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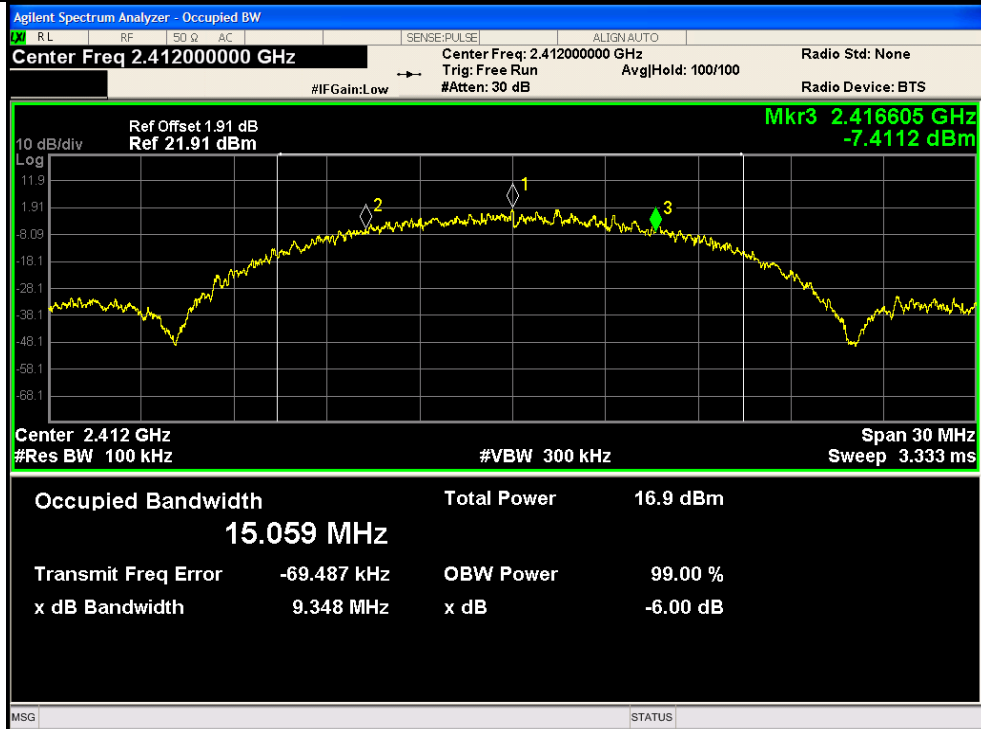
FCC ID: 2BHCJ-WPC58W

FCC_2.4G_WIFI (Part15.247) Test Data

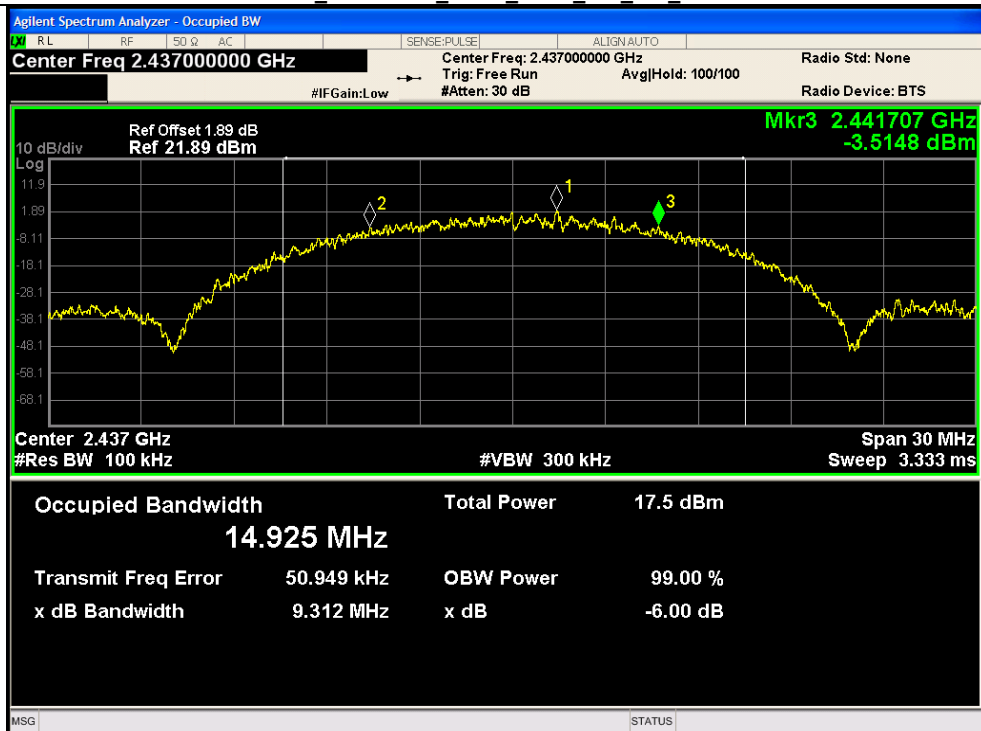
1. -6dB Bandwidth & 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	Limit -6dB BW (kHz)	99% Occupied Bandwidth (MHz)	Result
NVNT	ANT1	802.11b	2412.00	9.348	500	15.059	Pass
NVNT	ANT1	802.11b	2437.00	9.312	500	14.925	Pass
NVNT	ANT1	802.11b	2462.00	8.107	500	14.877	Pass
NVNT	ANT1	802.11g	2412.00	16.469	500	16.447	Pass
NVNT	ANT1	802.11g	2437.00	16.468	500	16.436	Pass
NVNT	ANT1	802.11g	2462.00	16.451	500	16.425	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	12.43	500	17.698	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	13.05	500	17.658	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	13.65	500	17.677	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.331	500	36.179	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.385	500	36.170	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.393	500	36.144	Pass

