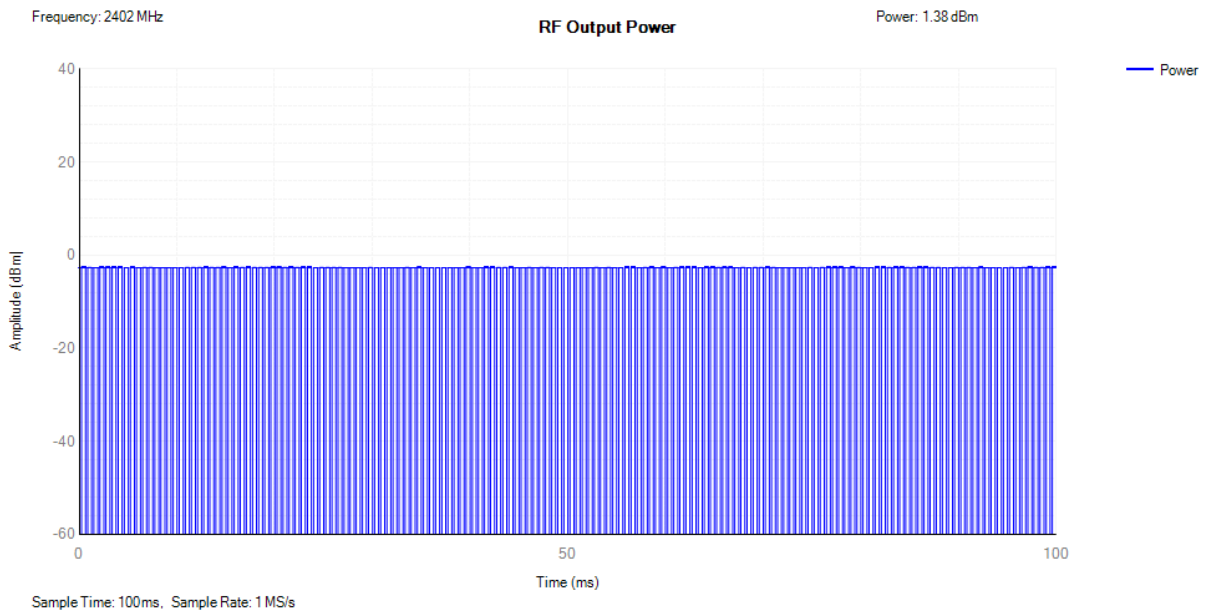


## Test Data

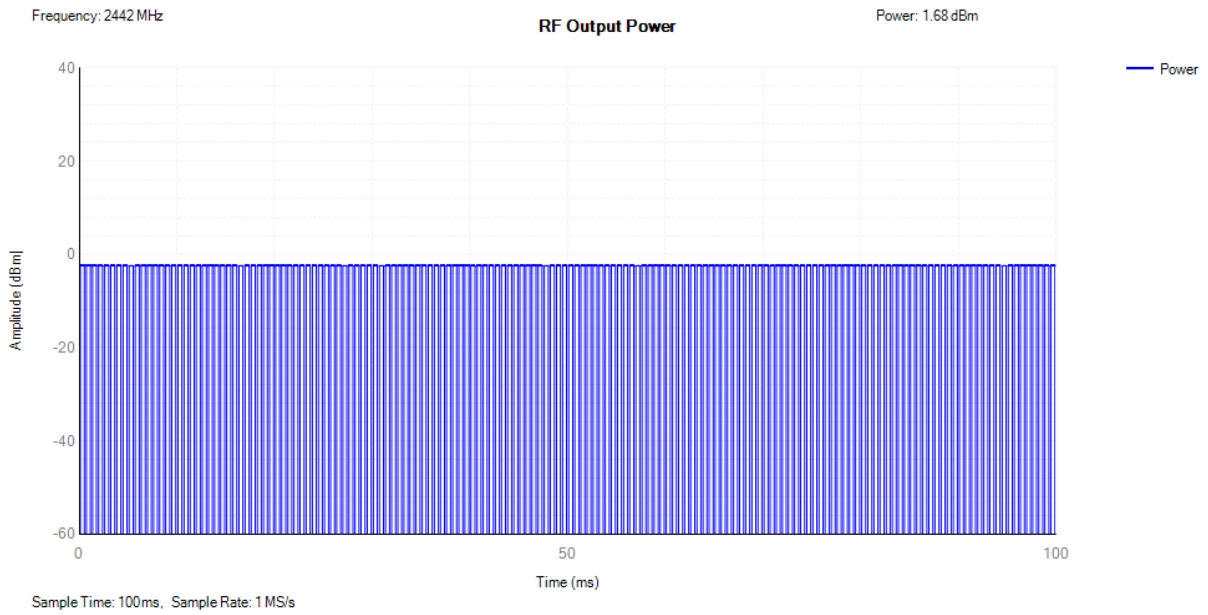
### 5.4.2 RF Output Power (for External antenna A: 4dBi)

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVHT	BLE	2402	-2.62	161	1.38	20	Pass
NVHT	BLE	2442	-2.32	160	1.68	20	Pass
NVHT	BLE	2480	-1.97	161	2.03	20	Pass
NVLT	BLE	2402	-2.62	161	1.38	20	Pass
NVLT	BLE	2442	-2.31	161	1.69	20	Pass
NVLT	BLE	2480	-1.97	161	2.03	20	Pass
NVNT	BLE	2402	-2.57	161	1.43	20	Pass
NVNT	BLE	2442	-2.32	161	1.68	20	Pass
NVNT	BLE	2480	-1.95	161	2.05	20	Pass

