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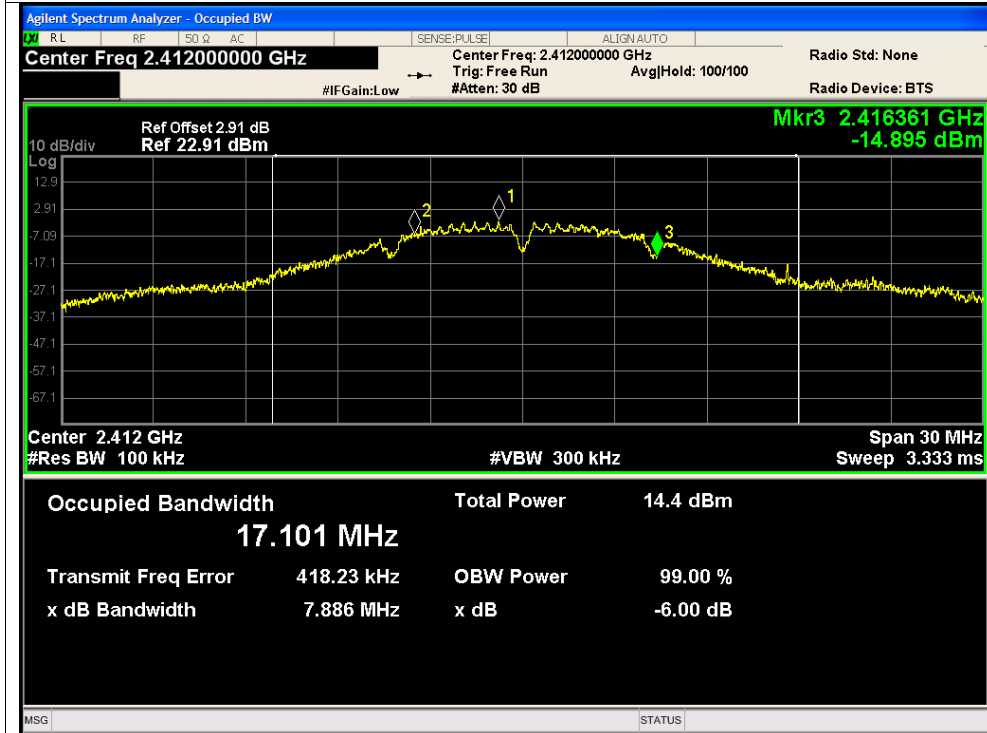
FCC ID: 2BHCJ-WPA1W

FCC_2.4G_WIFI (Part15.247) Test Data

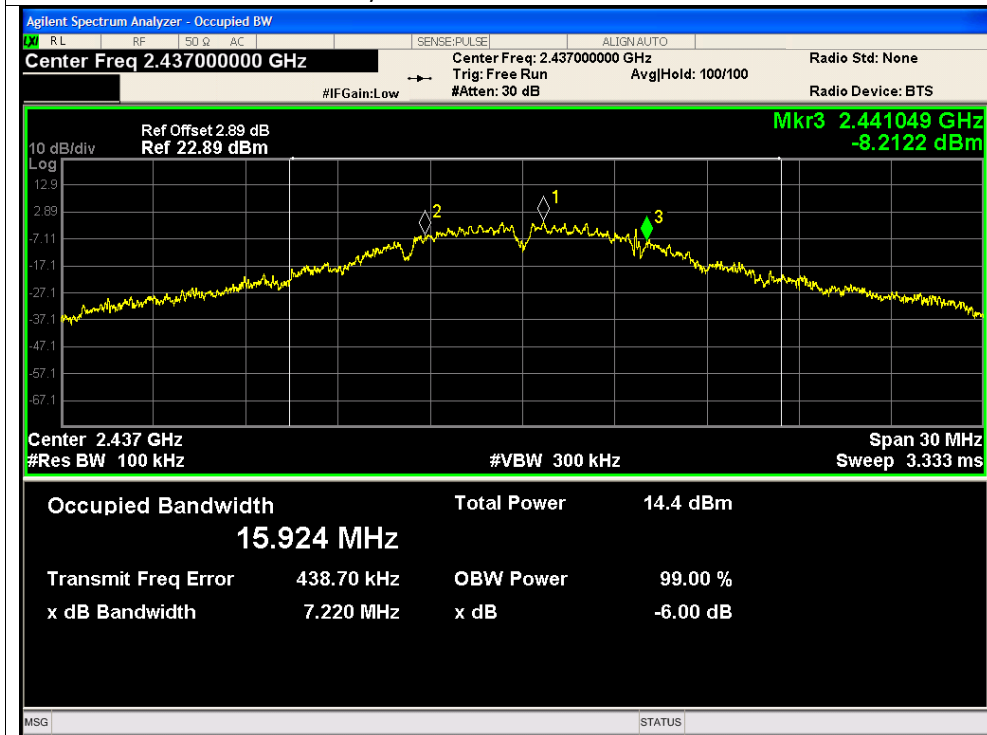
1. -6dB Bandwidth & 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6dB Bandwidth (kHz)	99% Bandwidth (MHz)	Result
NVNT	ANT1	802.11b	2412.00	7.886	500	17.101	Pass
NVNT	ANT1	802.11b	2437.00	7.220	500	15.924	Pass
NVNT	ANT1	802.11b	2462.00	6.912	500	16.271	Pass
NVNT	ANT1	802.11g	2412.00	16.352	500	16.450	Pass
NVNT	ANT1	802.11g	2437.00	16.048	500	16.459	Pass
NVNT	ANT1	802.11g	2462.00	16.393	500	16.442	Pass
NVNT	ANT1	802.11n(HT20)	2422.00	17.491	500	17.699	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.141	500	17.688	Pass
NVNT	ANT1	802.11n(HT20)	2452.00	16.466	500	17.671	Pass

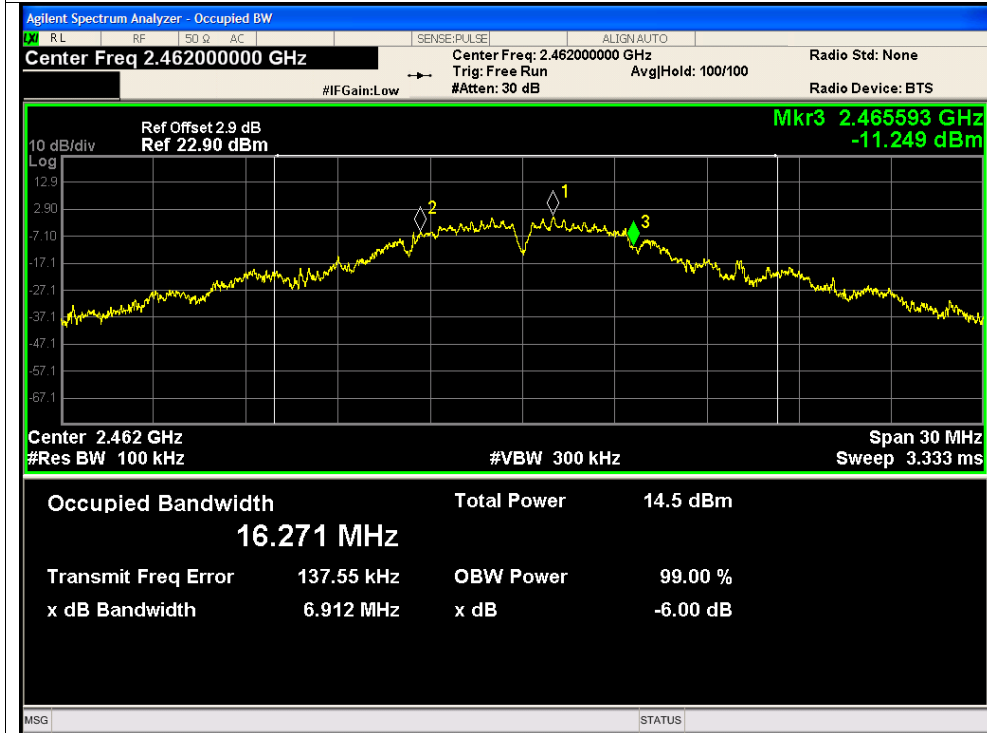
-6dB Bandwidth / 99% Bandwidth NVNT b 2412MHz Ant1



