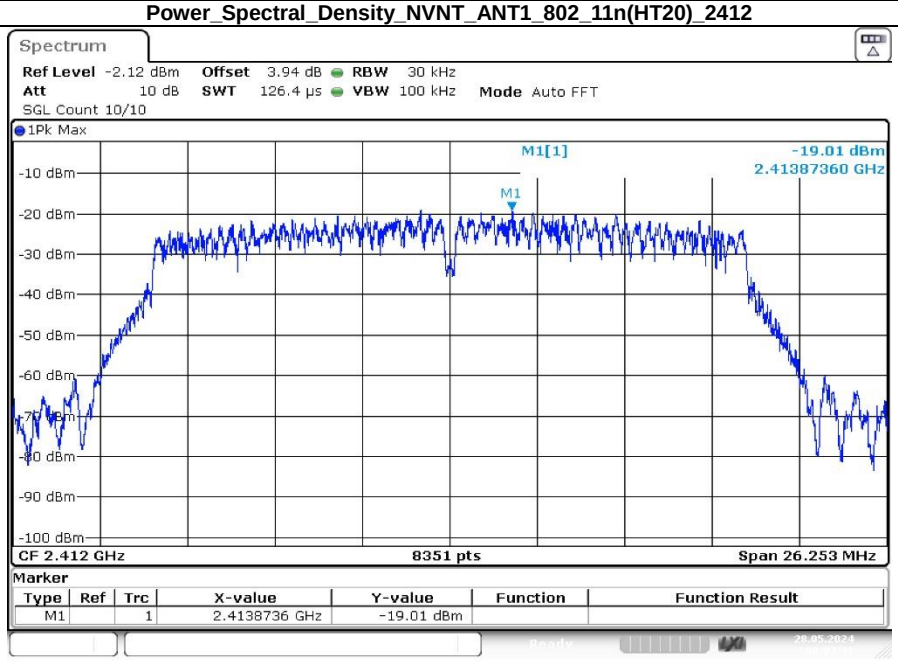
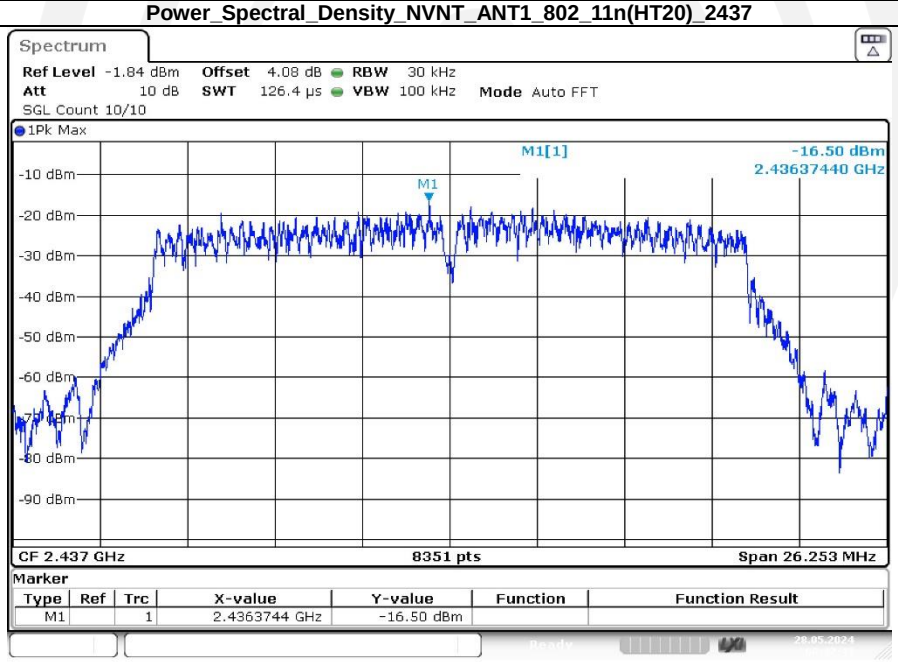
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Date: 28.MAY.2024 08:03:41

Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



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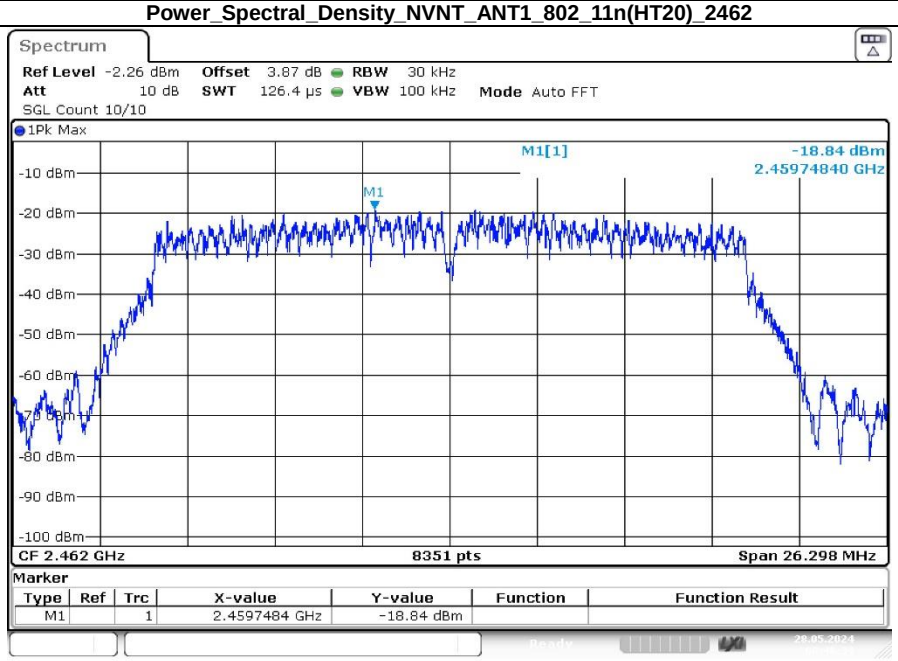
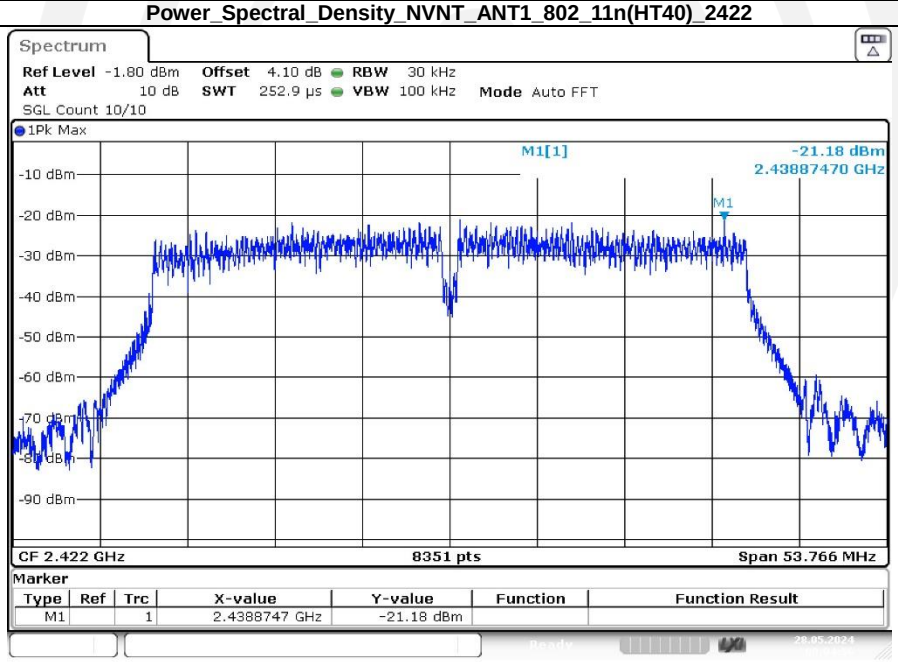
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



Date: 28.MAY.2024 08:46:33

Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



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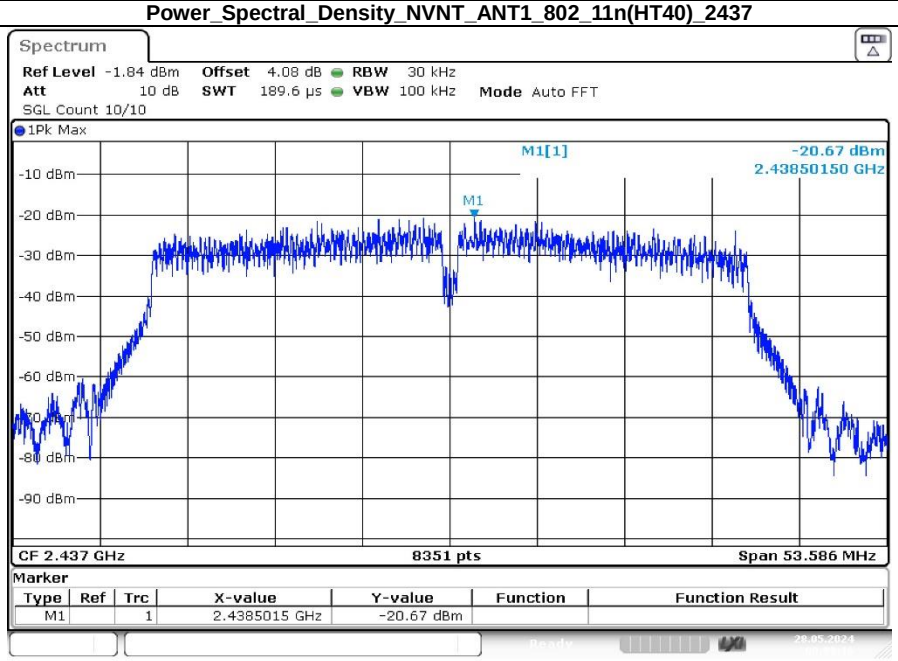

