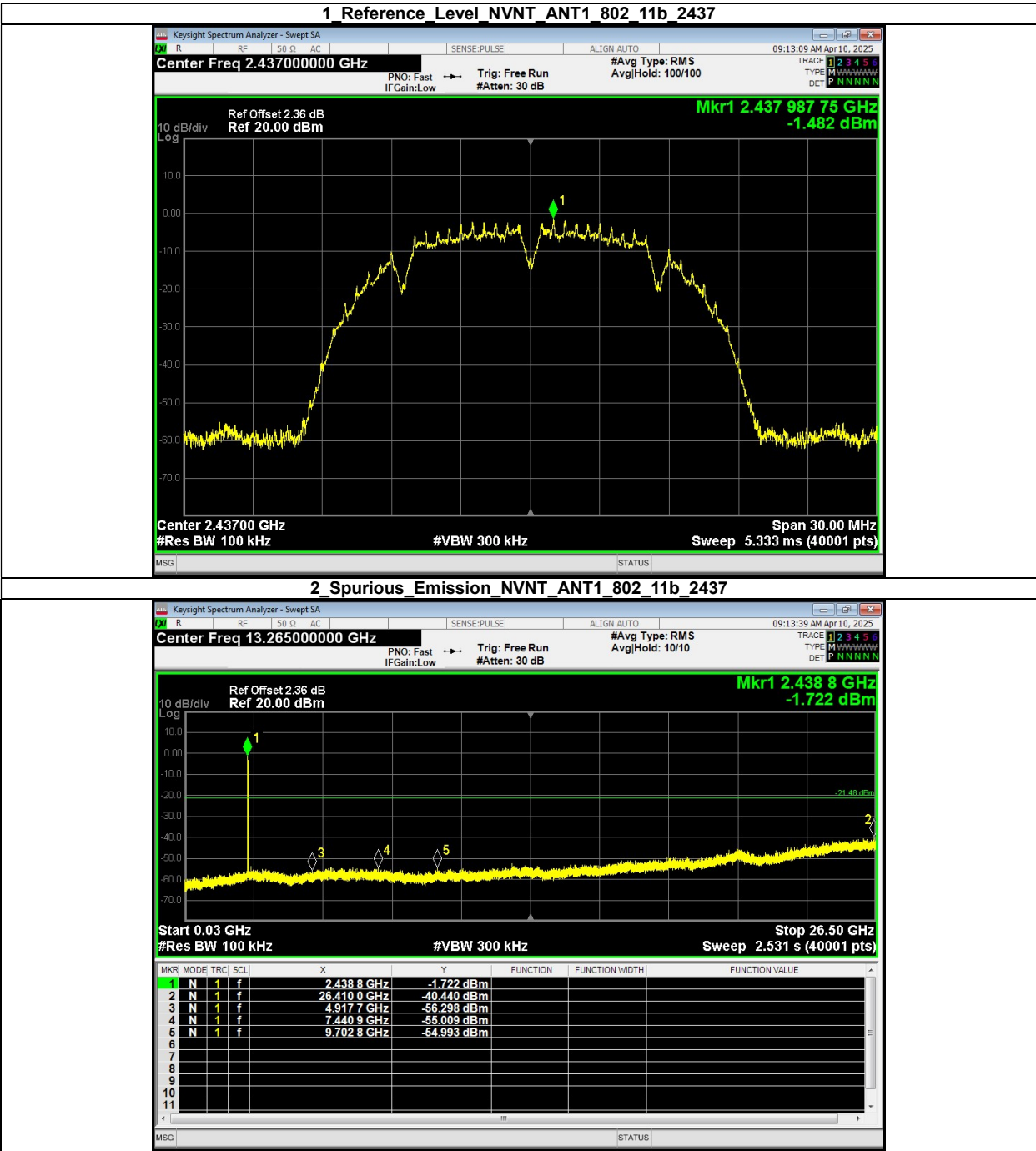
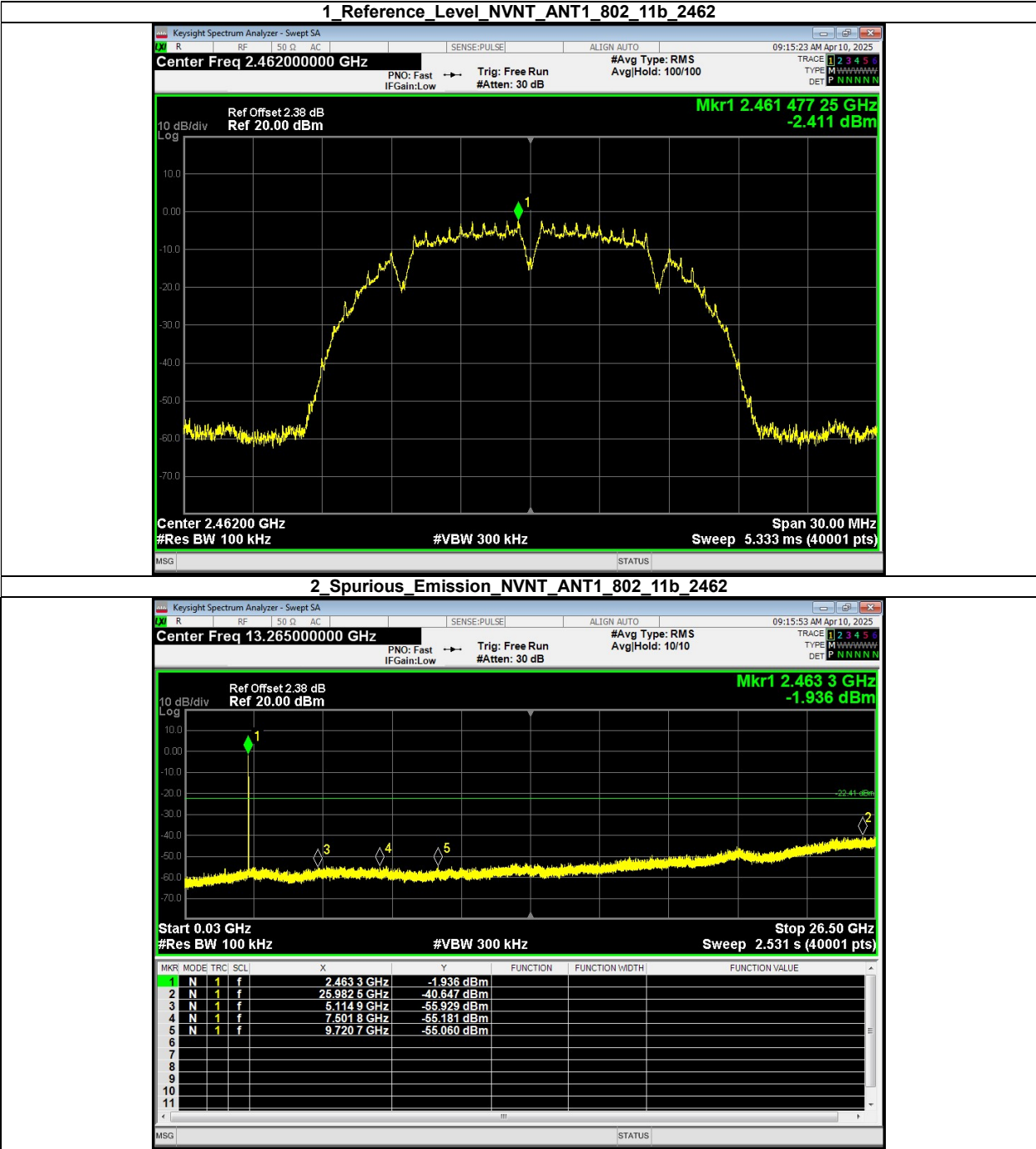
