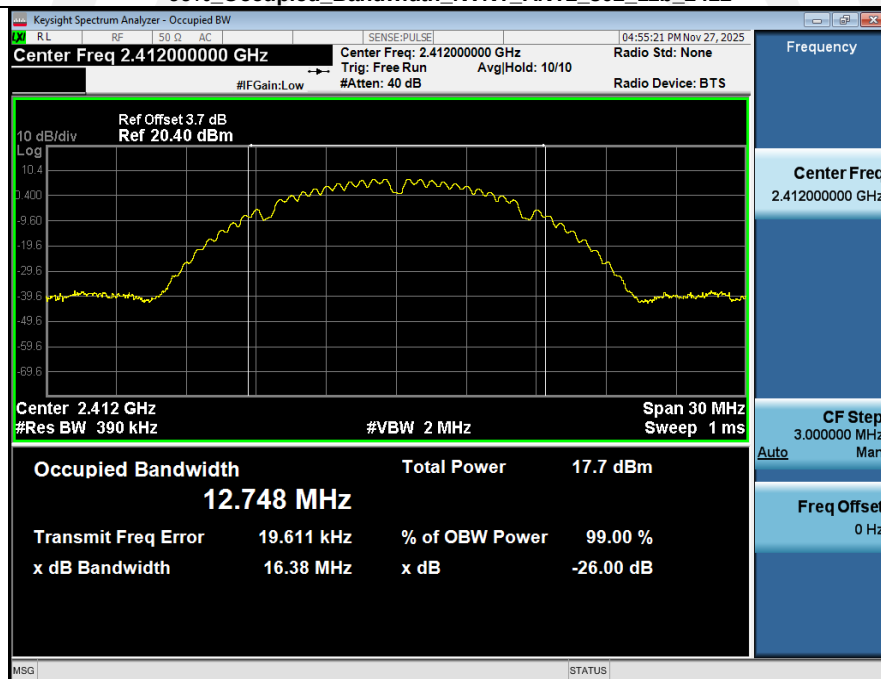


Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.720
NVNT	ANT2	802.11b	2412.00	12.748
NVNT	ANT1	802.11b	2437.00	12.737
NVNT	ANT2	802.11b	2437.00	12.752
NVNT	ANT1	802.11b	2462.00	12.727
NVNT	ANT2	802.11b	2462.00	12.740
NVNT	ANT1	802.11g	2412.00	17.414
NVNT	ANT2	802.11g	2412.00	17.584
NVNT	ANT1	802.11g	2437.00	17.913
NVNT	ANT2	802.11g	2437.00	17.980
NVNT	ANT1	802.11g	2462.00	17.925
NVNT	ANT2	802.11g	2462.00	17.809
NVNT	ANT1	802.11n(HT20)	2412.00	18.295
NVNT	ANT2	802.11n(HT20)	2412.00	18.123
NVNT	ANT1	802.11n(HT20)	2437.00	19.007
NVNT	ANT2	802.11n(HT20)	2437.00	18.432
NVNT	ANT1	802.11n(HT20)	2462.00	18.784
NVNT	ANT2	802.11n(HT20)	2462.00	18.459
NVNT	ANT1	802.11n(HT40)	2422.00	36.521
NVNT	ANT2	802.11n(HT40)	2422.00	36.700
NVNT	ANT1	802.11n(HT40)	2437.00	37.220
NVNT	ANT2	802.11n(HT40)	2437.00	36.854
NVNT	ANT1	802.11n(HT40)	2452.00	37.106
NVNT	ANT2	802.11n(HT40)	2452.00	36.832
NVNT	ANT1	802.11ax(HE20)	2412.00	18.997
NVNT	ANT1	802.11ax(HE20)	2437.00	19.400
NVNT	ANT1	802.11ax(HE20)	2462.00	19.364
NVNT	ANT1	802.11ax(HE40)	2422.00	37.955
NVNT	ANT1	802.11ax(HE40)	2437.00	38.015
NVNT	ANT1	802.11ax(HE40)	2452.00	38.035

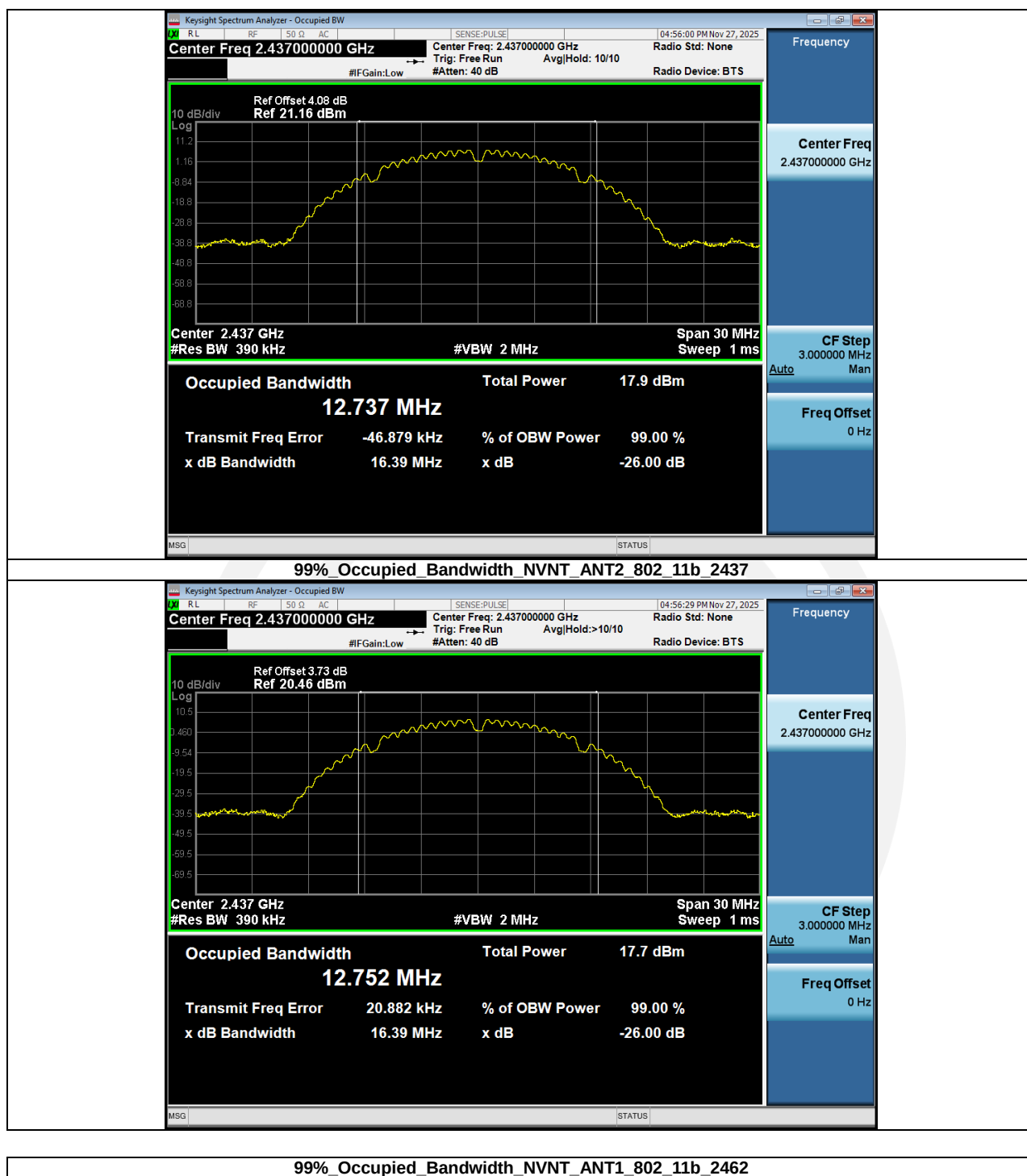
99% Occupied Bandwidth NVNT_ANT1_802_11b_2412