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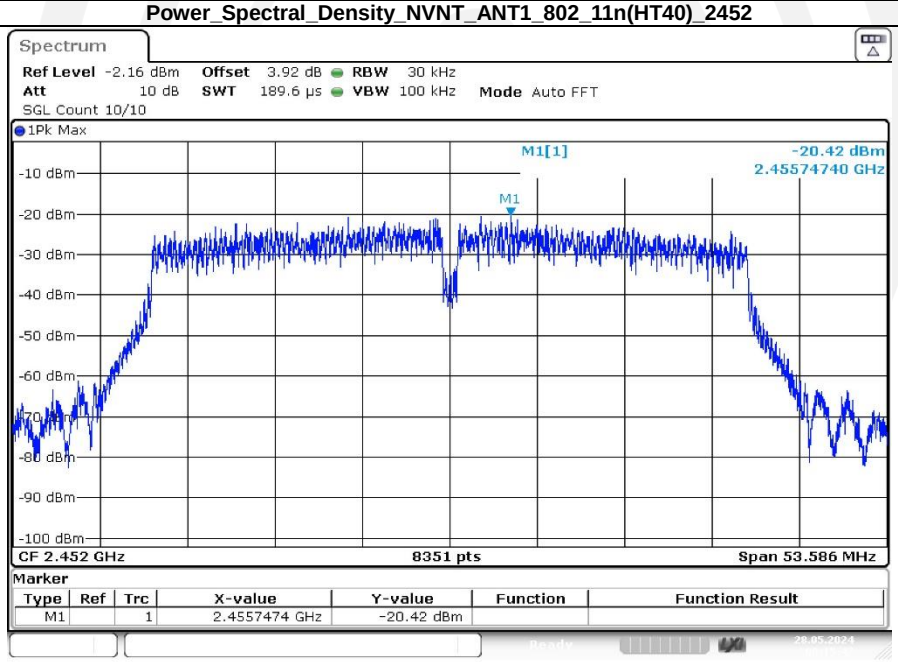

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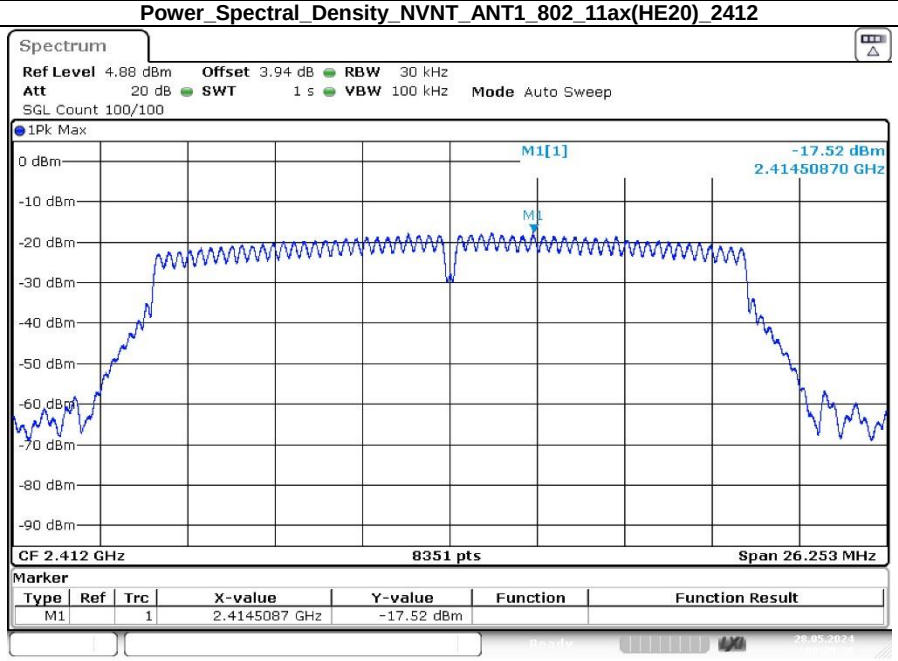
Power_Spectral_Density_NVNT_ANT1_802_11ax(HE20)_2412



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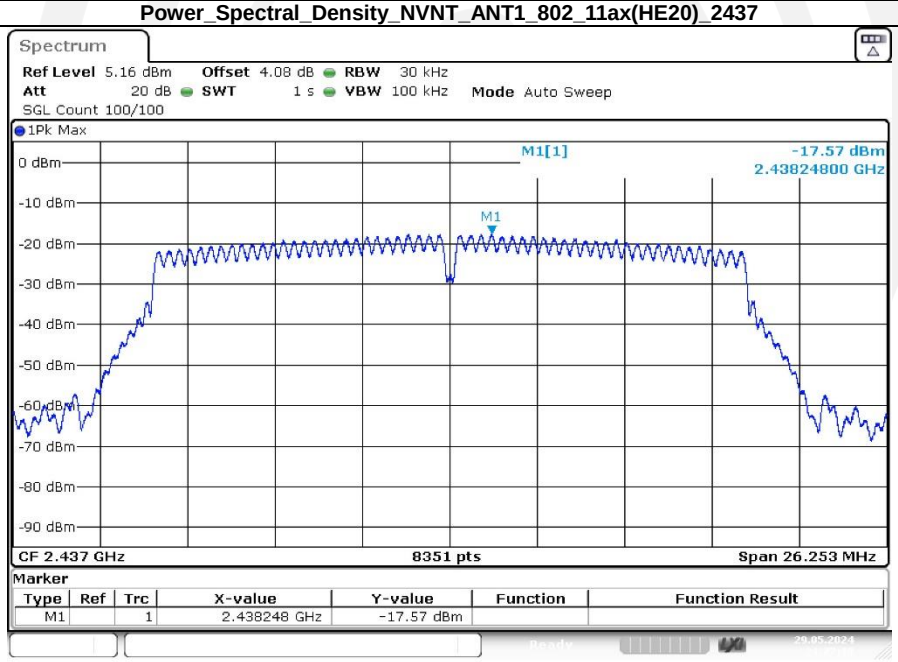

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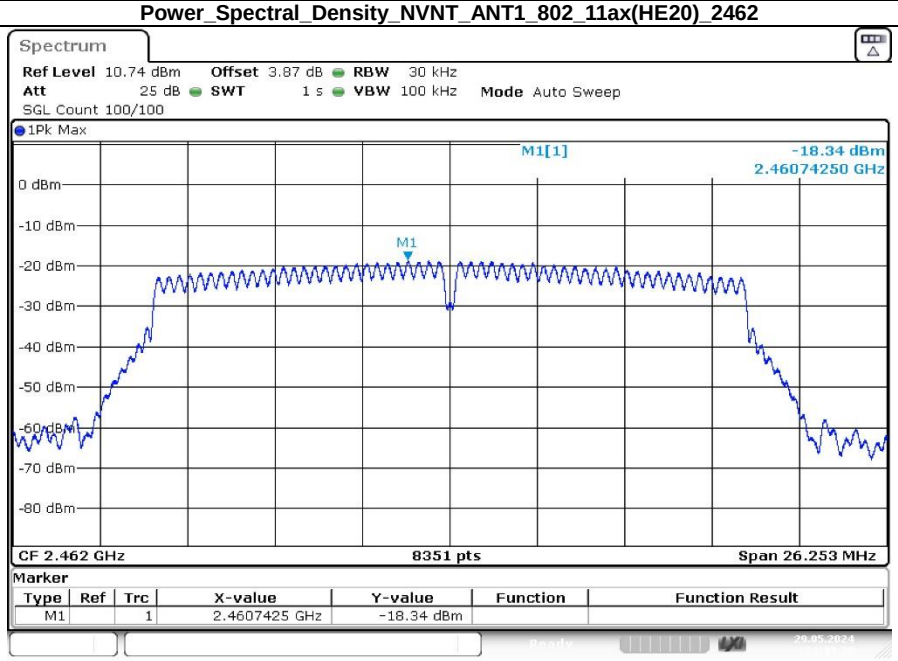

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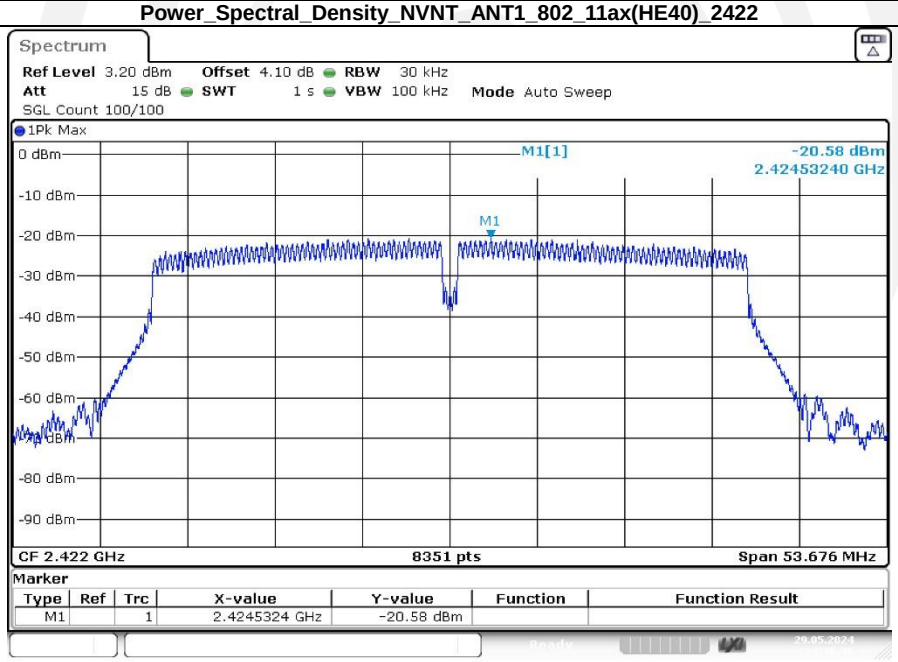
Power_Spectral_Density_NVNT_ANT1_802_11ax(HE40)_2422



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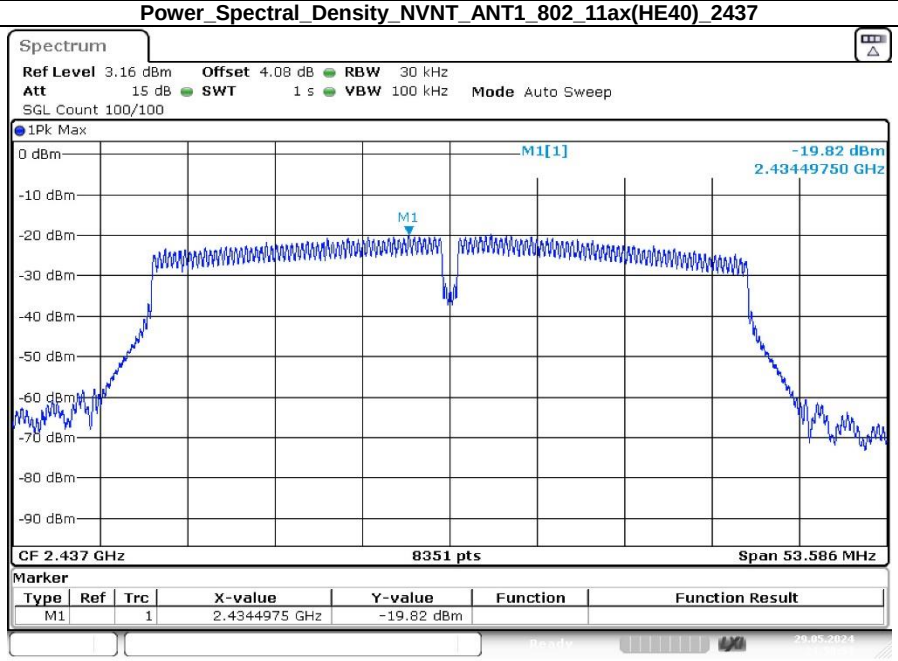