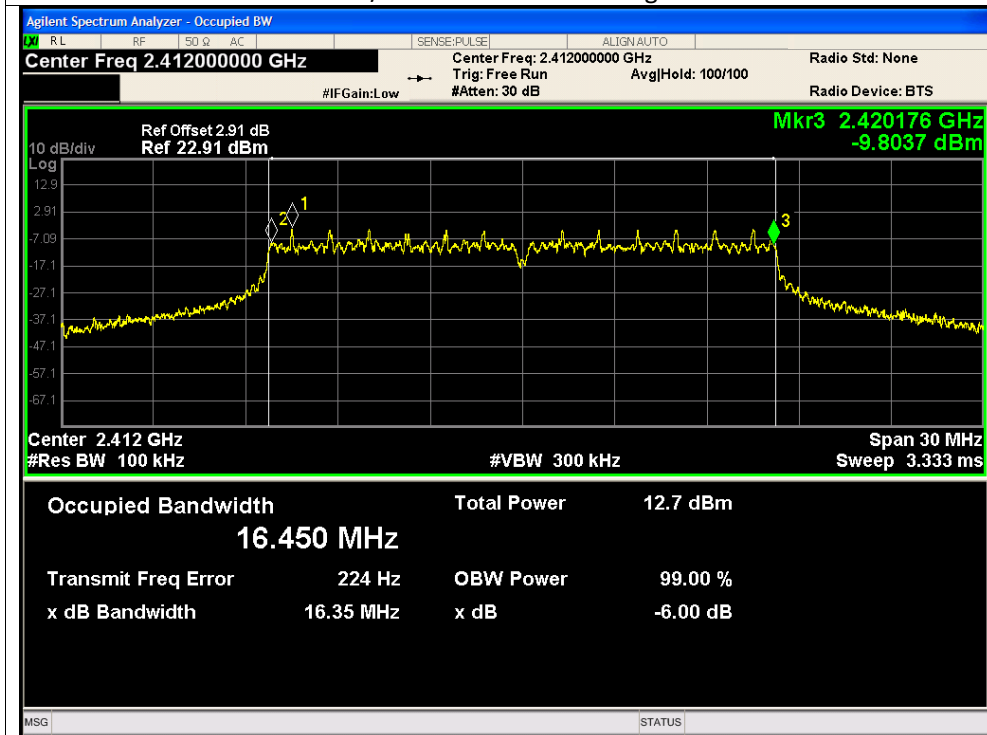
-6dB Bandwidth / 99% Bandwidth NVNT b 2437MHz Ant1



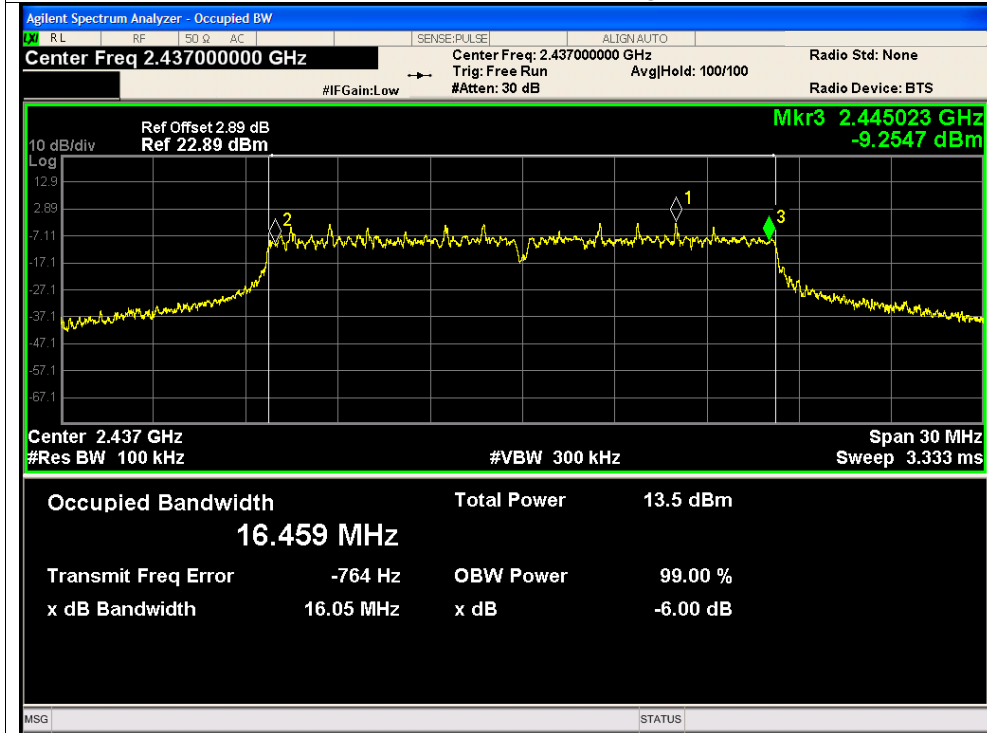
-6dB Bandwidth / 99% Bandwidth NVNT b 2462MHz Ant1