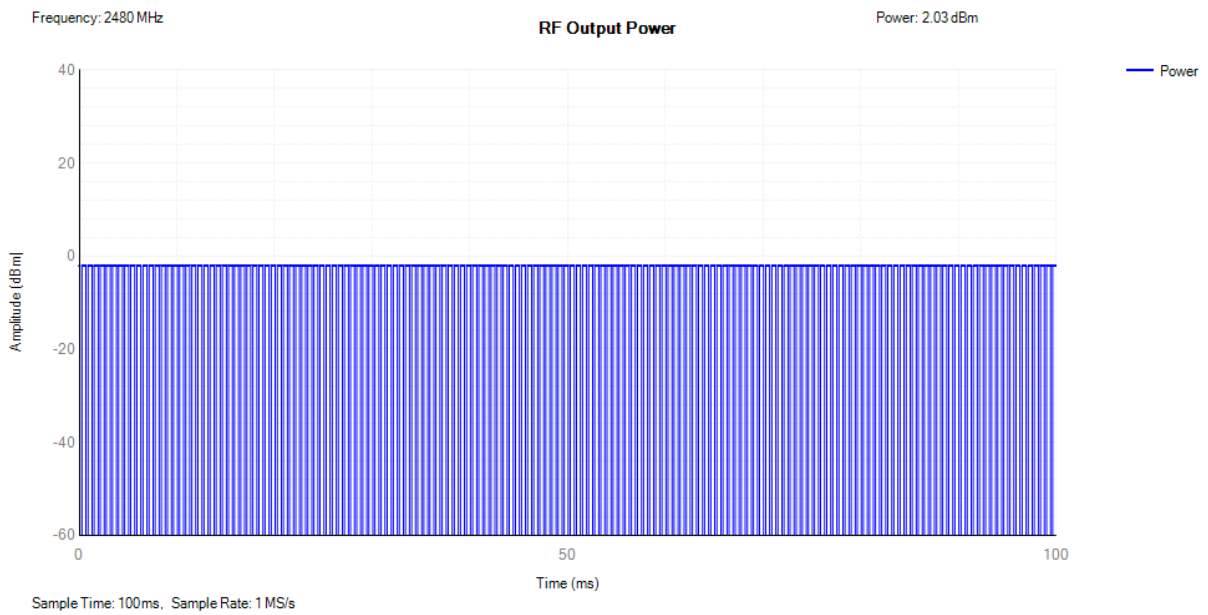
Power NVHT BLE 2402MHz



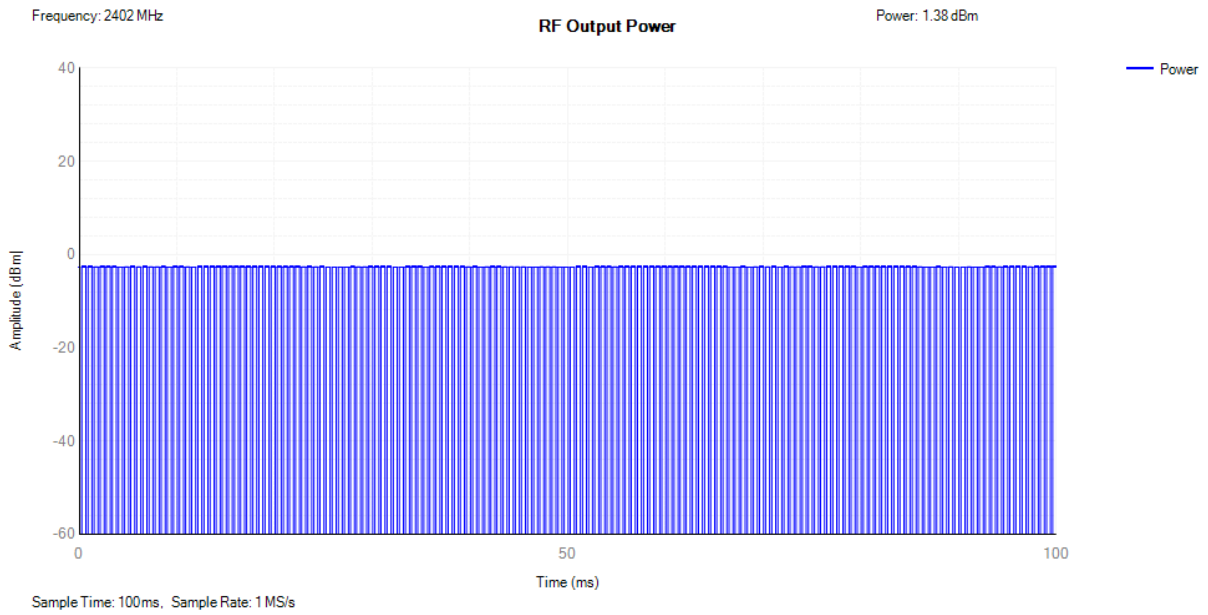
## Power NVHT BLE 2442MHz



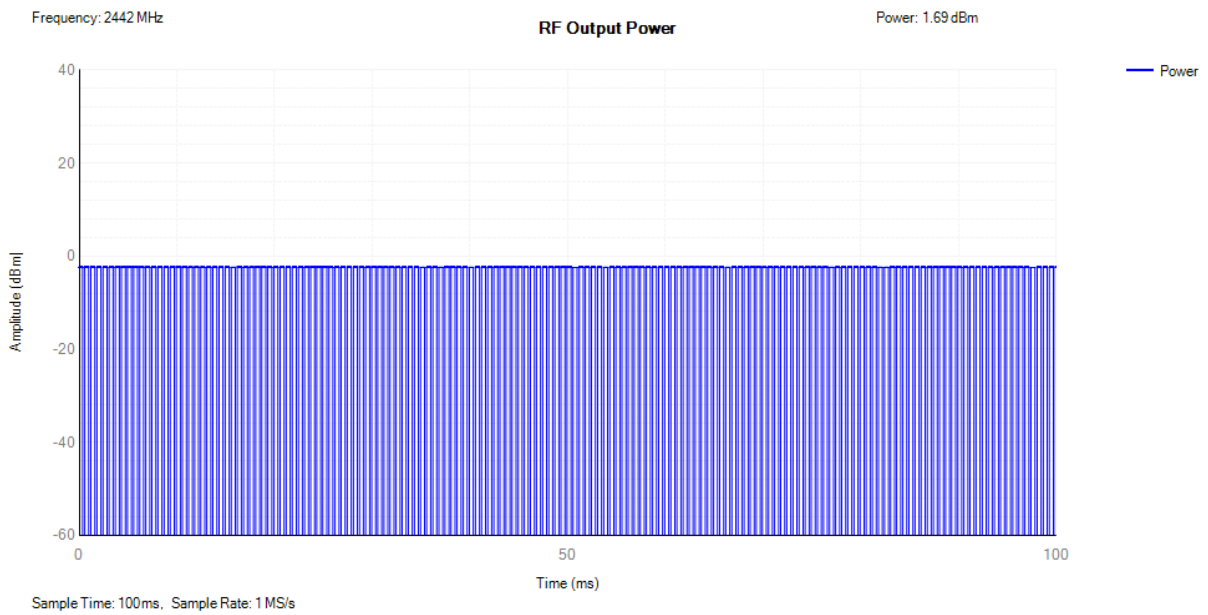
## Power NVHT BLE 2480MHz



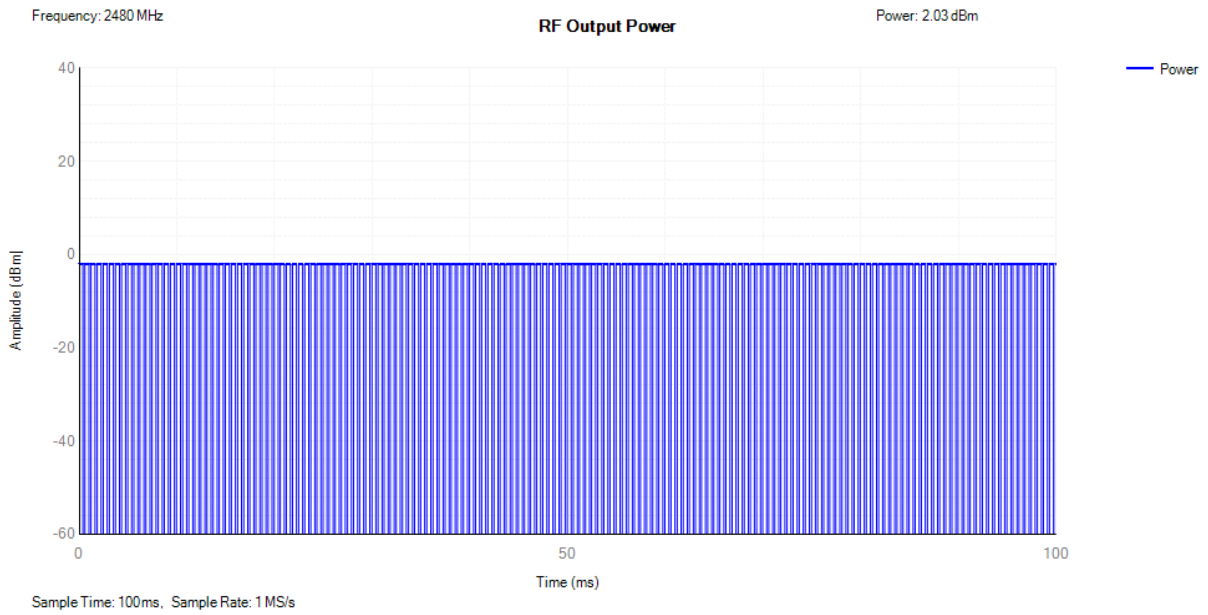
## Power NVLT BLE 2402MHz



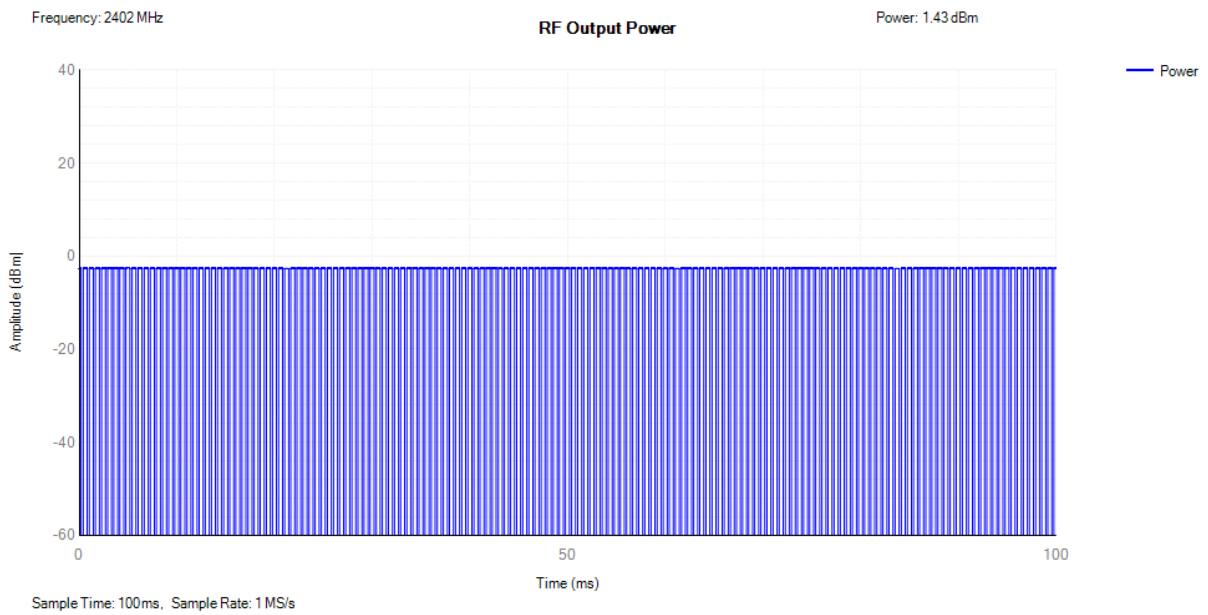
## Power NVLT BLE 2442MHz



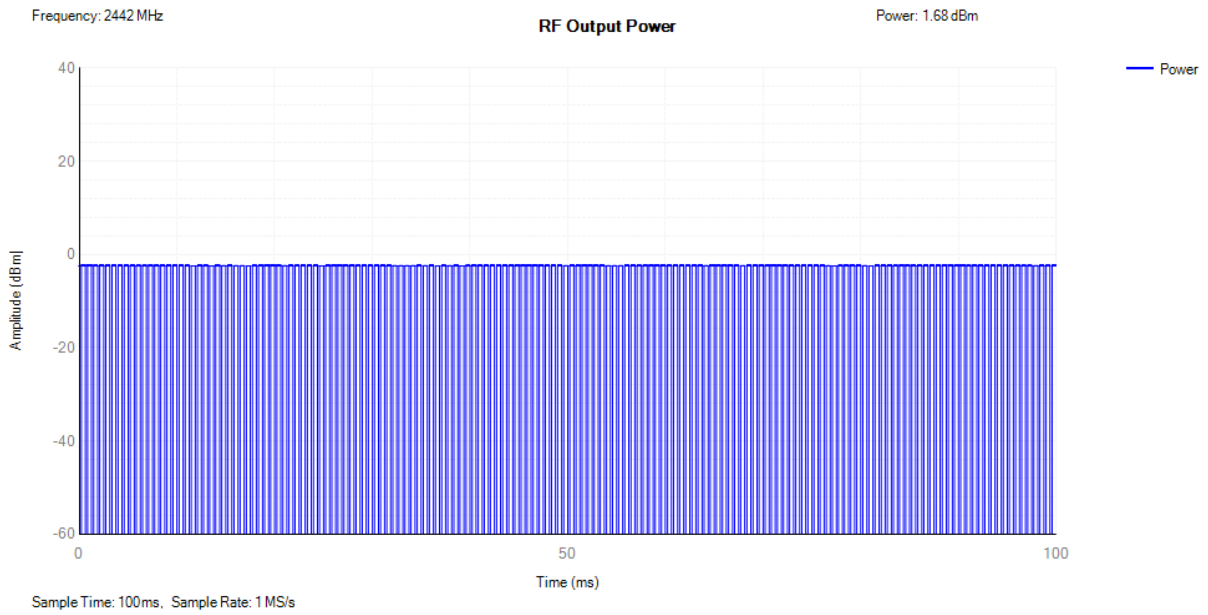