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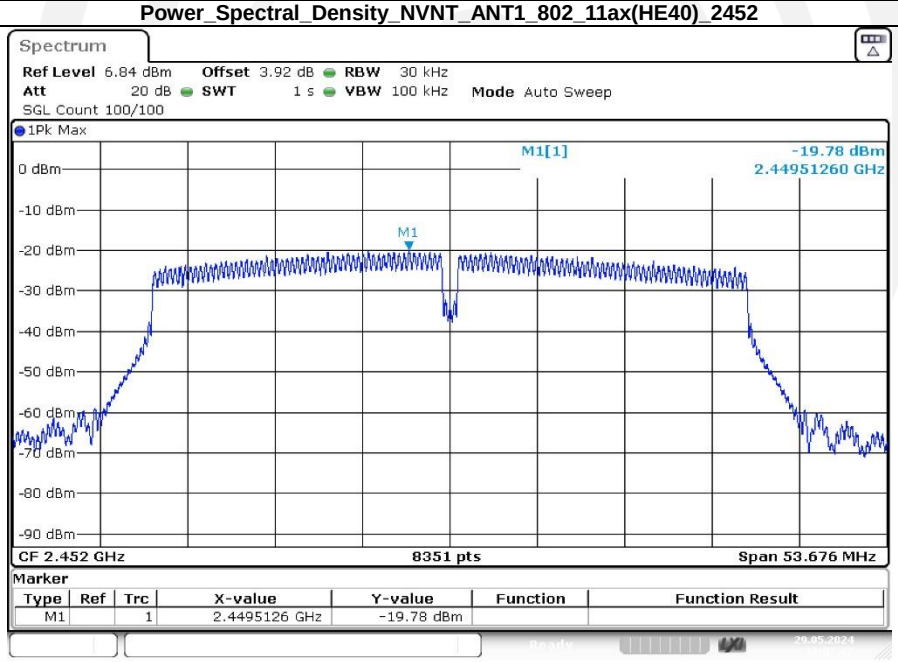

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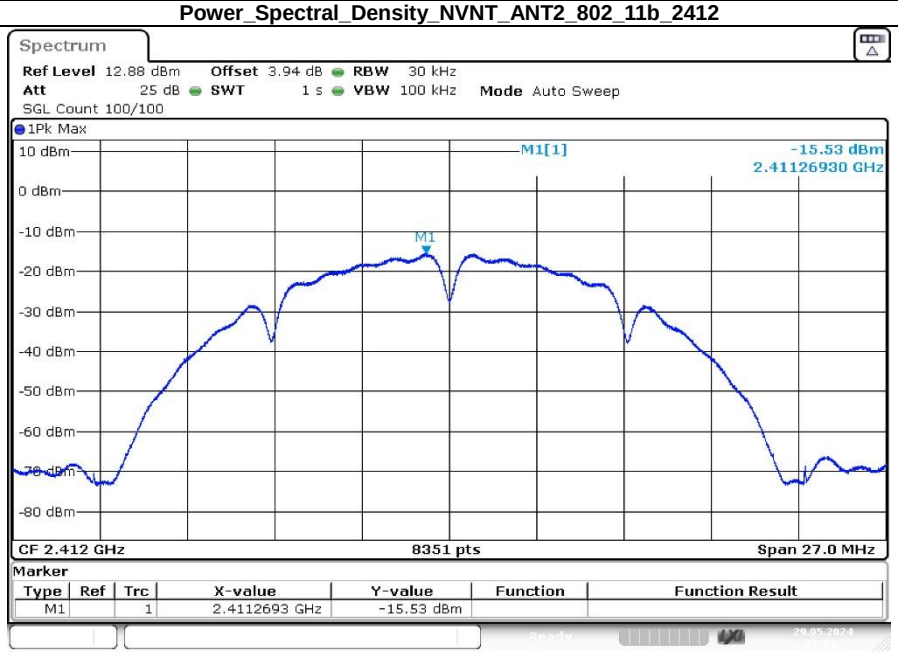
Power_Spectral_Density_NVNT_ANT2_802_11b_2412



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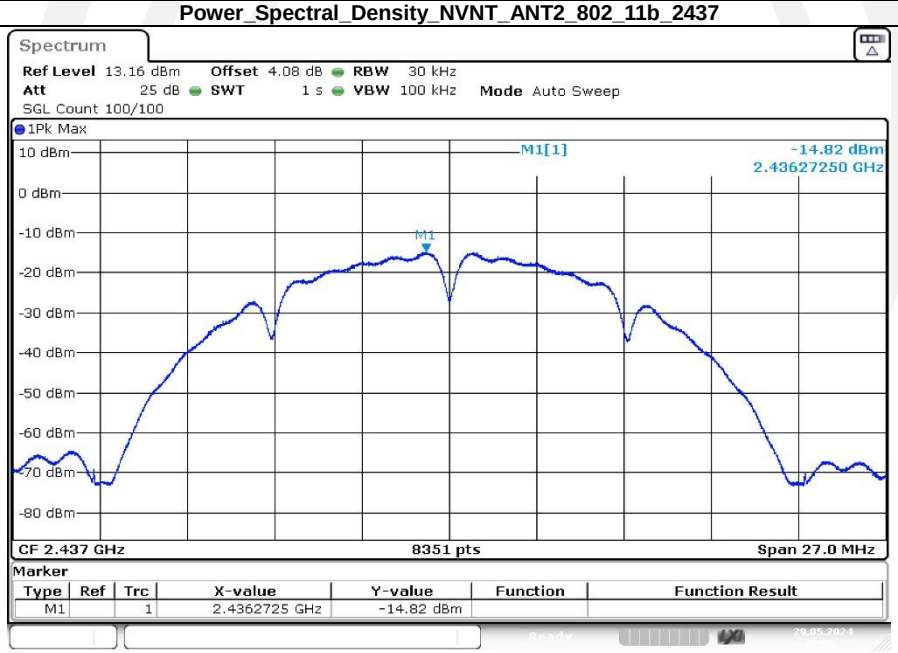

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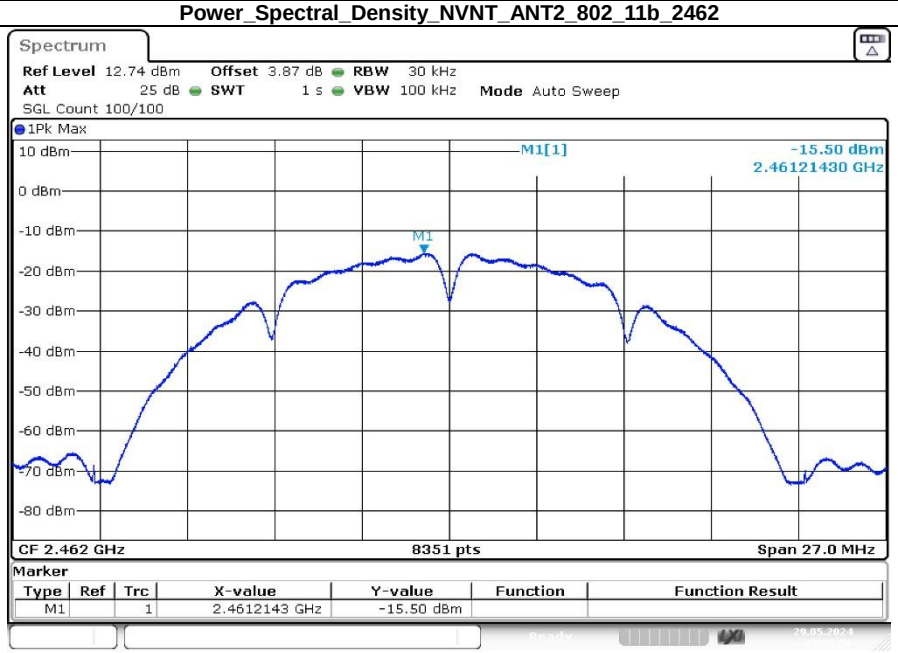
Power_Spectral_Density_NVNT_ANT2_802_11b_2462



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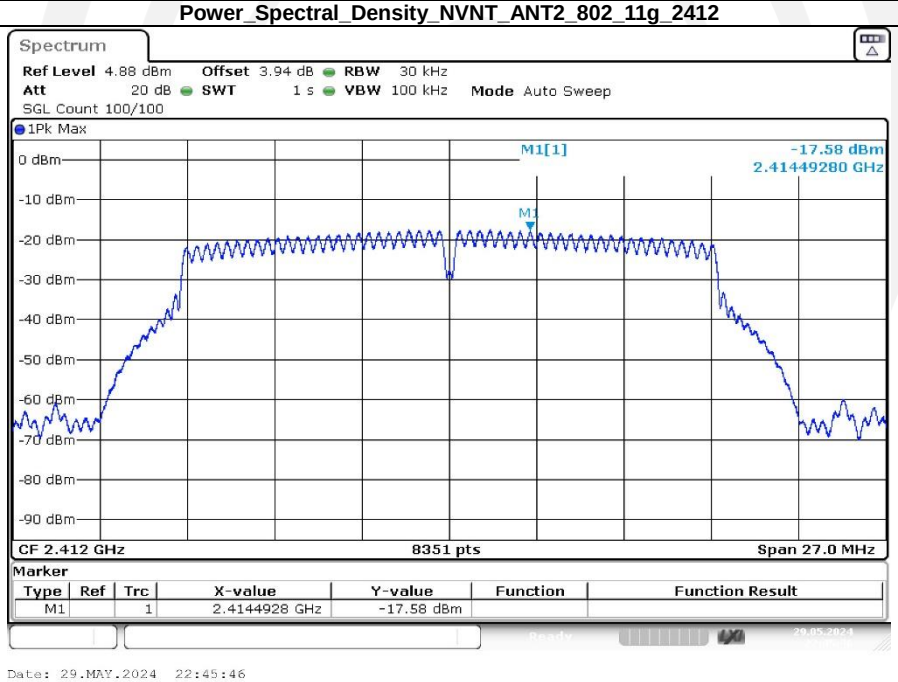