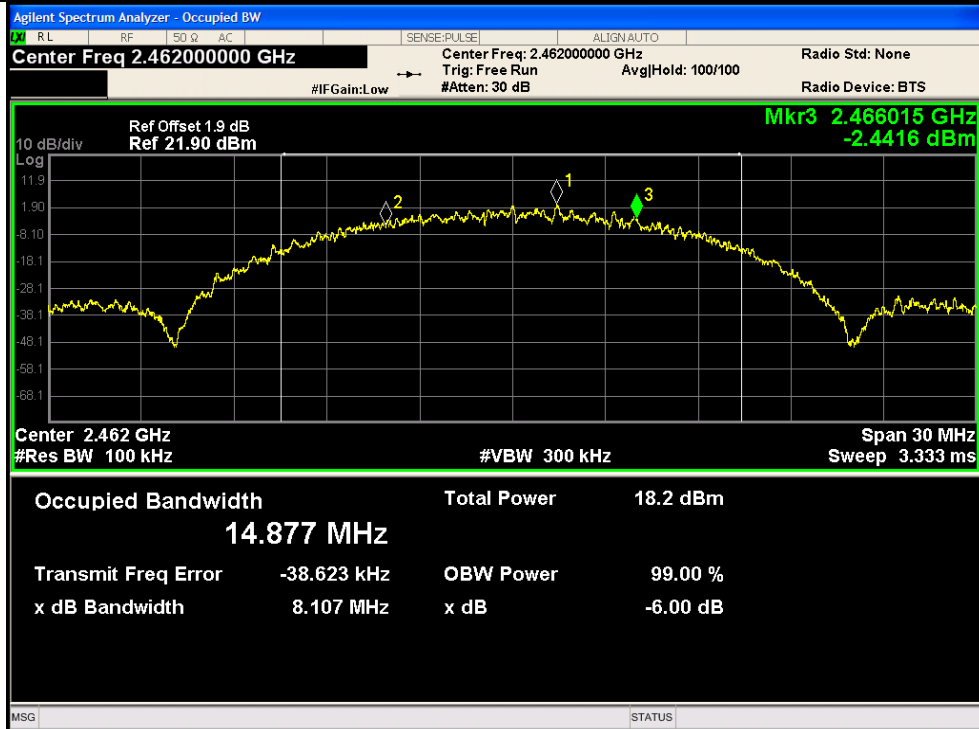
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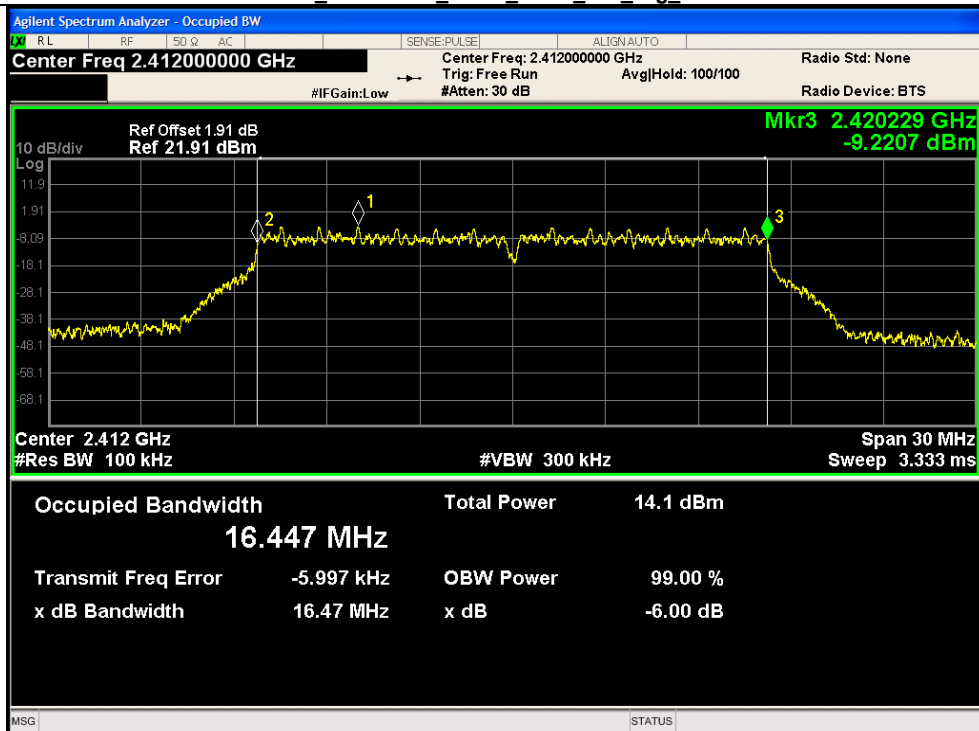
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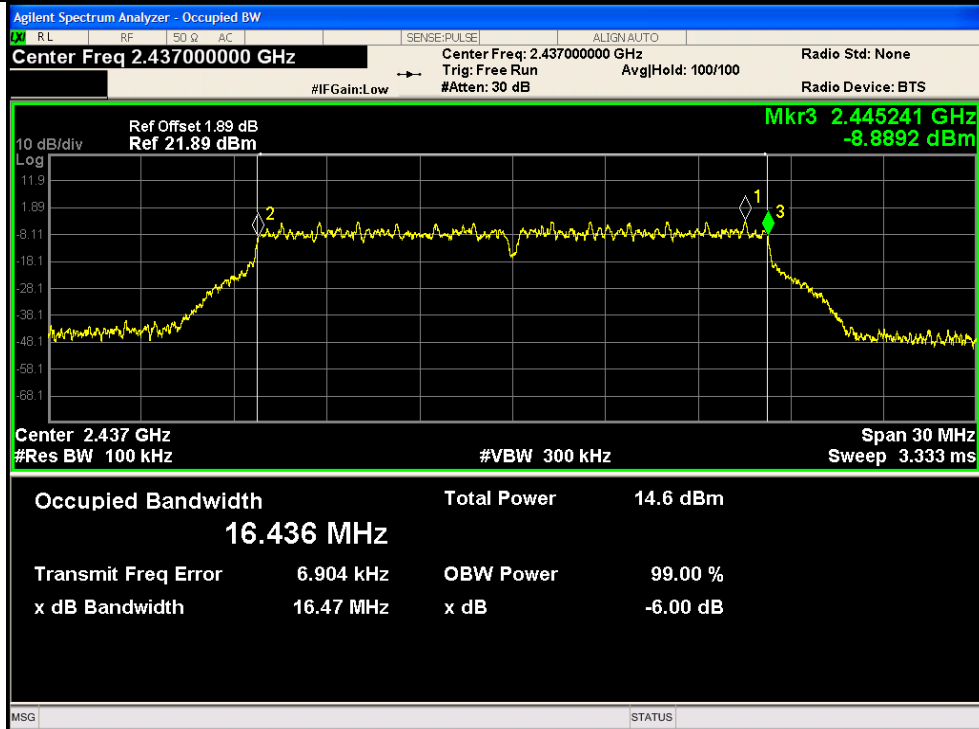
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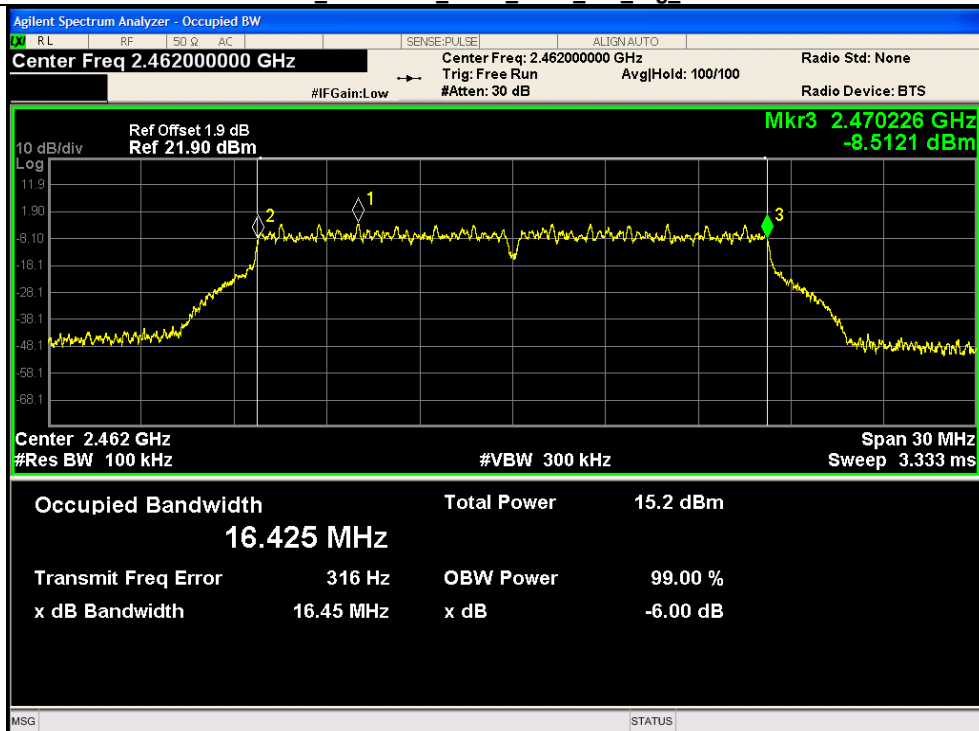
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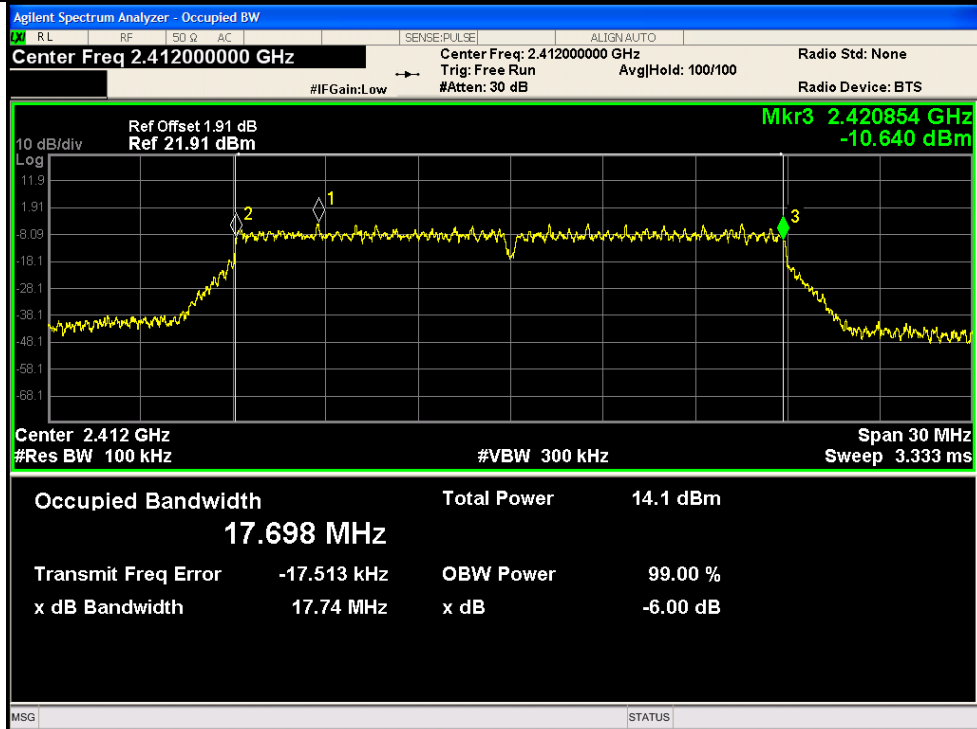
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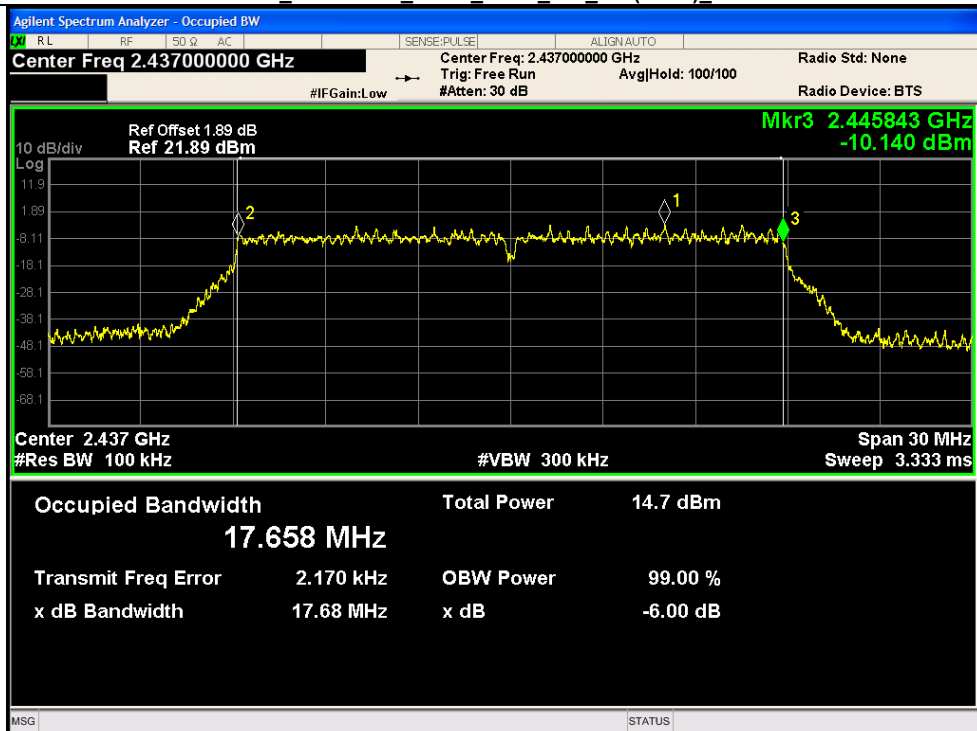
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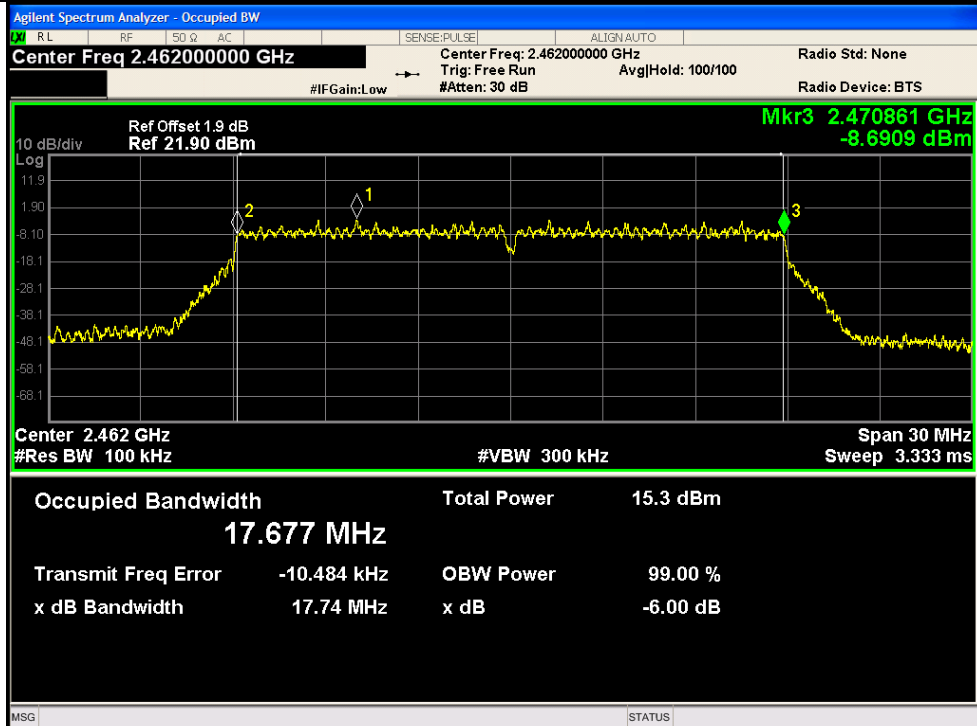
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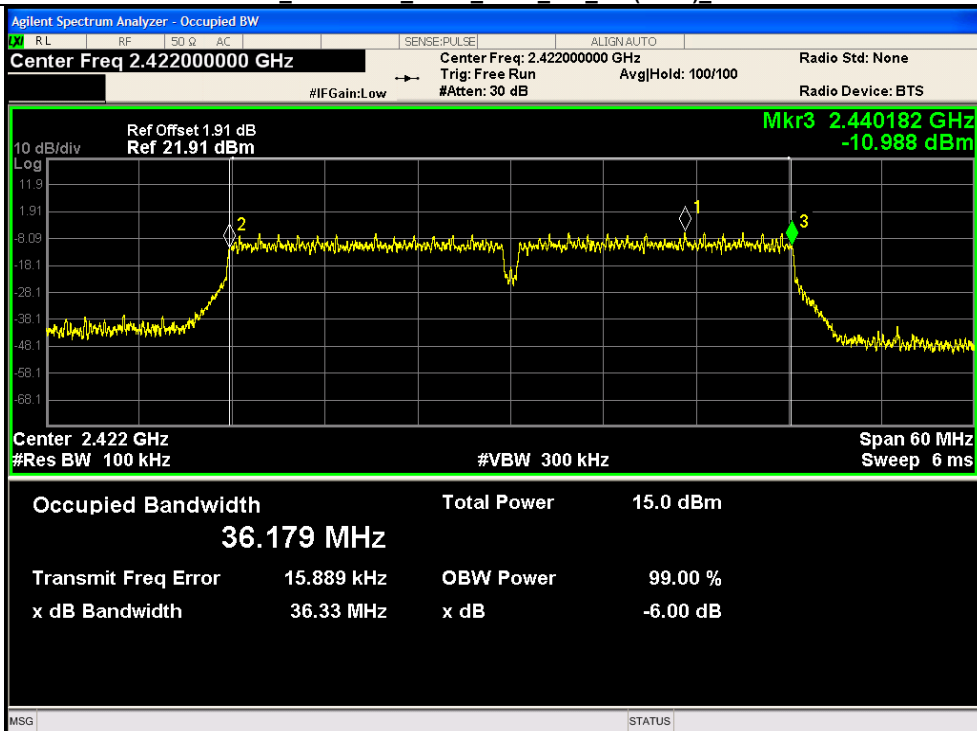
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



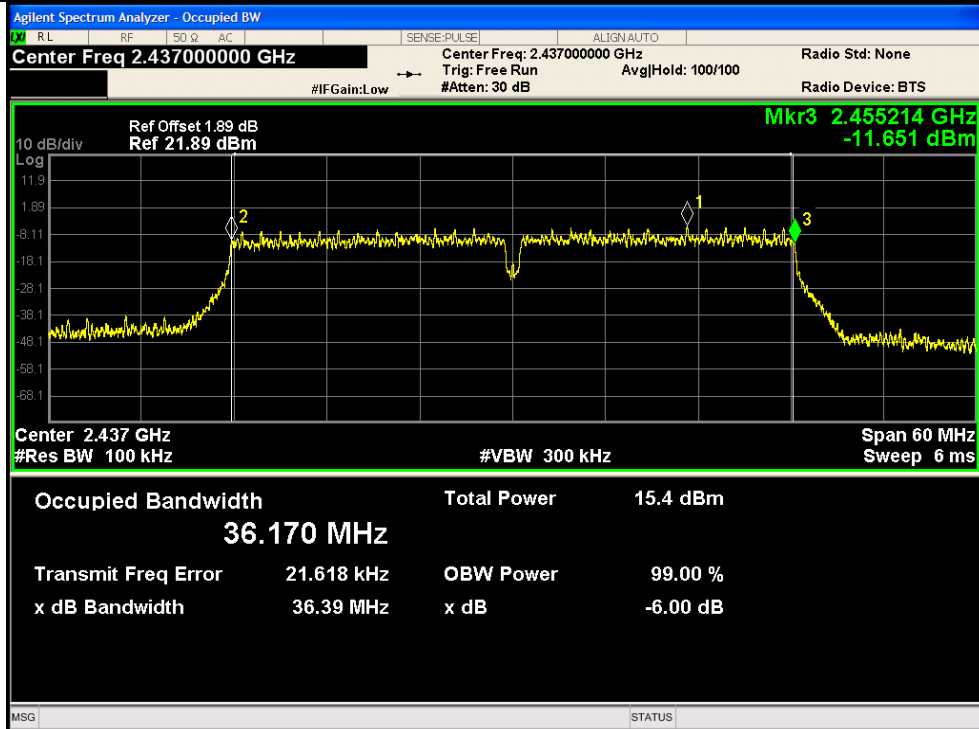
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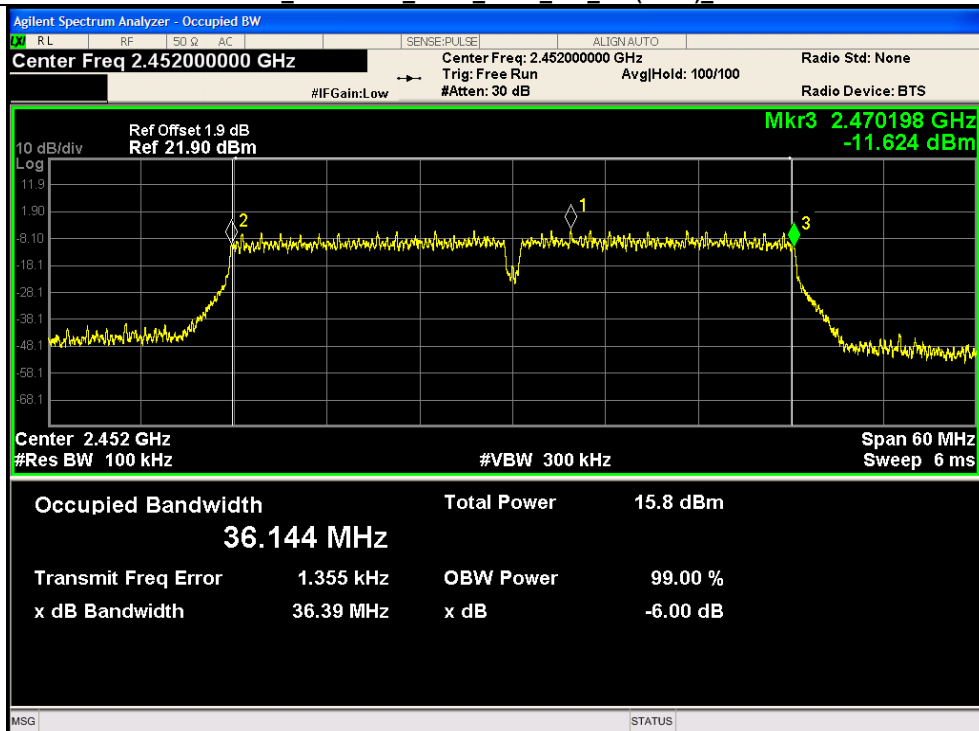
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-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