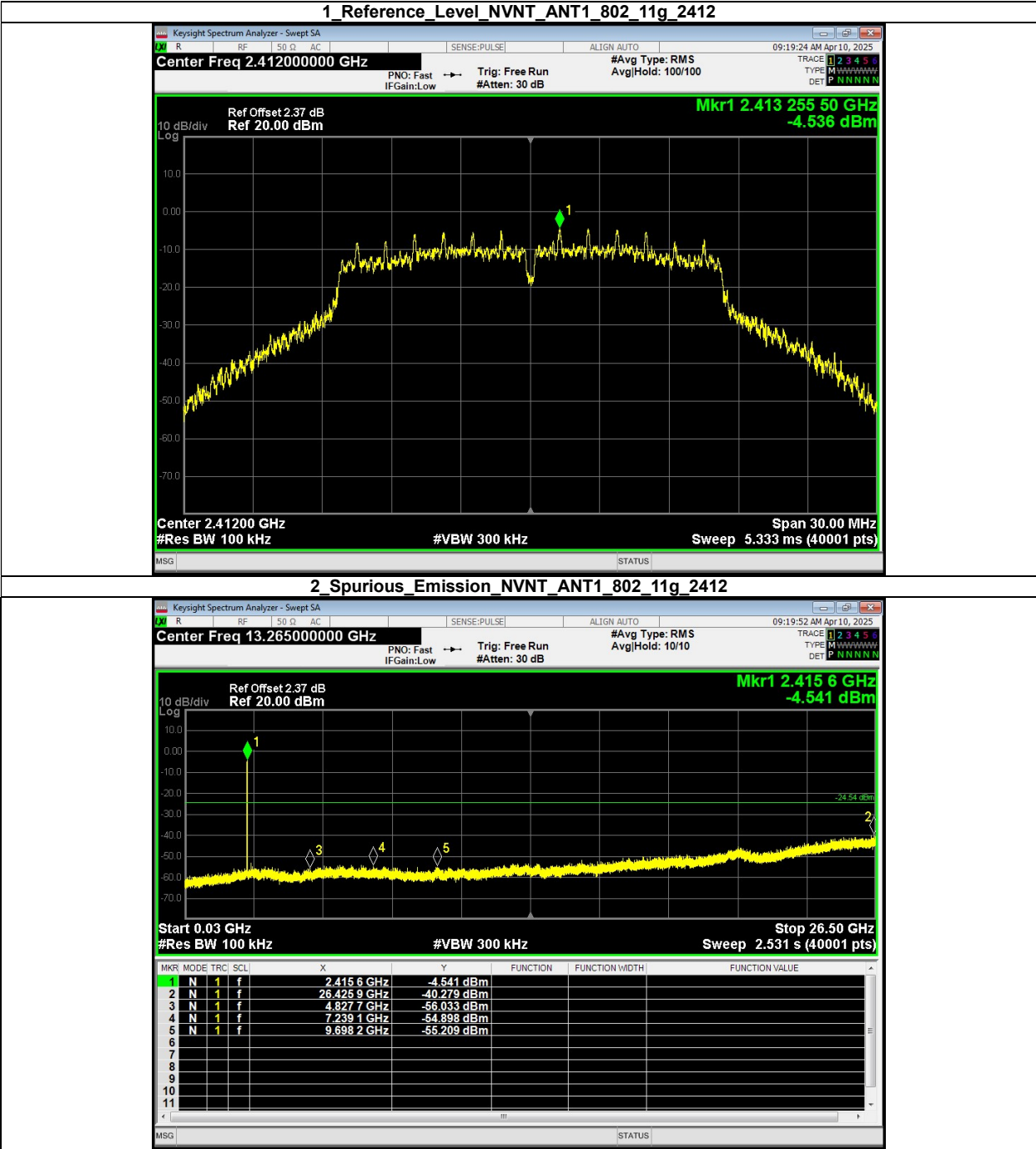
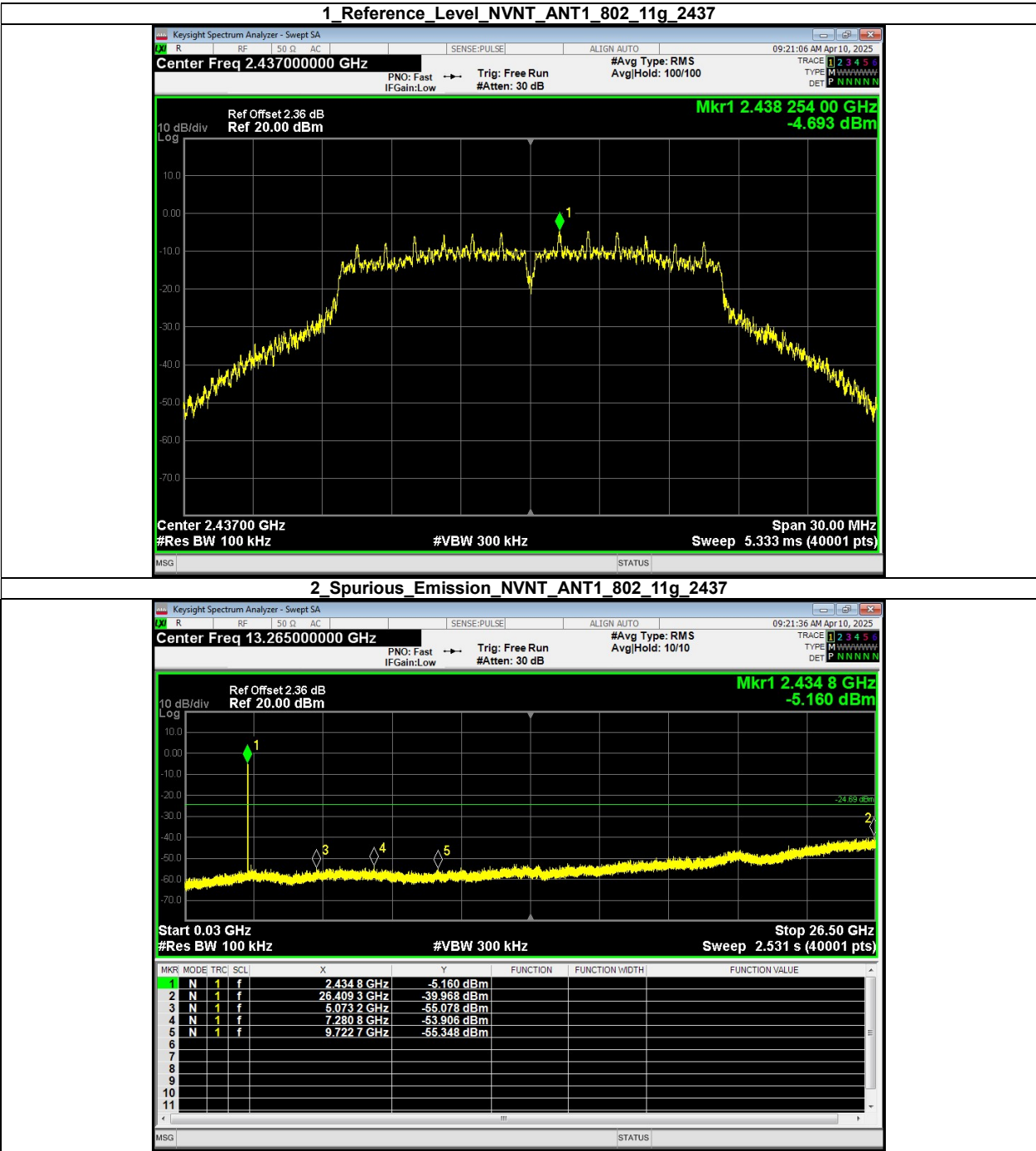