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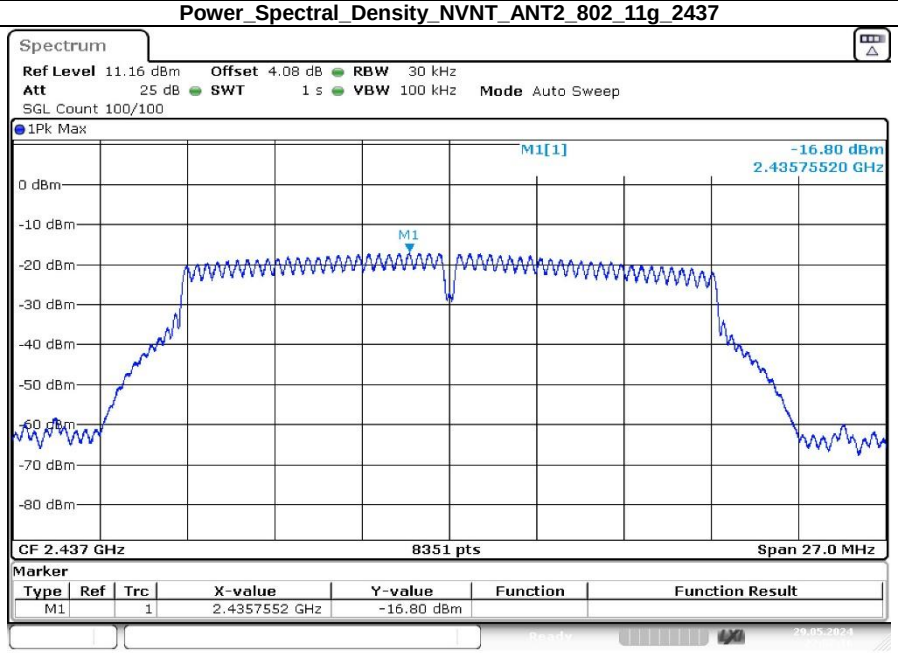

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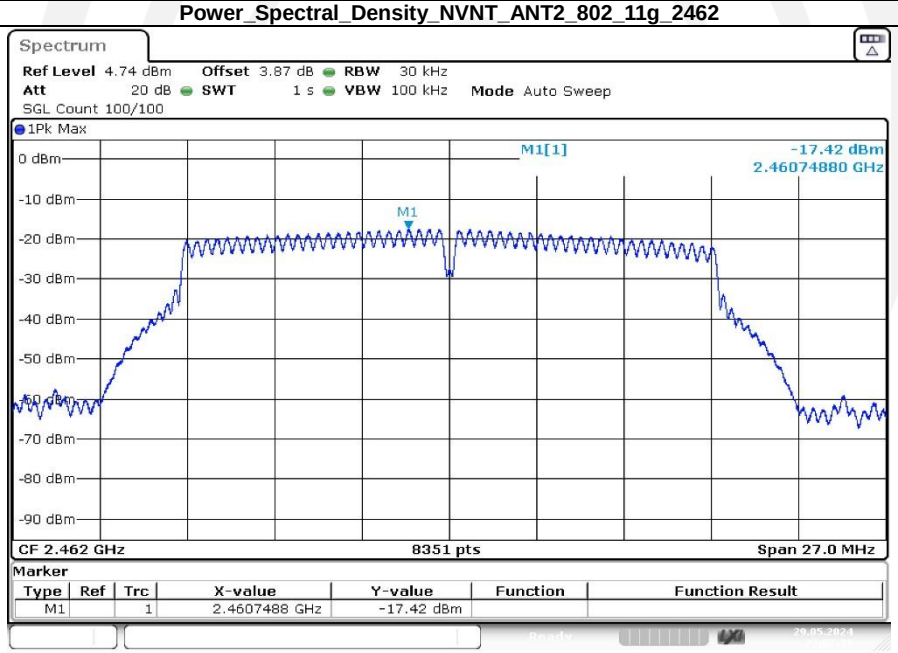
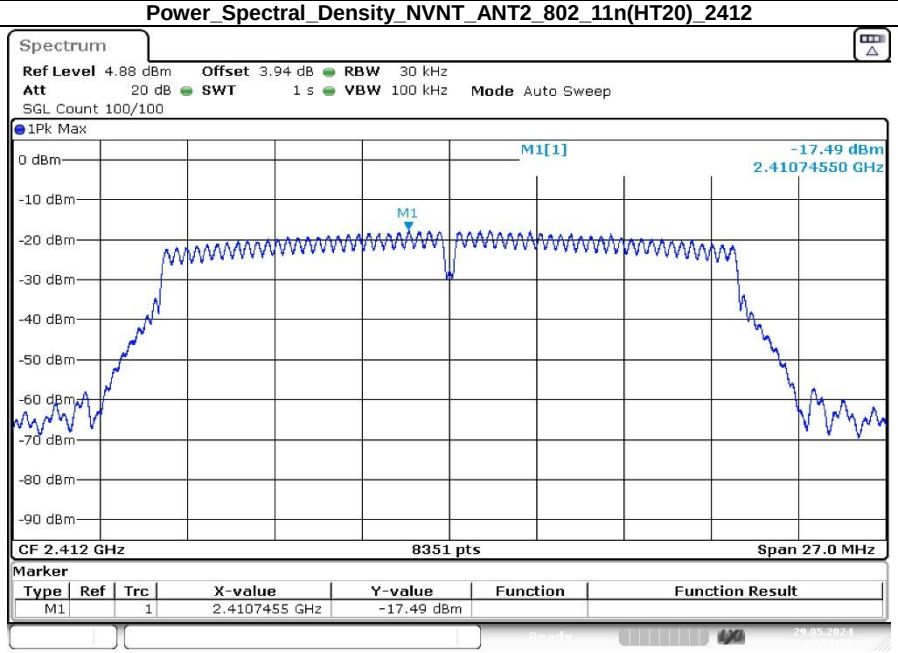


Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2412



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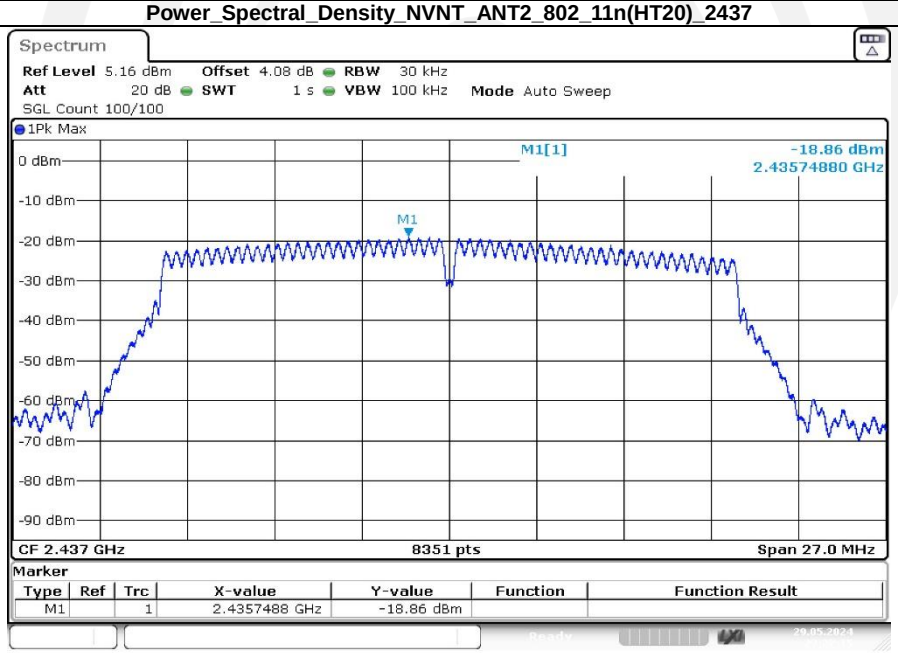

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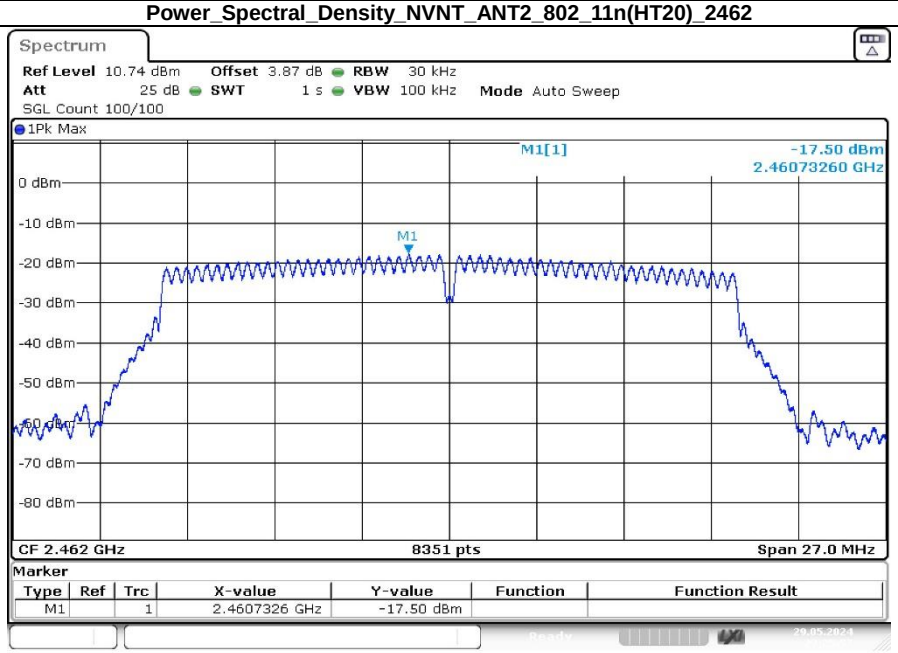
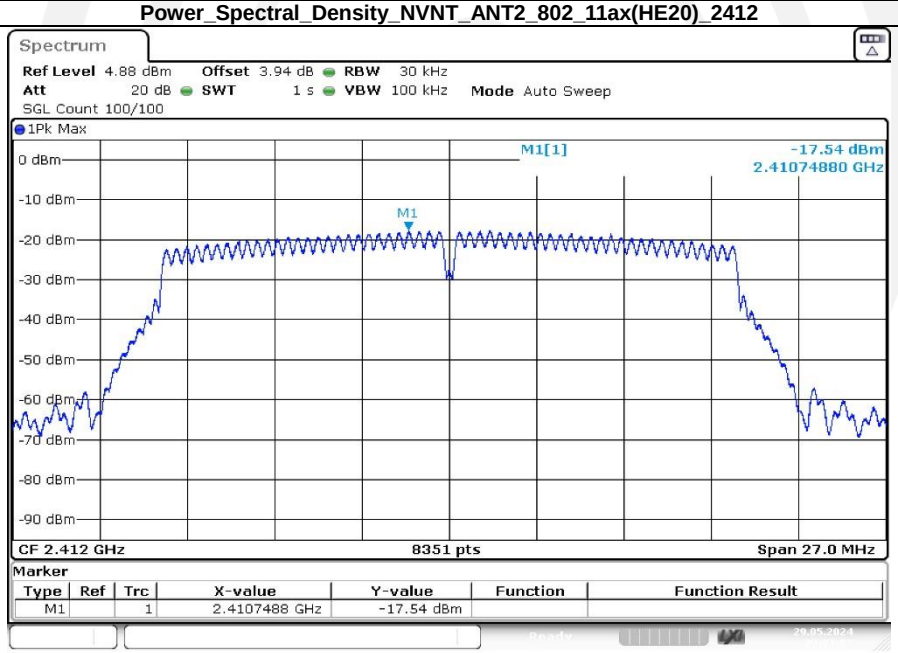