## Power NVLT BLE 2480MHz



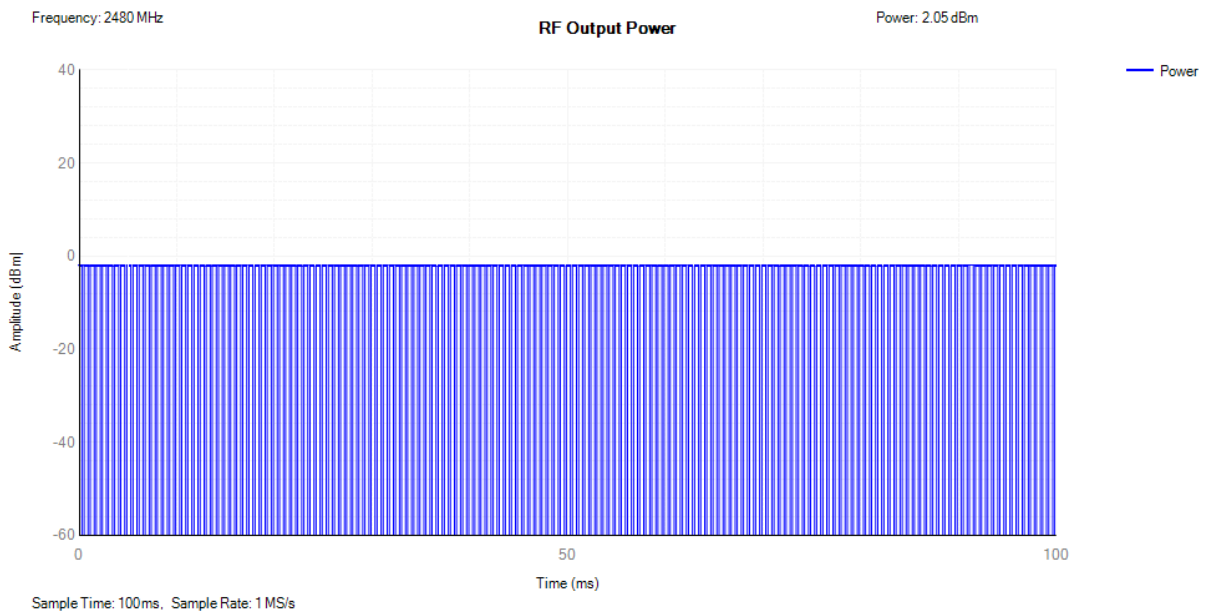
## Power NVNT BLE 2402MHz



## Power NVNT BLE 2442MHz



## Power NVNT BLE 2480MHz



**Remark: Max EIRP=Max Burst RMS Power + Antenna Gain**

**So Output Power (for External antenna B: 3.2dBi) :**

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
LVHT	BLE	2402	0.58	160	0.38	20	Pass