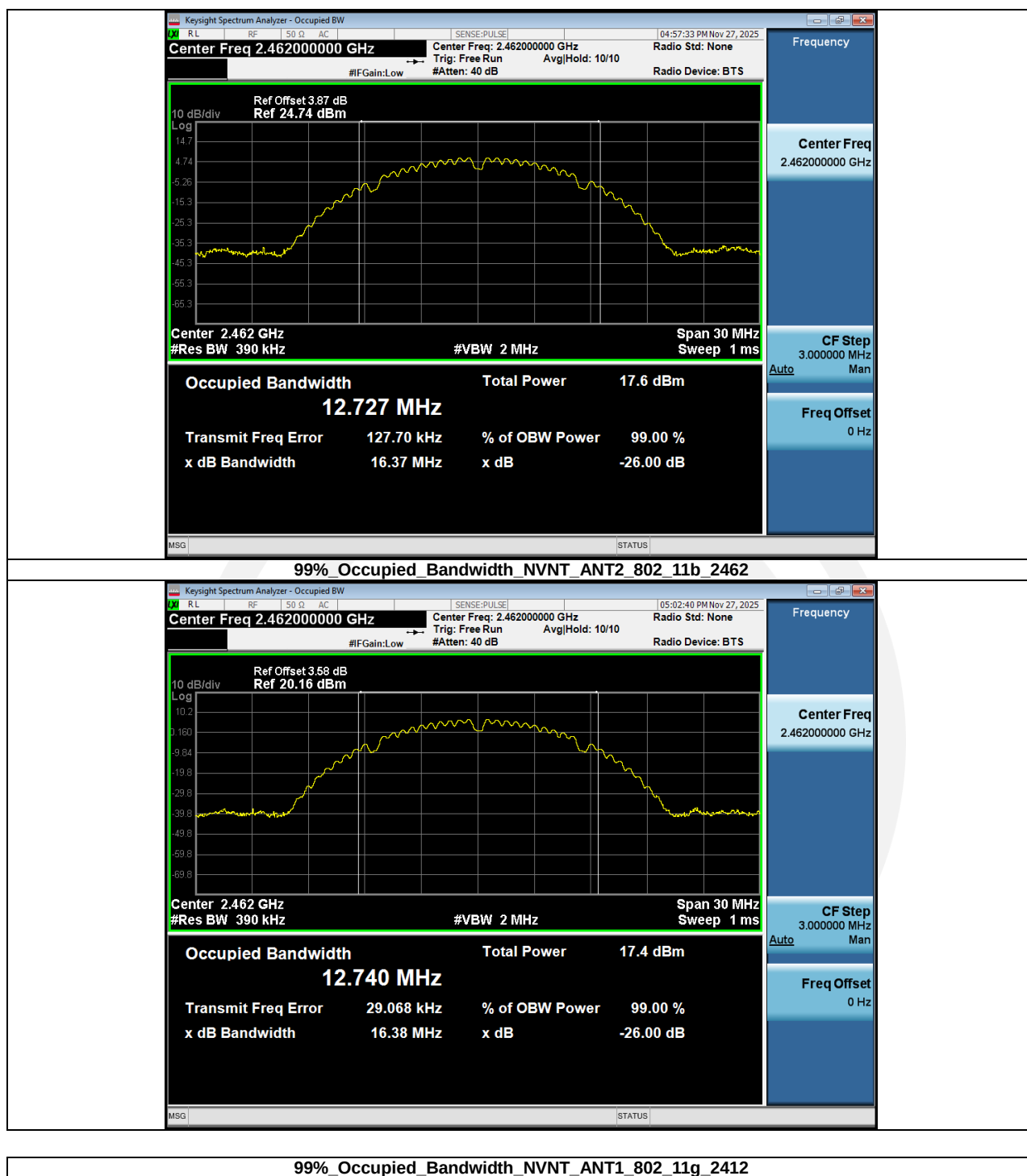


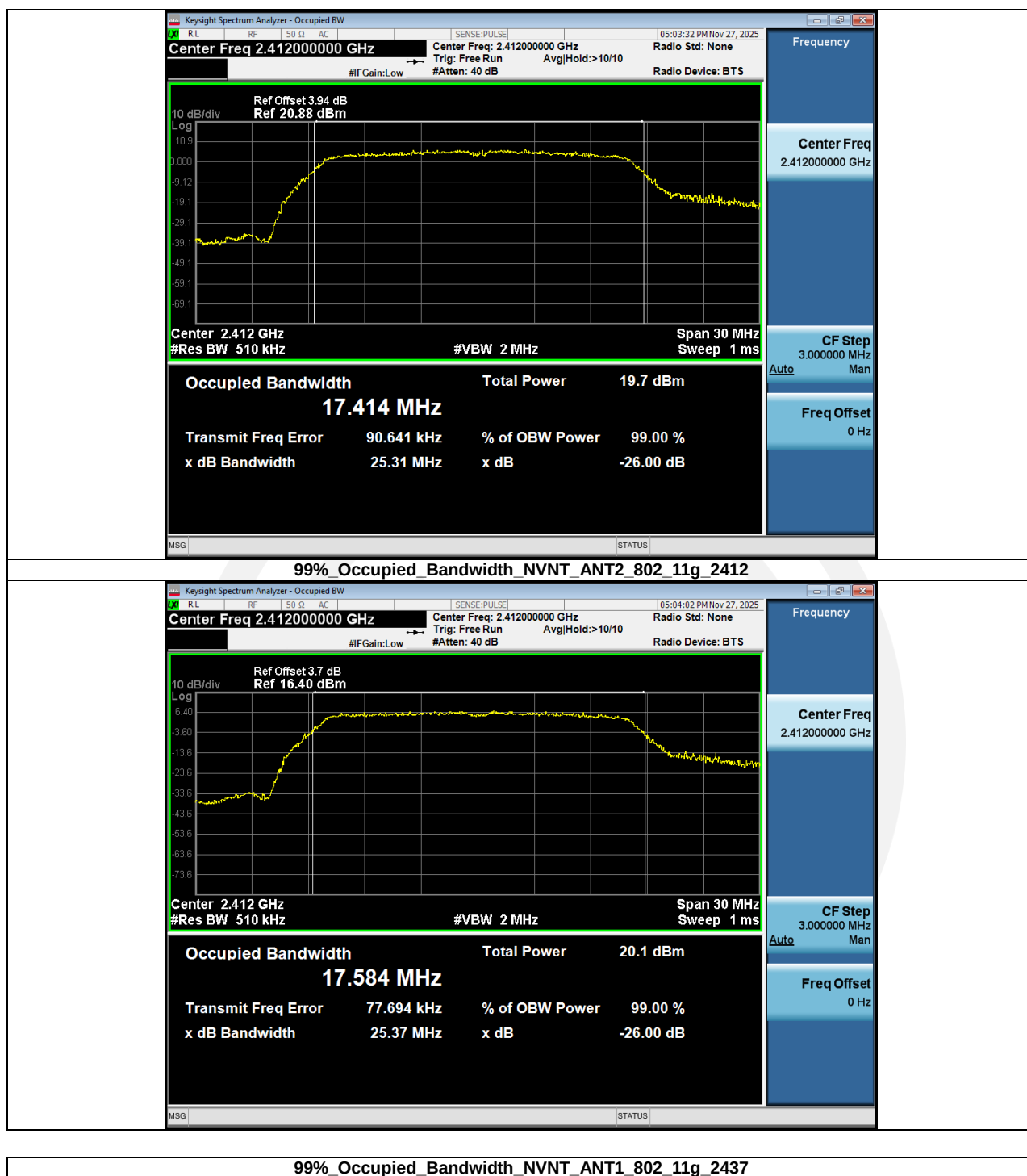
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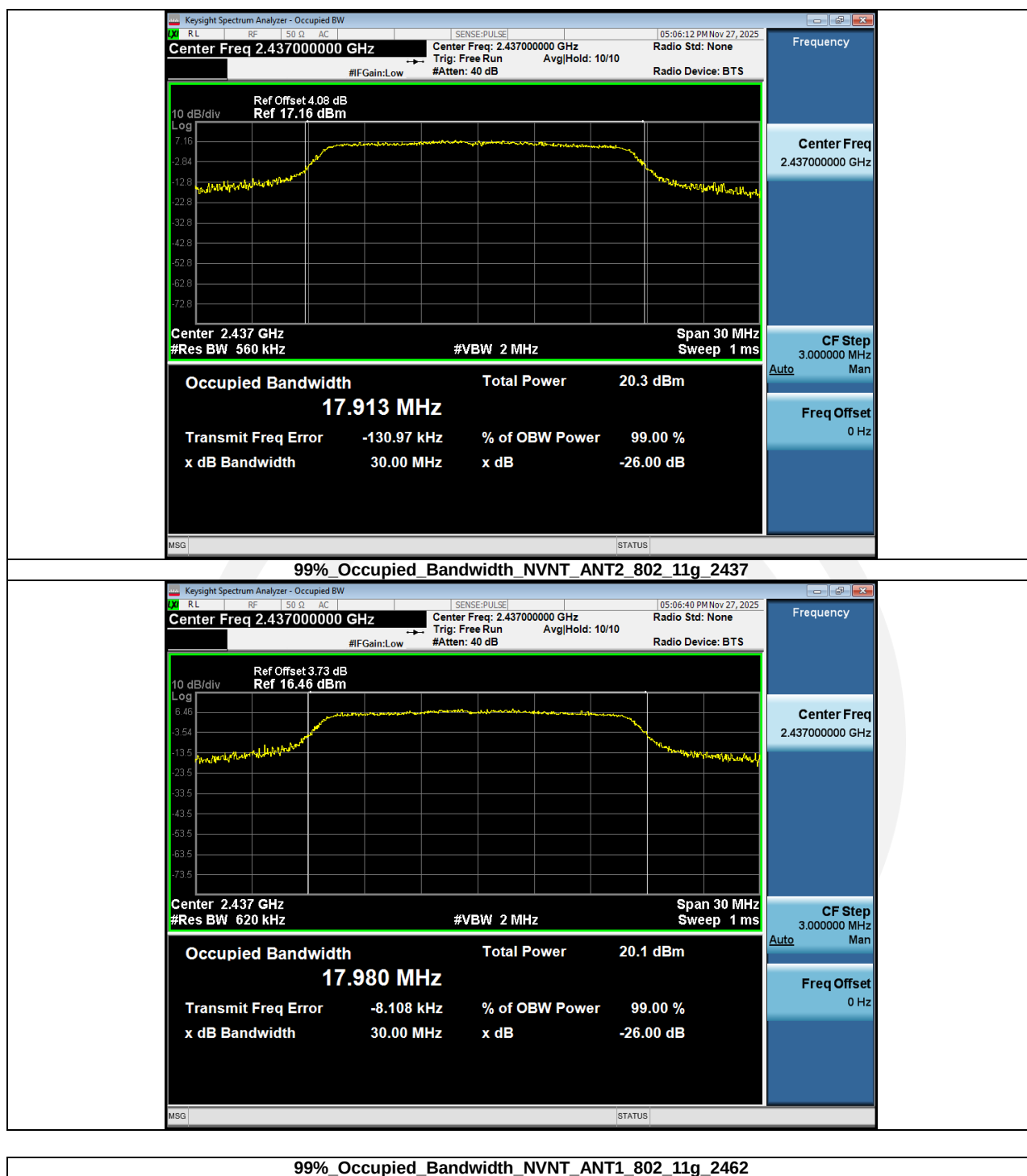