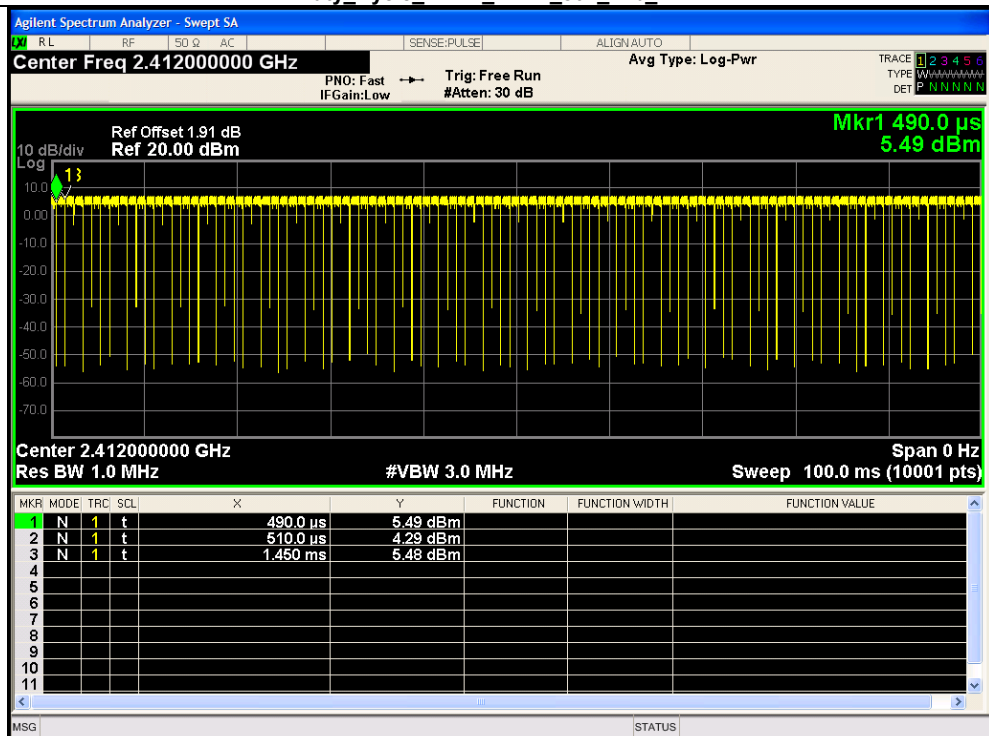
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



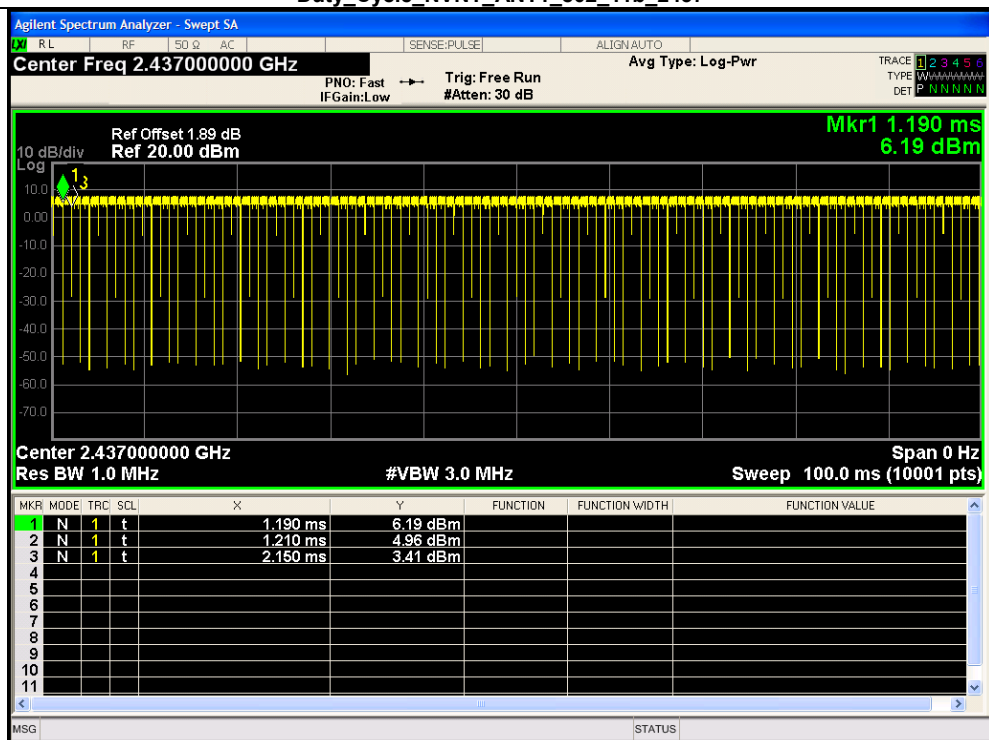
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.16	0.04
NVNT	ANT1	802.11b	2437.00	99.16	0.04
NVNT	ANT1	802.11b	2462.00	99.16	0.04
NVNT	ANT1	802.11g	2412.00	96.36	0.16
NVNT	ANT1	802.11g	2437.00	96.38	0.16
NVNT	ANT1	802.11g	2462.00	96.46	0.16
NVNT	ANT1	802.11n(HT20)	2412.00	98.75	0.05
NVNT	ANT1	802.11n(HT20)	2437.00	98.75	0.05
NVNT	ANT1	802.11n(HT20)	2462.00	98.74	0.06
NVNT	ANT1	802.11n(HT40)	2422.00	97.57	0.05
NVNT	ANT1	802.11n(HT40)	2437.00	97.61	0.05
NVNT	ANT1	802.11n(HT40)	2452.00	97.64	0.06