Power_Spectral_Density_NVNT_ANT2_802_11ax(HE20)_2412



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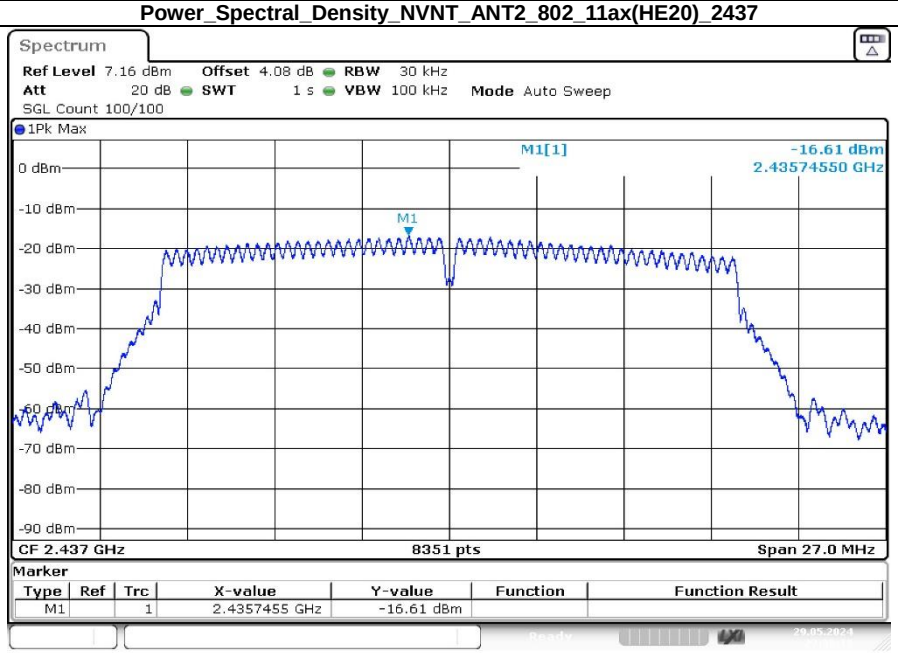
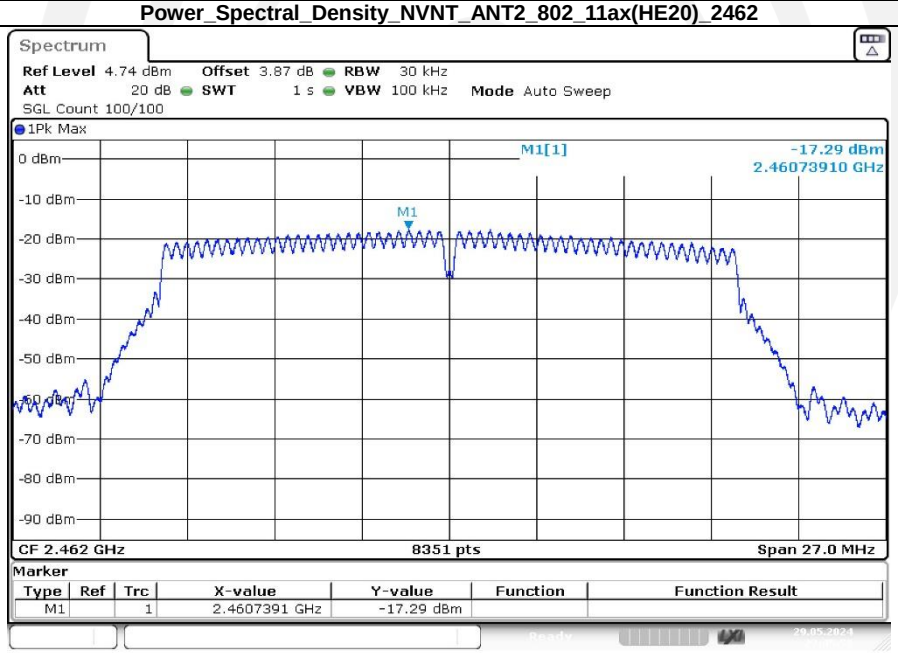
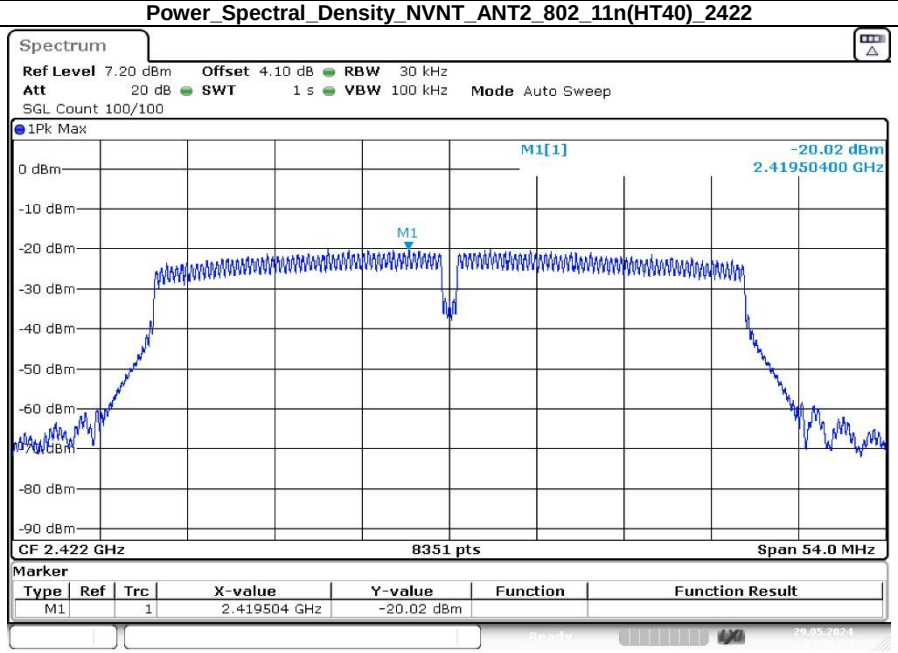


Power_Spectral_Density_NVNT_ANT2_802_11ax(HE20)_2462



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2422



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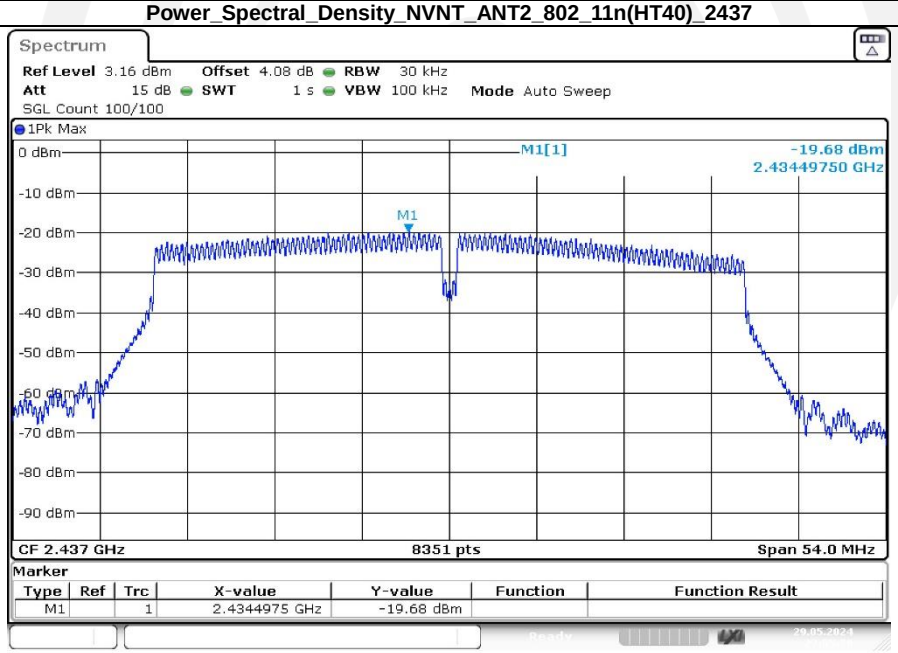

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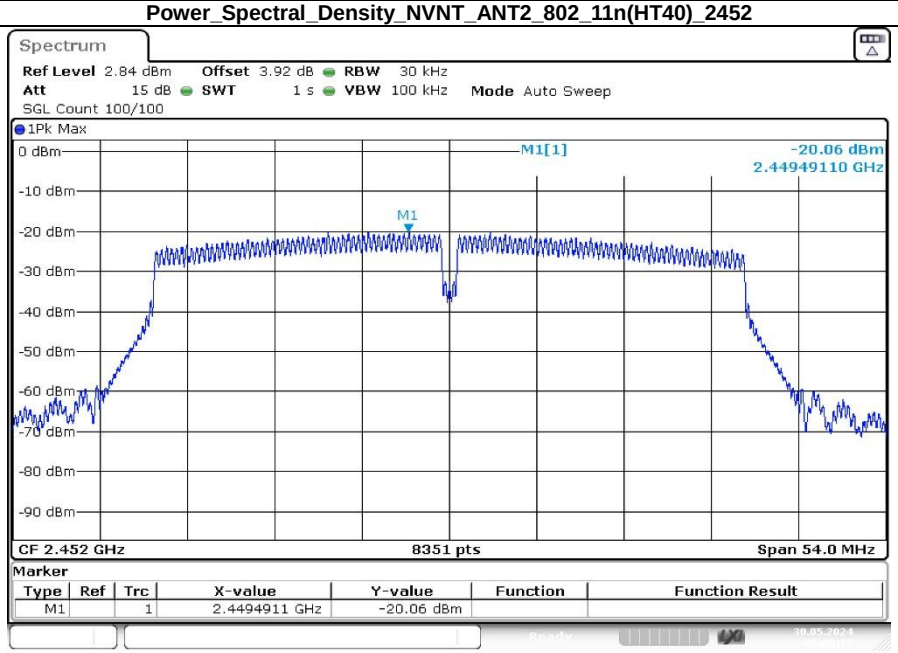