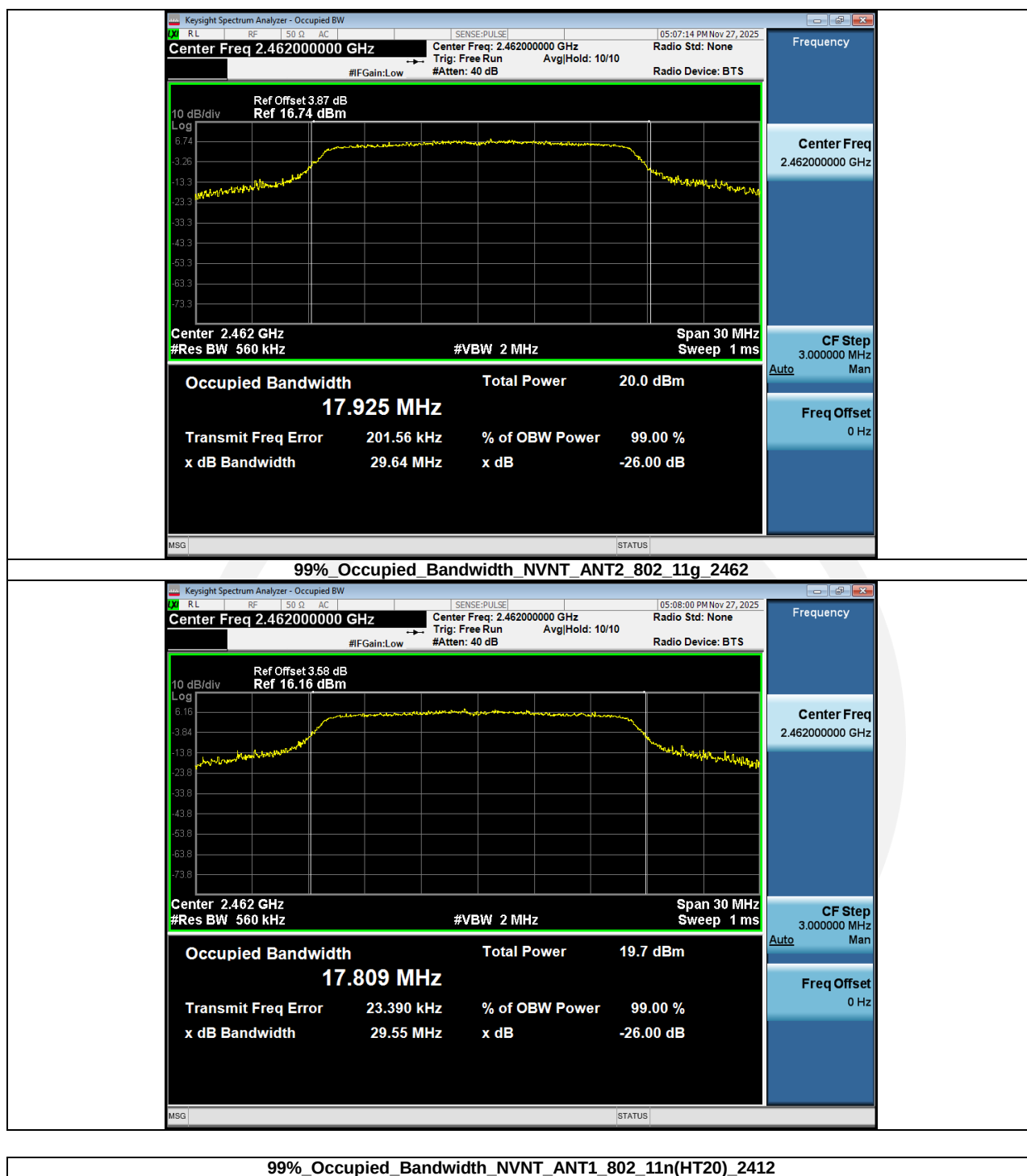
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437