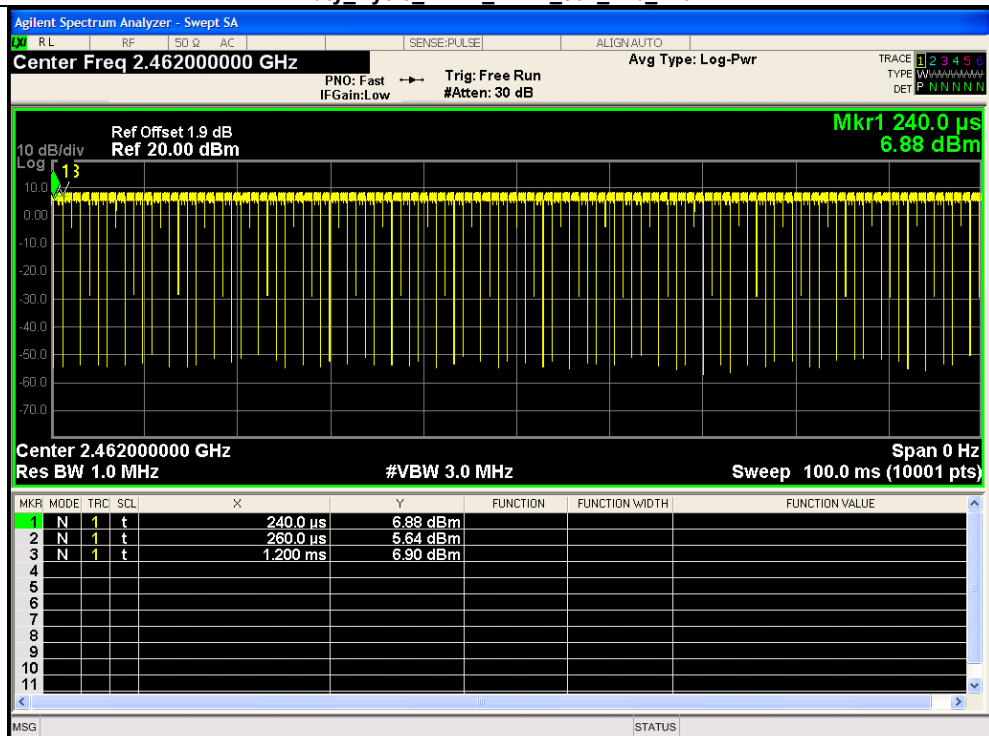
Duty Cycle NVNT_ANT1_802_11b_2412



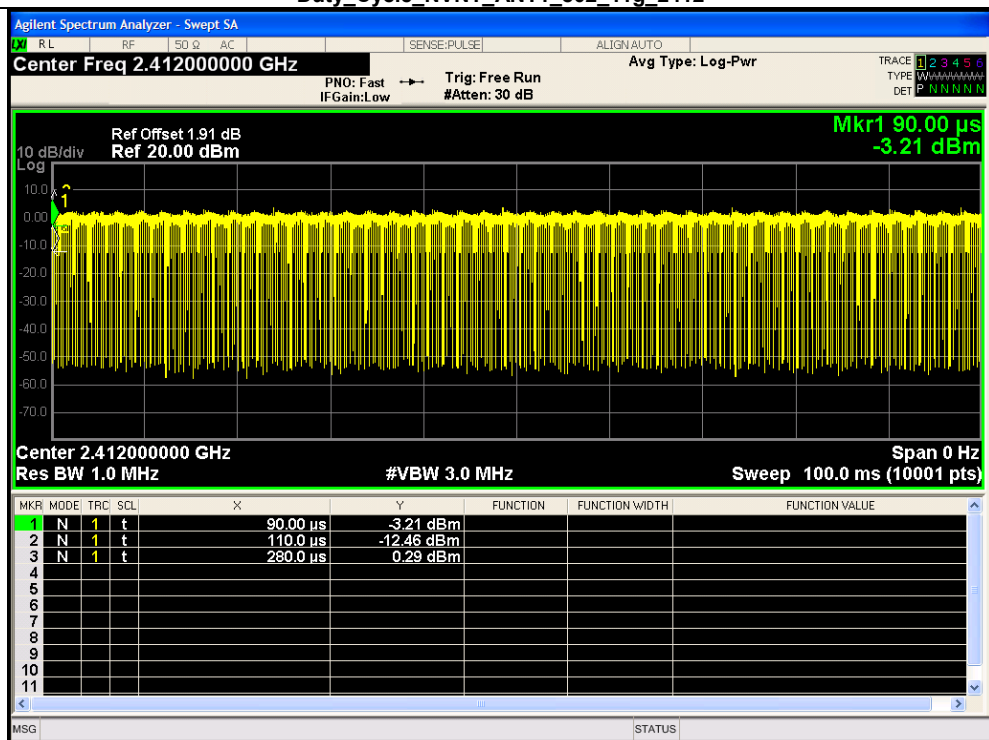
Duty Cycle NVNT_ANT1_802_11b_2437



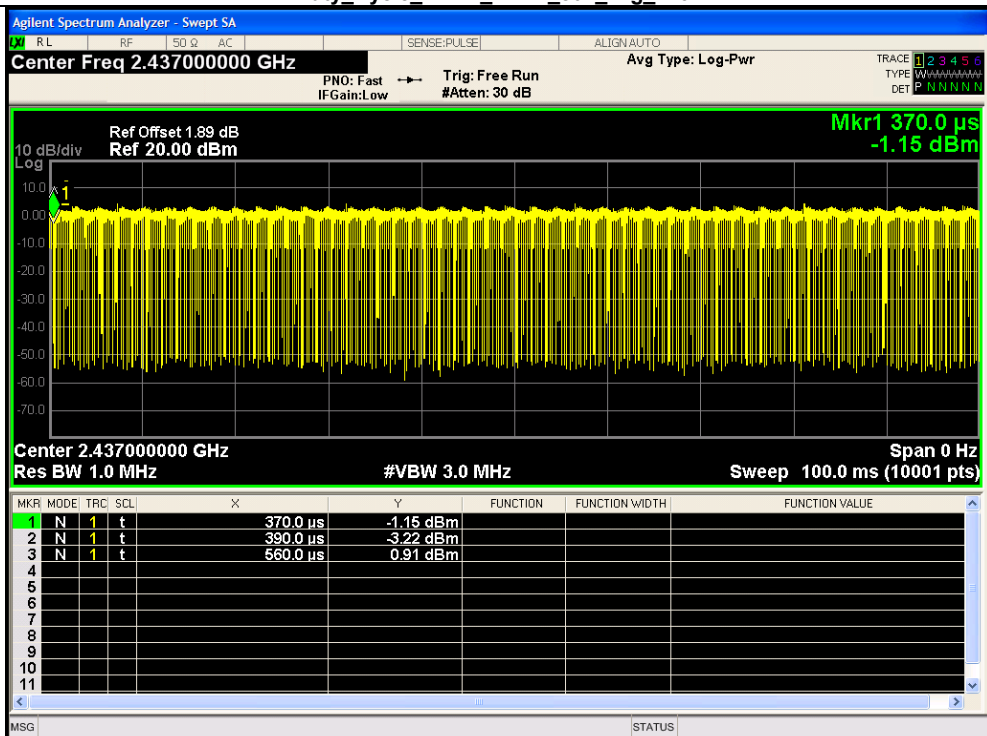
Duty Cycle NVNT_ANT1_802_11b_2462



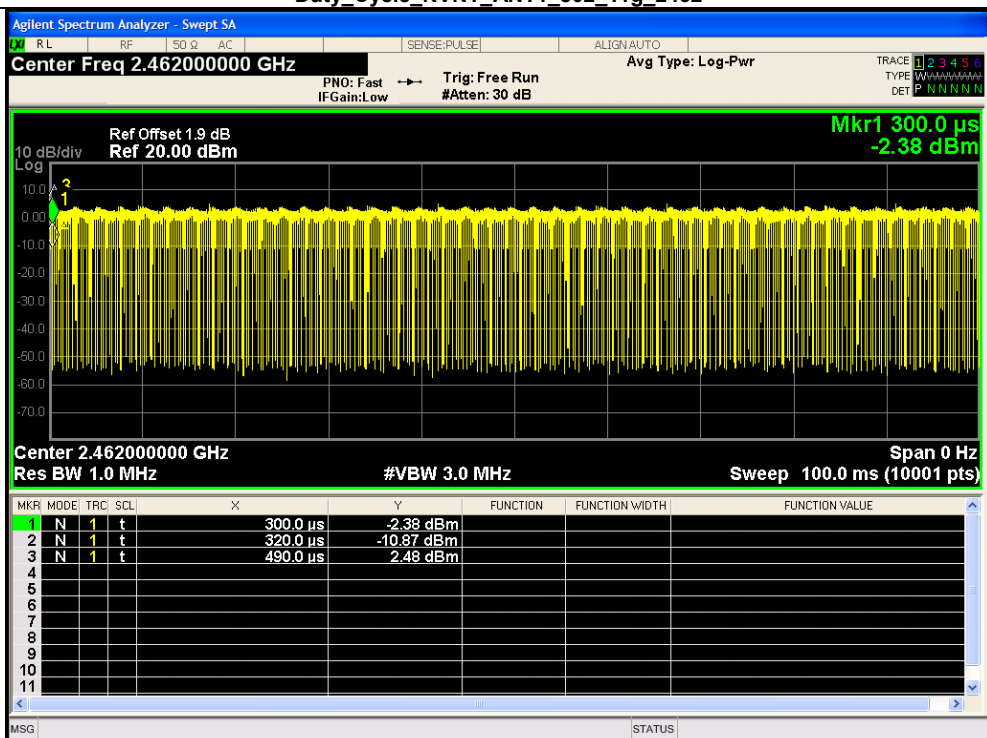
Duty Cycle NVNT_ANT1_802_11g_2412



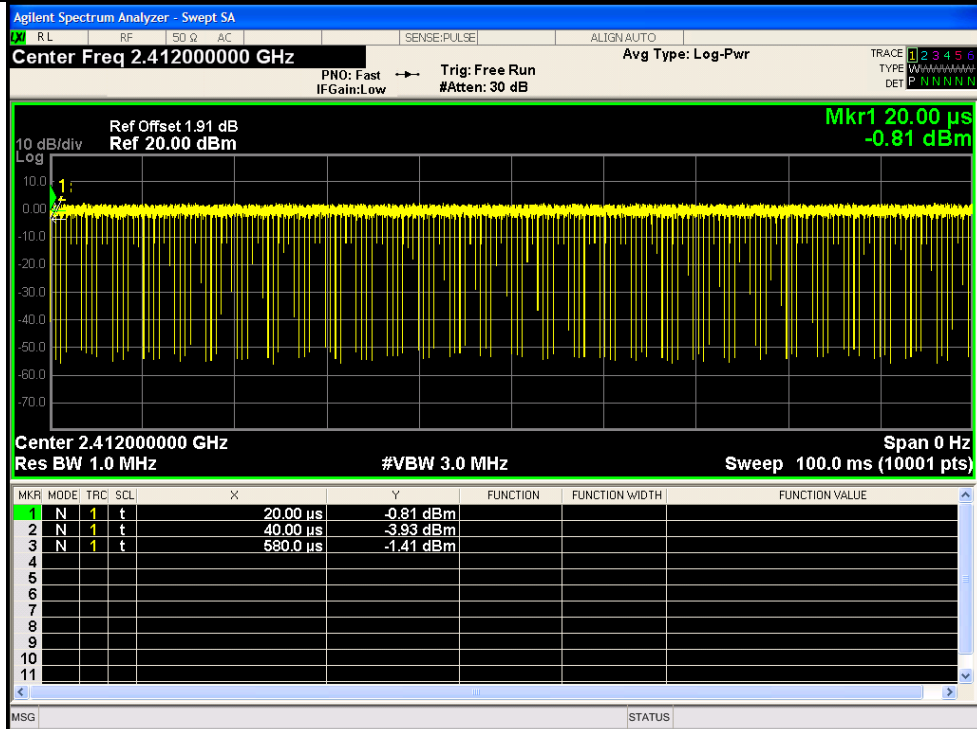
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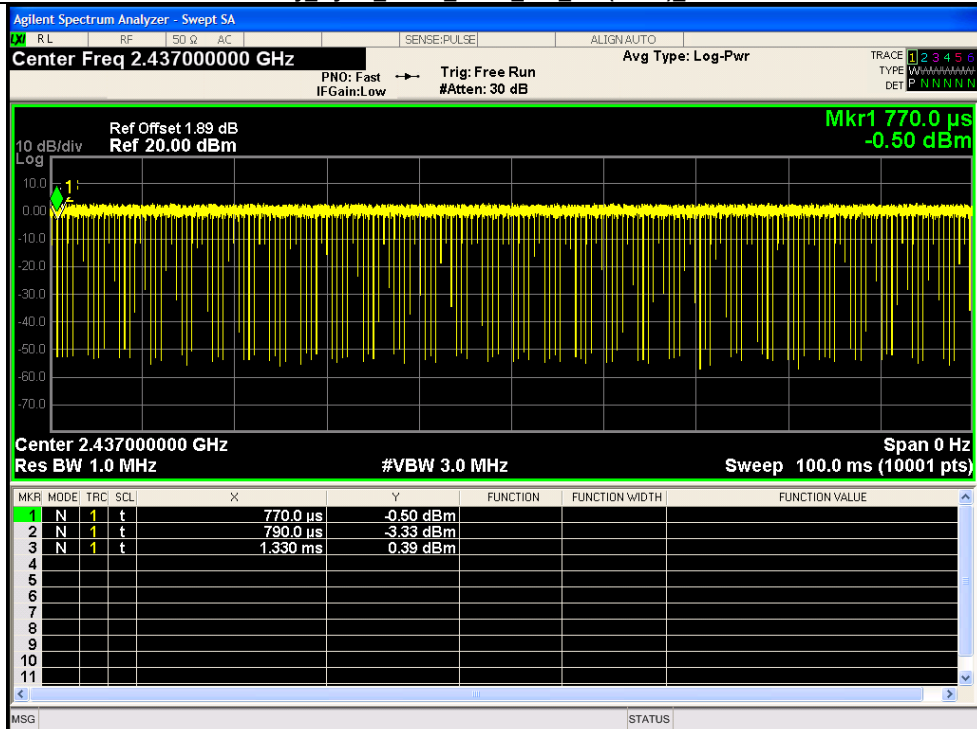
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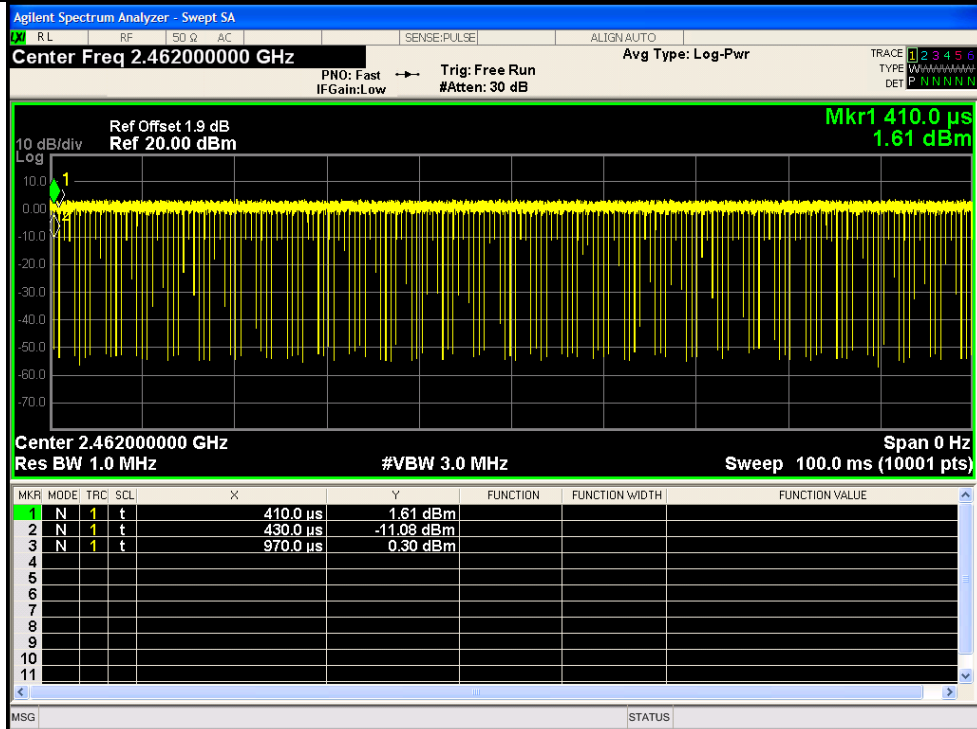
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



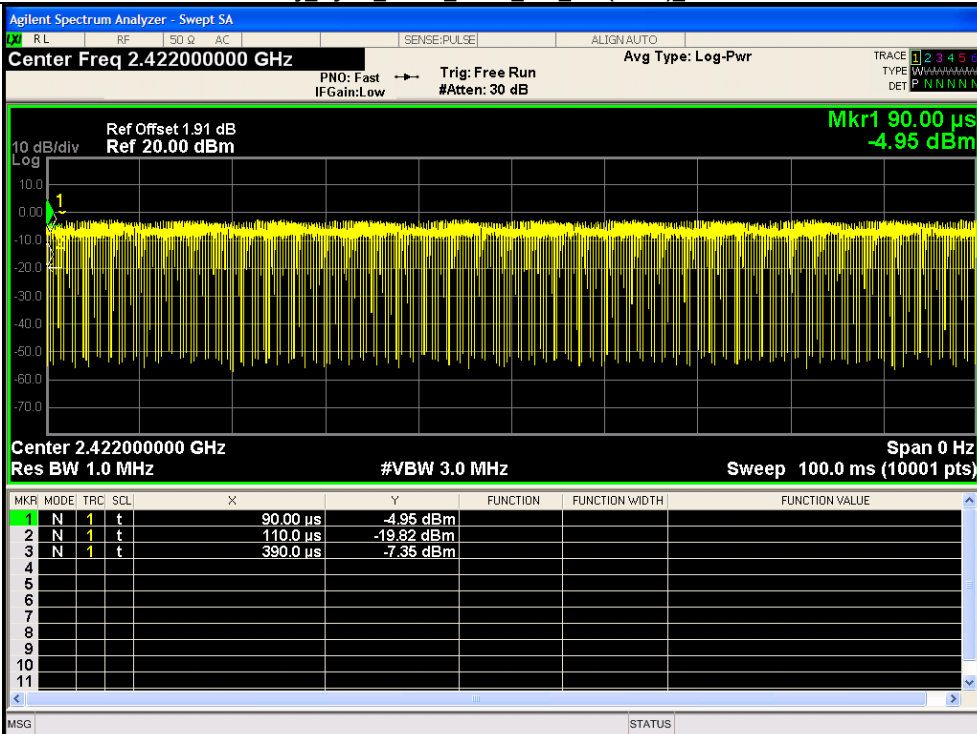
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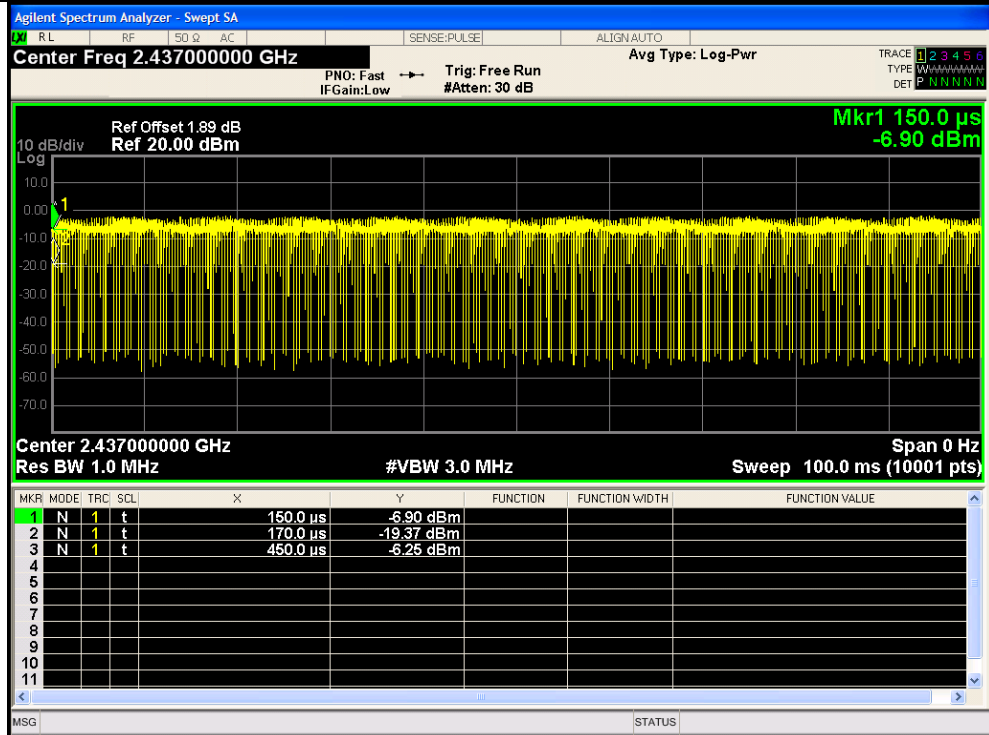
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