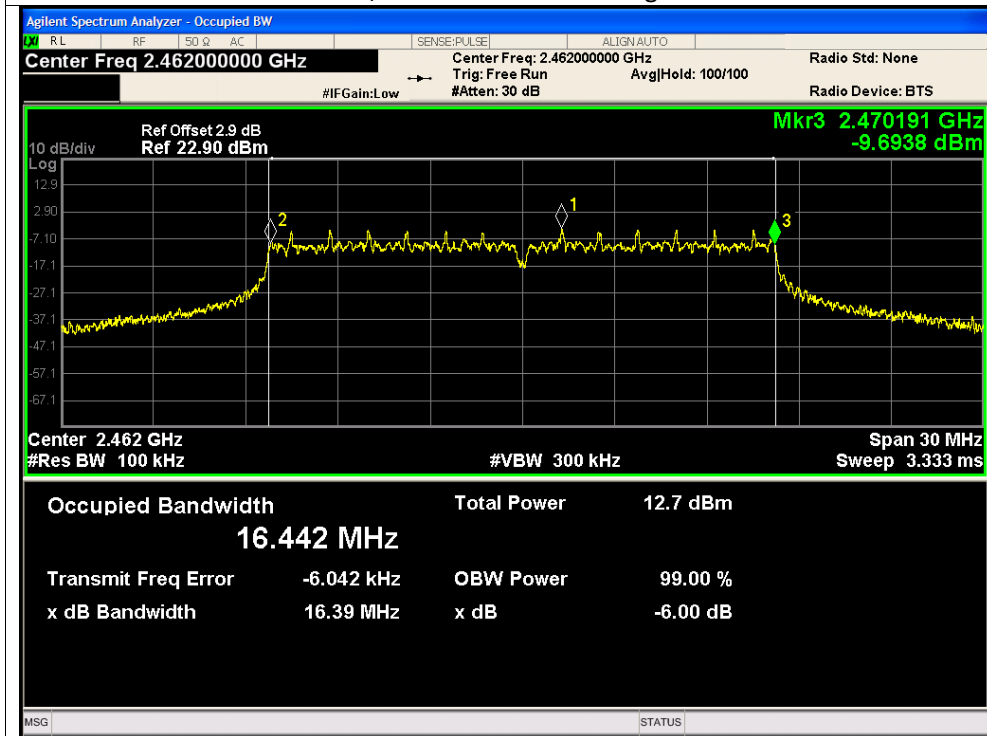
-6dB Bandwidth / 99% Bandwidth NVNT g 2412MHz Ant1



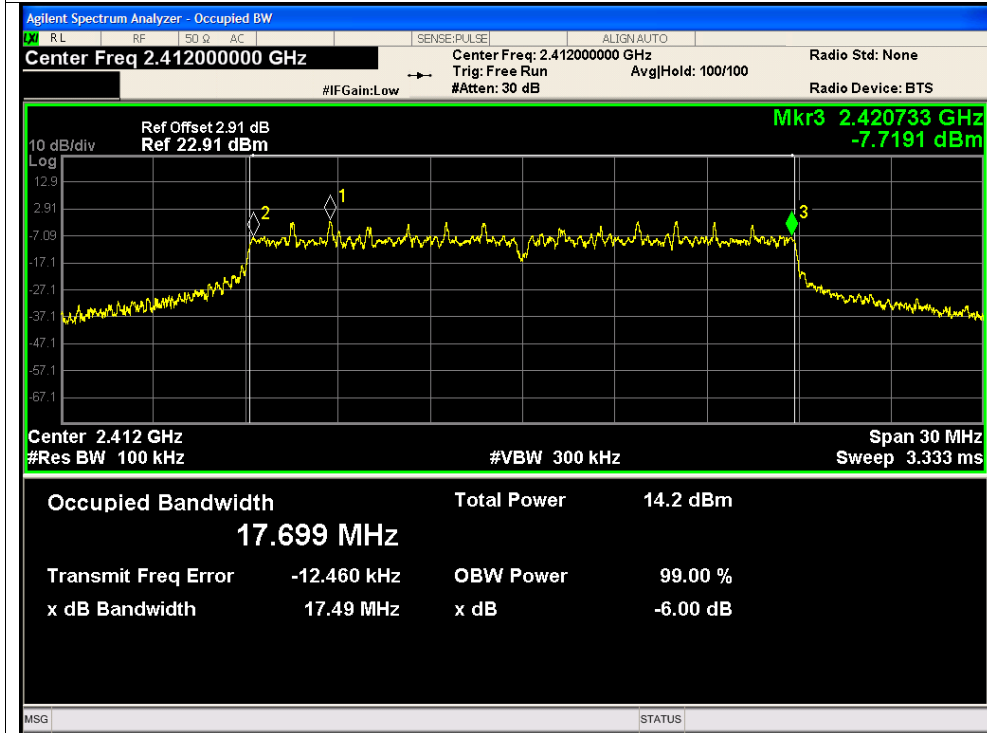
-6dB Bandwidth / 99% Bandwidth NVNT g 2437MHz Ant1



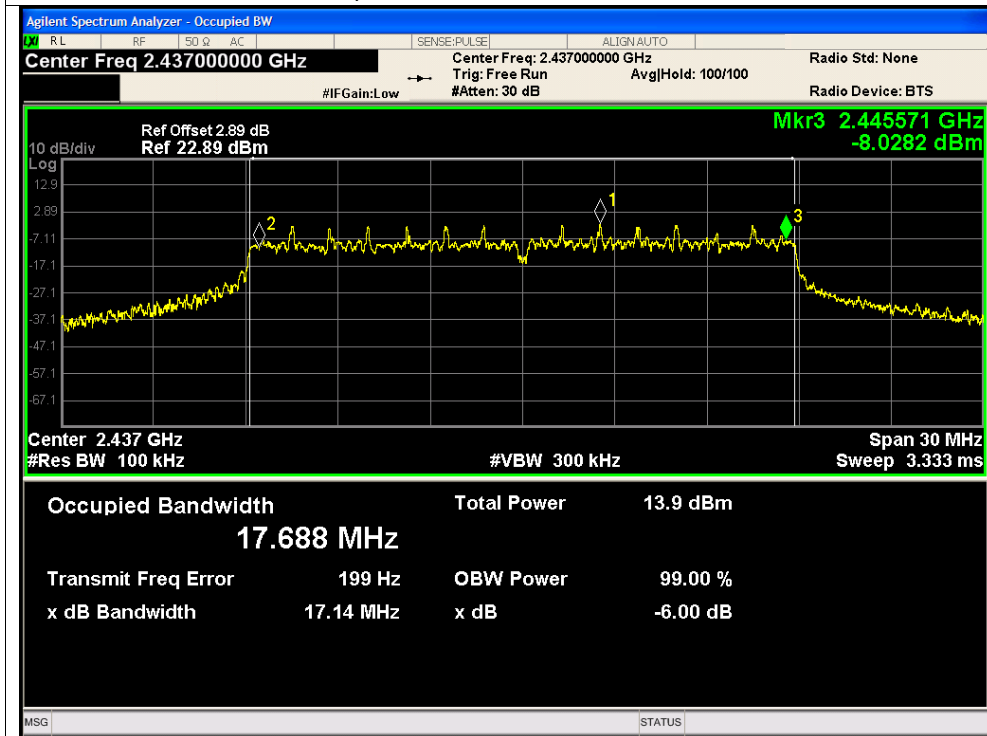
-6dB Bandwidth / 99% Bandwidth NVNT g 2462MHz Ant1