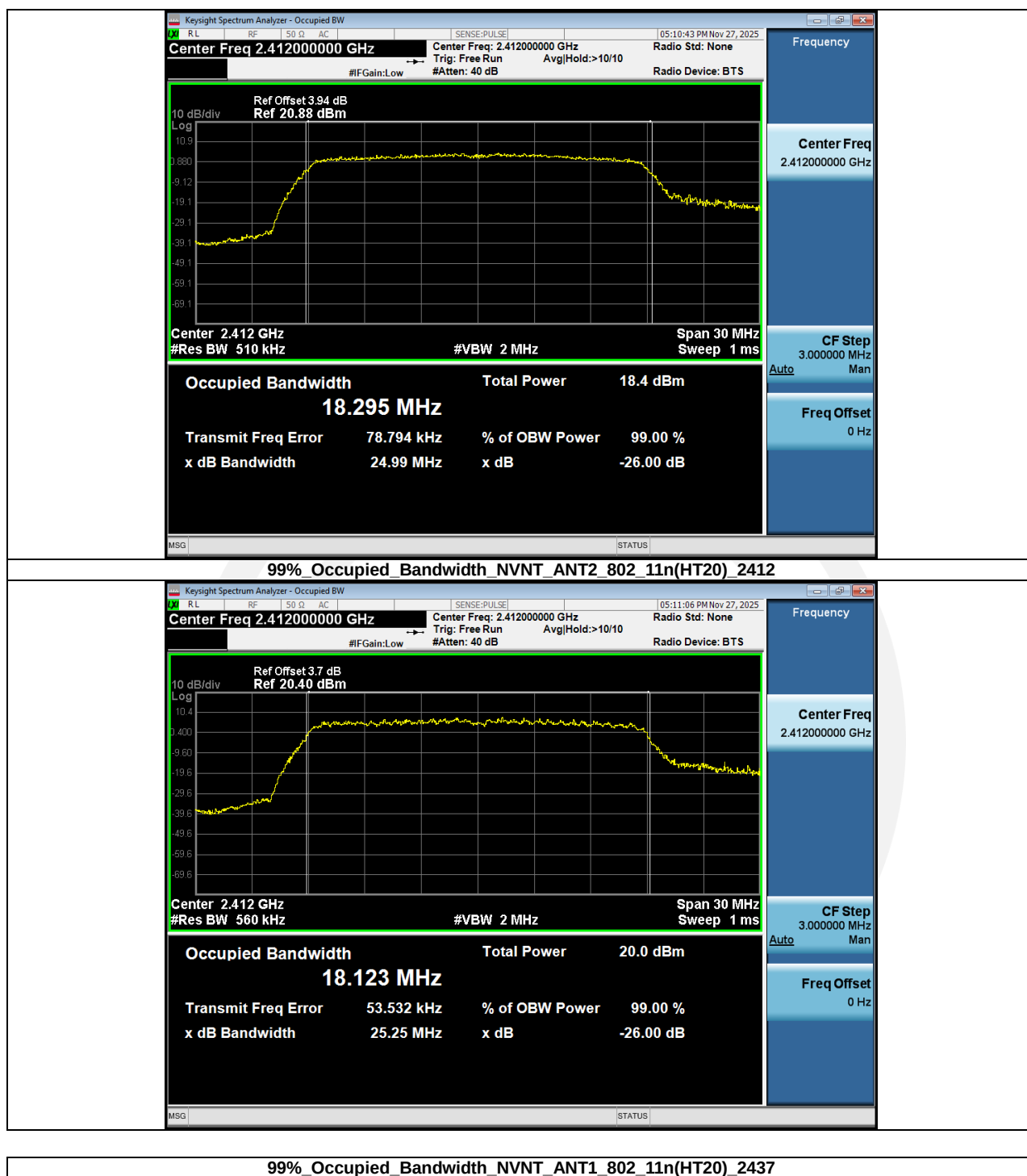


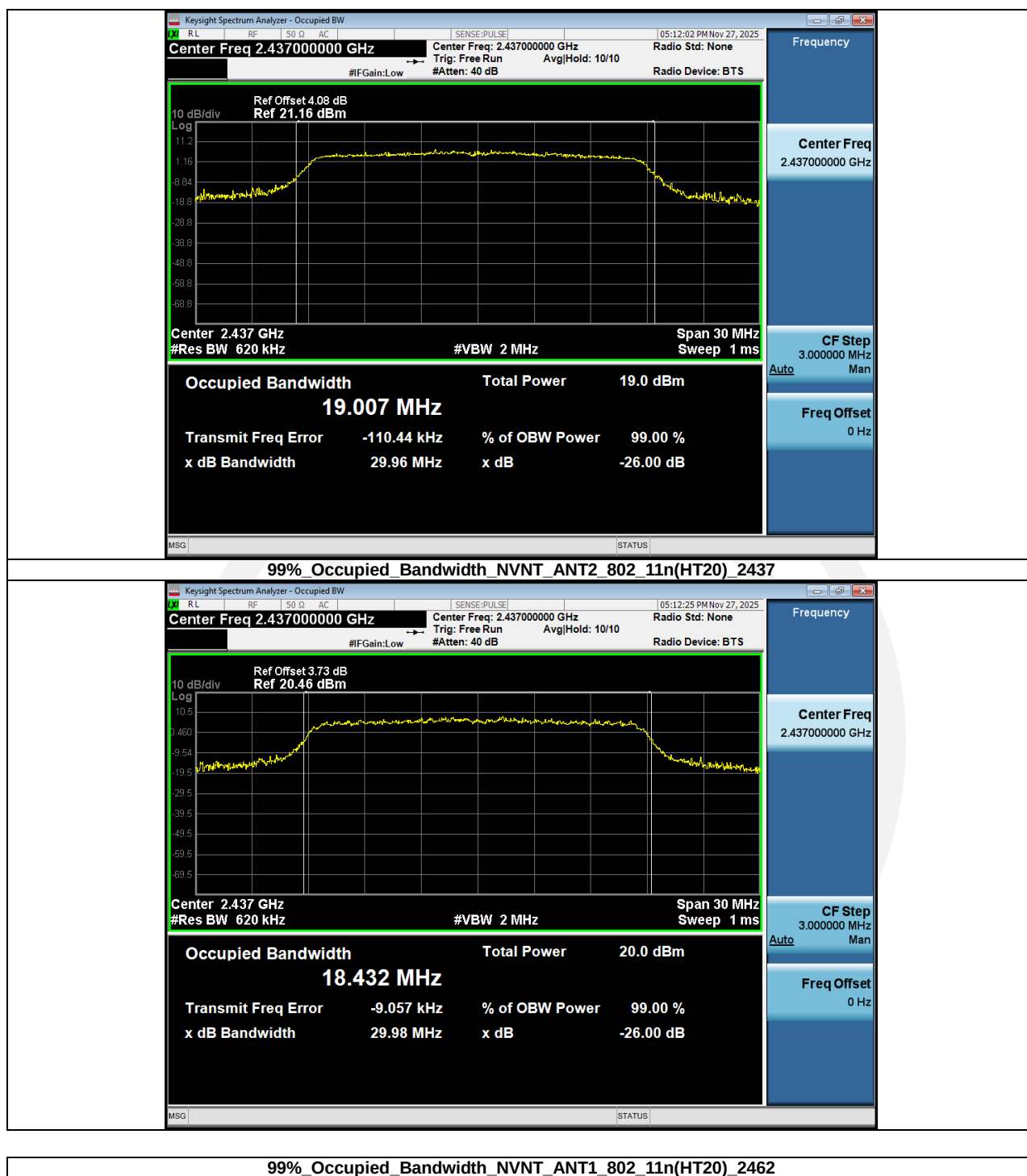


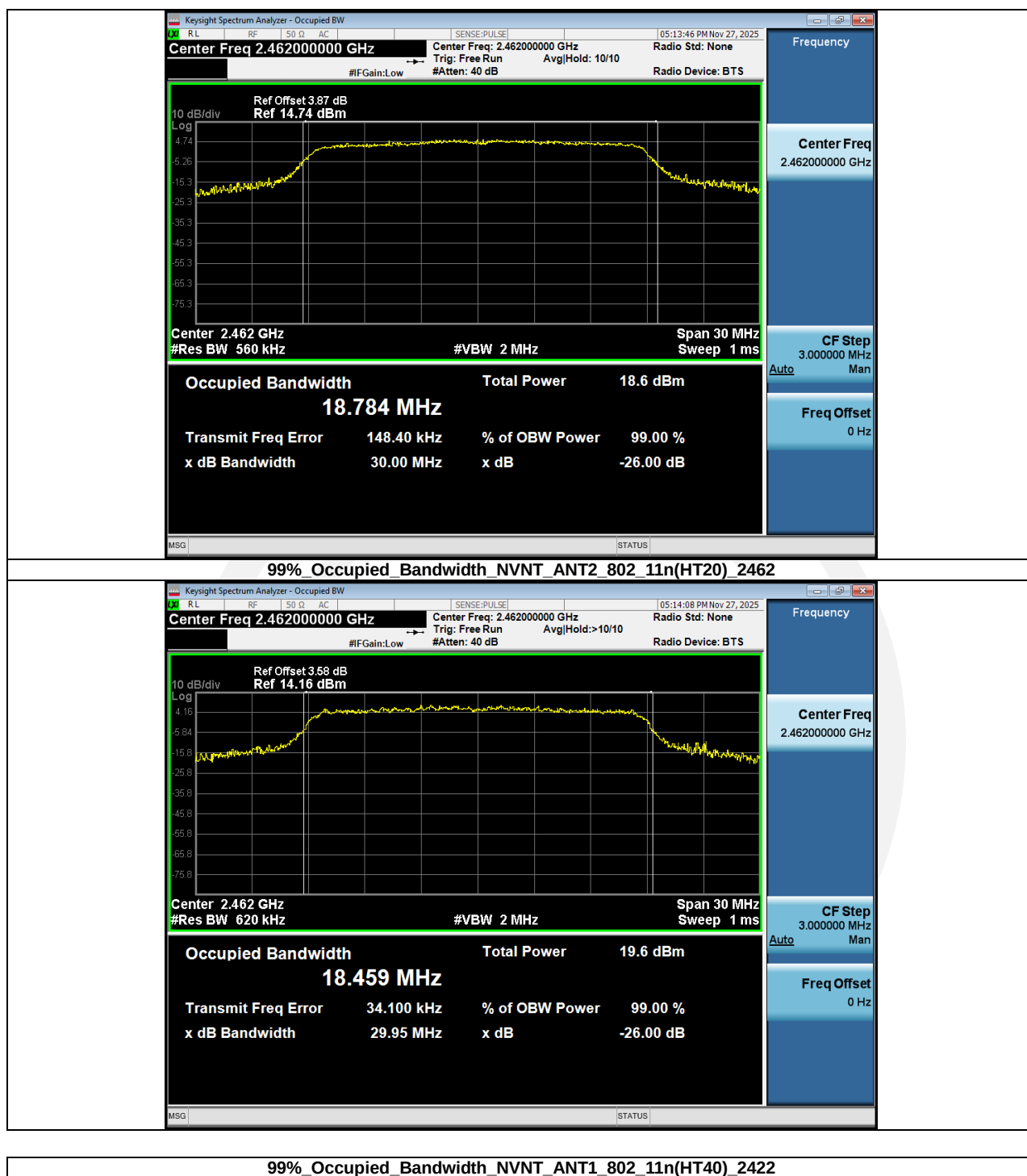


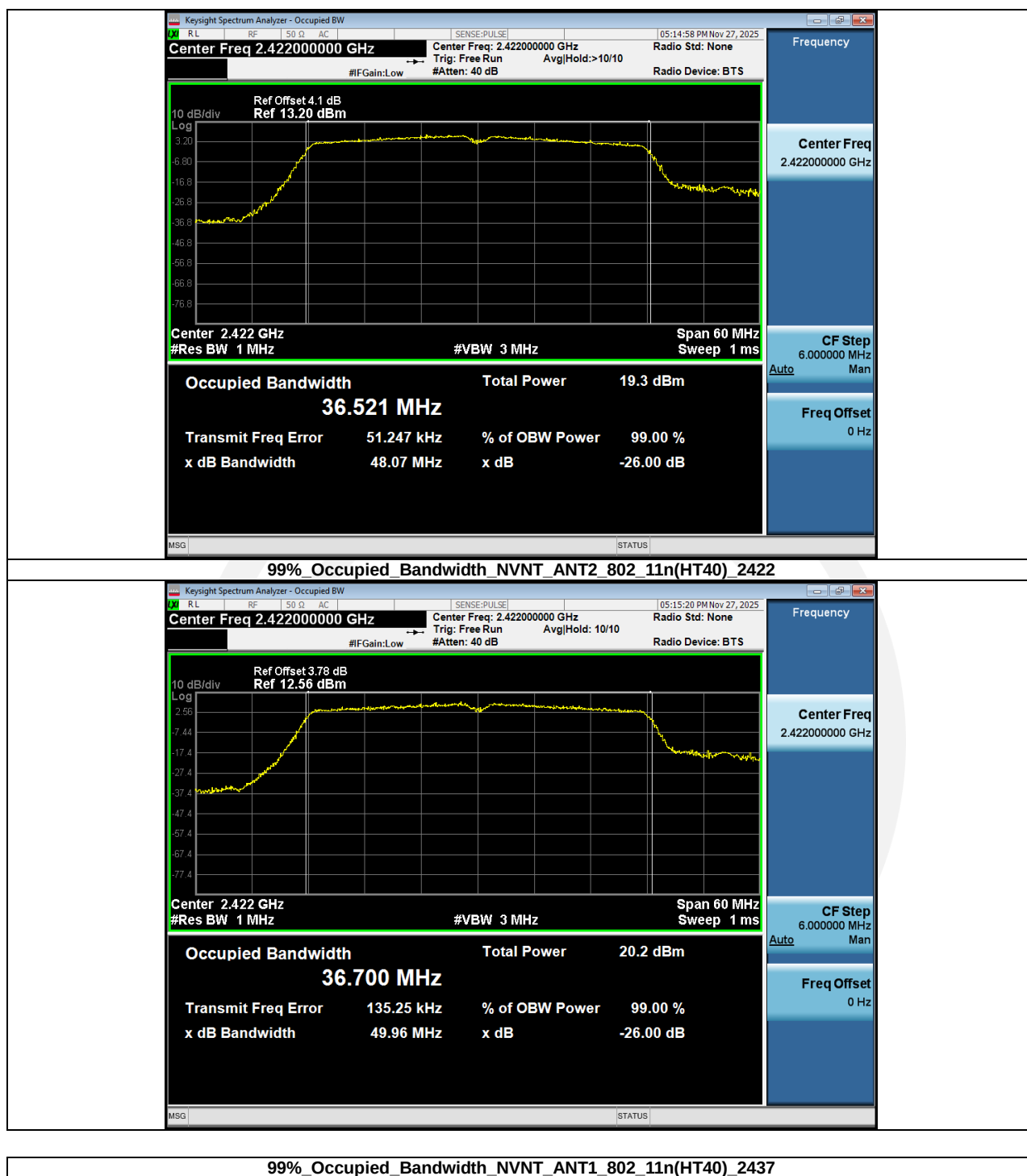


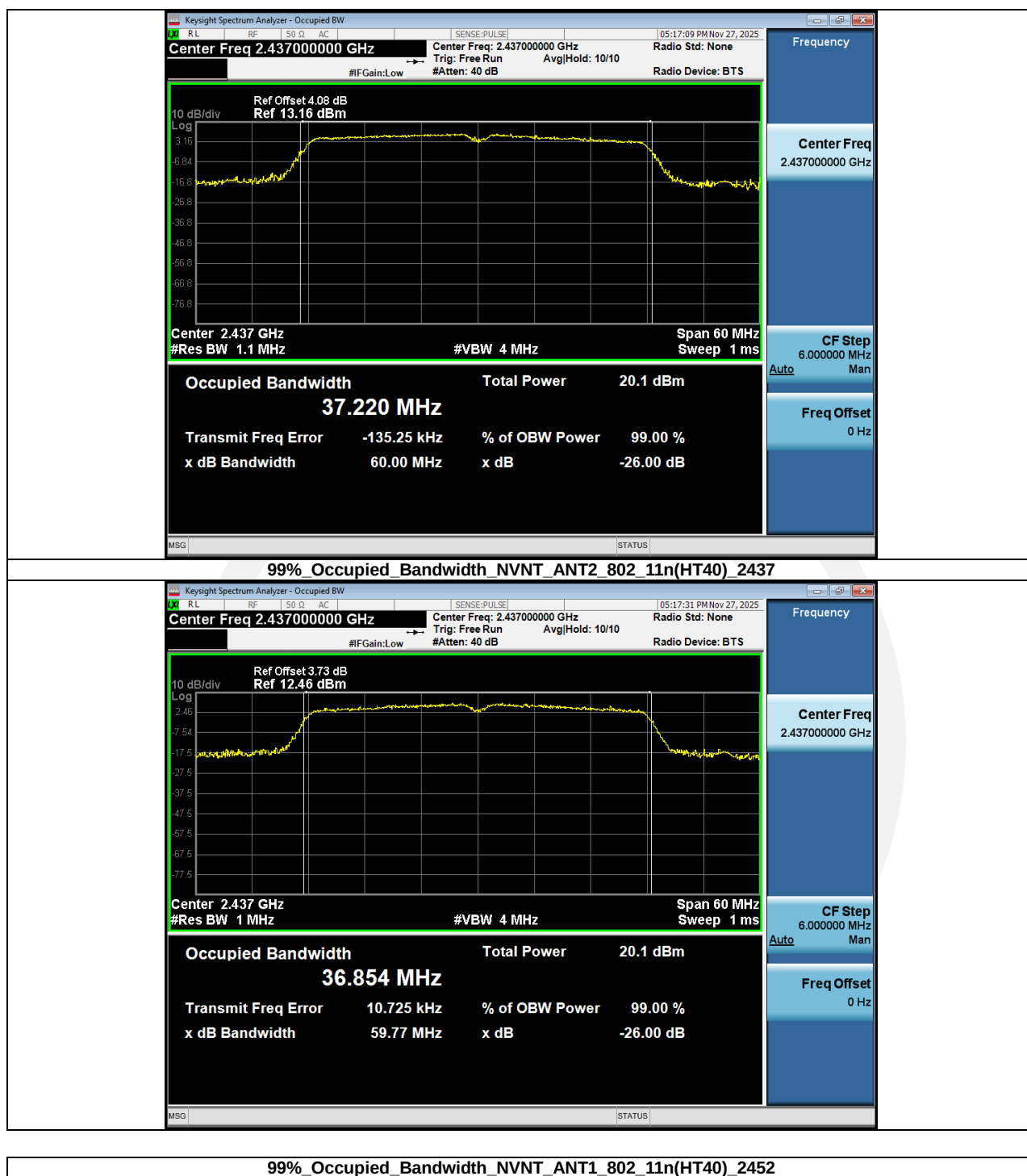