LVHT	BLE	2442	0.88	160	0.68	20	Pass
LVHT	BLE	2480	1.23	161	1.03	20	Pass
LVLT	BLE	2402	0.58	161	0.38	20	Pass
LVLT	BLE	2442	0.89	160	0.69	20	Pass
LVLT	BLE	2480	1.23	161	1.03	20	Pass
NVNT	BLE	2402	0.63	161	0.43	20	Pass
NVNT	BLE	2442	0.88	161	0.68	20	Pass
NVNT	BLE	2480	1.25	161	1.05	20	Pass

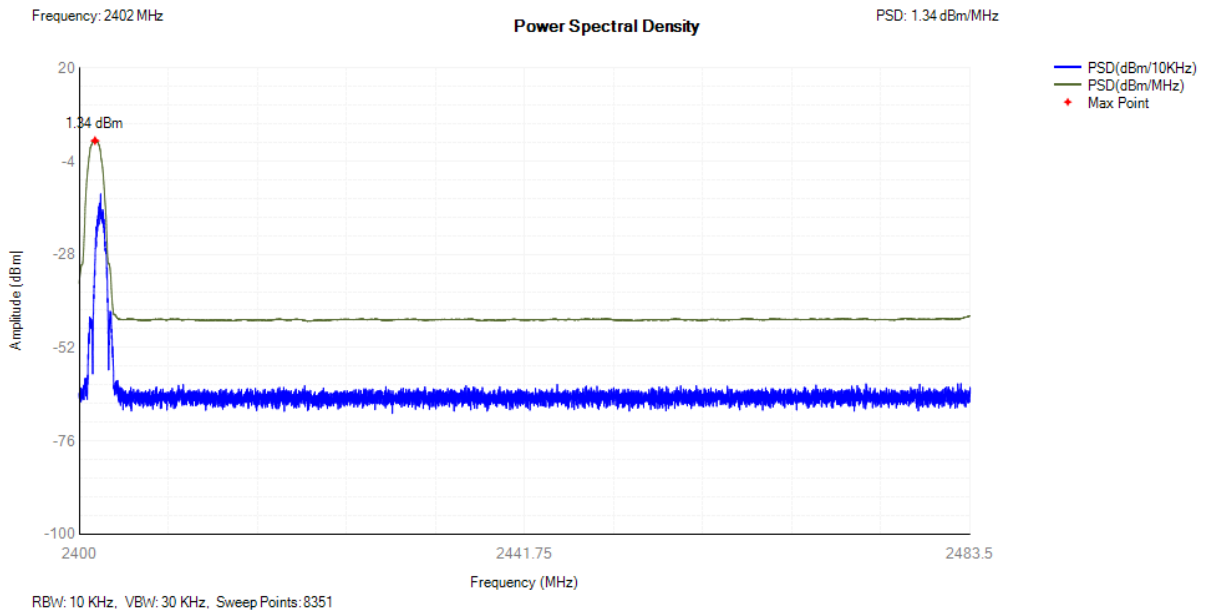
**RF Output Power(for Ceramic Antenna: 3dBi) :**

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
LVHT	BLE	2402	0.38	160	0.38	20	Pass
LVHT	BLE	2442	0.68	160	0.68	20	Pass
LVHT	BLE	2480	1.03	161	1.03	20	Pass
LVLT	BLE	2402	0.38	161	0.38	20	Pass
LVLT	BLE	2442	0.69	160	0.69	20	Pass
LVLT	BLE	2480	1.03	161	1.03	20	Pass
NVNT	BLE	2402	0.43	161	0.43	20	Pass
NVNT	BLE	2442	0.68	161	0.68	20	Pass
NVNT	BLE	2480	1.05	161	1.05	20	Pass

