

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Smart Battery Camera
Test Model:	CQ1
Sample ID:	HC-C-202409-0193-01-02
Environmental Conditions	
Temperature:	24.3℃
Relative Humidity:	52.4%
Test Voltage:	DC 3.6V
Test Engineer:	Jolin Lee
Note: For a more detailed features description, please refer to the report TBR-C-202409-0194-18 The report only show the worst case data.	

Contents

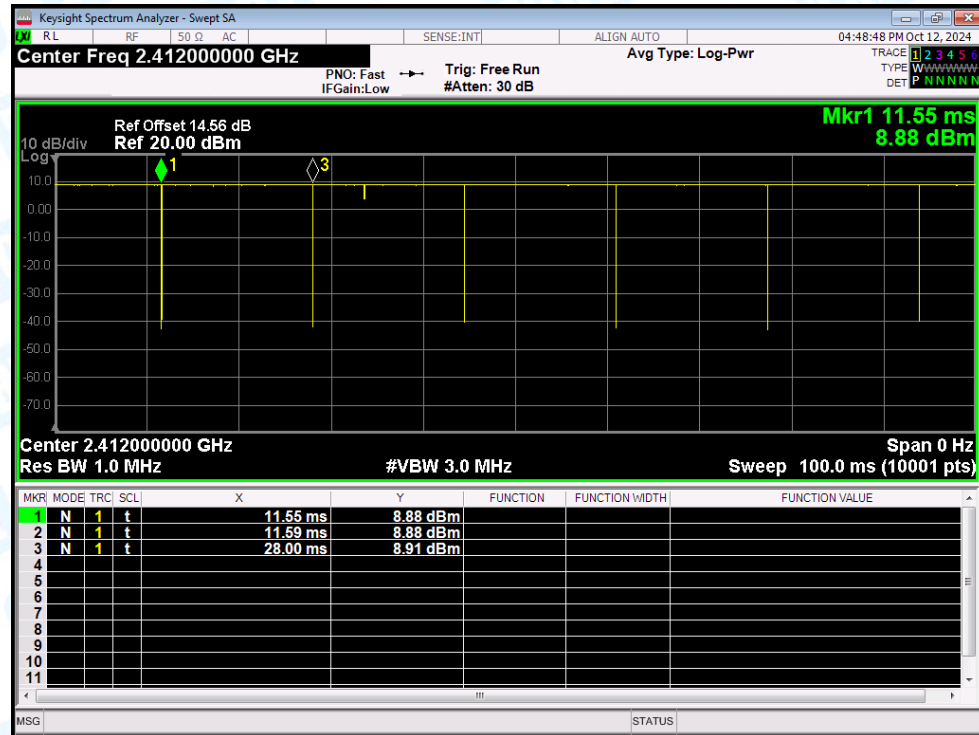
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1. Duty Cycle