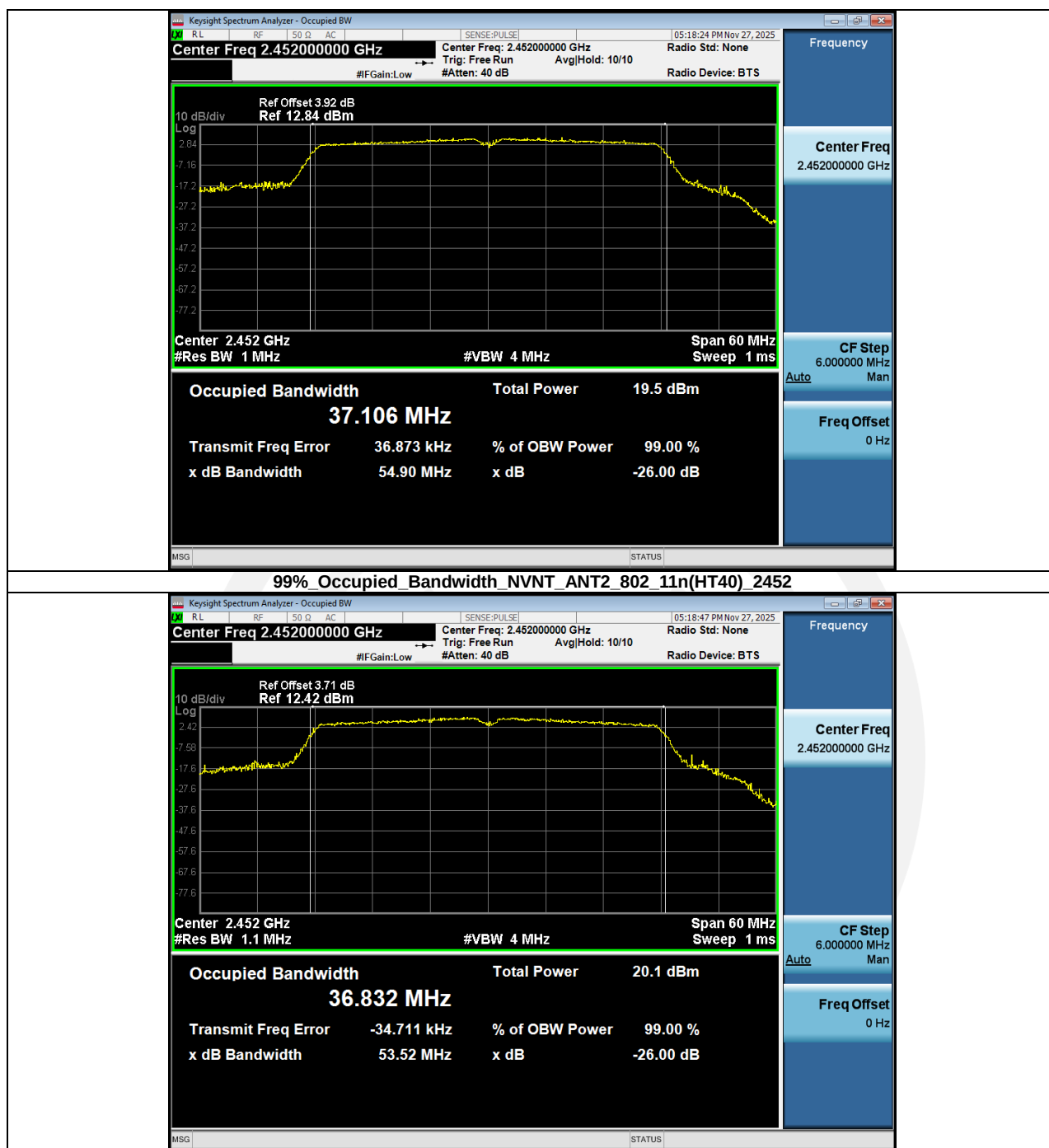




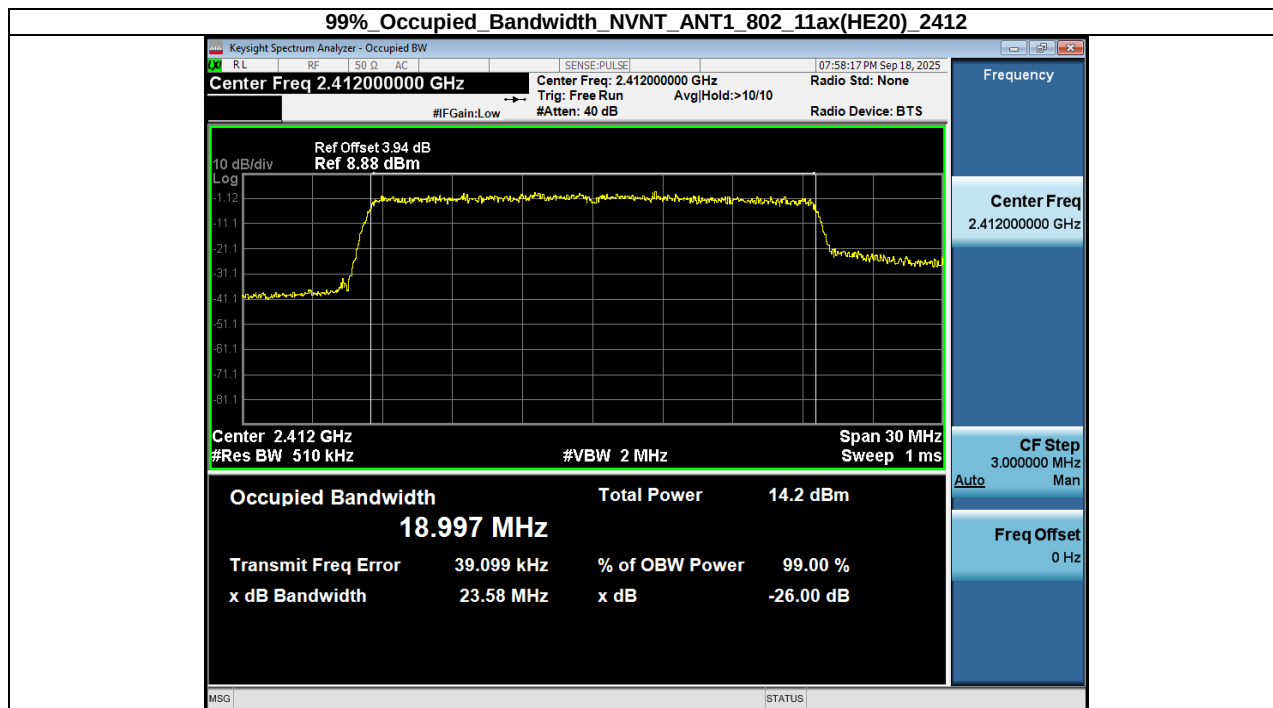




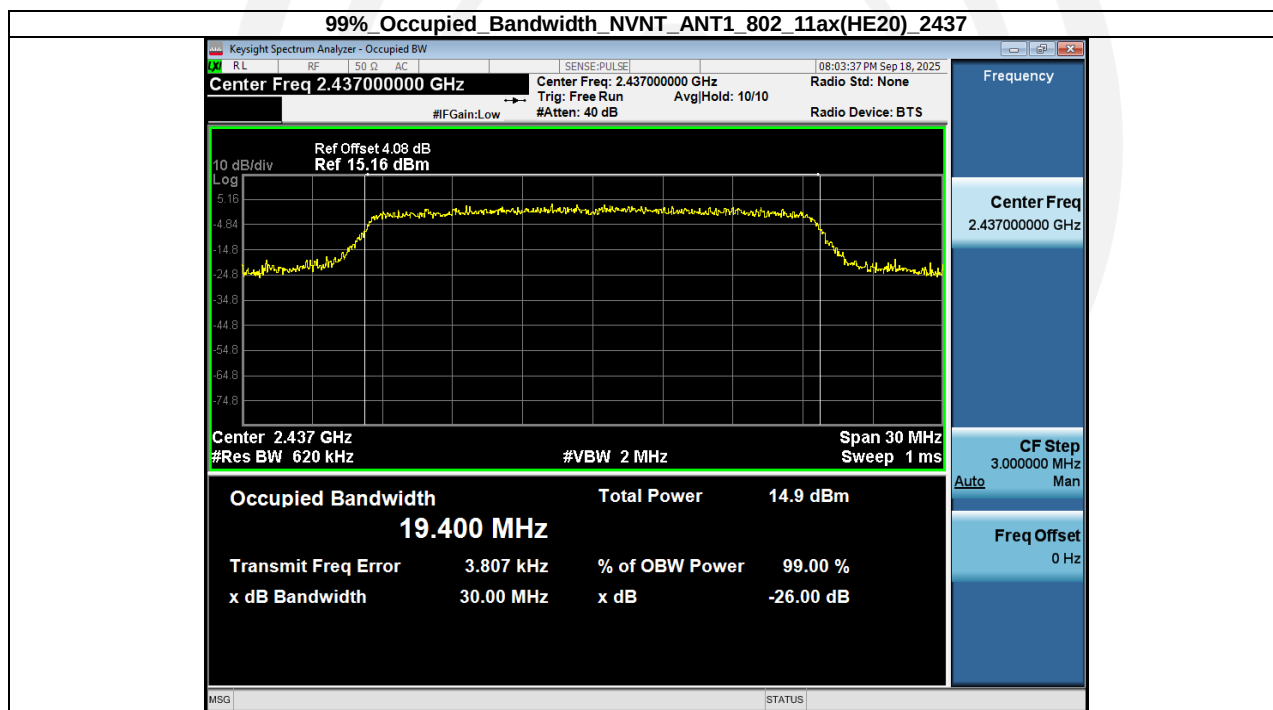




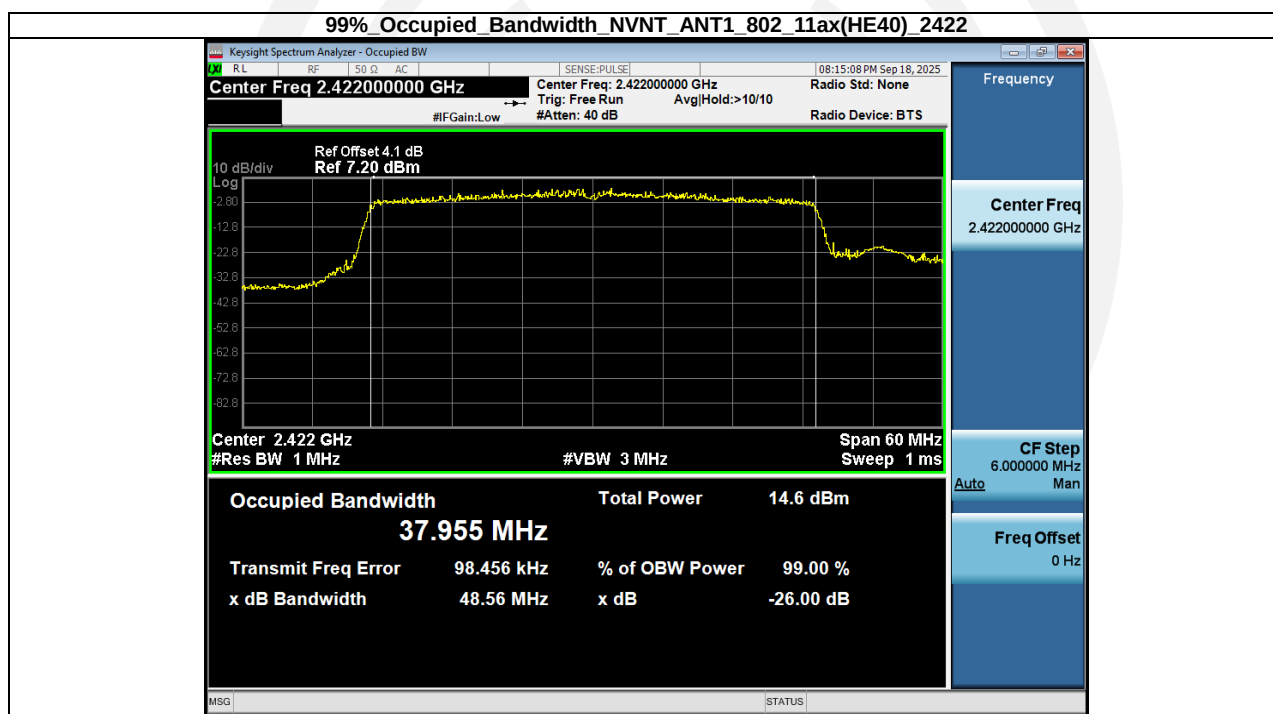
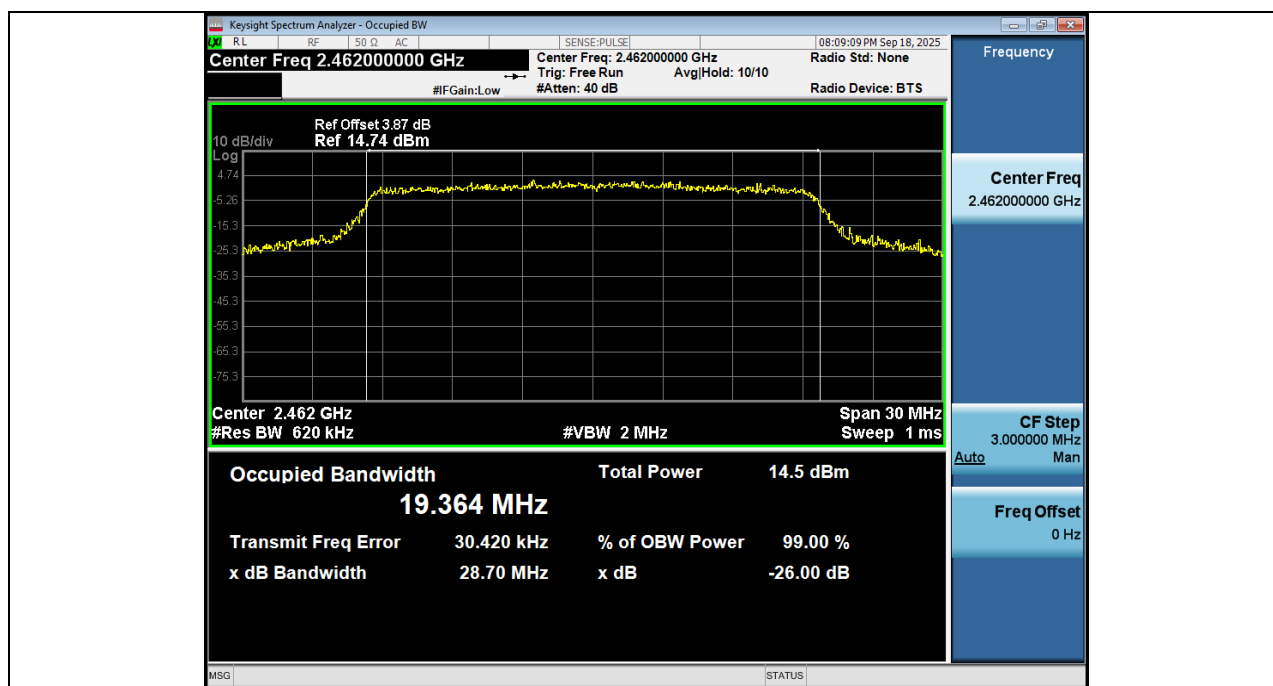