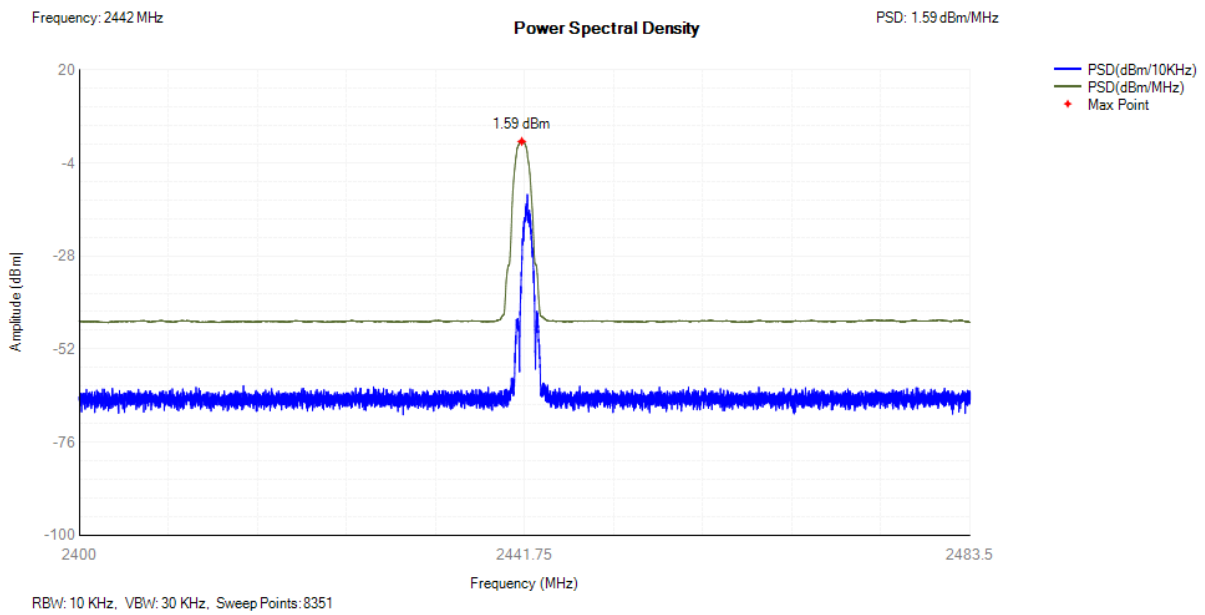
**5.4.3 Power Spectral Density (for External antenna A: 4.0dBi)**

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	1.34	10	Pass
NVNT	BLE	2442	1.59	10	Pass
NVNT	BLE	2480	1.96	10	Pass

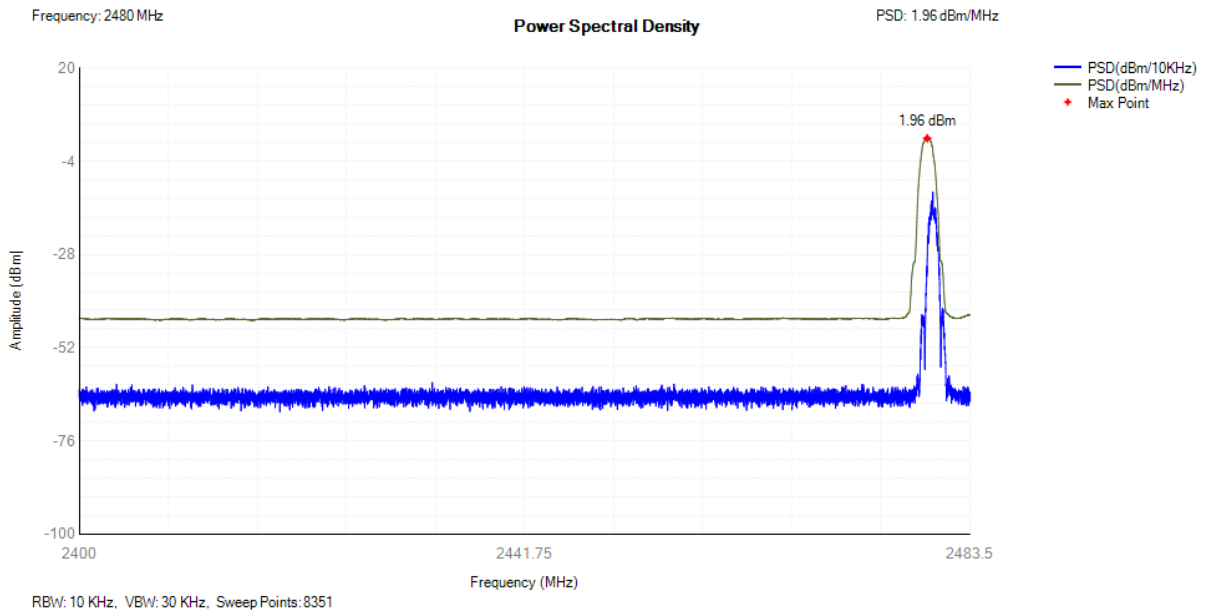
## PSD NVNT BLE 2402MHz



## PSD NVNT BLE 2442MHz



## PSD NVNT BLE 2480MHz



**Remark: Max PSD= Conducted PSD + Antenna Gain**

**So Power Spectral Density (for External antenna: 3.2dBi):**

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	0.54	10	Pass
NVNT	BLE	2442	0.79	10	Pass
NVNT	BLE	2480	1.16	10	Pass