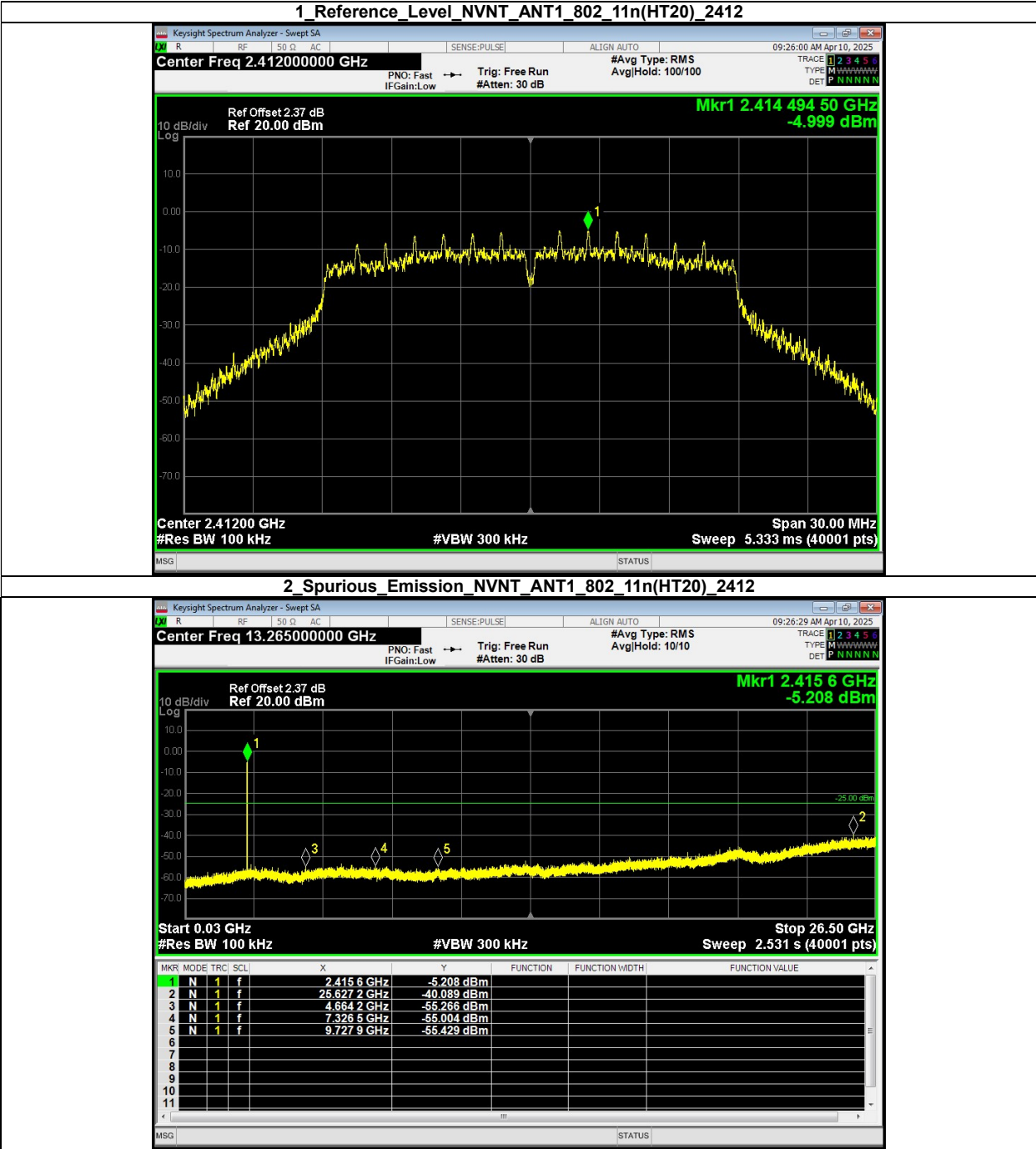


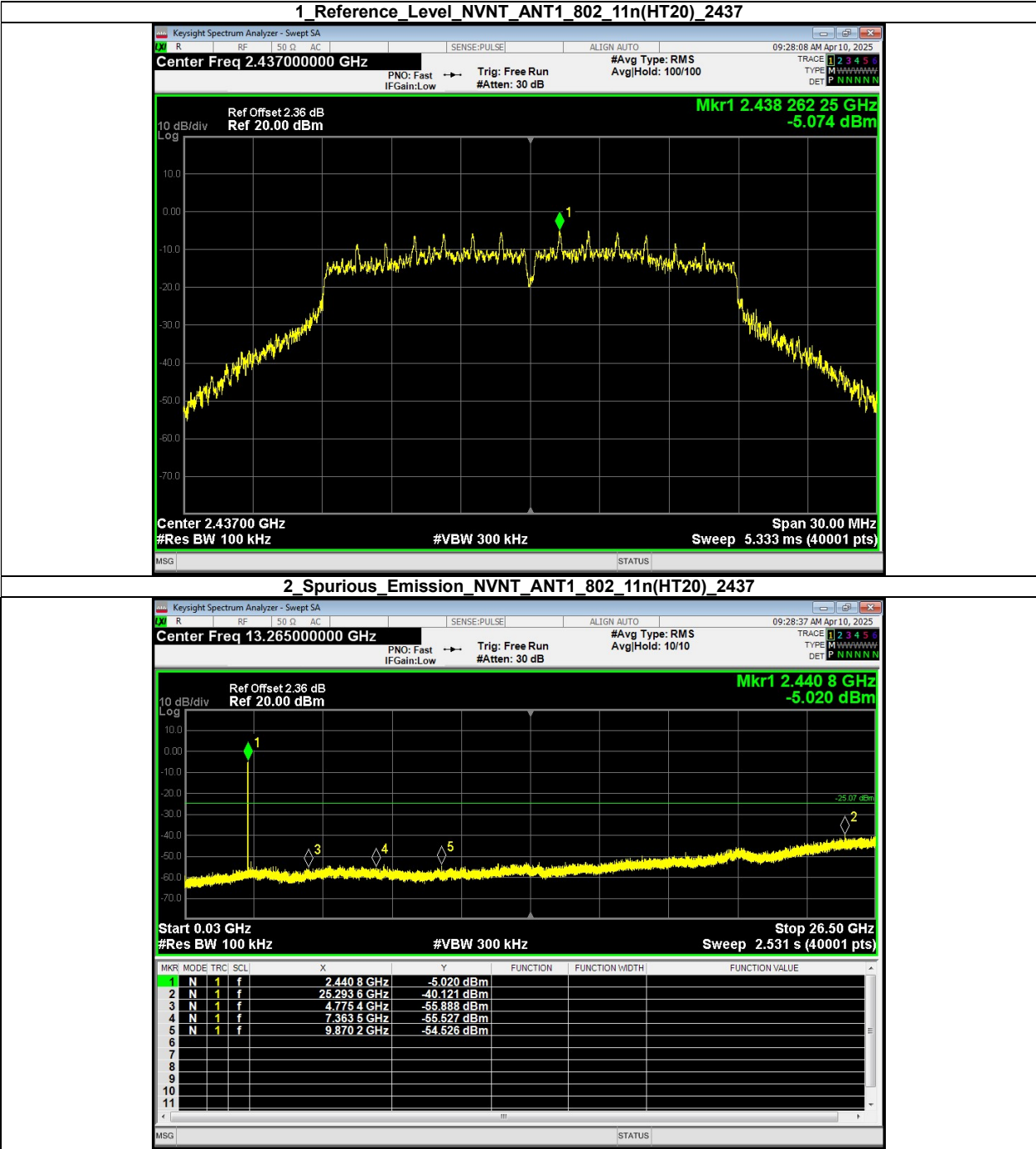