99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2412



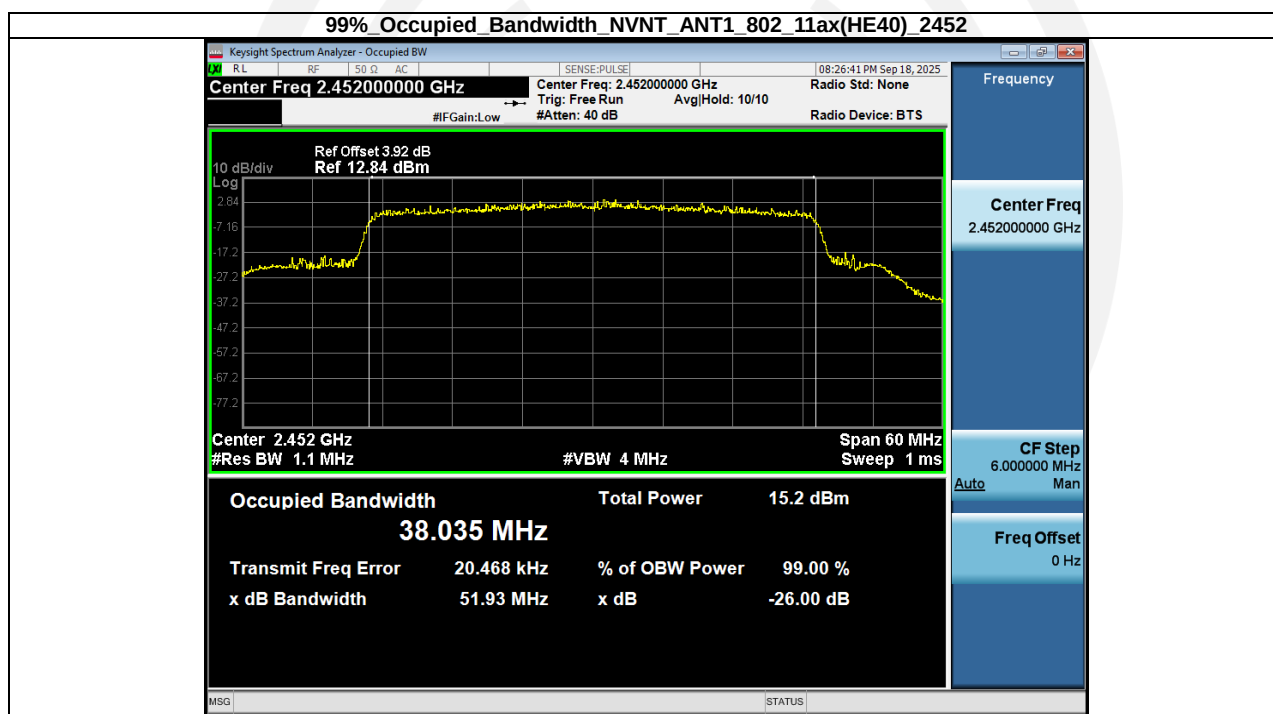
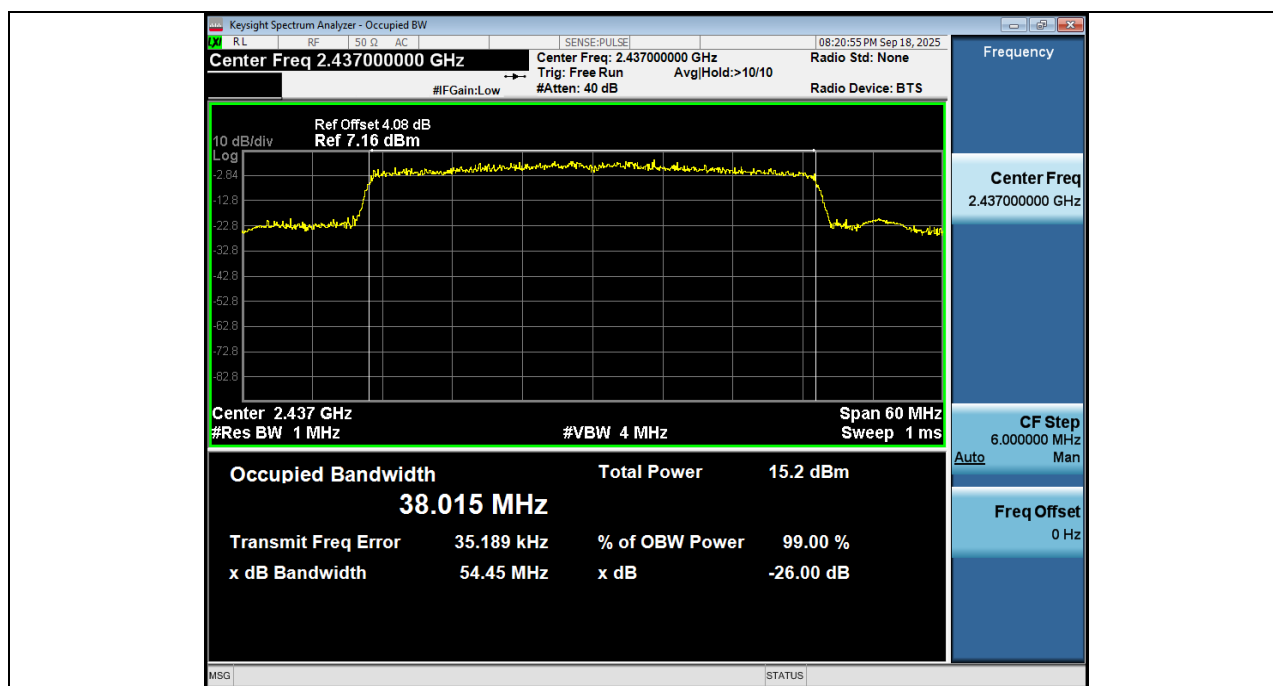
99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2462