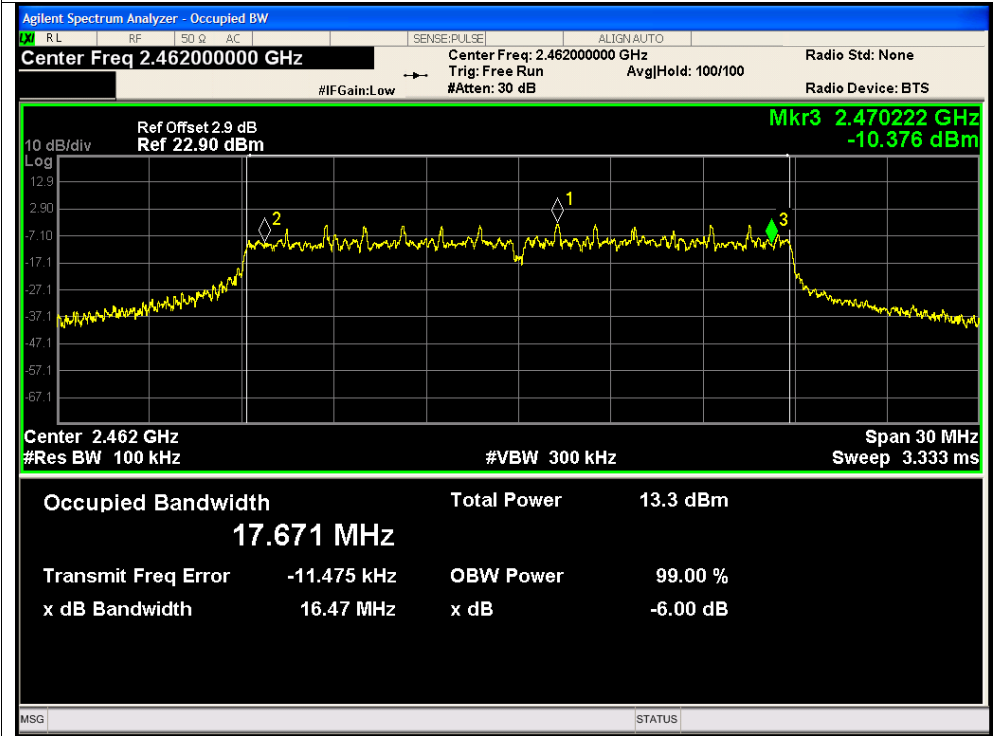
-6dB Bandwidth / 99% Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth / 99% Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth / 99% Bandwidth NVNT n20 2462MHz Ant1



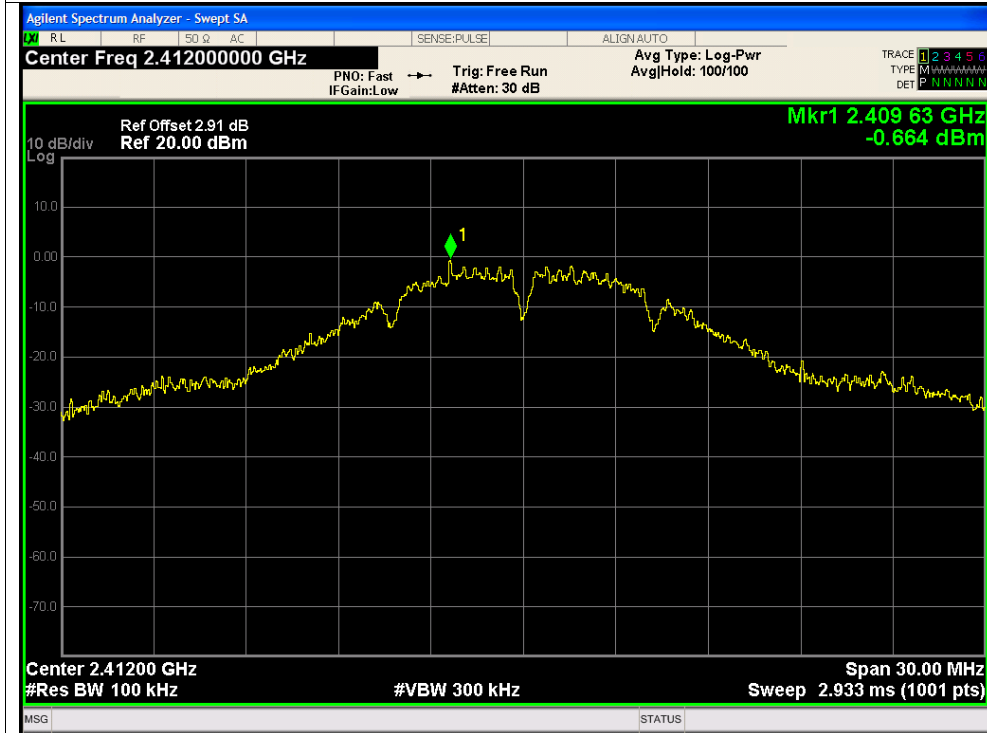
2. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD (dBm/100kHz)	RB factor(dB)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412	-0.66	-15.23	-15.89	8	Pass
NVNT	ANT1	802.11b	2437	-0.75	-15.23	-15.98	8	Pass
NVNT	ANT1	802.11b	2462	-0.27	-15.23	-15.50	8	Pass
NVNT	ANT1	802.11g	2412	-3.41	-15.23	-18.64	8	Pass
NVNT	ANT1	802.11g	2437	-2.27	-15.23	-17.50	8	Pass
NVNT	ANT1	802.11g	2462	-3.31	-15.23	-18.54	8	Pass
NVNT	ANT1	802.11n(HT20)	2412	-1.67	-15.23	-16.90	8	Pass
NVNT	ANT1	802.11n(HT20)	2437	-1.76	-15.23	-16.99	8	Pass
NVNT	ANT1	802.11n(HT20)	2462	-2.86	-15.23	-18.09	8	Pass

Remark:

$RB\ factor = 10 * \log(RBW(measure) / RBW(ref))$

PSD NVNT b 2412MHz Ant1



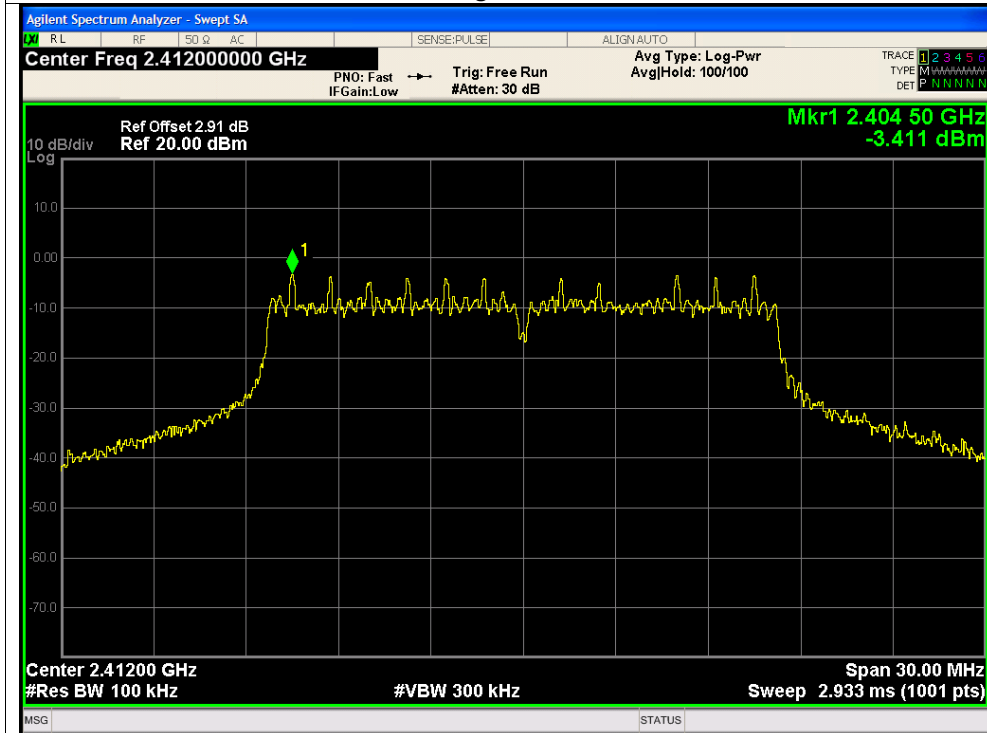
PSD NVNT b 2437MHz Ant1



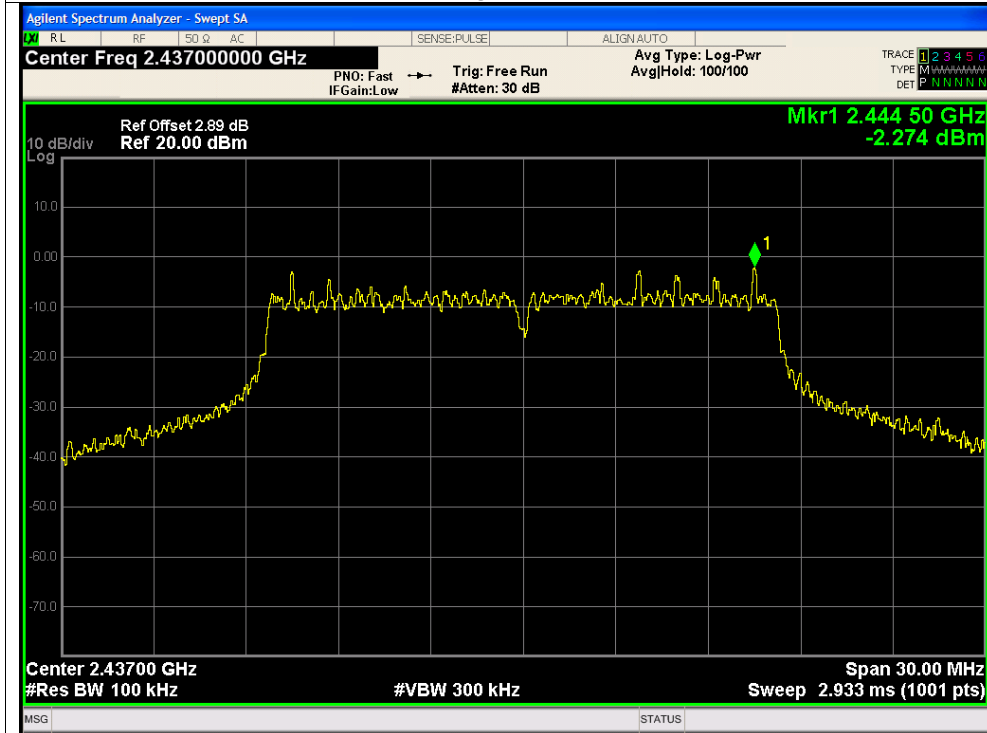
PSD NVNT b 2462MHz Ant1



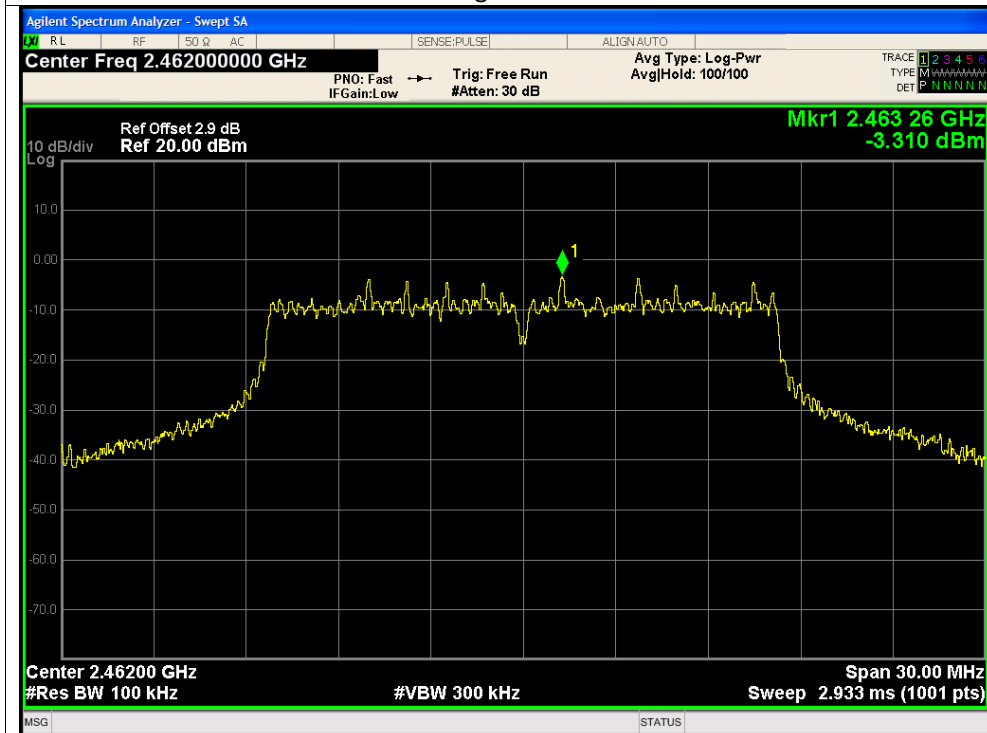