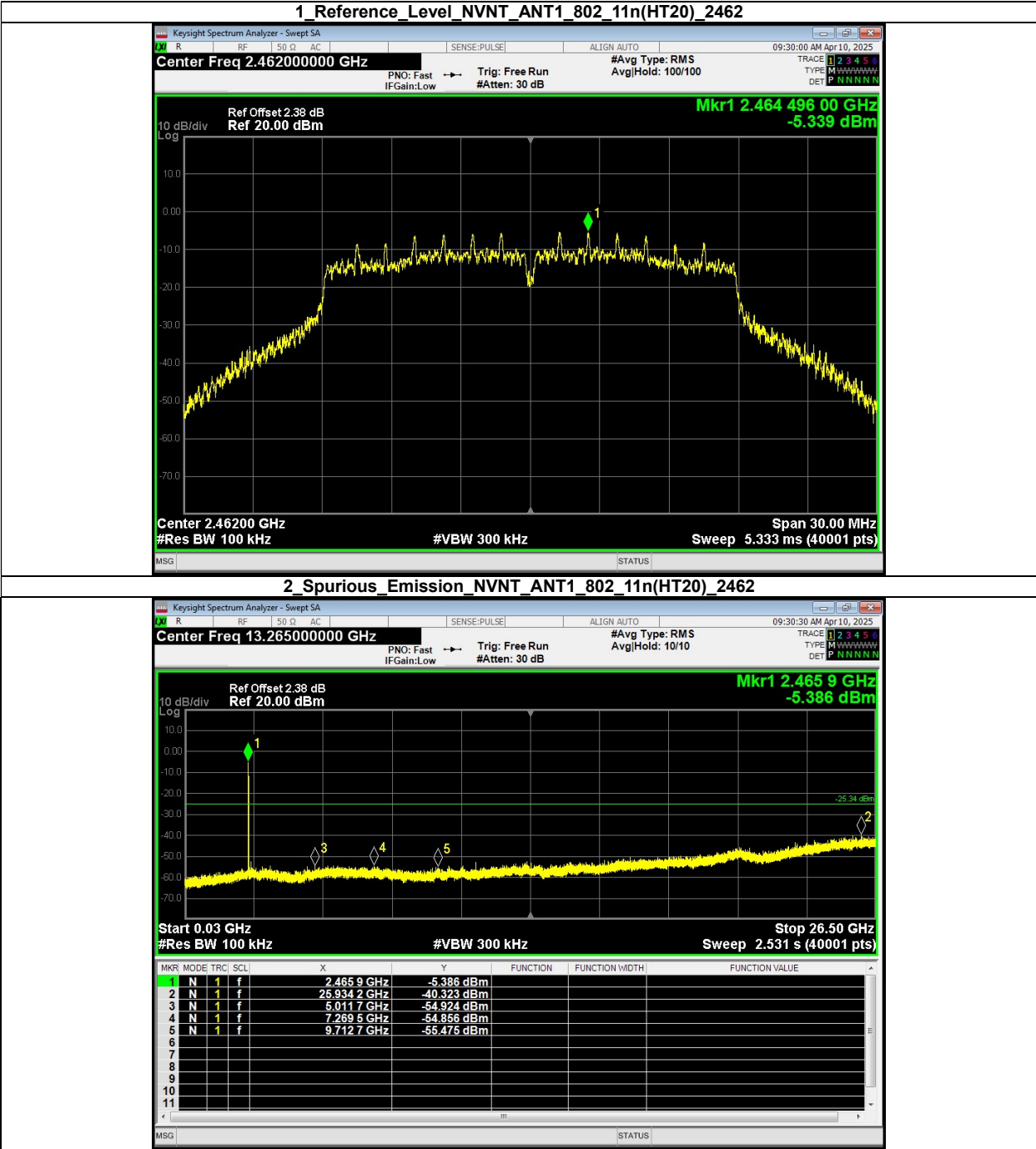


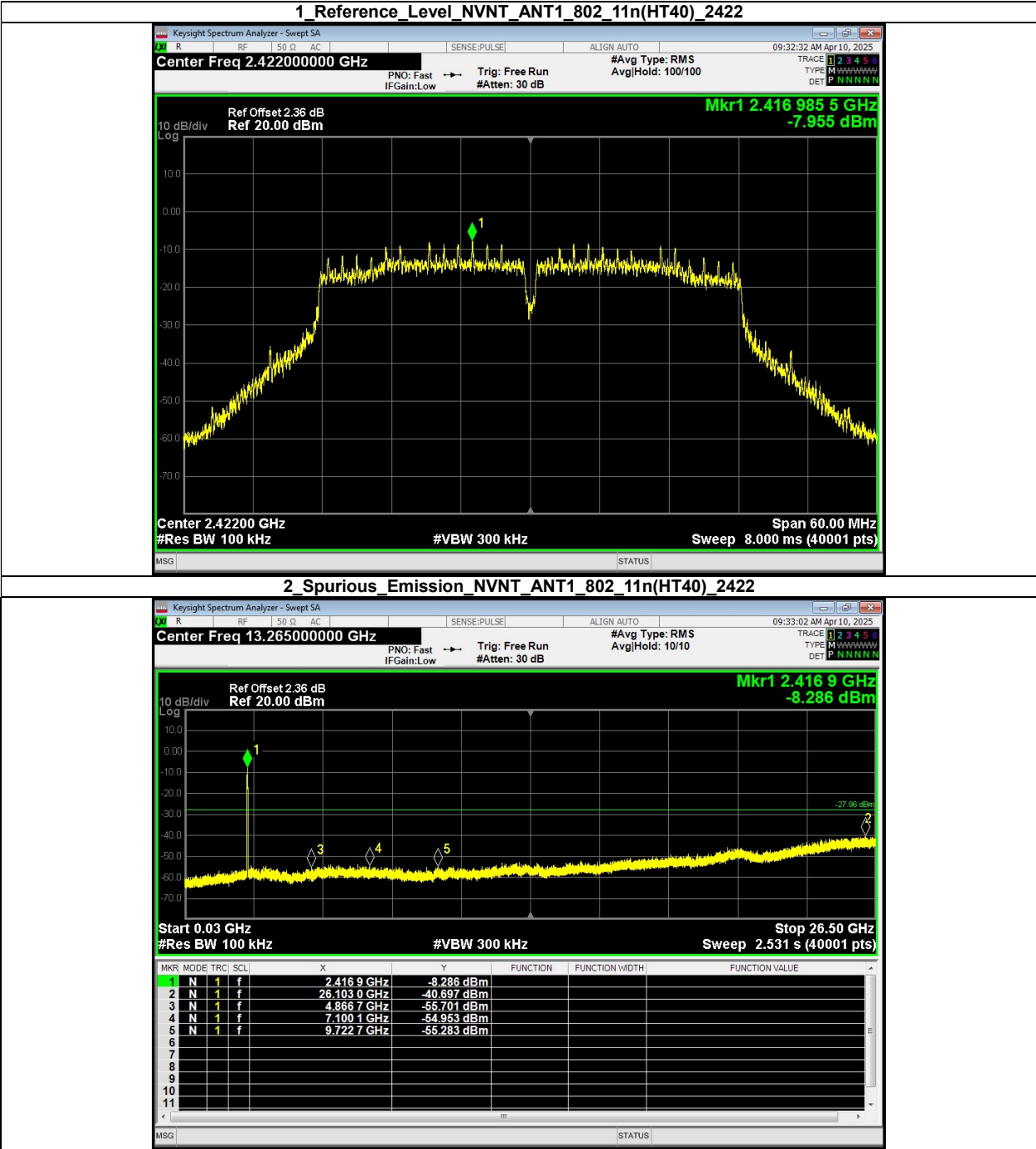