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437



9. Band Edge Test

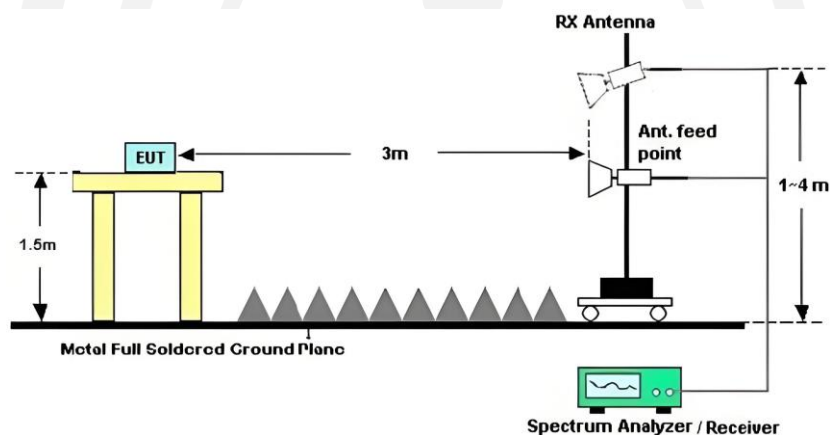
9.1. Test Limit

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241

9.2. Block Diagram of Test Setup



9.3. Test Procedure

ANSI C63.10-2020 section 6.10.5.2

All restriction band and non- restriction band have been tested, only worse case is reported.

Details see the KDB558074 D01 Meas Guidance v05r02

1. Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission
2. Check the spurious emissions out of band.
3. RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 10Hz, RMS detector for AV value.

9.4. Test Results

Test Date : 2025.07.24					Temperature : 26℃			
Test Engineer : Jensen Wang					Humidity : 54%			
Test Results : PASS								
Antenna 1:								
Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11b TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.46	-20.45	38.01	74.00	-35.99	Peak
2	2390	H	--	-20.45	38.01	54.00	-15.99	Avg
3	2400	H	62.70	-20.41	42.29	74.00	-31.71	Peak
4	2400	H	--	-20.41	42.29	54.00	-11.71	Avg
1	2390	V	60.12	-20.45	39.67	74.00	-34.33	Peak
2	2390	V	--	-20.45	39.67	54.00	-14.33	Avg
3	2400	V	62.65	-20.41	42.24	74.00	-31.76	Peak
4	2400	V	--	-20.41	42.24	54.00	-11.76	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11b TX 2462MHz								
1	2483.5	H	61.97	-20.15	41.82	74.00	-32.18	Peak
2	2483.5	H	--	-20.15	41.82	54.00	-12.18	Avg
1	2483.5	V	63.87	-20.15	43.72	74.00	-30.28	Peak
2	2483.5	V	--	-20.15	43.72	54.00	-10.28	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11g TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.19	-20.45	37.74	74.00	-36.26	Peak
2	2390	H	--	-20.45	37.74	54.00	-16.26	Avg
3	2400	H	61.37	-20.41	40.96	74.00	-33.04	Peak
4	2400	H	--	-20.41	40.96	54.00	-13.04	Avg
1	2390	V	58.49	-20.45	38.04	74.00	-35.96	Peak
2	2390	V	--	-20.45	38.04	54.00	-15.96	Avg
3	2400	V	61.44	-20.41	41.03	74.00	-32.97	Peak
4	2400	V	--	-20.41	41.03	54.00	-12.97	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11g TX 2462MHz								
1	2483.5	H	61.80	-20.15	41.65	74.00	-32.35	Peak
2	2483.5	H	--	-20.15	41.65	54.00	-12.35	Avg
1	2483.5	V	64.34	-20.15	44.19	74.00	-29.81	Peak
2	2483.5	V	--	-20.15	44.19	54.00	-9.81	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.90	-20.45	40.45	74.00	-33.55	Peak
2	2390	H	--	-20.45	40.45	54.00	-13.55	Avg
3	2400	H	62.73	-20.41	42.32	74.00	-31.68	Peak
4	2400	H	--	-20.41	42.32	54.00	-11.68	Avg
1	2390	V	58.84	-20.45	38.39	74.00	-35.61	Peak
2	2390	V	--	-20.45	38.39	54.00	-15.61	Avg
3	2400	V	62.41	-20.41	42.00	74.00	-32.00	Peak
4	2400	V	--	-20.41	42.00	54.00	-12.00	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT20 TX 2462MHz								
1	2483.5	H	61.95	-20.15	41.80	74.00	-32.20	Peak
2	2483.5	H	--	-20.15	41.80	54.00	-12.20	Avg
1	2483.5	V	65.62	-20.15	45.47	74.00	-28.53	Peak
2	2483.5	V	--	-20.15	45.47	54.00	-8.53	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.58	-20.45	39.13	74.00	-34.87	Peak
2	2390	H	--	-20.45	39.13	54.00	-14.87	Avg
3	2400	H	63.77	-20.41	43.36	74.00	-30.64	Peak
4	2400	H	--	-20.41	43.36	54.00	-10.64	Avg
1	2390	V	58.93	-20.45	38.48	74.00	-35.52	Peak
2	2390	V	--	-20.45	38.48	54.00	-15.52	Avg
3	2400	V	61.80	-20.41	41.39	74.00	-32.61	Peak
4	2400	V	--	-20.41	41.39	54.00	-12.61	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT40 TX 2452MHz								
1	2483.5	H	61.84	-20.15	41.69	74.00	-32.31	Peak
2	2483.5	H	--	-20.15	41.69	54.00	-12.31	Avg
1	2483.5	V	64.28	-20.15	44.13	74.00	-29.87	Peak
2	2483.5	V	--	-20.15	44.13	54.00	-9.87	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.12	-20.45	38.67	74.00	-35.33	Peak
2	2390	H	--	-20.45	38.67	54.00	-15.33	Avg
3	2400	H	62.77	-20.41	42.36	74.00	-31.64	Peak
4	2400	H	--	-20.41	42.36	54.00	-11.64	Avg
1	2390	V	60.48	-20.45	40.03	74.00	-33.97	Peak
2	2390	V	--	-20.45	40.03	54.00	-13.97	Avg
3	2400	V	64.16	-20.41	43.75	74.00	-30.25	Peak
4	2400	V	--	-20.41	43.75	54.00	-10.25	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2462MHz								
1	2483.5	H	61.43	-20.15	41.28	74.00	-32.72	Peak
2	2483.5	H	--	-20.15	41.28	54.00	-12.72	Avg
1	2483.5	V	65.79	-20.15	45.64	74.00	-28.36	Peak
2	2483.5	V	--	-20.15	45.64	54.00	-8.36	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.95	-20.45	38.50	74.00	-35.50	Peak
2	2390	H	--	-20.45	38.50	54.00	-15.50	Avg
3	2400	H	63.67	-20.41	43.26	74.00	-30.74	Peak
4	2400	H	--	-20.41	43.26	54.00	-10.74	Avg
1	2390	V	60.95	-20.45	40.50	74.00	-33.50	Peak
2	2390	V	--	-20.45	40.50	54.00	-13.50	Avg
3	2400	V	61.51	-20.41	41.10	74.00	-32.90	Peak
4	2400	V	--	-20.41	41.10	54.00	-12.90	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2452MHz								
1	2483.5	H	61.96	-20.15	41.81	74.00	-32.19	Peak
2	2483.5	H	--	-20.15	41.81	54.00	-12.19	Avg
1	2483.5	V	66.29	-20.15	46.14	74.00	-27.86	Peak
2	2483.5	V	--	-20.15	46.14	54.00	-7.86	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Antenna 2:								
Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11b TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.95	-20.45	39.50	74.00	-34.50	Peak
2	2390	H	--	-20.45	39.50	54.00	-14.50	Avg
3	2400	H	60.14	-20.41	39.73	74.00	-34.27	Peak
4	2400	H	--	-20.41	39.73	54.00	-14.27	Avg
1	2390	V	61.46	-20.45	41.01	74.00	-32.99	Peak
2	2390	V	--	-20.45	41.01	54.00	-12.99	Avg
3	2400	V	63.80	-20.41	43.39	74.00	-30.61	Peak
4	2400	V	--	-20.41	43.39	54.00	-10.61	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11b TX 2462MHz								
1	2483.5	H	61.43	-20.15	41.28	74.00	-32.72	Peak
2	2483.5	H	--	-20.15	41.28	54.00	-12.72	Avg
1	2483.5	V	63.05	-20.15	42.90	74.00	-31.10	Peak
2	2483.5	V	--	-20.15	42.90	54.00	-11.10	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11g TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.61	-20.45	38.16	74.00	-35.84	Peak
2	2390	H	--	-20.45	38.16	54.00	-15.84	Avg
3	2400	H	60.59	-20.41	40.18	74.00	-33.82	Peak
4	2400	H	--	-20.41	40.18	54.00	-13.82	Avg
1	2390	V	59.49	-20.45	39.04	74.00	-34.96	Peak
2	2390	V	--	-20.45	39.04	54.00	-14.96	Avg
3	2400	V	61.49	-20.41	41.08	74.00	-32.92	Peak
4	2400	V	--	-20.41	41.08	54.00	-12.92	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11g TX 2462MHz								
1	2483.5	H	61.76	-20.15	41.61	74.00	-32.39	Peak
2	2483.5	H	--	-20.15	41.61	54.00	-12.39	Avg
1	2483.5	V	65.25	-20.15	45.10	74.00	-28.90	Peak
2	2483.5	V	--	-20.15	45.10	54.00	-8.90	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.86	-20.45	38.41	74.00	-35.59	Peak
2	2390	H	--	-20.45	38.41	54.00	-15.59	Avg
3	2400	H	60.21	-20.41	39.80	74.00	-34.20	Peak
4	2400	H	--	-20.41	39.80	54.00	-14.20	Avg
1	2390	V	59.85	-20.45	39.40	74.00	-34.60	Peak
2	2390	V	--	-20.45	39.40	54.00	-14.60	Avg
3	2400	V	64.73	-20.41	44.32	74.00	-29.68	Peak
4	2400	V	--	-20.41	44.32	54.00	-9.68	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT20 TX 2462MHz								
1	2483.5	H	61.23	-20.15	41.08	74.00	-32.92	Peak
2	2483.5	H	--	-20.15	41.08	54.00	-12.92	Avg
1	2483.5	V	66.72	-20.15	46.57	74.00	-27.43	Peak
2	2483.5	V	--	-20.15	46.57	54.00	-7.43	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.33	-20.45	37.88	74.00	-36.12	Peak
2	2390	H	--	-20.45	37.88	54.00	-16.12	Avg
3	2400	H	60.53	-20.41	40.12	74.00	-33.88	Peak
4	2400	H	--	-20.41	40.12	54.00	-13.88	Avg
1	2390	V	58.35	-20.45	37.90	74.00	-36.10	Peak
2	2390	V	--	-20.45	37.90	54.00	-16.10	Avg
3	2400	V	64.93	-20.41	44.52	74.00	-29.48	Peak
4	2400	V	--	-20.41	44.52	54.00	-9.48	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT40 TX 2452MHz								
1	2483.5	H	61.08	-20.15	40.93	74.00	-33.07	Peak
2	2483.5	H	--	-20.15	40.93	54.00	-13.07	Avg
1	2483.5	V	65.02	-20.15	44.87	74.00	-29.13	Peak
2	2483.5	V	--	-20.15	44.87	54.00	-9.13	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.18	-20.45	38.73	74.00	-35.27	Peak
2	2390	H	--	-20.45	38.73	54.00	-15.27	Avg
3	2400	H	60.80	-20.41	40.39	74.00	-33.61	Peak
4	2400	H	--	-20.41	40.39	54.00	-13.61	Avg
1	2390	V	59.21	-20.45	38.76	74.00	-35.24	Peak
2	2390	V	--	-20.45	38.76	54.00	-15.24	Avg
3	2400	V	64.24	-20.41	43.83	74.00	-30.17	Peak
4	2400	V	--	-20.41	43.83	54.00	-10.17	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2462MHz								
1	2483.5	H	61.53	-20.15	41.38	74.00	-32.62	Peak
2	2483.5	H	--	-20.15	41.38	54.00	-12.62	Avg
1	2483.5	V	64.82	-20.15	44.67	74.00	-29.33	Peak
2	2483.5	V	--	-20.15	44.67	54.00	-9.33	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.49	-20.45	39.04	74.00	-34.96	Peak
2	2390	H	--	-20.45	39.04	54.00	-14.96	Avg
3	2400	H	63.21	-20.41	42.80	74.00	-31.20	Peak
4	2400	H	--	-20.41	42.80	54.00	-11.20	Avg
1	2390	V	61.97	-20.45	41.52	74.00	-32.48	Peak
2	2390	V	--	-20.45	41.52	54.00	-12.48	Avg
3	2400	V	64.09	-20.41	43.68	74.00	-30.32	Peak
4	2400	V	--	-20.41	43.68	54.00	-10.32	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2452MHz								
1	2483.5	H	62.66	-20.15	42.51	74.00	-31.49	Peak
2	2483.5	H	--	-20.15	42.51	54.00	-11.49	Avg
1	2483.5	V	66.82	-20.15	46.67	74.00	-27.33	Peak
2	2483.5	V	--	-20.15	46.67	54.00	-7.33	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