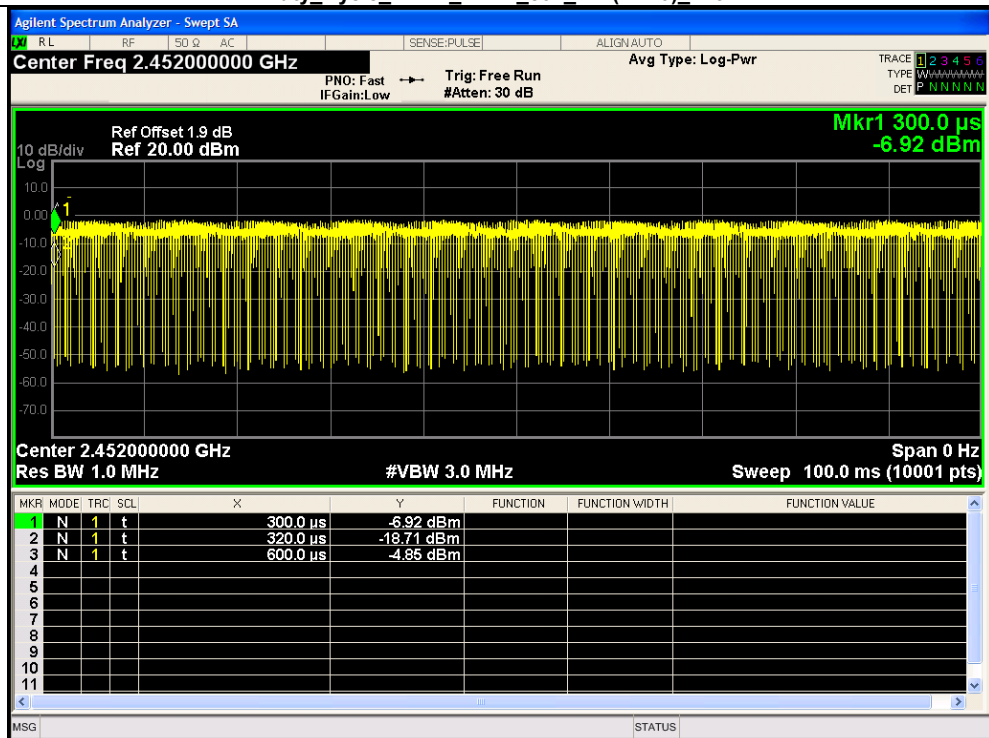
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



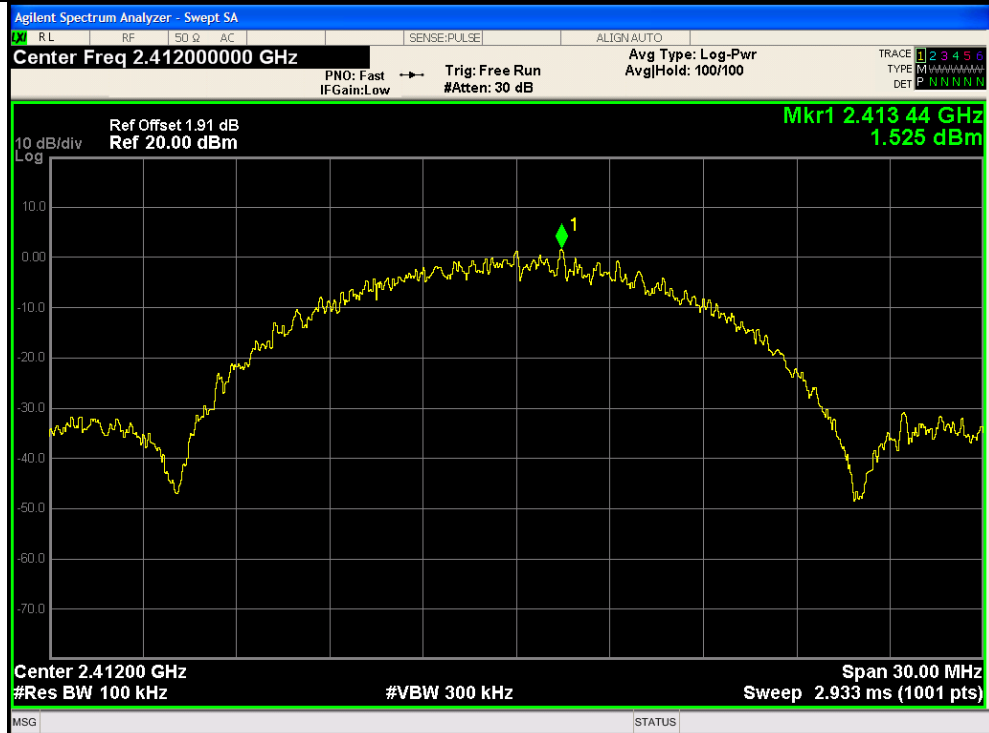
3. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	Conducted PSD(dBm/100kHz)	RB factor(dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	1.53	-15.23	-13.7	8	Pass
NVNT	ANT1	802.11b	2437.00	2.28	-15.23	-12.95	8	Pass
NVNT	ANT1	802.11b	2462.00	2.89	-15.23	-12.34	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.57	-15.23	-18.8	8	Pass
NVNT	ANT1	802.11g	2437.00	-3.13	-15.23	-18.36	8	Pass
NVNT	ANT1	802.11g	2462.00	-2.55	-15.23	-17.78	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.59	-15.23	-18.82	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.42	-15.23	-18.65	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.88	-15.23	-18.11	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-5.88	-15.23	-21.11	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-5.39	-15.23	-20.62	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-5.04	-15.23	-20.27	8	Pass

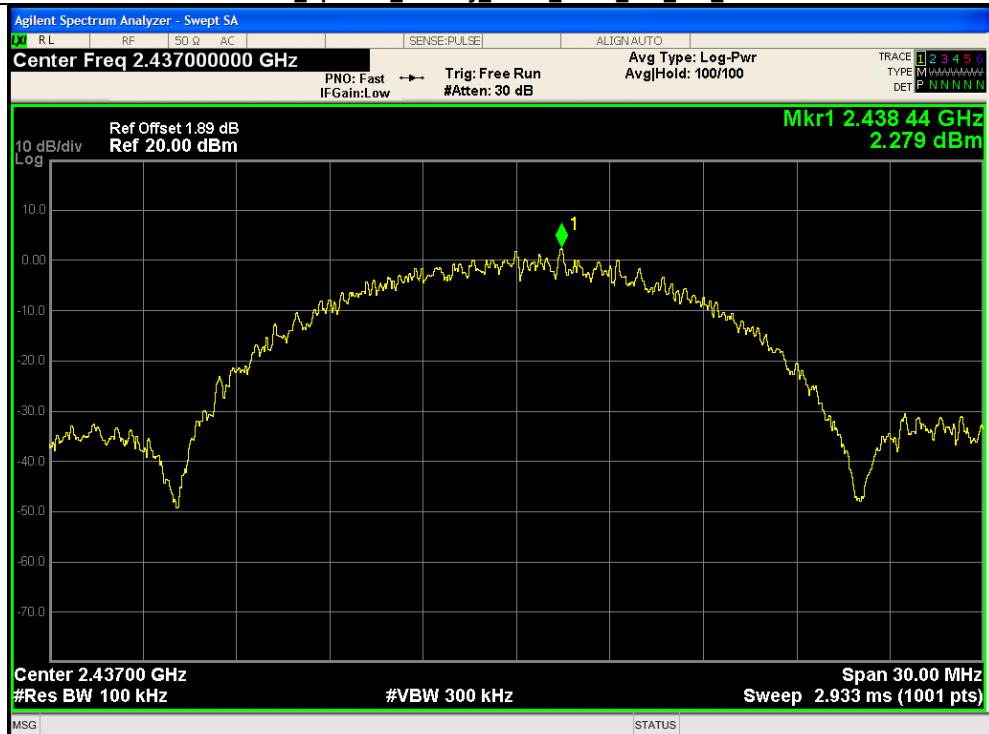
Remark:

RB factor = $10 \cdot \log(\text{RBW}(\text{measure}) / \text{RBW}(\text{ref}))$

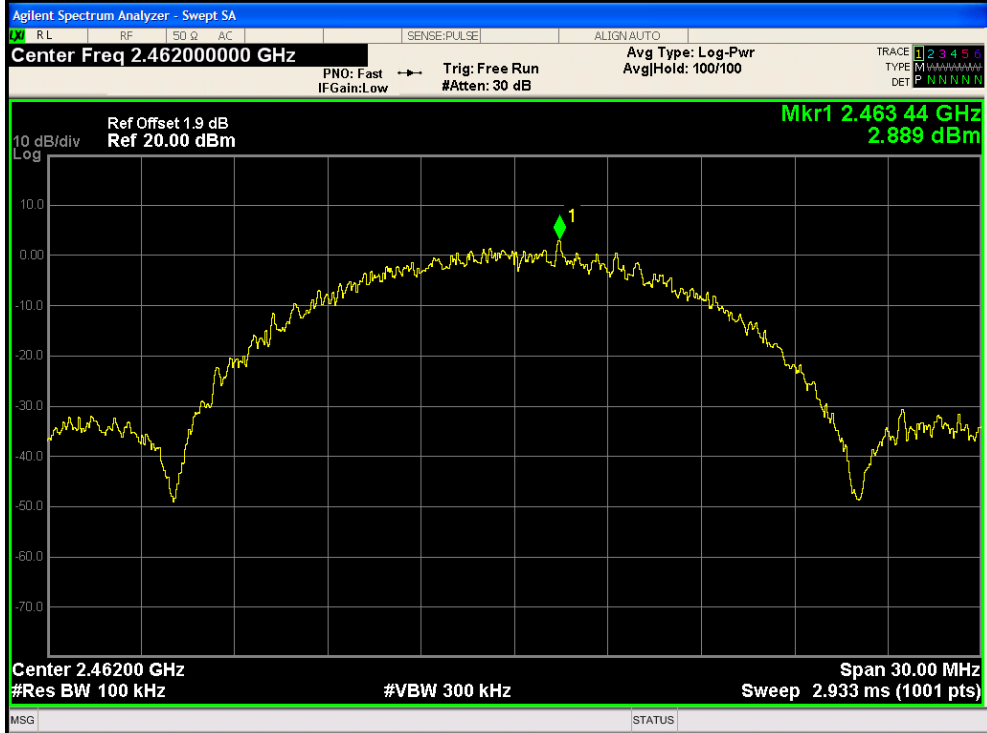
Power Spectral Density NVNT_ANT1_802_11b_2412