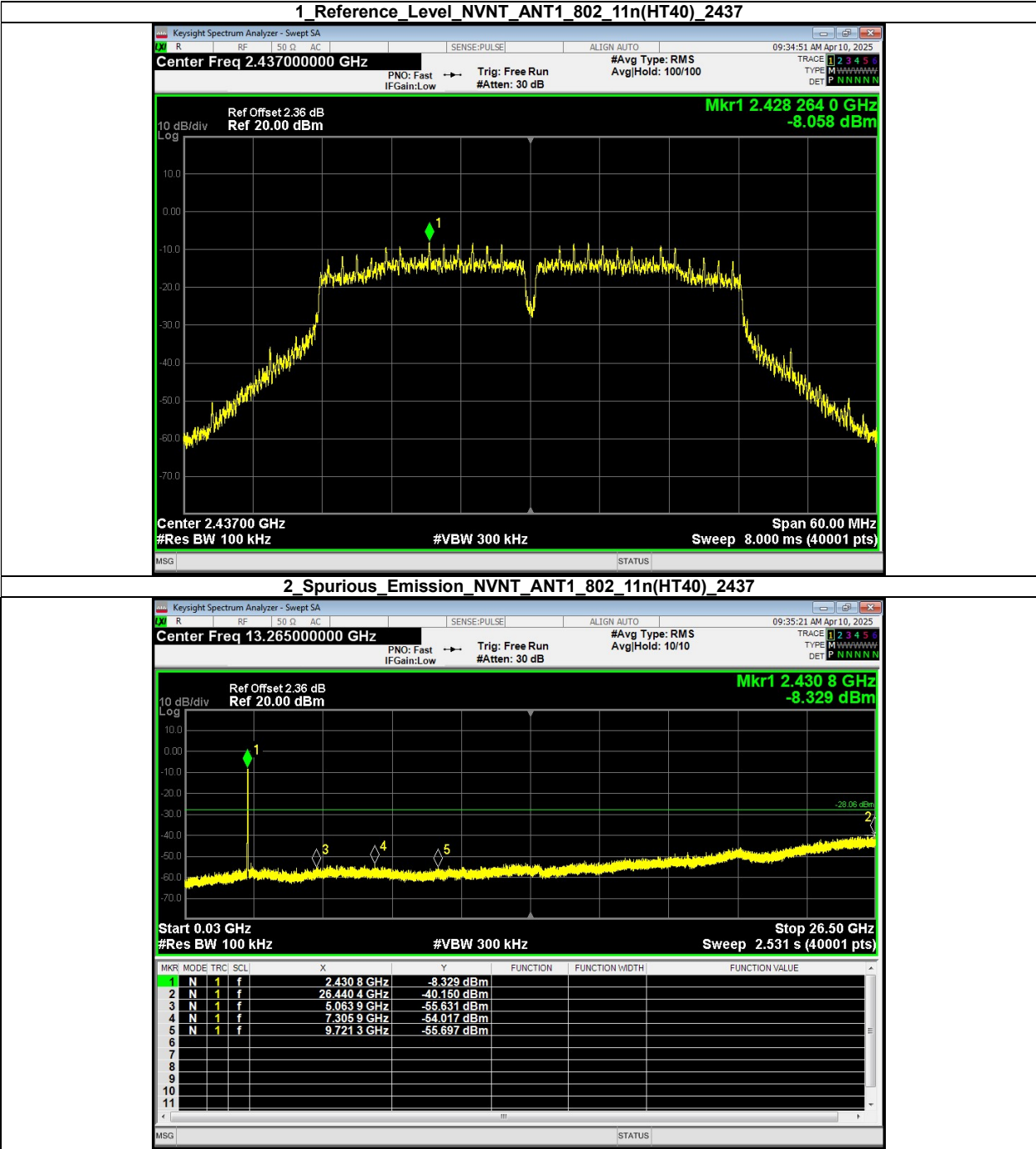


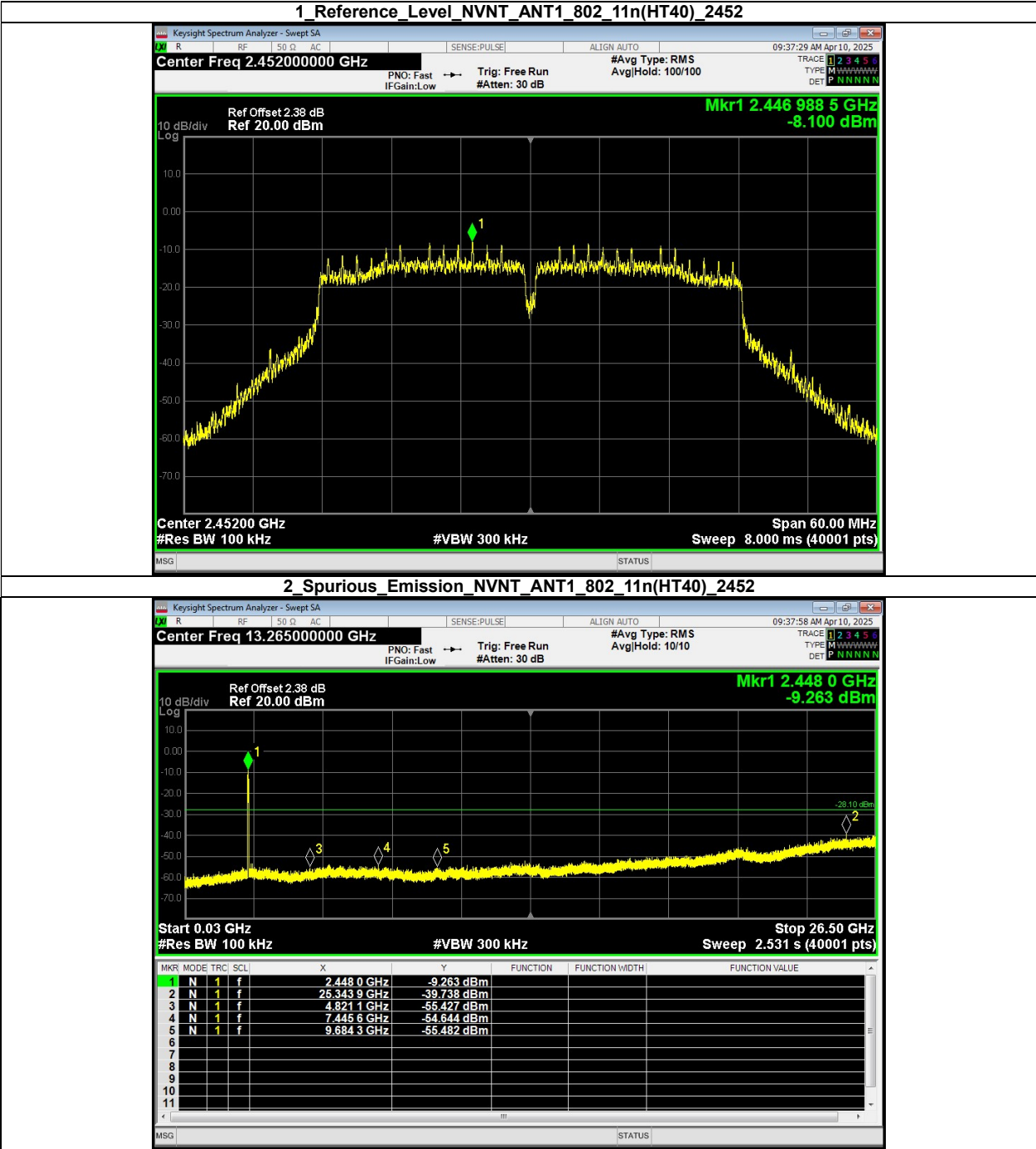












6. Conducted Maximum Output Power

6.1. Test limits

Please refer RSS-247 & FCC PART 15.247.