PSD NVNT g 2412MHz Ant1



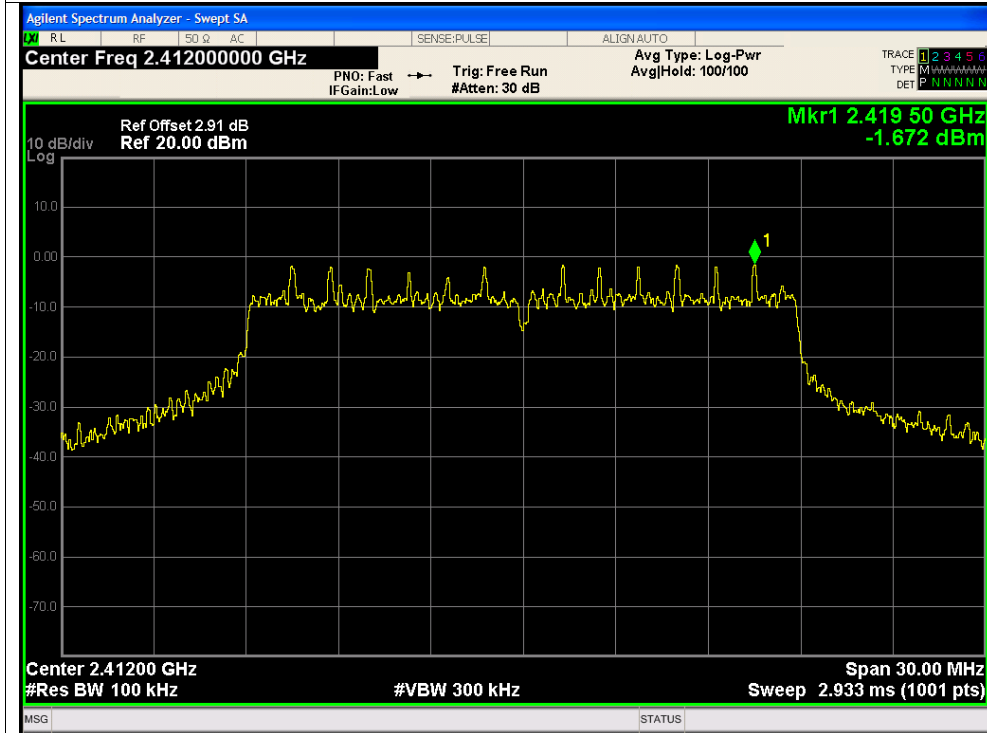
PSD NVNT g 2437MHz Ant1



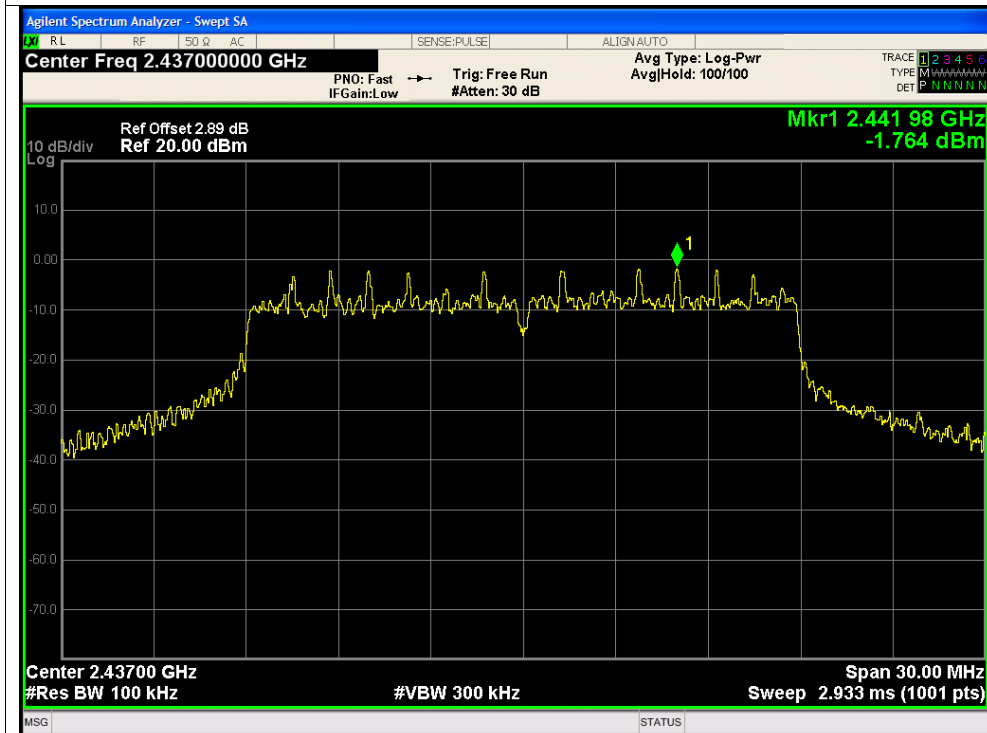
PSD NVNT g 2462MHz Ant1



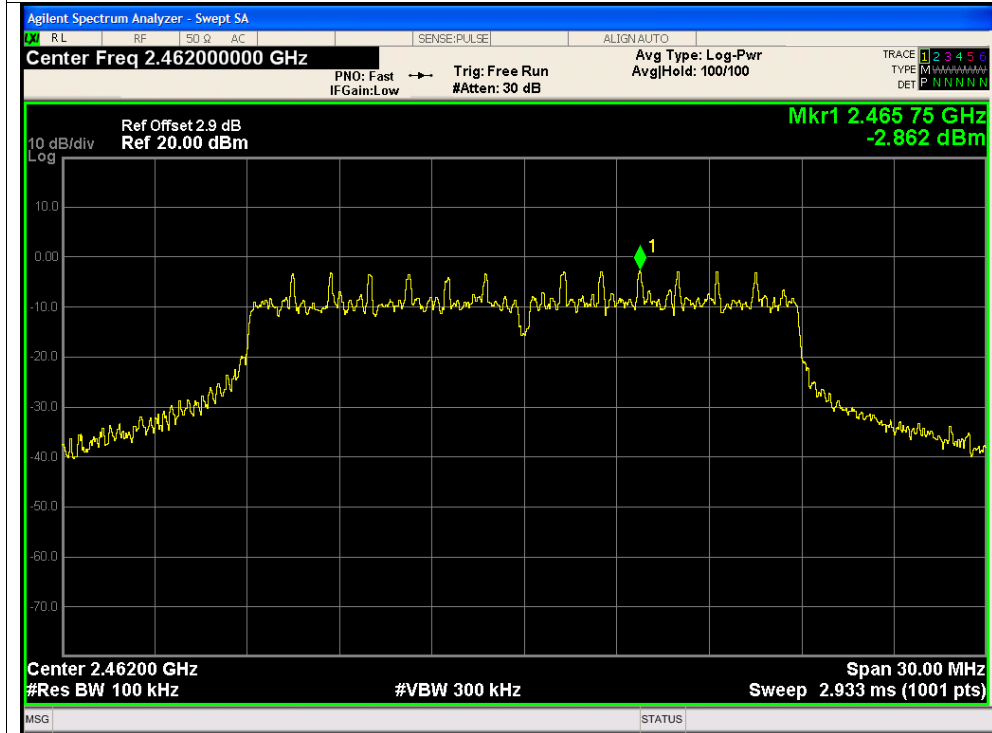
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1