**Power Spectral Density (for Ceramic Antenna: 3.0dBi):**

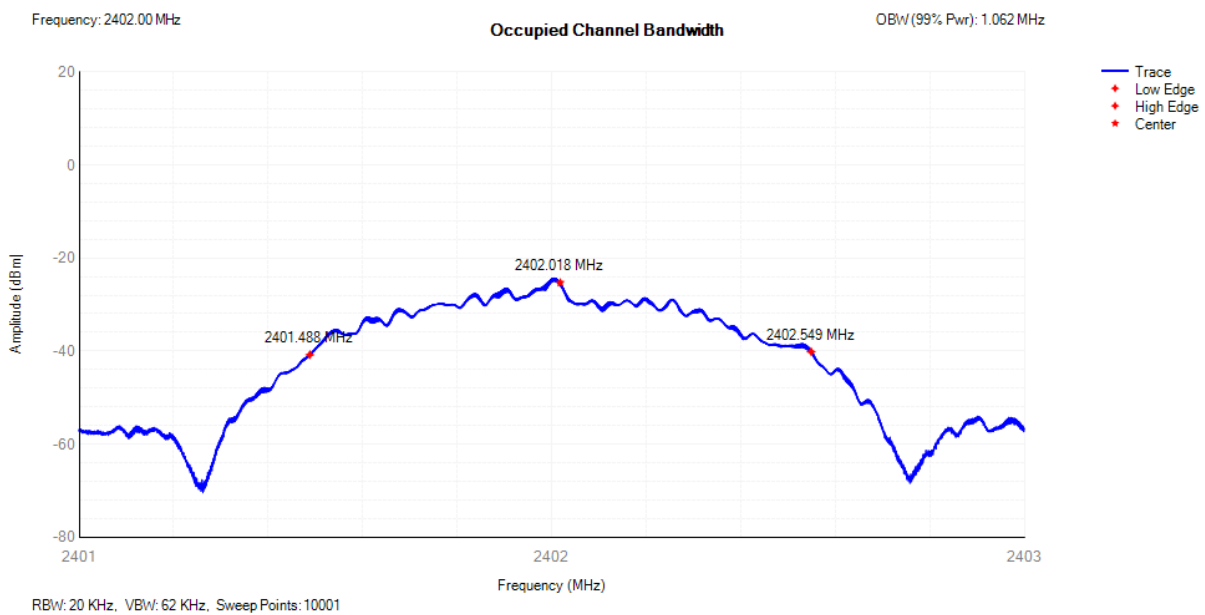
Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	0.34	10	Pass
NVNT	BLE	2442	0.59	10	Pass
NVNT	BLE	2480	0.96	10	Pass



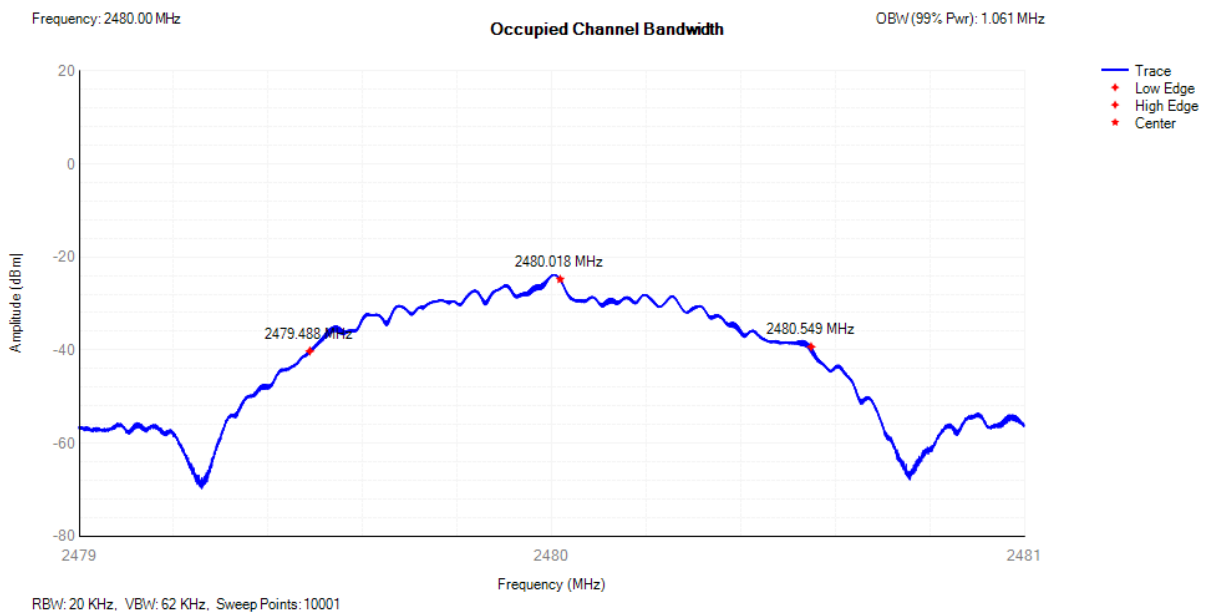
## 5.4.7 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	BLE	2402	2402.018	1.062	2401.488	2402.549	2400 - 2483.5MHz	Pass
NVNT	BLE	2480	2480.018	1.061	2479.488	2480.549	2400 - 2483.5MHz	Pass