Regulation 15.247(b) The limit of Maximum Peak Output Power Measurement is 1 W(30dBm)

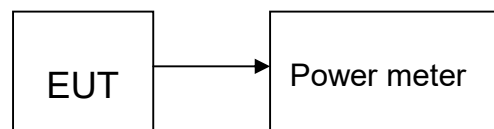
6.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

1. Place the EUT on the table and set it in transmitting mode.
2. Connected the EUT's antenna port to peak power meter by 20dB attenuator.
3. Measure out each mode and each bands peak output power of EUT.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

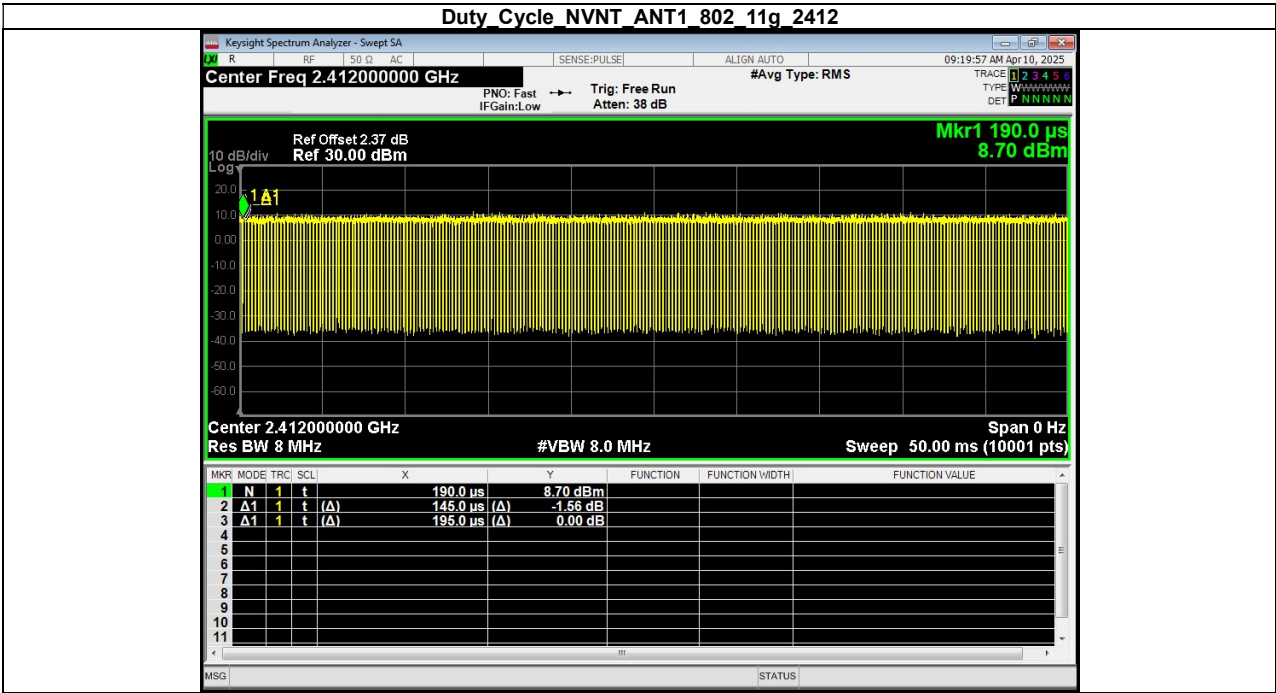
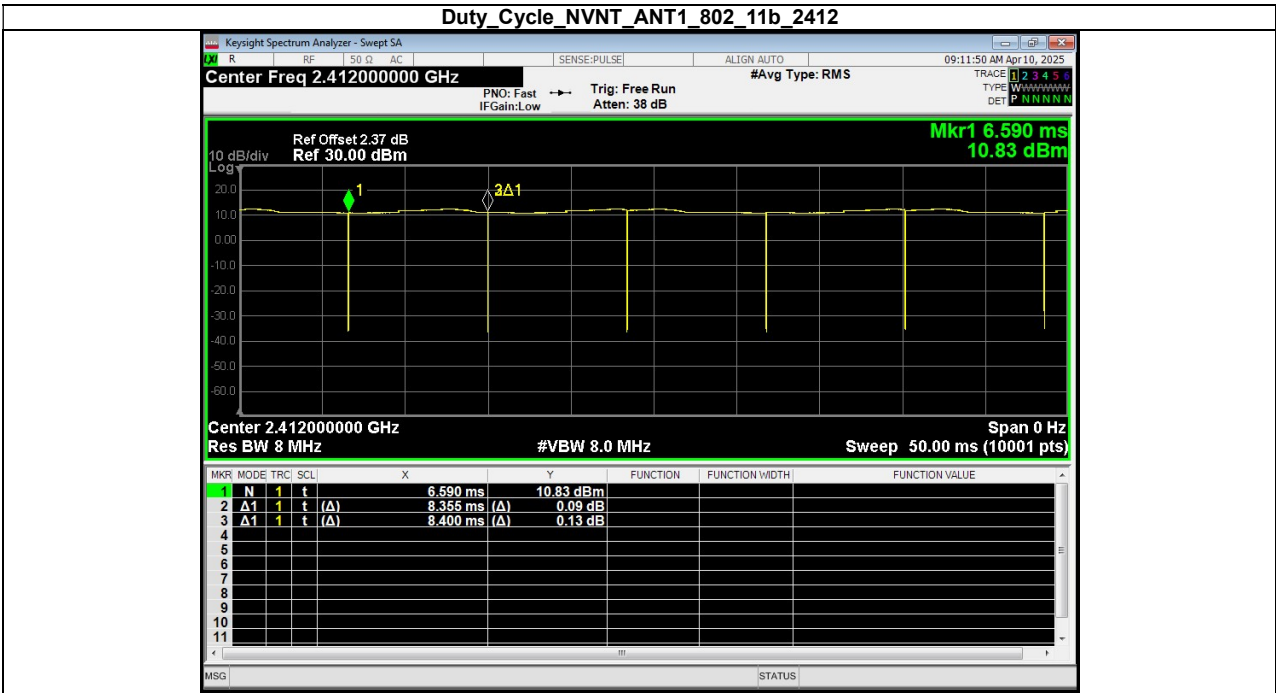
6.3. Test Setup