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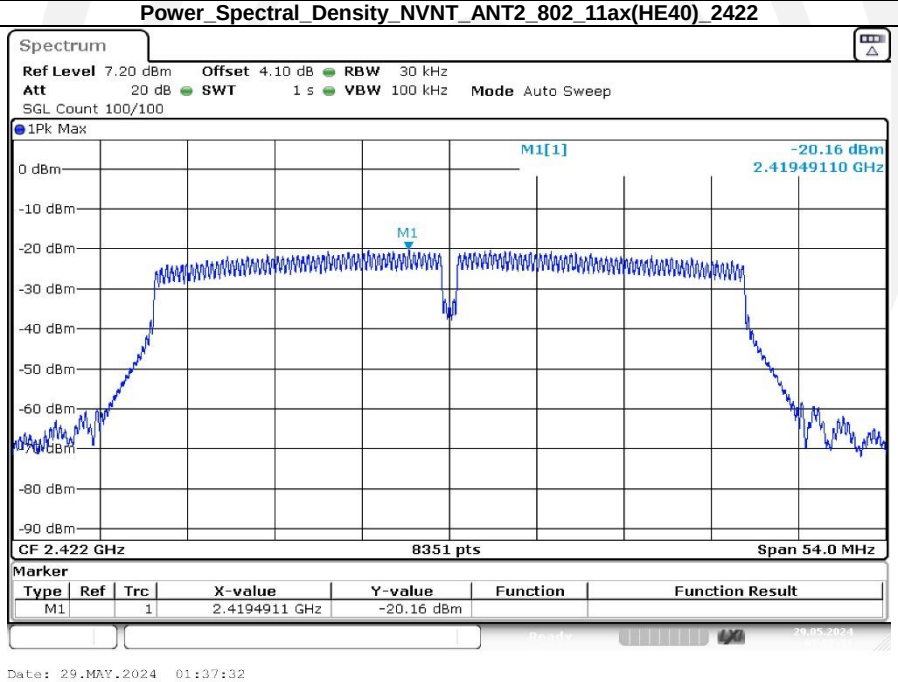
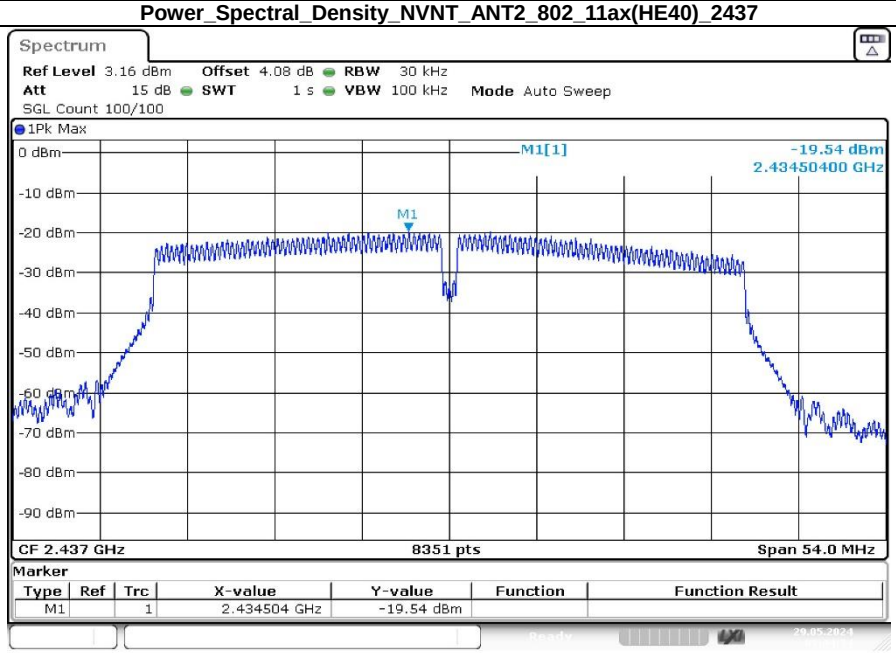


Power_Spectral_Density_NVNT_ANT2_802_11ax(HE40)_2437



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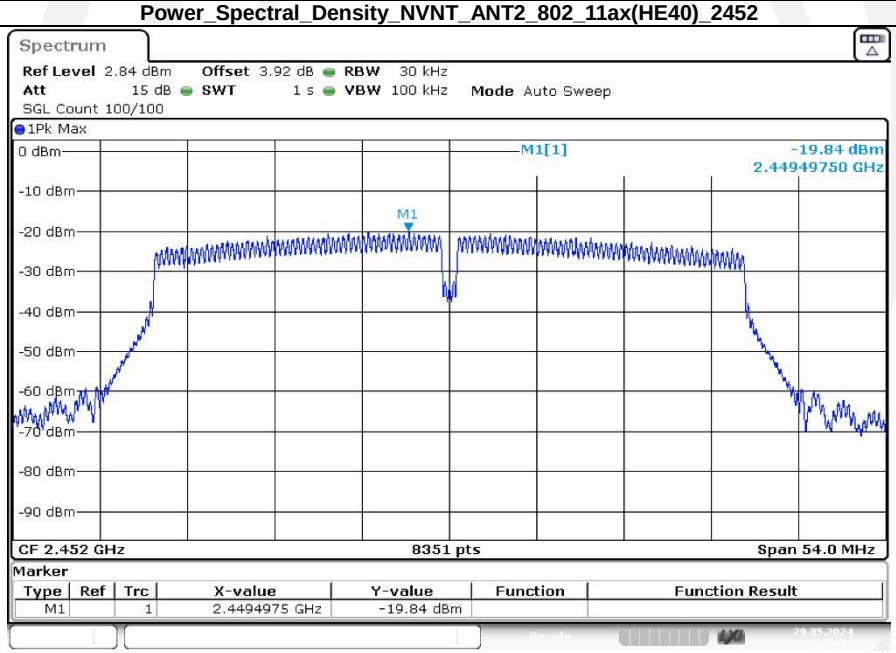
Power_Spectral_Density_NVNT_ANT2_802_11ax(HE40)_2452



Date: 29.MAY.2024 01:52:24

8. Bandwidth

8.1. Test limits

Please refer RSS-247 & FCC PART 15: 15.247
For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

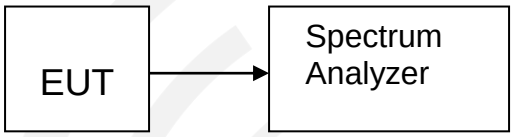
8.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

a) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

b) The test receiver set RBW = 100kHz, VBW≥3*RBW =300kHz,, Peak Detector, Sweep time set auto, detail see the test plot.

8.3. Test Setup

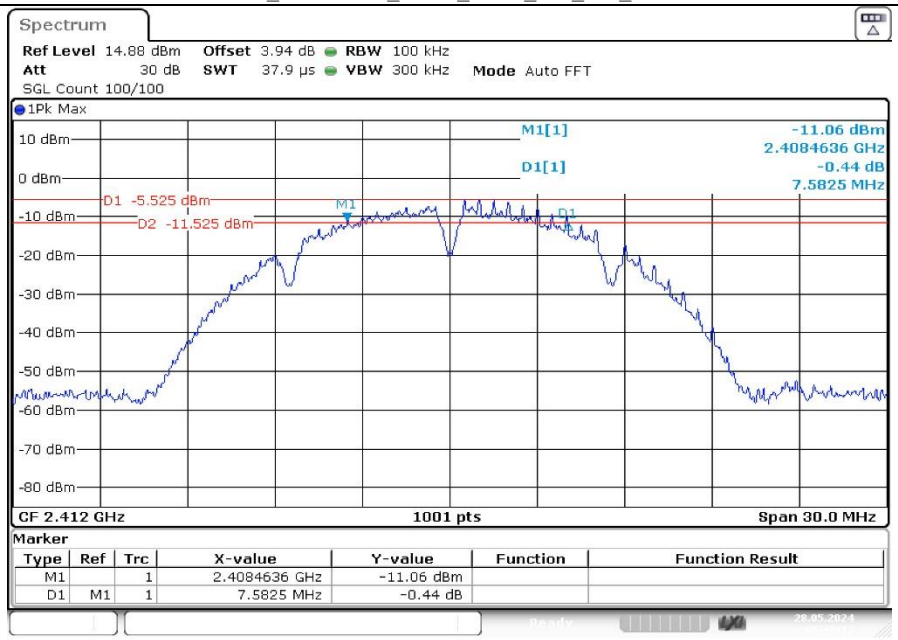


8.4. Test Results

Note: Both antennas have been tested and only the worst data of antenna 1 is shown.