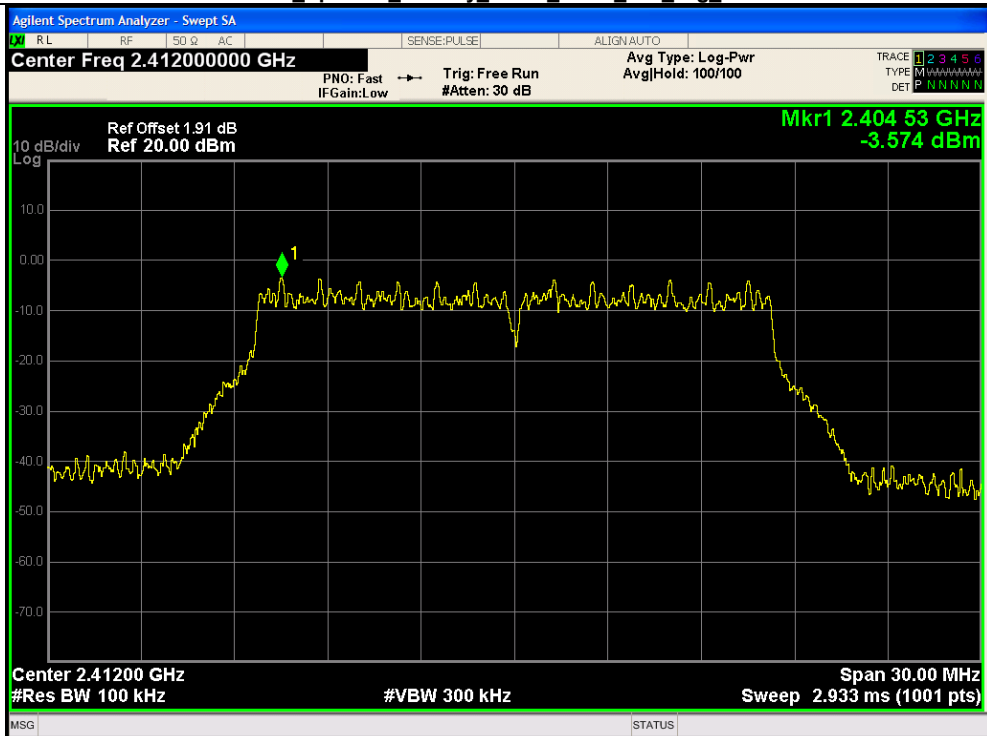
Power Spectral Density NVNT_ANT1_802_11b_2437



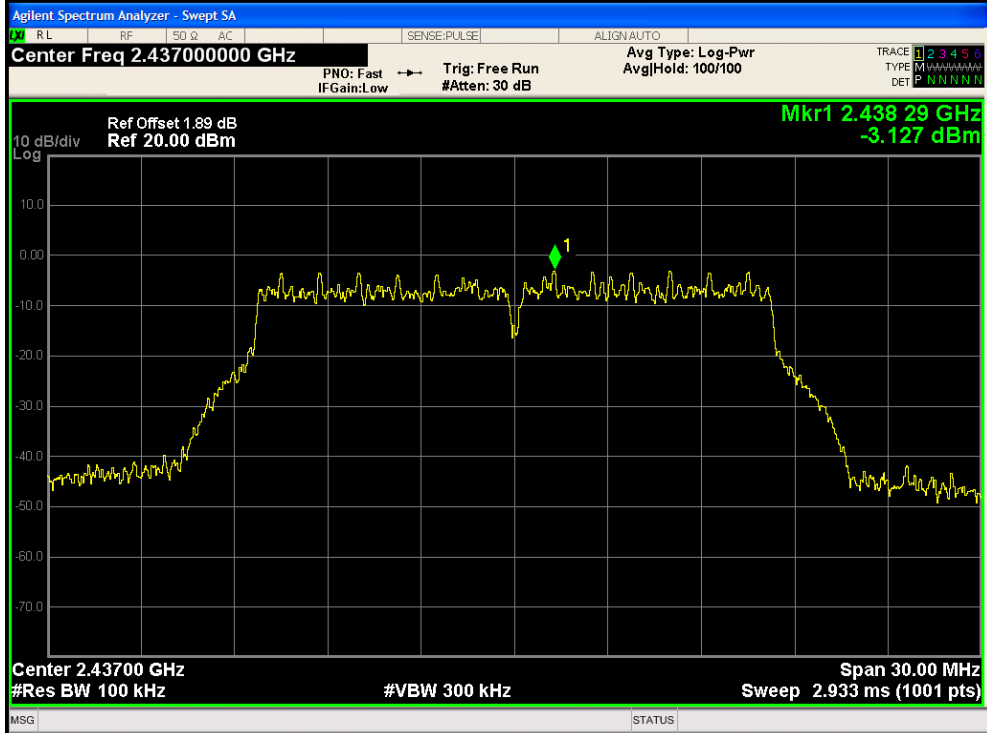
Power Spectral Density NVNT_ANT1_802_11b_2462



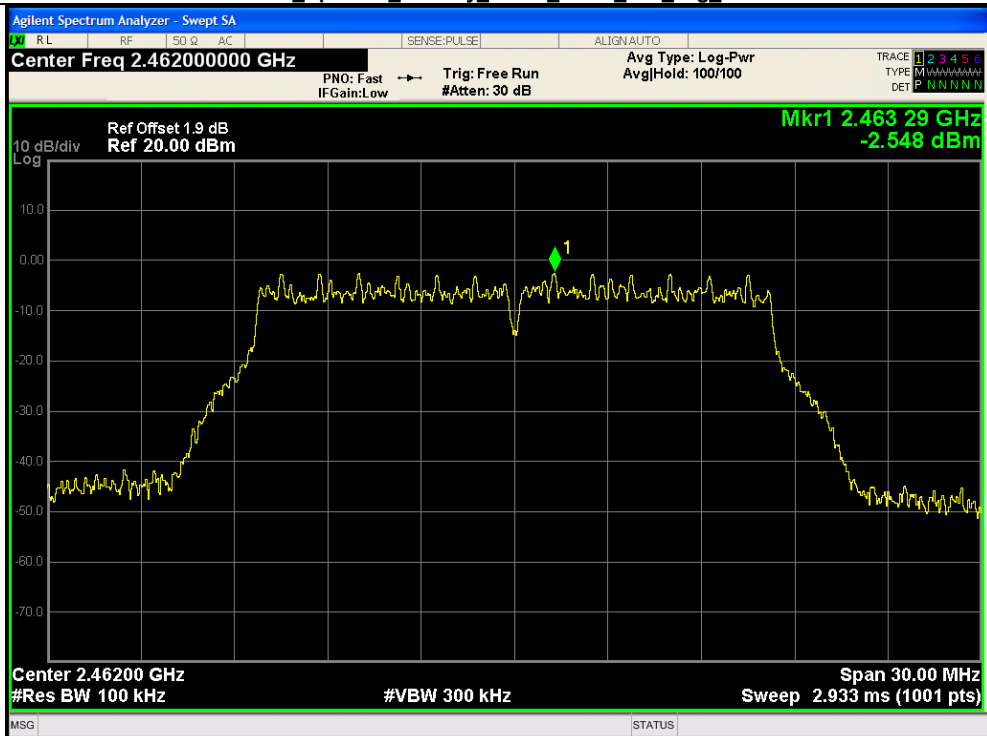
Power Spectral Density NVNT_ANT1_802_11g_2412



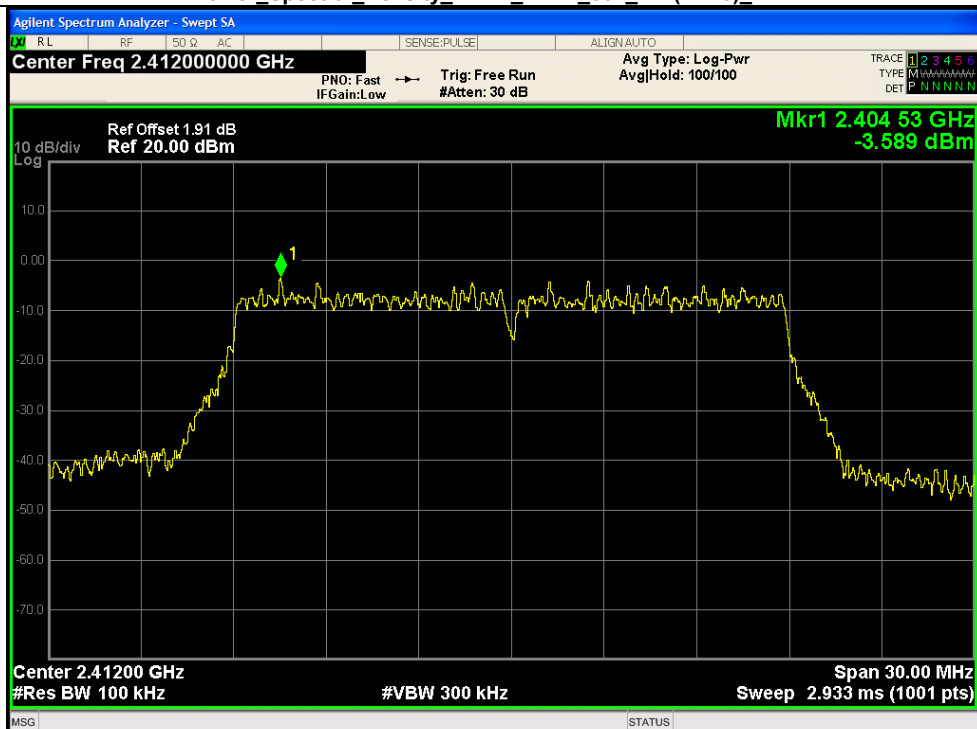
Power Spectral Density NVNT_ANT1_802_11g_2437



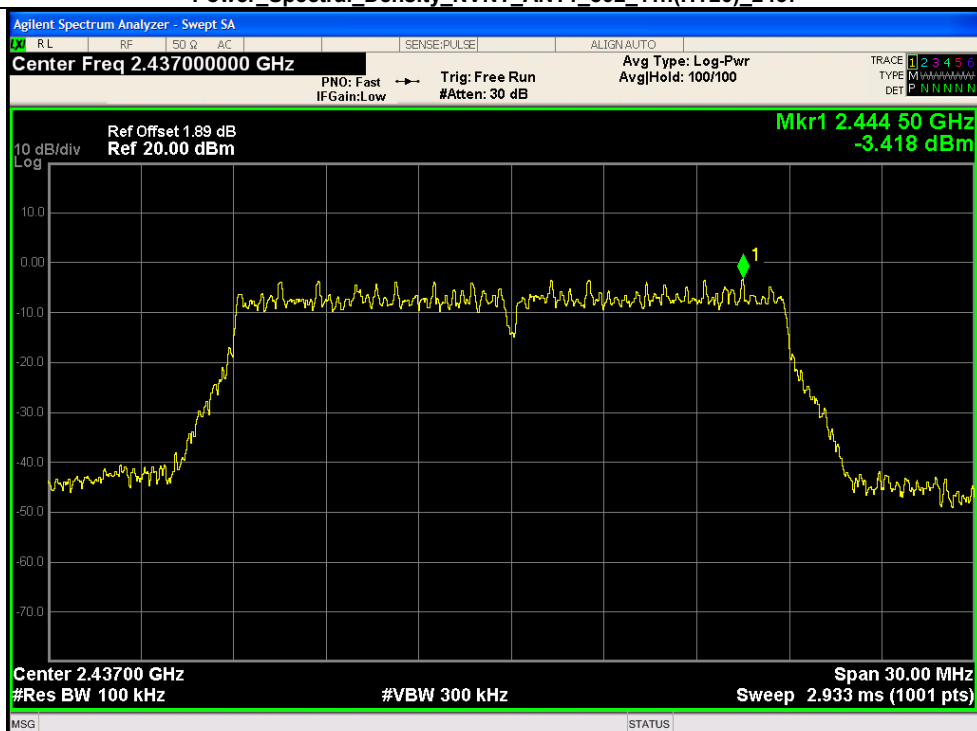
Power Spectral Density NVNT_ANT1_802_11g_2462



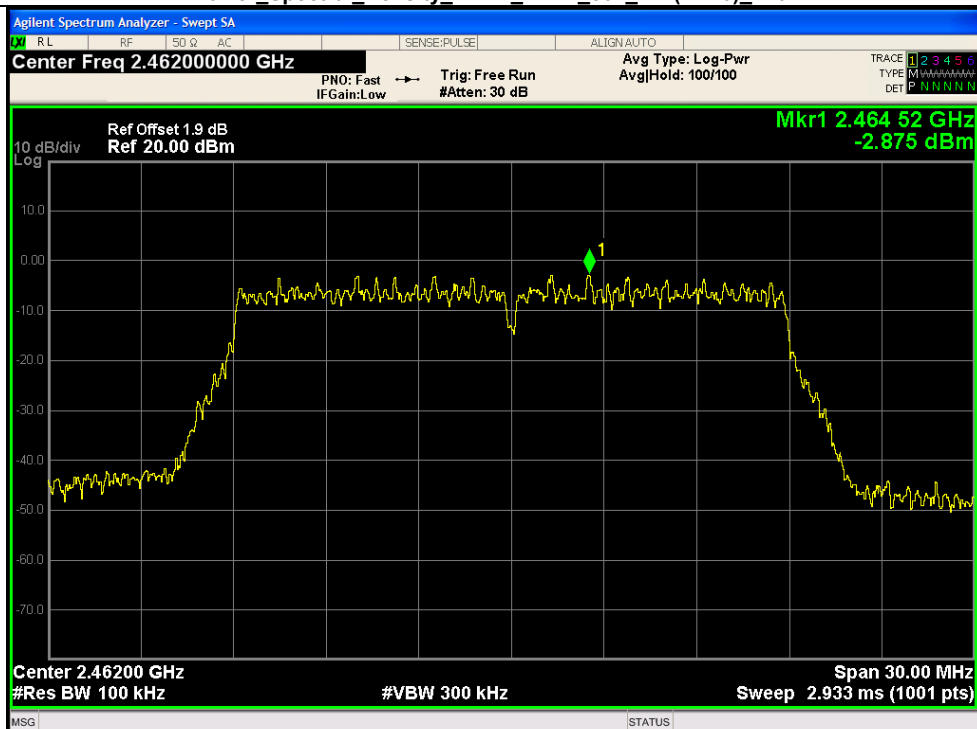
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2412