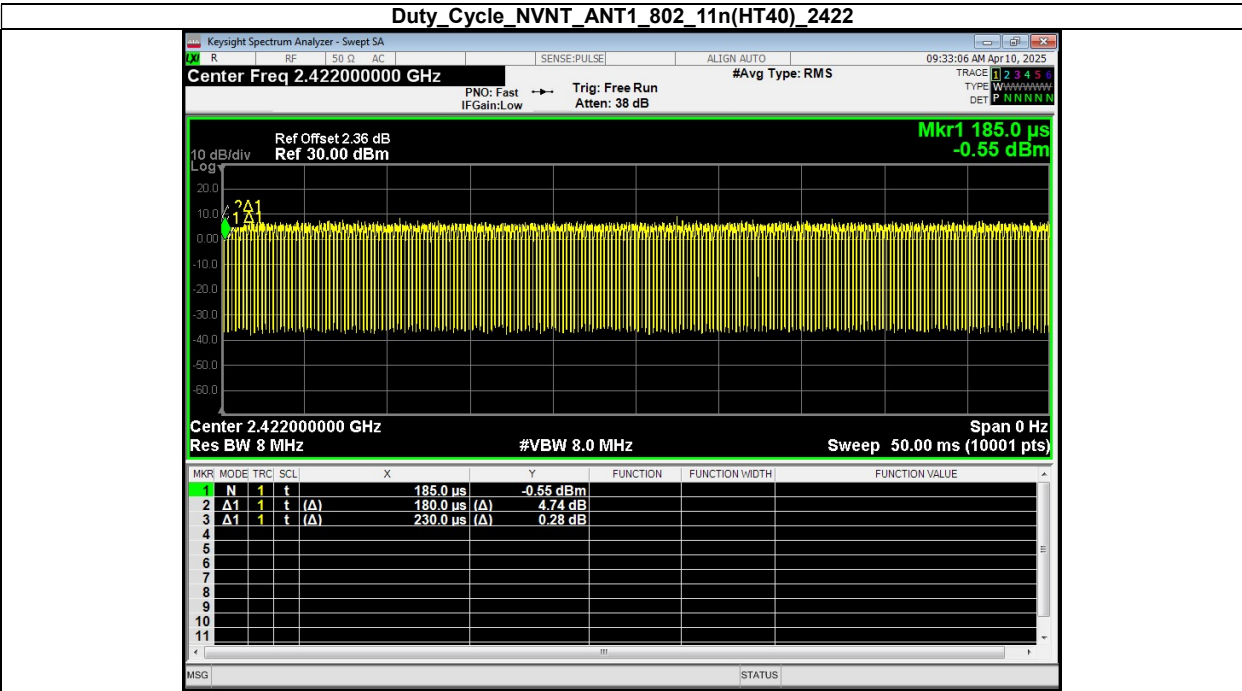
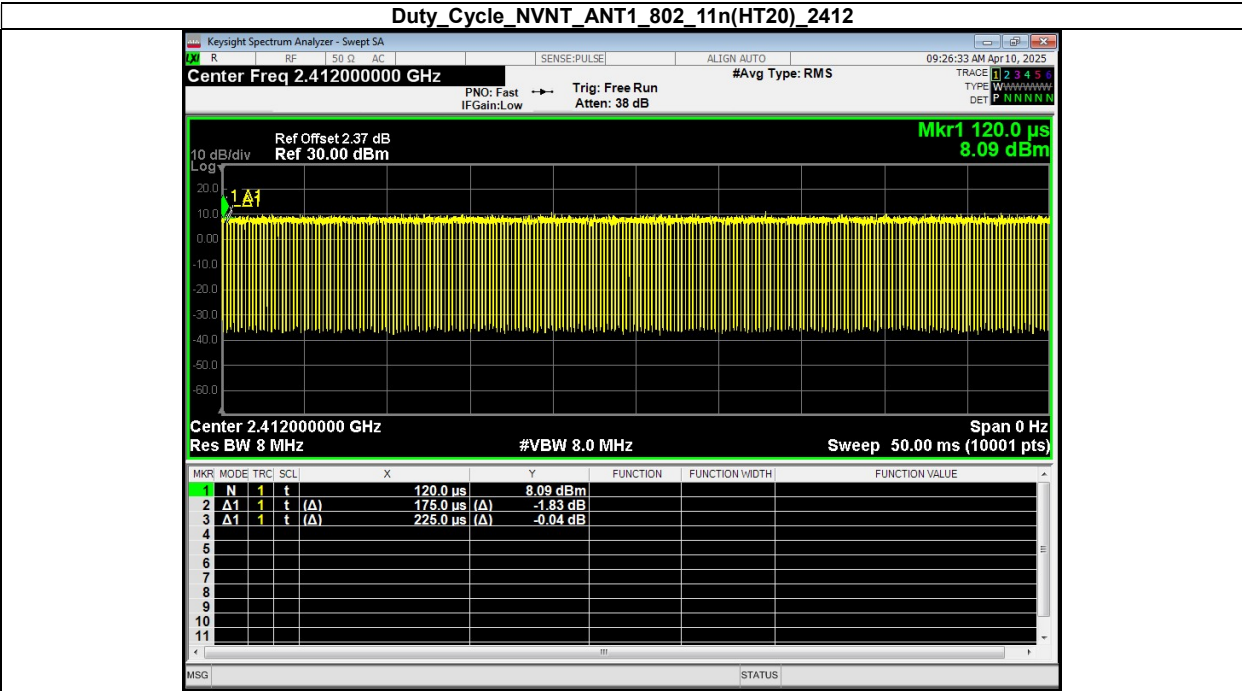


6.4. Test Results

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	9.399	N/A	9.399	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	9.252	N/A	9.252	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	9.056	N/A	9.056	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	9.680	N/A	9.680	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	9.590	N/A	9.590	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	9.458	N/A	9.458	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	9.190	N/A	9.190	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	9.120	N/A	9.120	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	8.987	N/A	8.987	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	9.463	N/A	9.463	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	9.343	N/A	9.343	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	9.218	N/A	9.218	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.52	0
NVNT	ANT1	802.11g	2412.00	78.95	1.03
NVNT	ANT1	802.11n(HT20)	2412.00	81.82	0.87
NVNT	ANT1	802.11n(HT40)	2422.00	78.26	1.06





7. Peak Power Spectral Density

7.1. Test limits

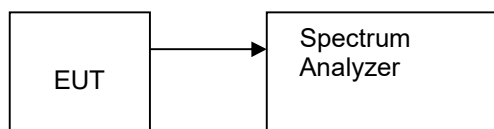
1. Please refer FCC PART 15.247.
2. For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.
3. The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

7.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 30kHz(Set the RBW to: 3 kHz≤RBW≤100 kHz.), VBW = 300kHz(Set the VBW≥3×RBW), span≥1.5×DTS bandwidth., detail see the test plot.
4. Record the max reading.
5. Repeat the above procedure until the measurements for all frequencies are completed.

7.3. Test Setup



7.4. Test Results

Condition	Antenna	Modulation	Frequency (MHz)	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-14.567	8	Pass
NVNT	ANT1	802.11b	2437.00	-14.809	8	Pass
NVNT	ANT1	802.11b	2462.00	-15.853	8	Pass
NVNT	ANT1	802.11g	2412.00	-19.884	8	Pass
NVNT	ANT1	802.11g	2437.00	-20.180	8	Pass
NVNT	ANT1	802.11g	2462.00	-19.903	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-18.276	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-19.211	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-19.778	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-22.242	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-22.109	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-22.587	5	Pass