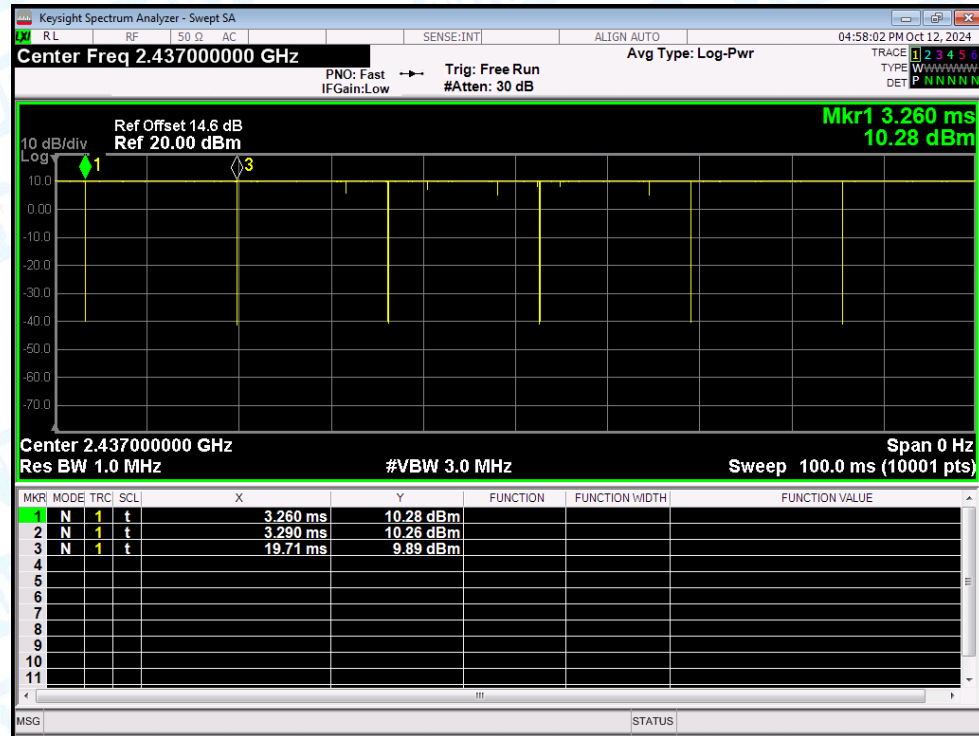
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.76	0.01	0.06
NVNT	b	2437	Ant1	99.82	0.01	0.06
NVNT	b	2462	Ant1	99.82	0.01	0.06
NVNT	g	2412	Ant1	98.56	0.06	0.37
NVNT	g	2437	Ant1	98.91	0.05	0.37
NVNT	g	2462	Ant1	98.91	0.05	0.37
NVNT	n(HT20)	2412	Ant1	98.44	0.07	0.4
NVNT	n(HT20)	2437	Ant1	98.83	0.05	0.39
NVNT	n(HT20)	2462	Ant1	98.44	0.07	0.4