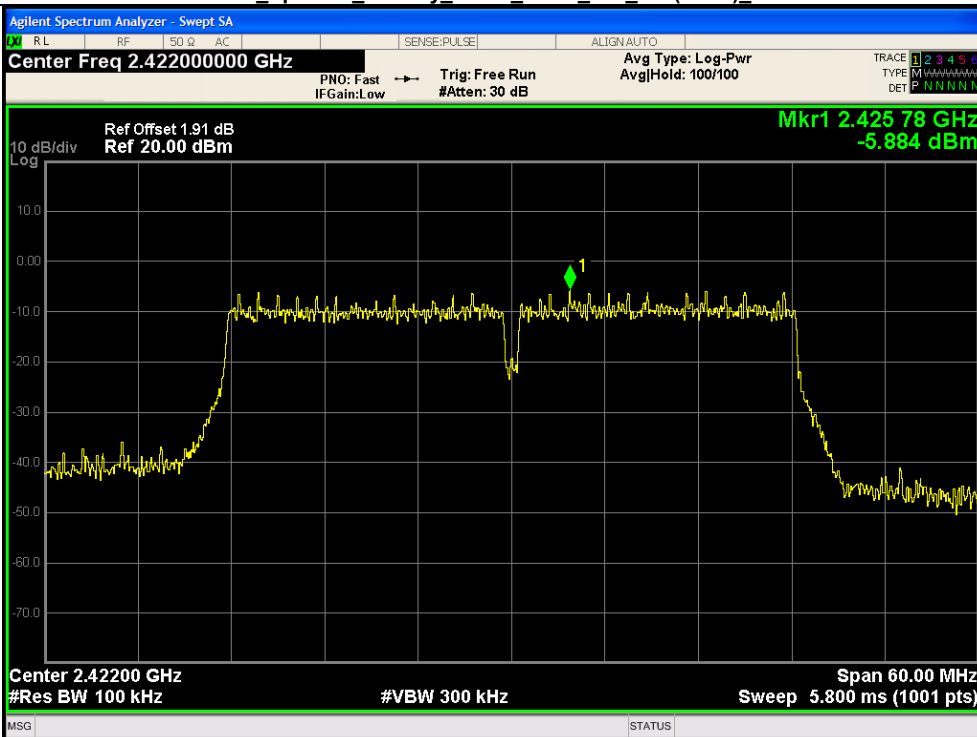
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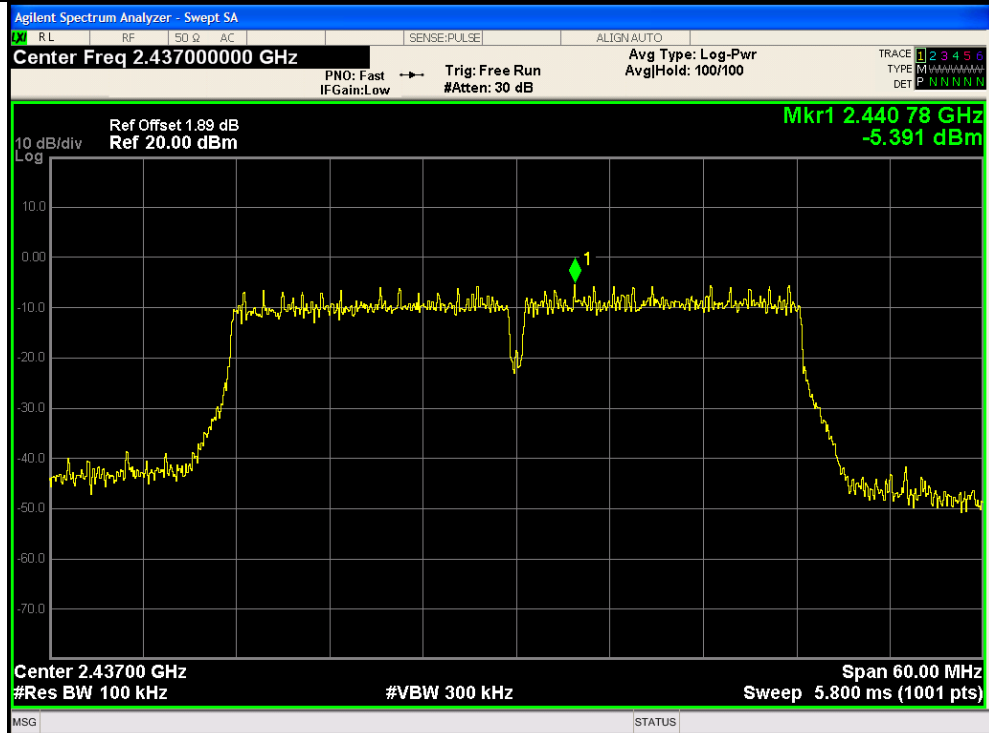
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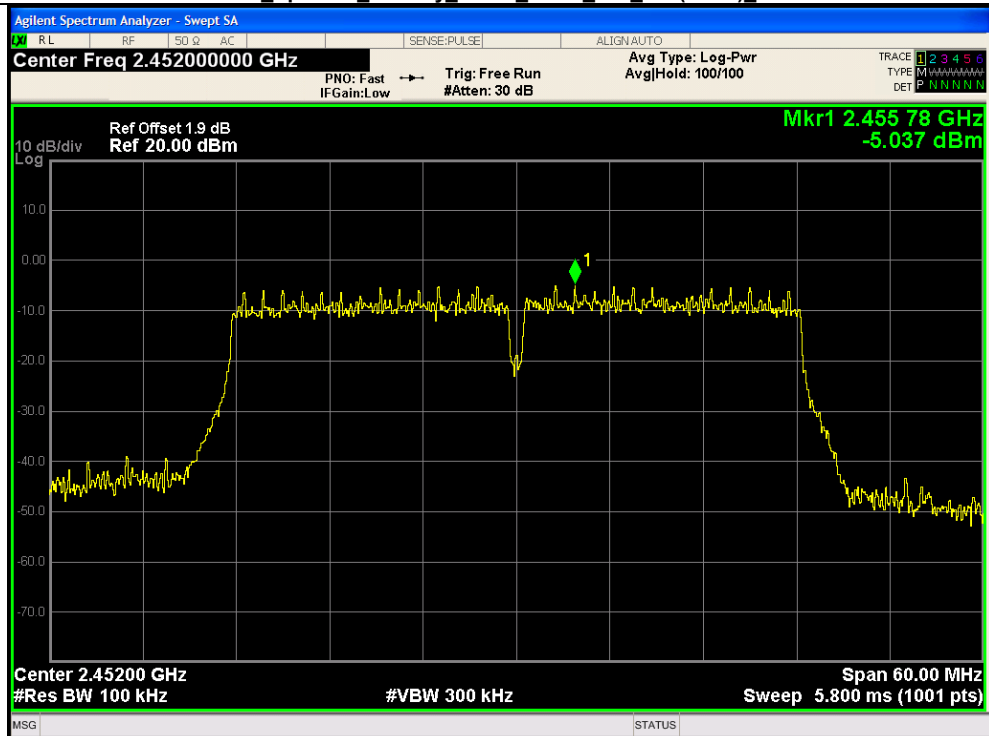
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2437