MIMO Mode:

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	62.99	-20.45	42.54	74.00	-31.46	Peak
2	2390	H	--	-20.45	42.54	54.00	-11.46	Avg
3	2400	H	64.99	-20.41	44.58	74.00	-29.42	Peak
4	2400	H	--	-20.41	44.58	54.00	-9.42	Avg
1	2390	V	64.61	-20.45	44.16	74.00	-29.84	Peak
2	2390	V	--	-20.45	44.16	54.00	-9.84	Avg
3	2400	V	64.23	-20.41	43.82	74.00	-30.18	Peak
4	2400	V	--	-20.41	43.82	54.00	-10.18	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT20 TX 2462MHz								
1	2483.5	H	63.98	-20.15	43.83	74.00	-30.17	Peak
2	2483.5	H	--	-20.15	43.83	54.00	-10.17	Avg
1	2483.5	V	67.48	-20.15	47.33	74.00	-26.67	Peak
2	2483.5	V	--	-20.15	47.33	54.00	-6.67	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	59.89	-20.45	39.44	74.00	-34.56	Peak
2	2390	H	--	-20.45	39.44	54.00	-14.56	Avg
3	2400	H	65.19	-20.41	44.78	74.00	-29.22	Peak
4	2400	H	--	-20.41	44.78	54.00	-9.22	Avg
1	2390	V	64.53	-20.45	44.08	74.00	-29.92	Peak
2	2390	V	--	-20.45	44.08	54.00	-9.92	Avg
3	2400	V	64.14	-20.41	43.73	74.00	-30.27	Peak
4	2400	V	--	-20.41	43.73	54.00	-10.27	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT40 TX 2452MHz								
1	2483.5	H	63.46	-20.15	43.31	74.00	-30.69	Peak
2	2483.5	H	--	-20.15	43.31	54.00	-10.69	Avg
1	2483.5	V	67.60	-20.15	47.45	74.00	-26.55	Peak
2	2483.5	V	--	-20.15	47.45	54.00	-6.55	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.73	-20.45	40.28	74.00	-33.72	Peak
2	2390	H	--	-20.45	40.28	54.00	-13.72	Avg
3	2400	H	65.72	-20.41	45.31	74.00	-28.69	Peak
4	2400	H	--	-20.41	45.31	54.00	-8.69	Avg
1	2390	V	62.93	-20.45	42.48	74.00	-31.52	Peak
2	2390	V	--	-20.45	42.48	54.00	-11.52	Avg
3	2400	V	66.00	-20.41	45.59	74.00	-28.41	Peak
4	2400	V	--	-20.41	45.59	54.00	-8.41	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW20 TX 2462MHz								
1	2483.5	H	62.93	-20.15	42.78	74.00	-31.22	Peak
2	2483.5	H	--	-20.15	42.78	54.00	-11.22	Avg
1	2483.5	V	65.93	-20.15	45.78	74.00	-28.22	Peak
2	2483.5	V	--	-20.15	45.78	54.00	-8.22	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.50	-20.45	40.05	74.00	-33.95	Peak
2	2390	H	--	-20.45	40.05	54.00	-13.95	Avg
3	2400	H	65.69	-20.41	45.28	74.00	-28.72	Peak
4	2400	H	--	-20.41	45.28	54.00	-8.72	Avg
1	2390	V	63.64	-20.45	43.19	74.00	-30.81	Peak
2	2390	V	--	-20.45	43.19	54.00	-10.81	Avg
3	2400	V	64.59	-20.41	44.18	74.00	-29.82	Peak
4	2400	V	--	-20.41	44.18	54.00	-9.82	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11ax/HEW40 TX 2452MHz								
1	2483.5	H	62.30	-20.15	42.15	74.00	-31.85	Peak
2	2483.5	H	--	-20.15	42.15	54.00	-11.85	Avg
1	2483.5	V	68.64	-20.15	48.49	74.00	-25.51	Peak
2	2483.5	V	--	-20.15	48.49	54.00	-5.51	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

10. Antenna Requirement

10.1. Standard Requirement

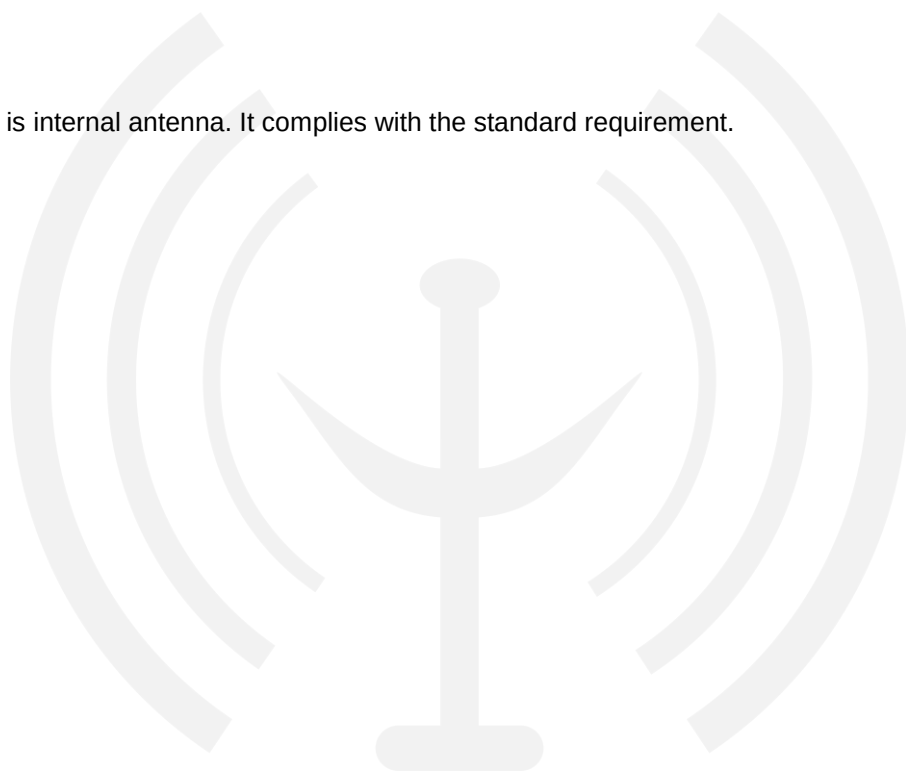
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2. Antenna Connected Construction

The antenna connector is unique antenna and no consideration of replacement. Please see EUT photo for details.

10.3. Results

The EUT antenna is internal antenna. It complies with the standard requirement.



11. Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

12. Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