Test Graphs

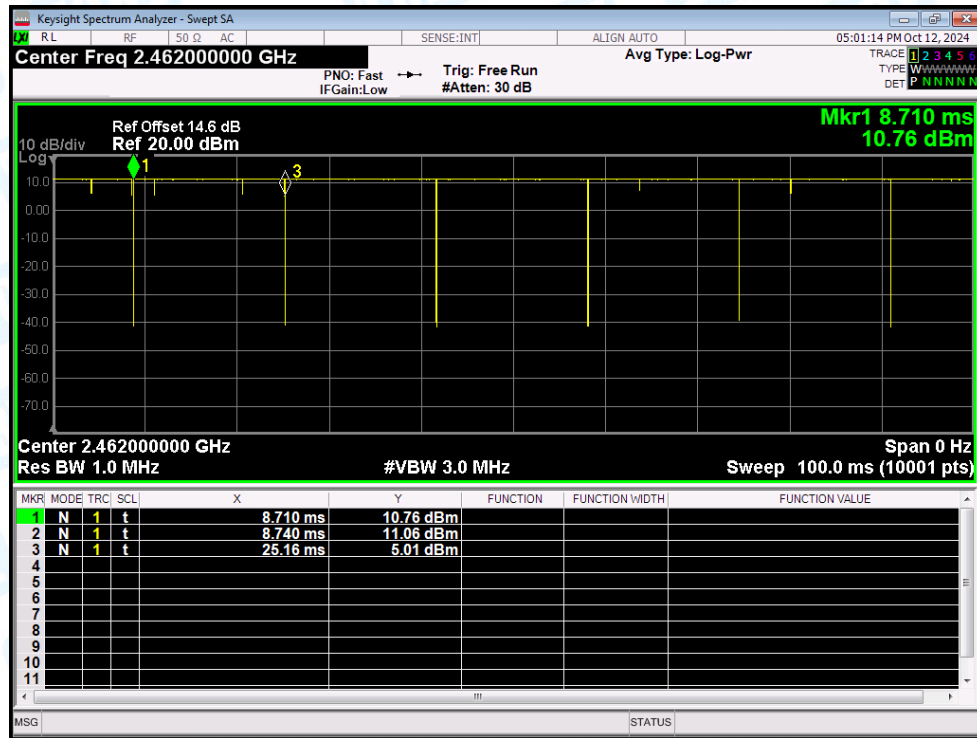
Duty Cycle NVNT b 2412MHz Ant1



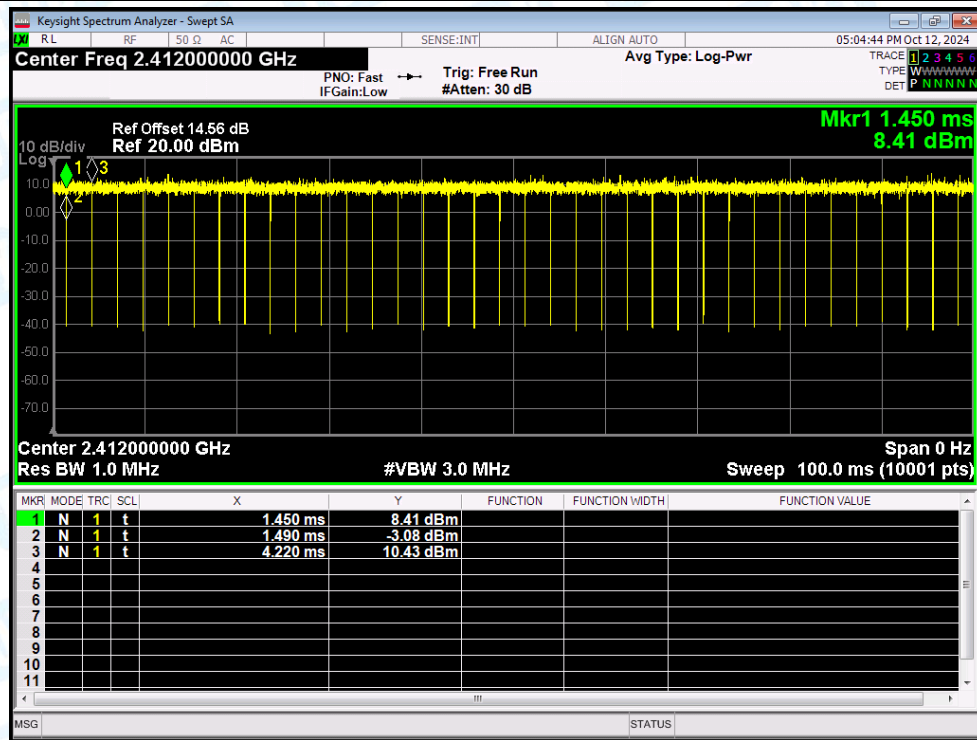
Duty Cycle NVNT b 2437MHz Ant1



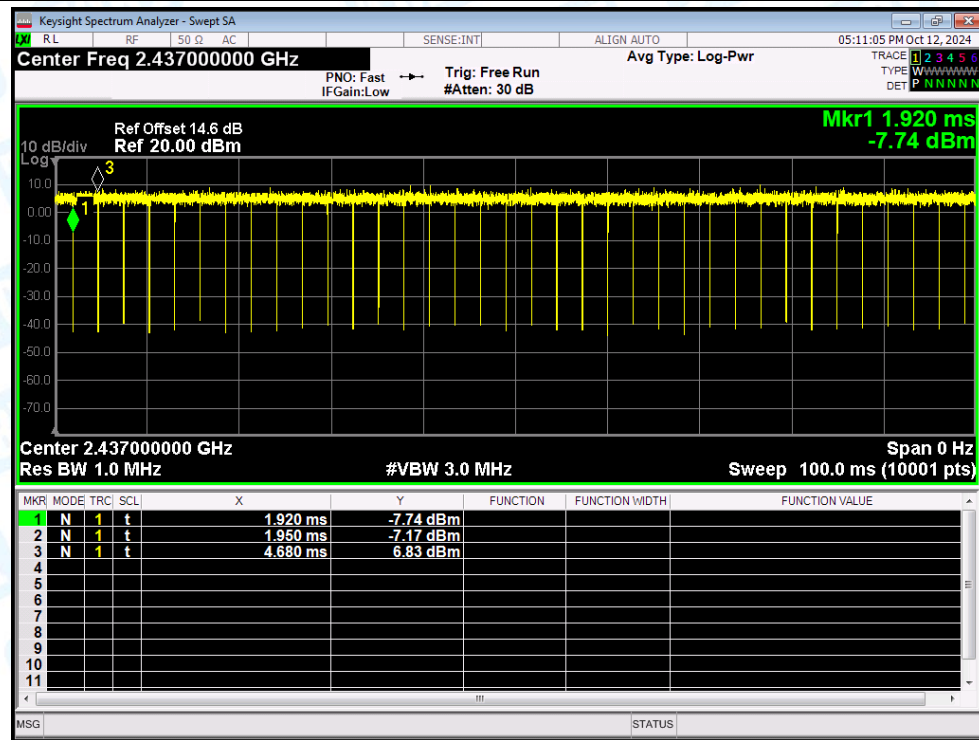
Duty Cycle NVNT b 2462MHz Ant1



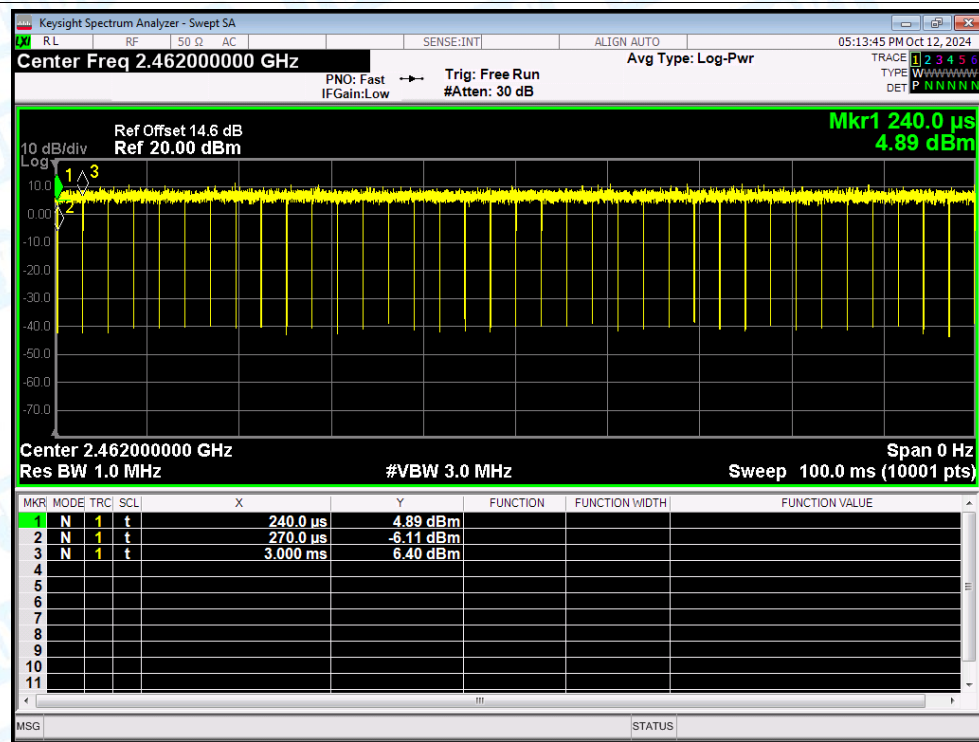
Duty Cycle NVNT g 2412MHz Ant1



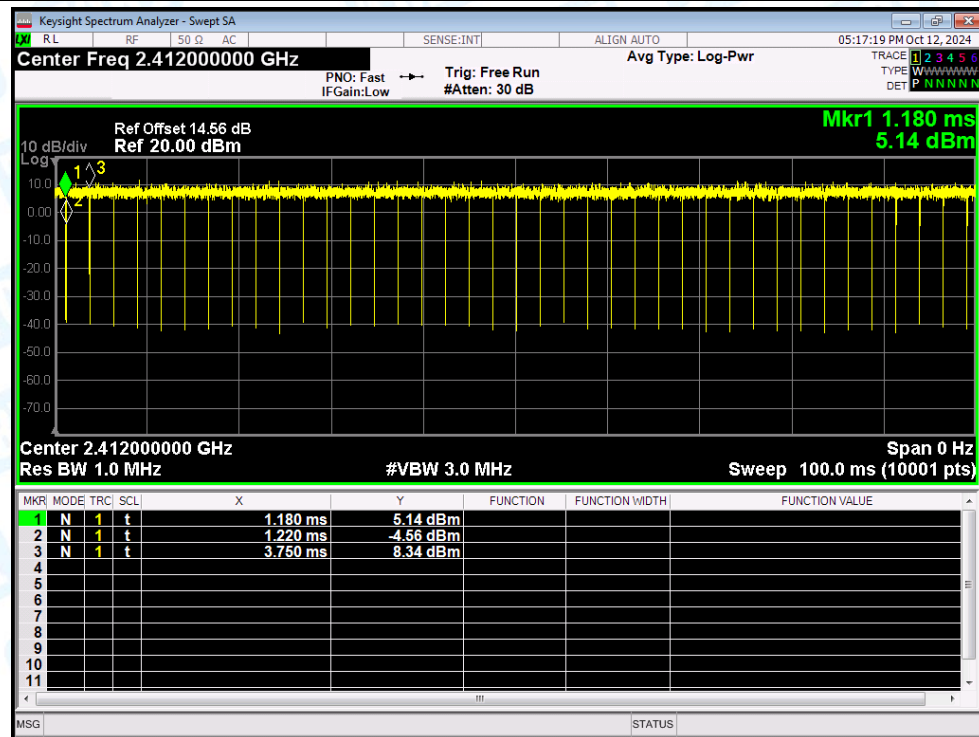
Duty Cycle NVNT g 2437MHz Ant1