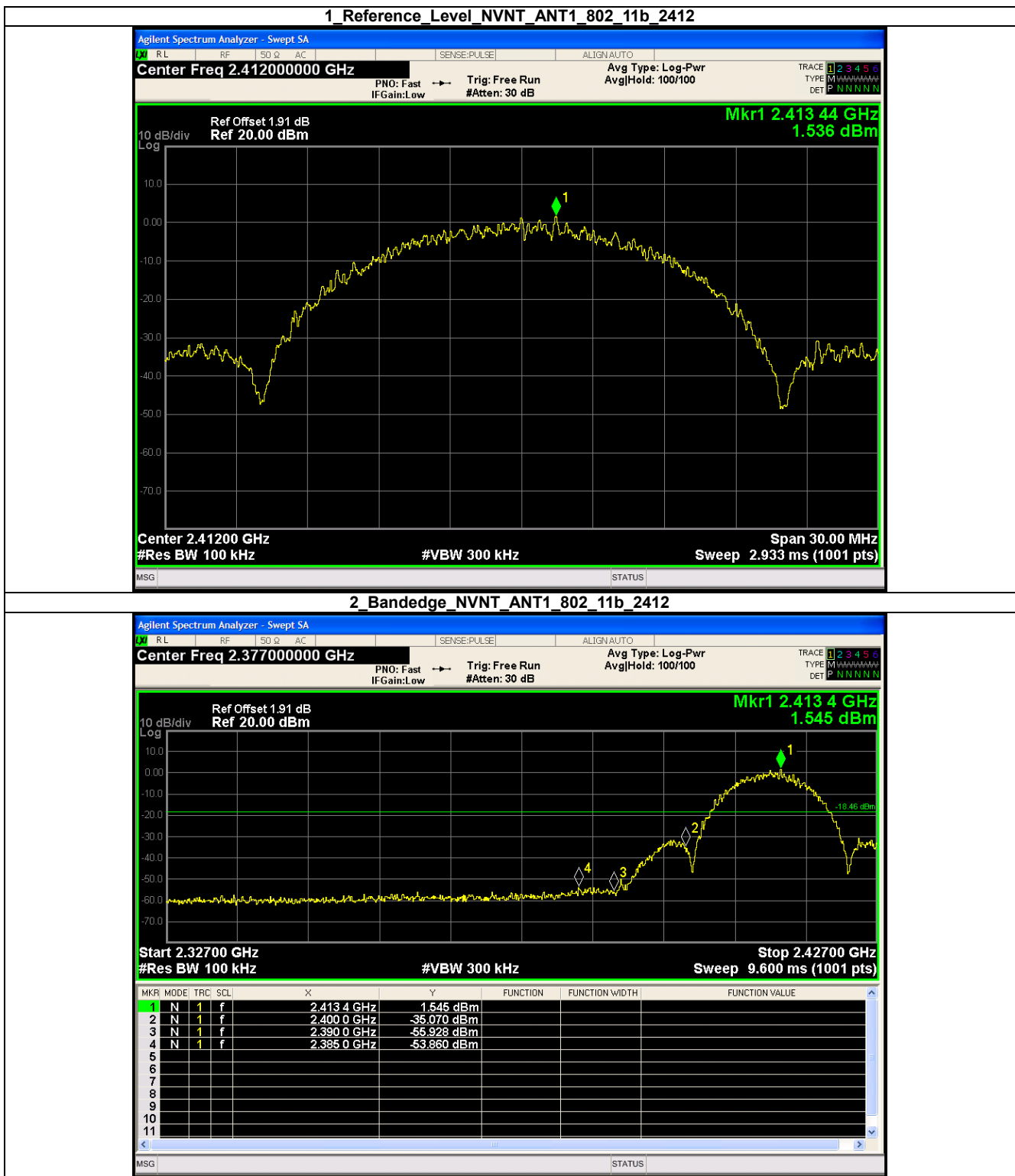


Power Spectral Density NVNT_ANT1_802_11n(HT40)_2452

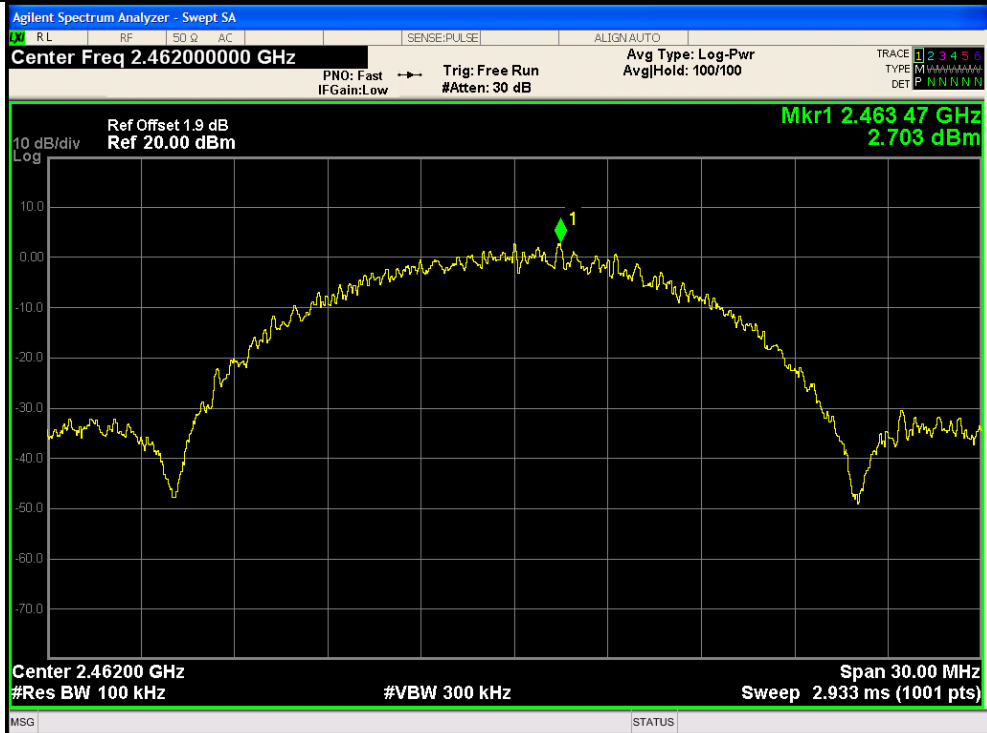


4. Band edge

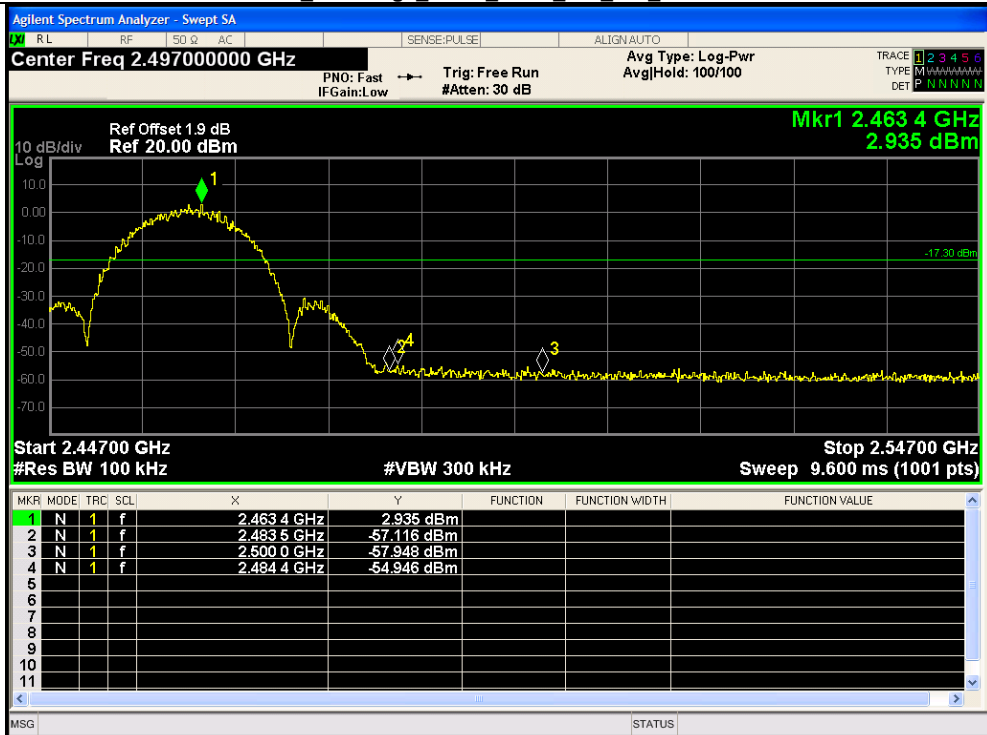
All the modes have tested and recorded the worst mode (802.11b) in the report.



1 Reference_Level_NVNT_ANT1_802_11b_2462

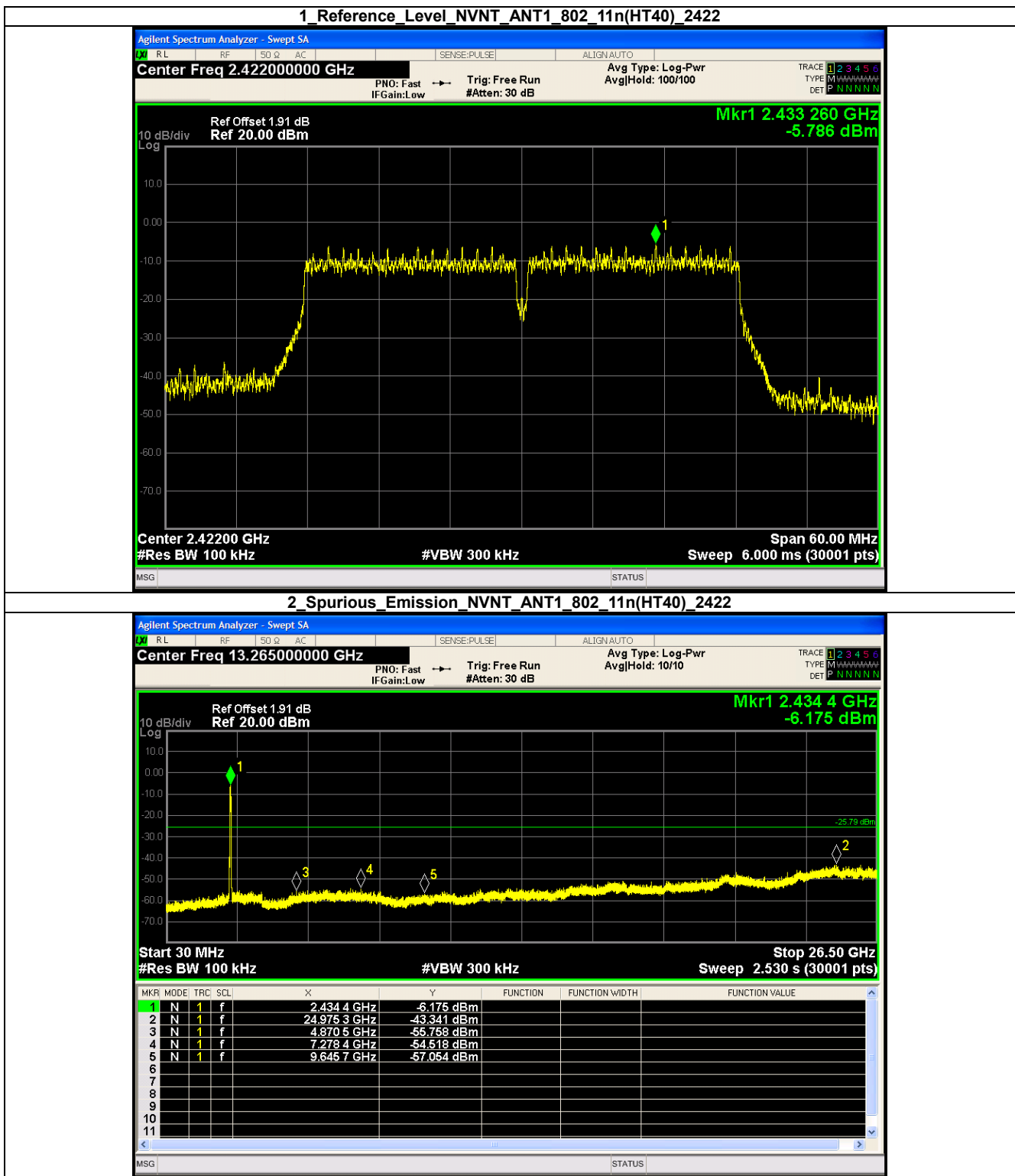


2 Bandedge_NVNT_ANT1_802_11b_2462

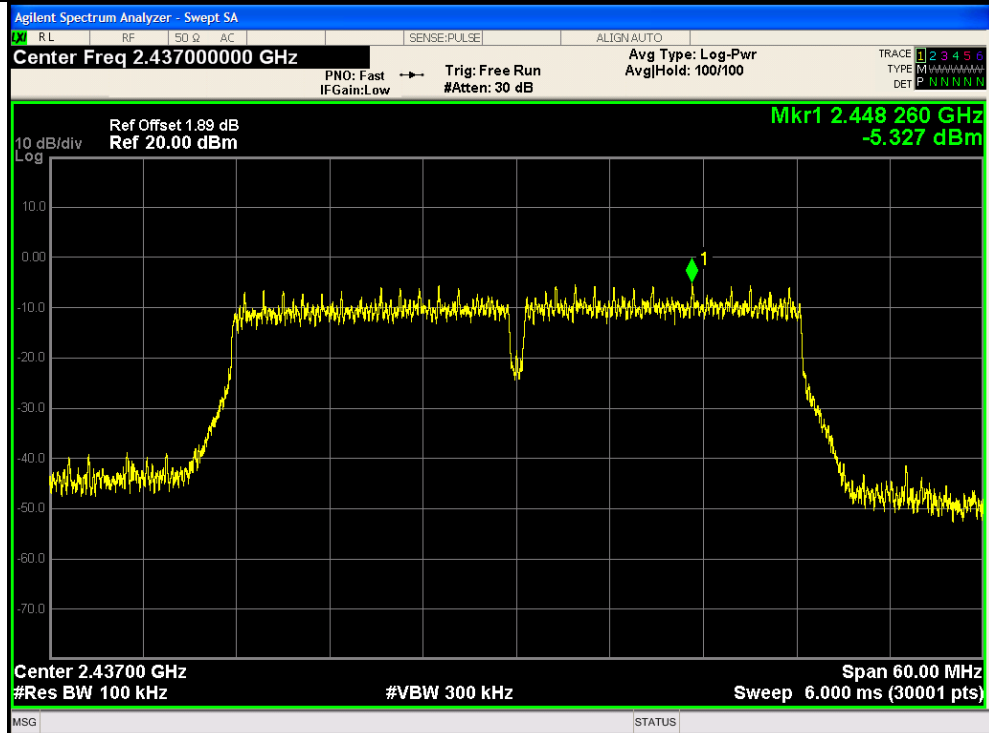


5. Spurious Emission

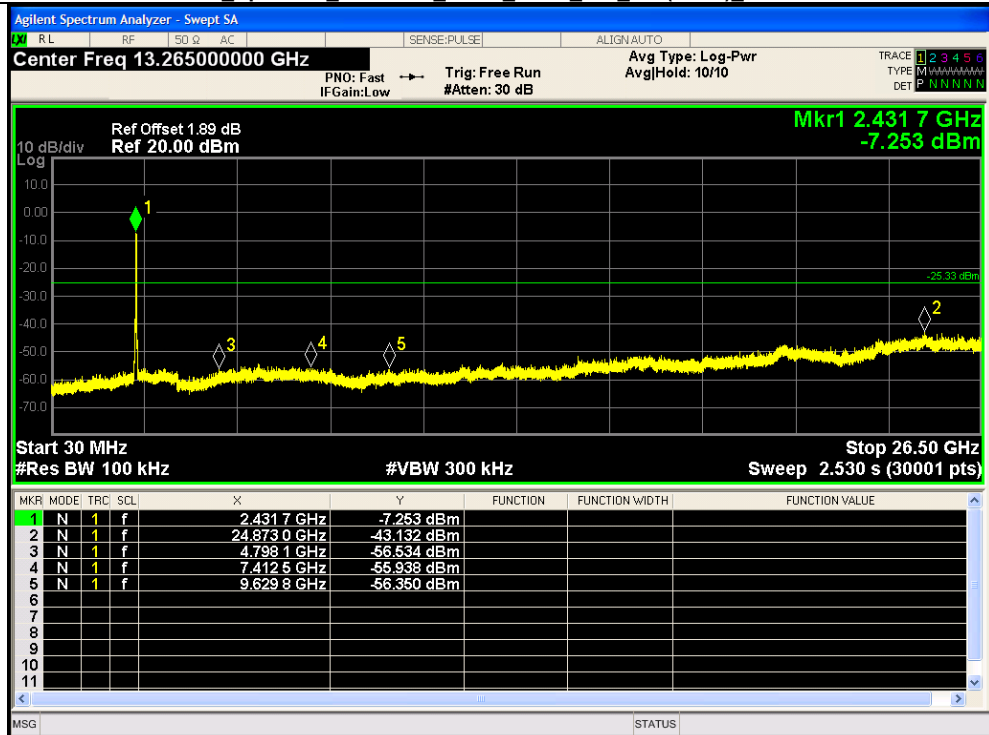
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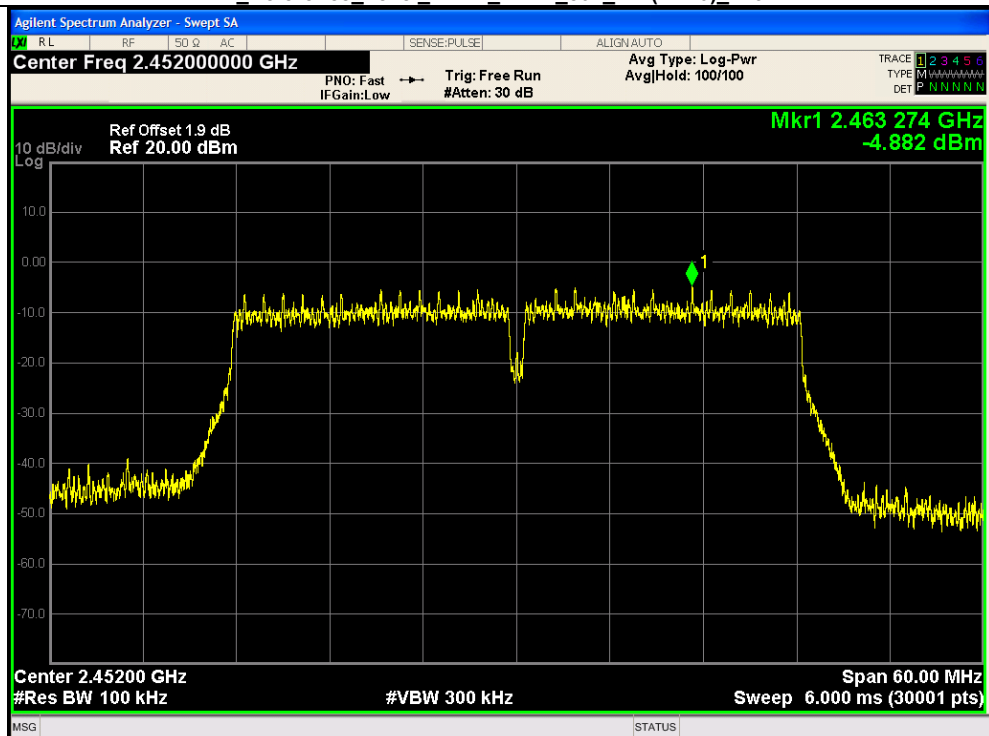
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2437



2 Spurious Emission_NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452



2 Spurious Emission_NVNT_ANT1_802_11n(HT40)_2452