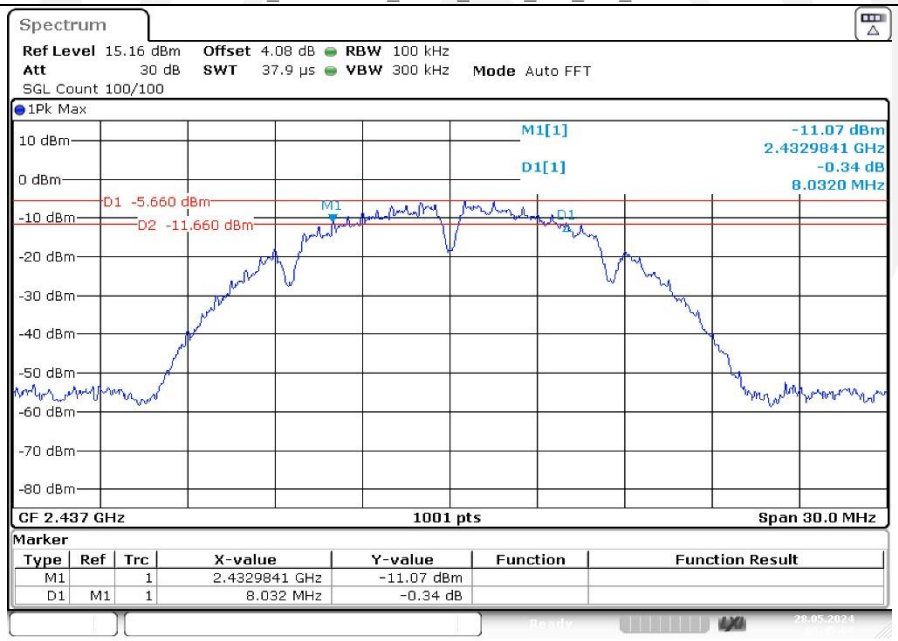
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	7.58	500	Pass
NVNT	ANT1	802.11b	2437.00	8.03	500	Pass
NVNT	ANT1	802.11b	2462.00	7.55	500	Pass
NVNT	ANT1	802.11g	2412.00	16.30	500	Pass
NVNT	ANT1	802.11g	2437.00	16.30	500	Pass
NVNT	ANT1	802.11g	2462.00	16.33	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	13.55	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.91	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.90	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.90	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.06	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	34.17	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	13.46	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	15.10	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	17.56	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	35.07	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	35.12	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	35.12	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



Date: 28.MAY.2024 06:40:12

-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



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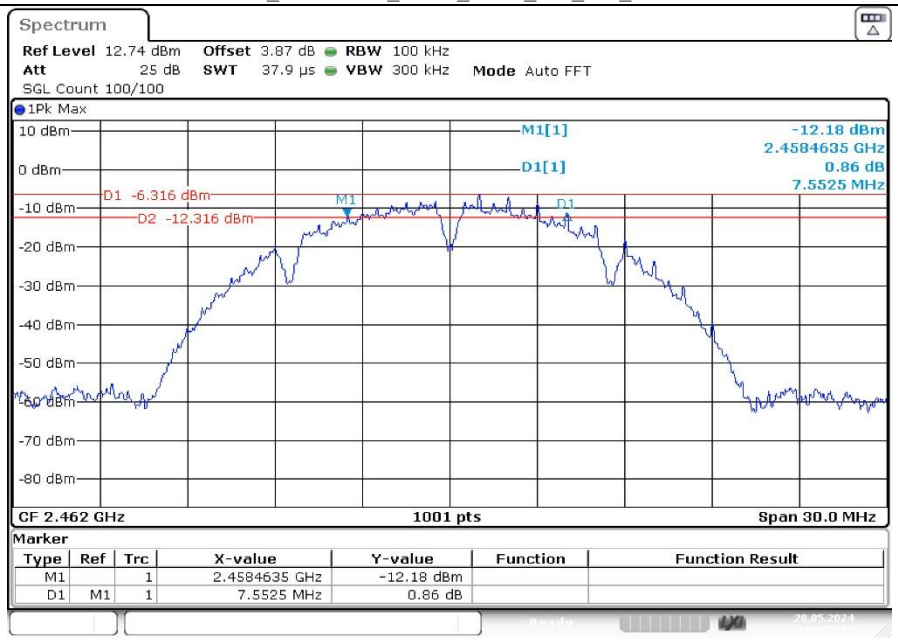

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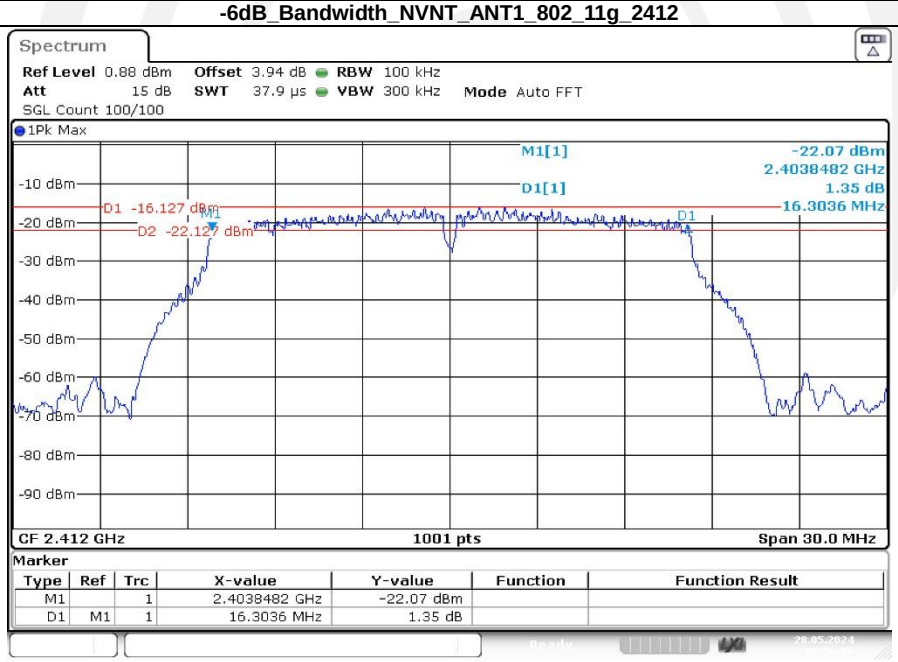

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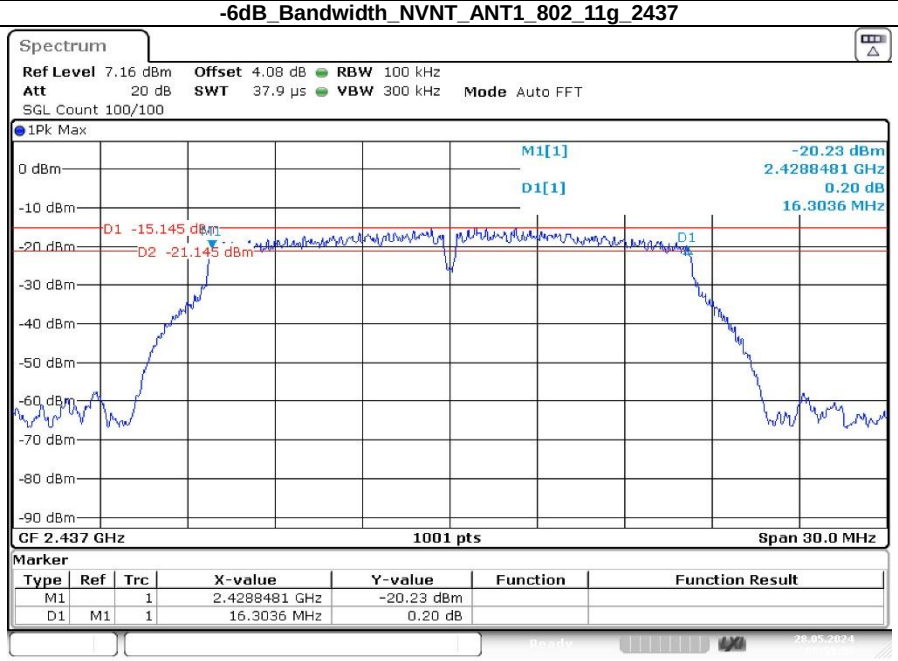

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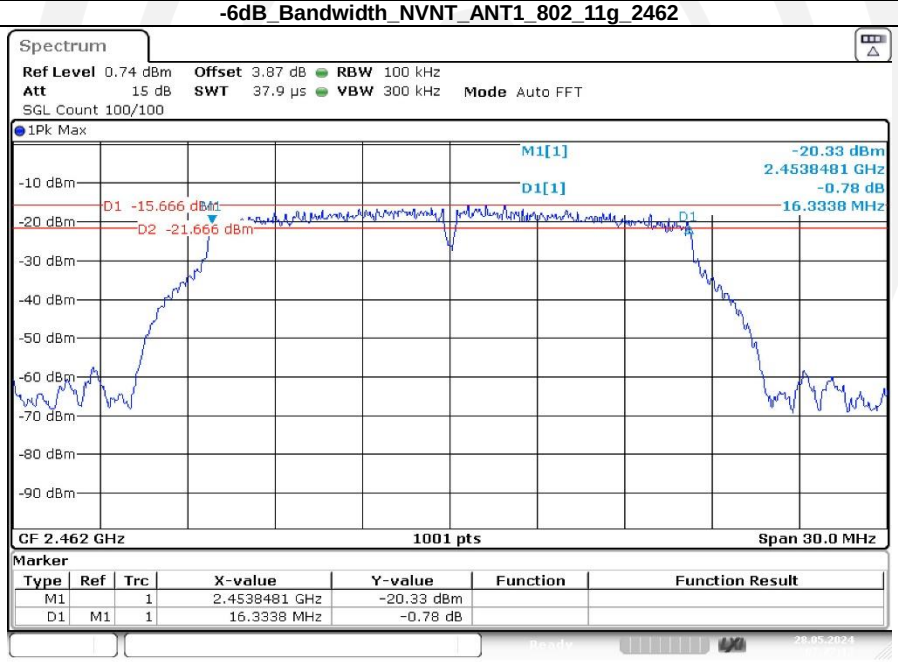

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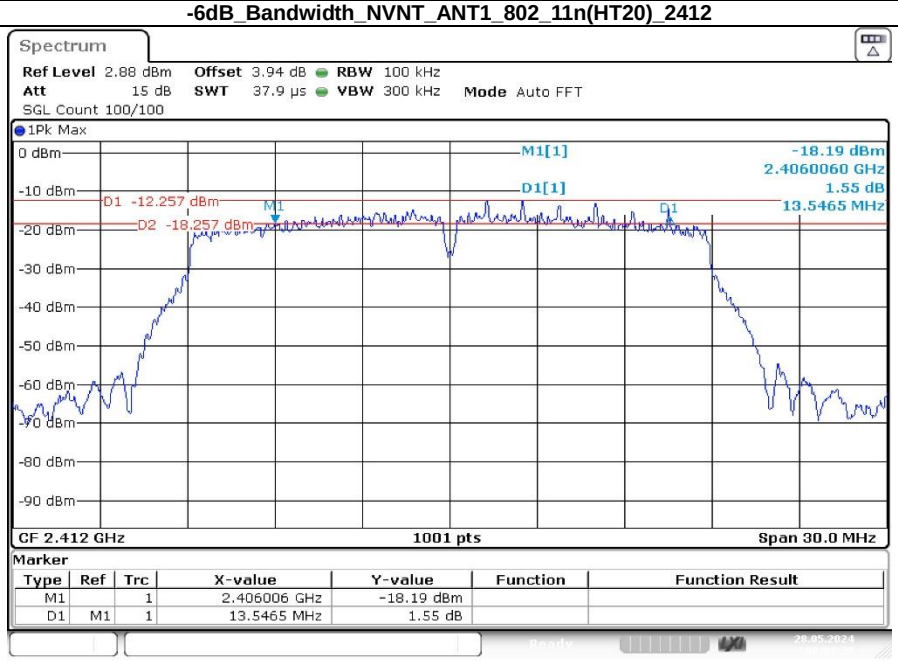
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