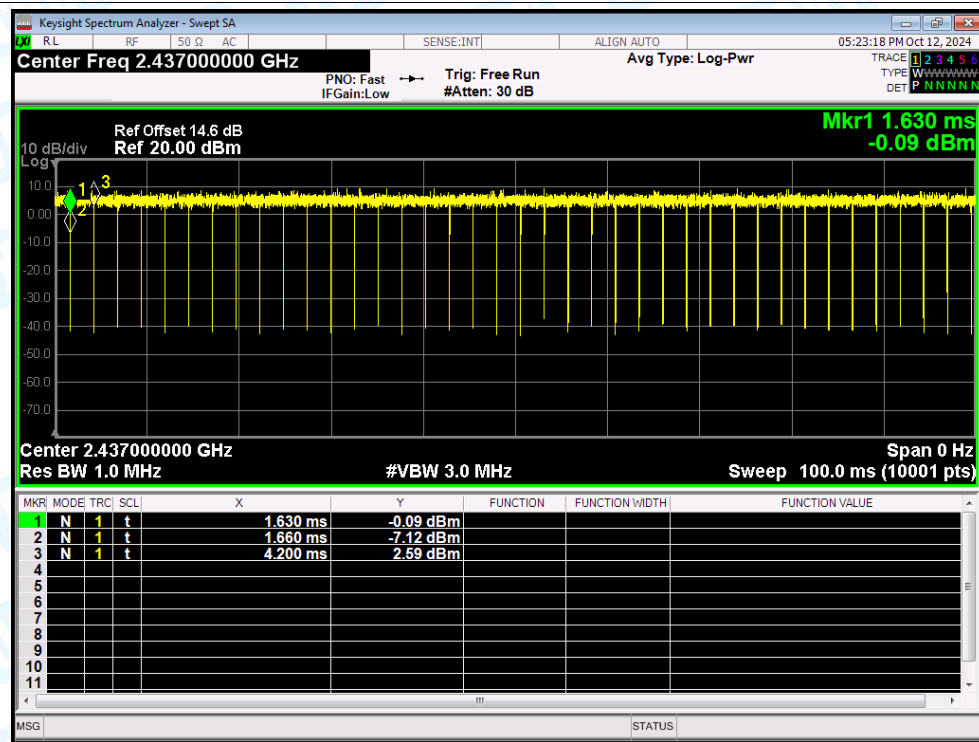
Duty Cycle NVNT g 2462MHz Ant1

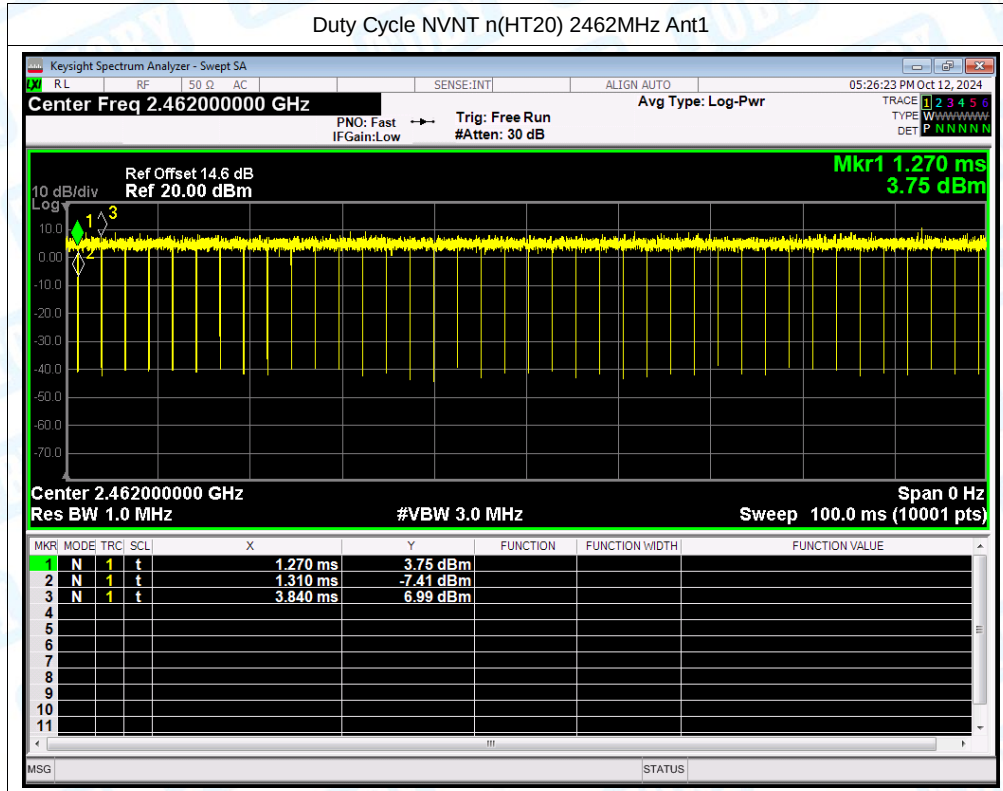


Duty Cycle NVNT n(HT20) 2412MHz Ant1



Duty Cycle NVNT n(HT20) 2437MHz Ant1





2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Gain (dBm)	EIRP(dBm)	EIRPLimit (dBm)	Verdict
NVNT	b	2412	Ant1	16.99	30	3.85	20.84	36	Pass
NVNT	b	2437	Ant1	16.89	30	3.85	20.74	36	Pass
NVNT	b	2462	Ant1	16.63	30	3.85	20.48	36	Pass
NVNT	g	2412	Ant1	14.06	30	3.85	17.91	36	Pass
NVNT	g	2437	Ant1	13.6	30	3.85	17.45	36	Pass
NVNT	g	2462	Ant1	13.49	30	3.85	17.34	36	Pass
NVNT	n(HT20)	2412	Ant1	12.71	30	3.85	16.56	36	Pass
NVNT	n(HT20)	2437	Ant1	12.32	30	3.85	16.17	36	Pass
NVNT	n(HT20)	2462	Ant1	12.03	30	3.85	15.88	36	Pass

Note: The Duty Cycle Factor is compensated in the graph, show the value is AVG.

3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.08	0.5	Pass
NVNT	b	2437	Ant1	10.09	0.5	Pass
NVNT	b	2462	Ant1	10.05	0.5	Pass
NVNT	g	2412	Ant1	16.38	0.5	Pass
NVNT	g	2437	Ant1	16.4	0.5	Pass
NVNT	g	2462	Ant1	16.38	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.58	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.59	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.58	0.5	Pass