OBW NVNT BLE 2402MHz



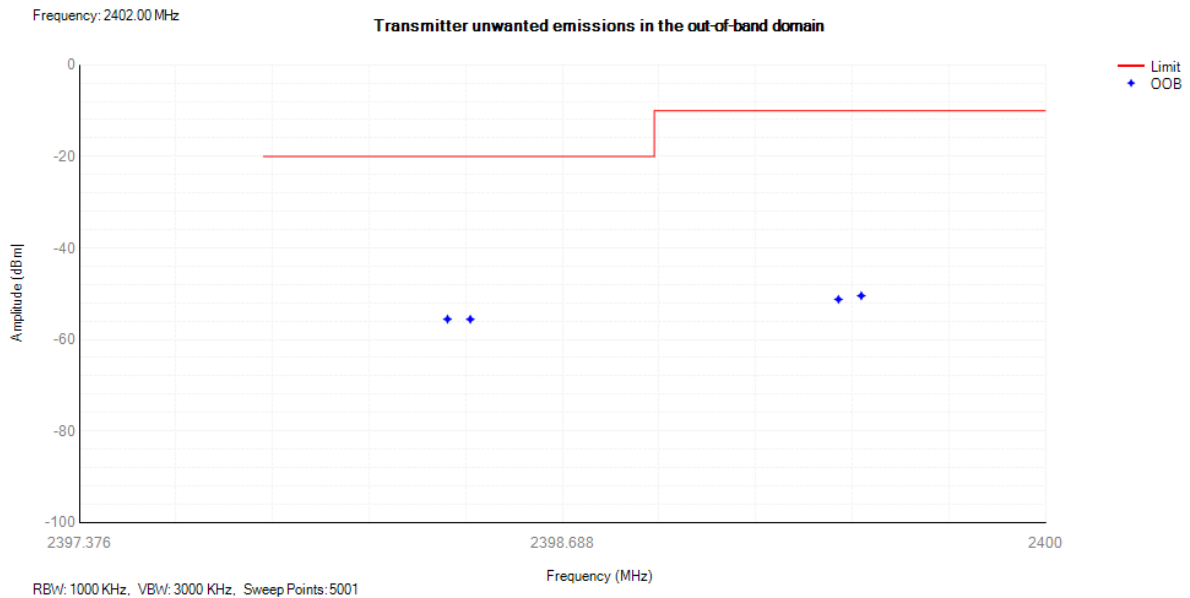
OBW NVNT BLE 2480MHz



## 5.4.8 Transmitter unwanted emissions in the out-of-band domain (for External antenna A: 4dBi)

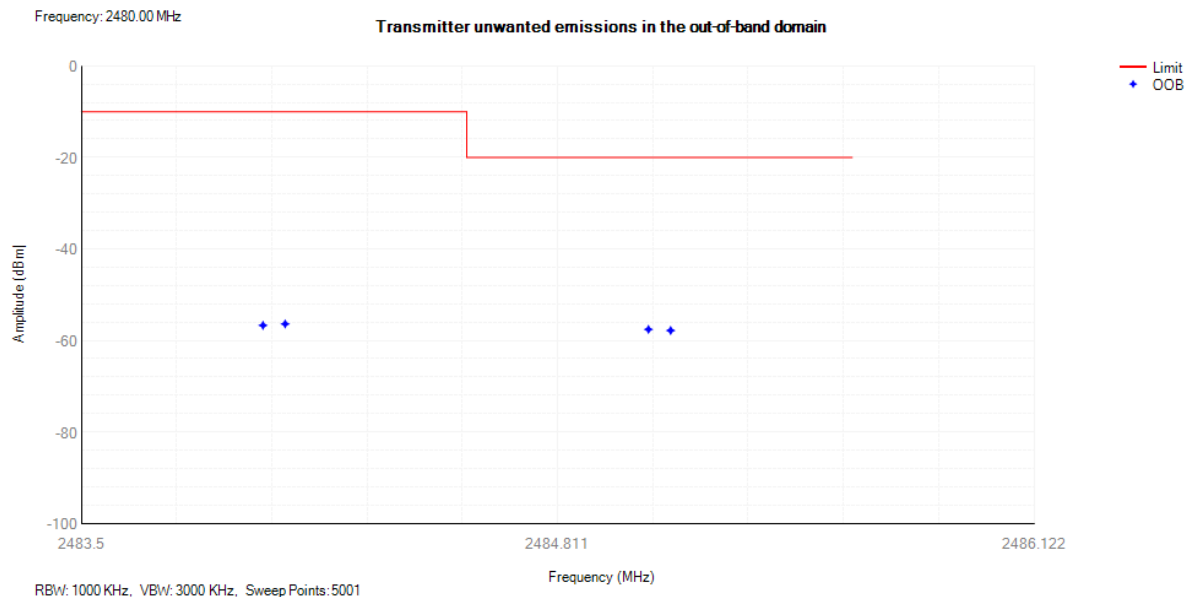
Condition	Mode	Frequency (MHz)	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	2399.5	-50.44	-10	Pass
NVNT	BLE	2402	2399.438	-51.22	-10	Pass
NVNT	BLE	2402	2398.438	-55.58	-20	Pass
NVNT	BLE	2402	2398.376	-55.55	-20	Pass
NVNT	BLE	2480	2484	-56.69	-10	Pass
NVNT	BLE	2480	2484.061	-56.38	-10	Pass
NVNT	BLE	2480	2485.061	-57.57	-20	Pass
NVNT	BLE	2480	2485.122	-57.81	-20	Pass

Tx. Emissions OOB NVNT BLE 2402MHz



T

x. Emissions OOB NVNT BLE 2480MHz



**Remark: OOB Level= Conducted Level + Antenna Gain**

**So Transmitter unwanted emissions in the out-of-band domain (for External antenna B: 3.2dBi):**

Condition	Mode	Frequency (MHz)	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	2399.5	-51.44	-10	Pass
NVNT	BLE	2402	2399.438	-52.22	-10	Pass
NVNT	BLE	2402	2398.438	-56.58	-20	Pass
NVNT	BLE	2402	2398.376	-56.55	-20	Pass
NVNT	BLE	2480	2484	-57.69	-10	Pass
NVNT	BLE	2480	2484.061	-57.38	-10	Pass
NVNT	BLE	2480	2485.061	-58.57	-20	Pass
NVNT	BLE	2480	2485.122	-58.81	-20	Pass

**Transmitter unwanted emissions in the out-of-band domain (for Ceramic Antenna: 3 dBi):**

Condition	Mode	Frequency (MHz)	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE	2402	2399.5	-51.44	-10	Pass
NVNT	BLE	2402	2399.438	-52.22	-10	Pass
NVNT	BLE	2402	2398.438	-56.58	-20	Pass
NVNT	BLE	2402	2398.376	-56.55	-20	Pass
NVNT	BLE	2480	2484	-57.69	-10	Pass
NVNT	BLE	2480	2484.061	-57.38	-10	Pass
NVNT	BLE	2480	2485.061	-58.57	-20	Pass
NVNT	BLE	2480	2485.122	-58.81	-20	Pass