Date: 28.MAY.2024 08:01:39

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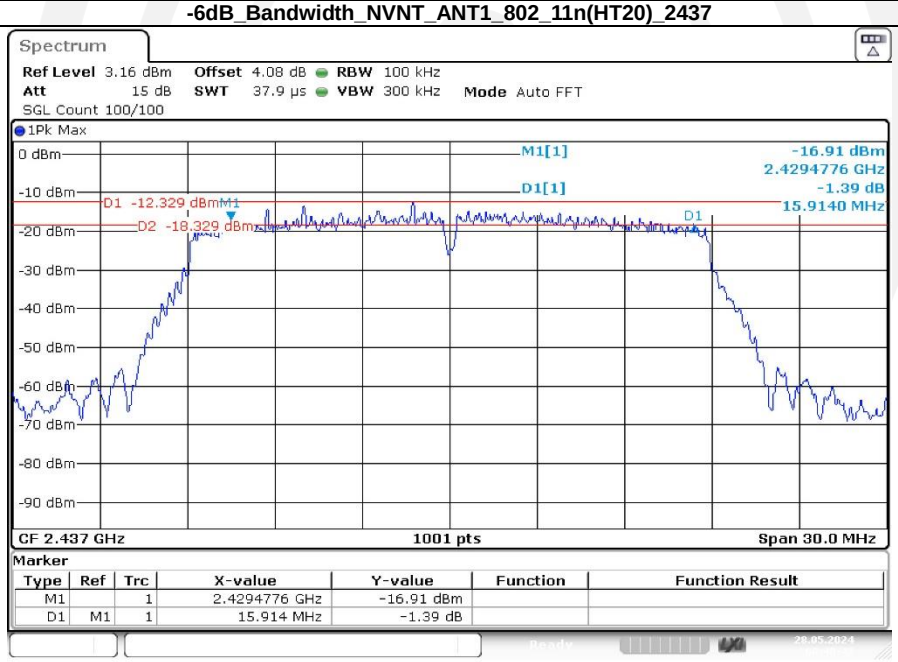
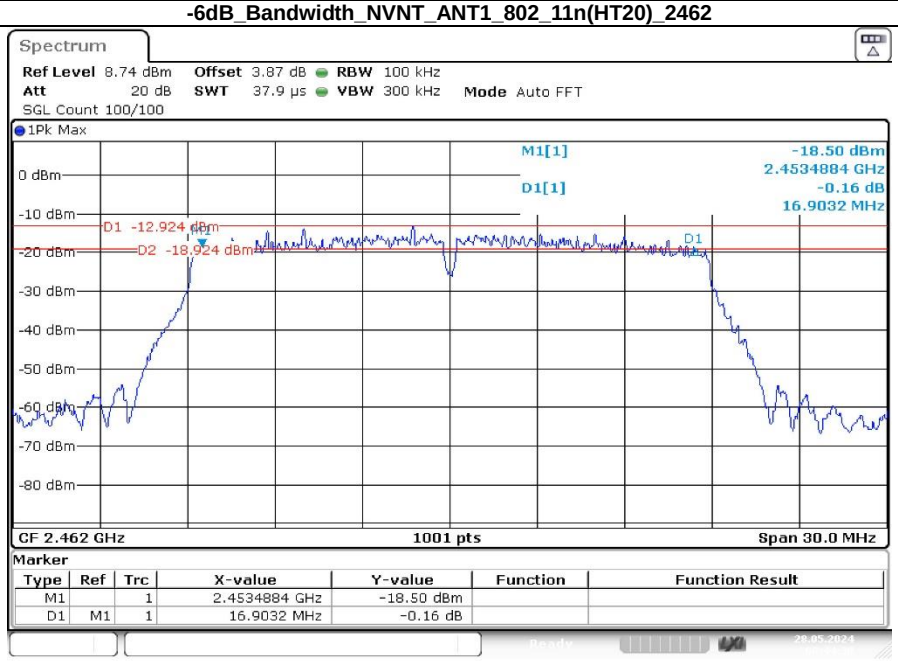


Date: 28.MAY.2024 08:40:42

-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



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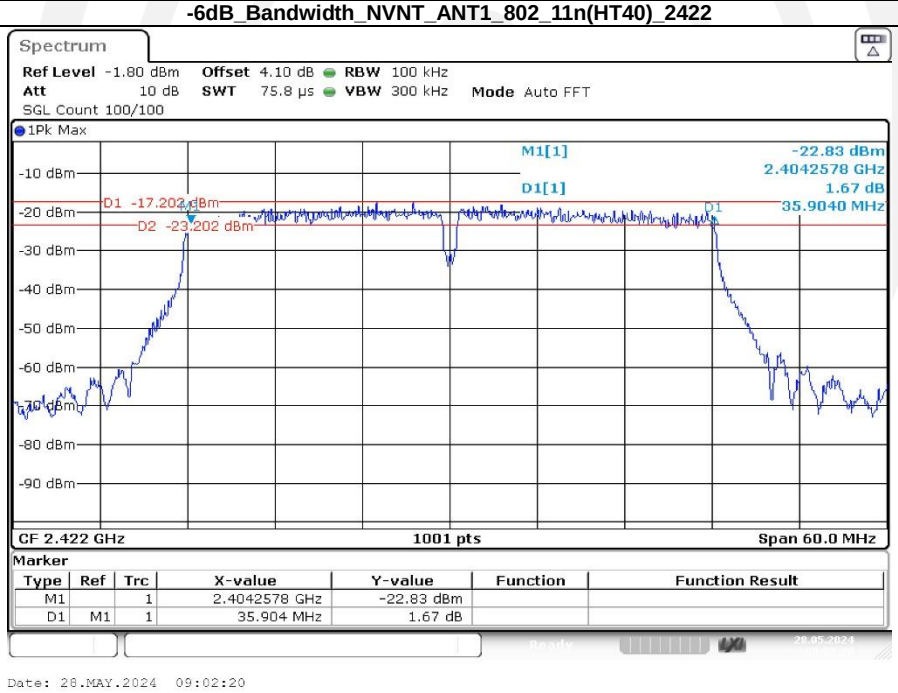
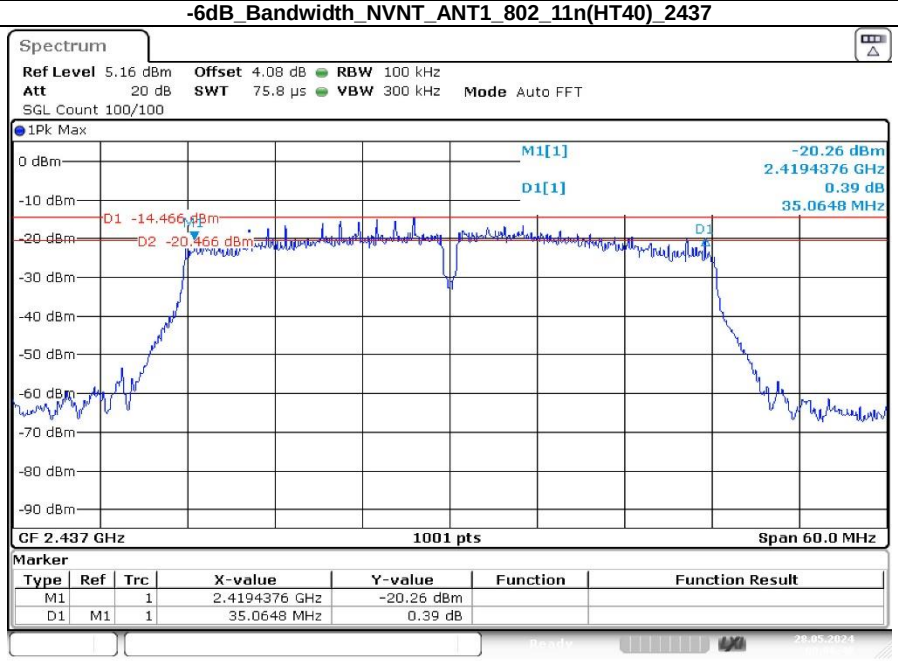
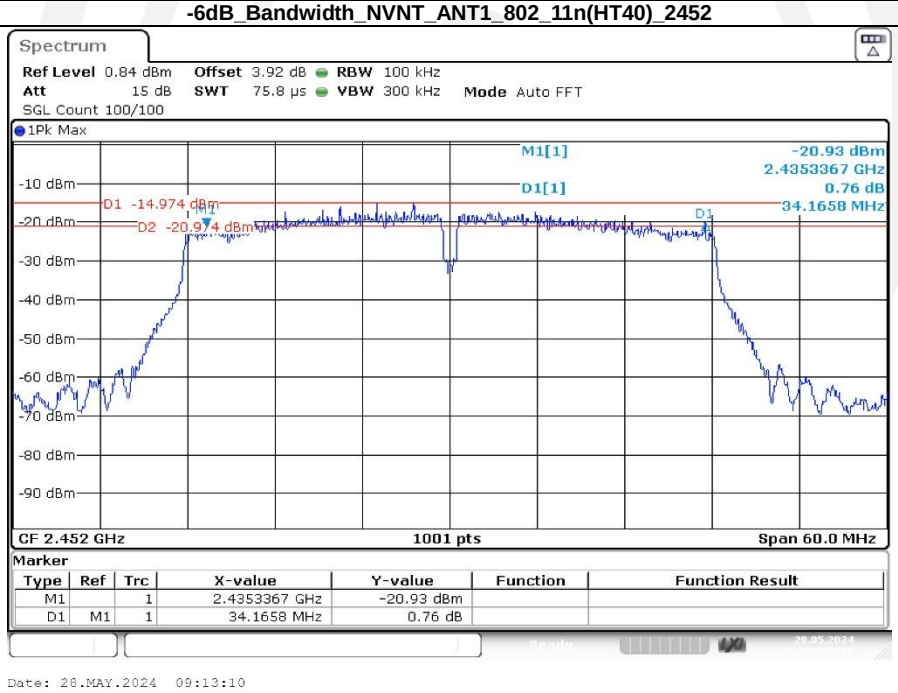


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437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