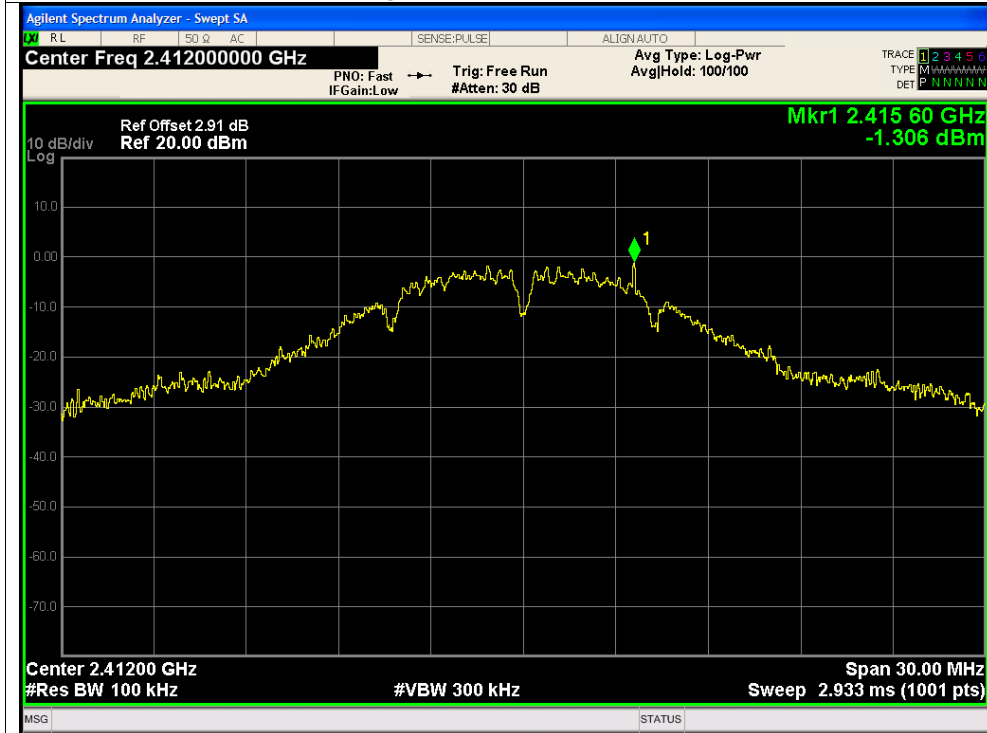


3. Band edge

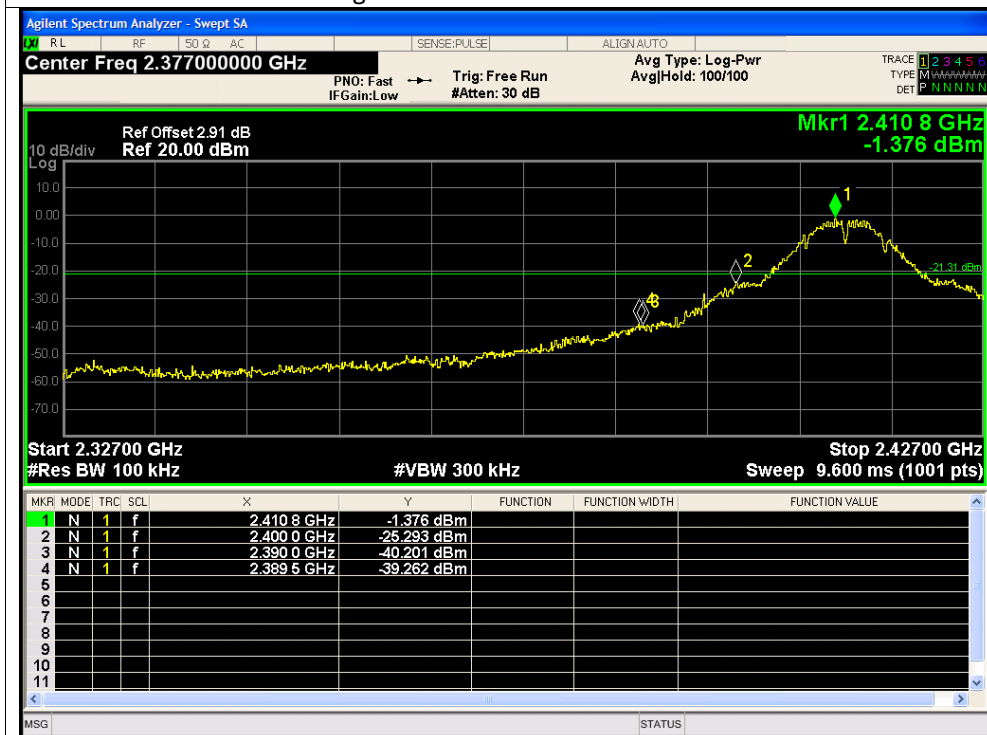
All patterns were tested and the worst patterns in the report were recorded

Condition	Antenna	Modulation	TX Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412	-37.95	-20	Pass
NVNT	ANT1	802.11b	2462	-43.89	-20	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission

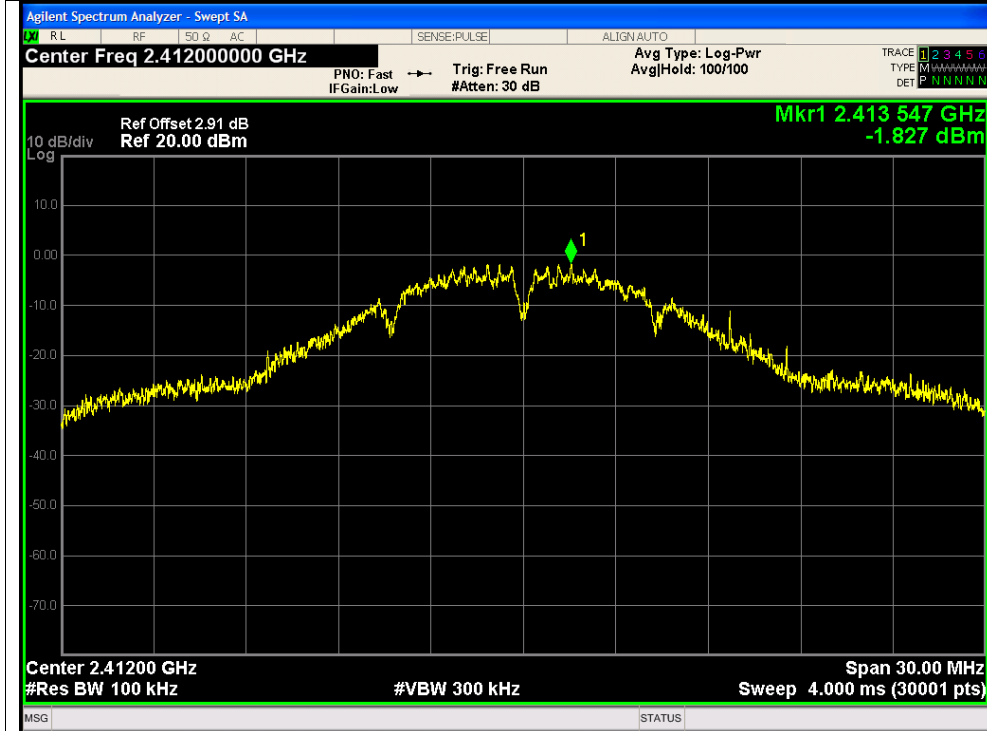


4. Spurious Emission

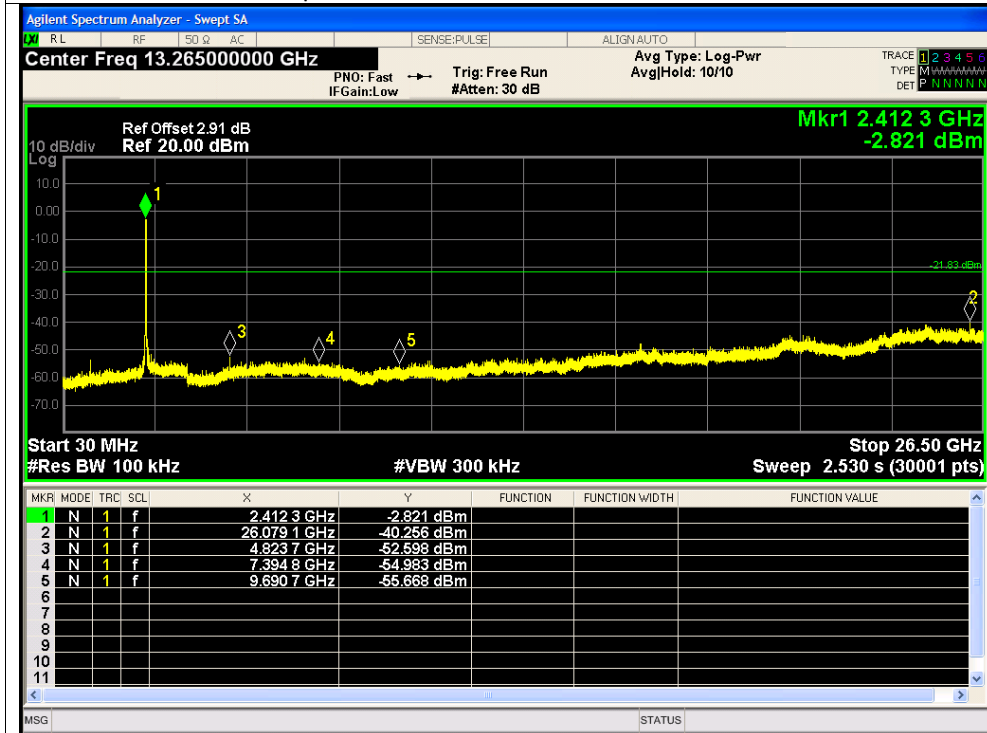
All patterns were tested and the worst patterns in the report were recorded

Condition	Antenna	Modulation	TX_Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	-38.42	-24.657	Pass
NVNT	ANT1	802.11b	2437.00	-39.50	-24.377	Pass
NVNT	ANT1	802.11b	2462.00	-41.61	-24.514	Pass

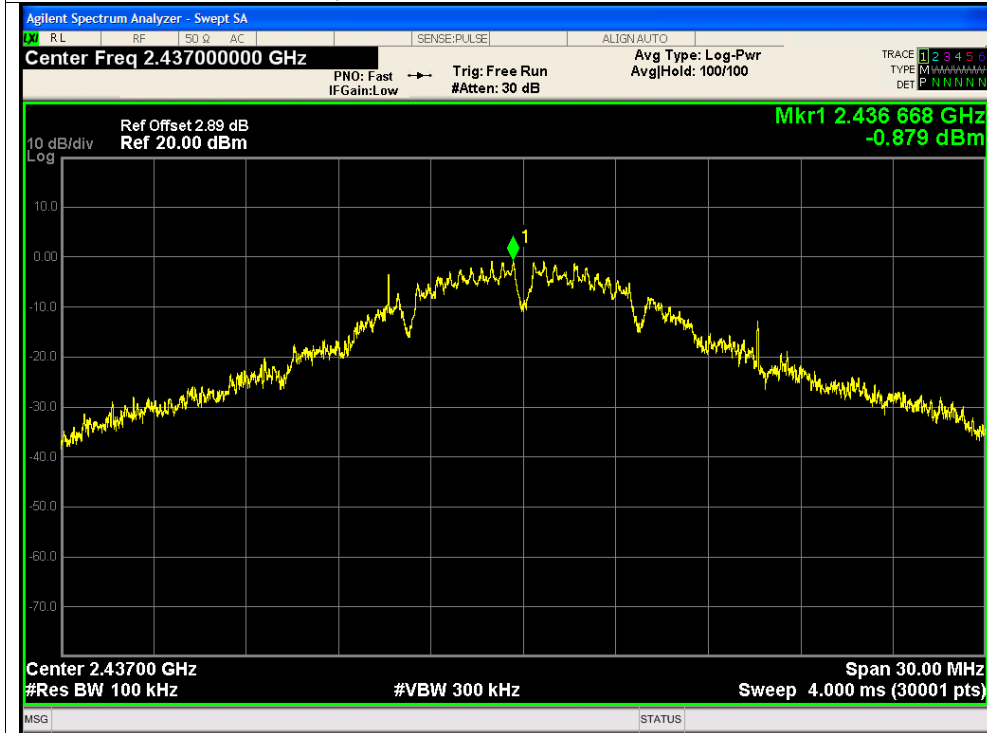
Tx. Spurious NVNT b 2412MHz Ant1 Ref



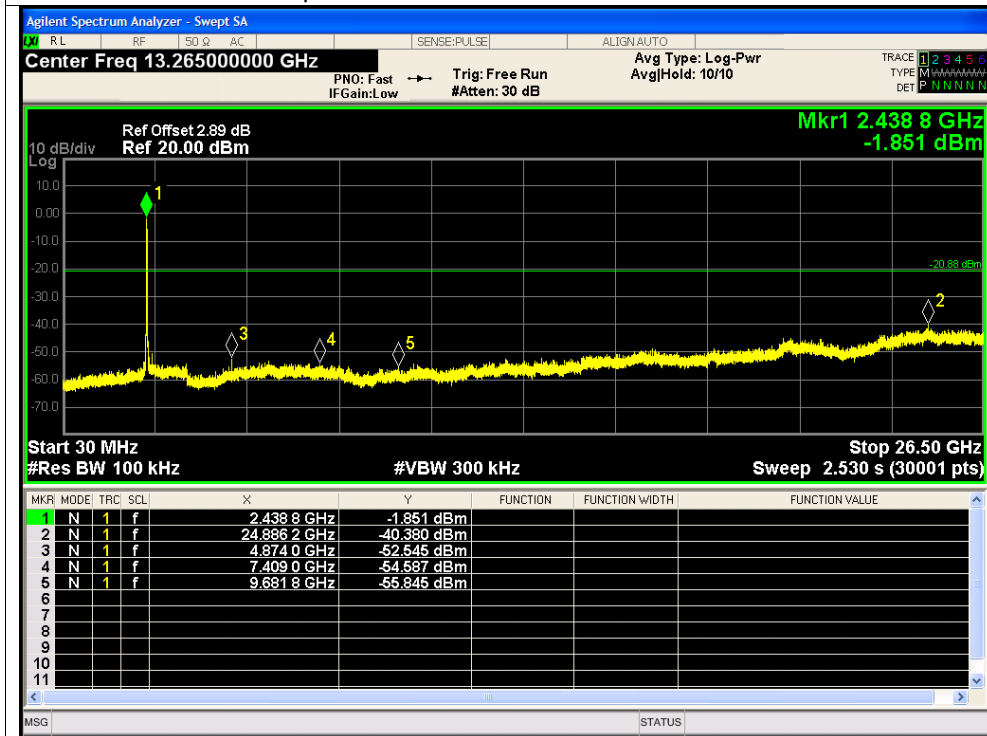
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission

