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5.4.2 RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-6.39	161	-4.59	20	Pass
		2440		-2.48	160	-0.68	20	Pass
		2480		2.67	160	4.47	20	Pass
	BLE 2M	2402		-6.42	160	-4.62	20	Pass
		2440		-2.55	161	-0.75	20	Pass
		2480		2.68	160	4.48	20	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	BLE 1M	2402	Ant1	-6.37	161	-4.57	20	Pass
		2440		-2.52	160	-0.72	20	Pass
		2480		2.68	160	4.48	20	Pass
	BLE 2M	2402		-6.44	161	-4.64	20	Pass
		2440		-2.55	161	-0.75	20	Pass
		2480		2.65	160	4.45	20	Pass

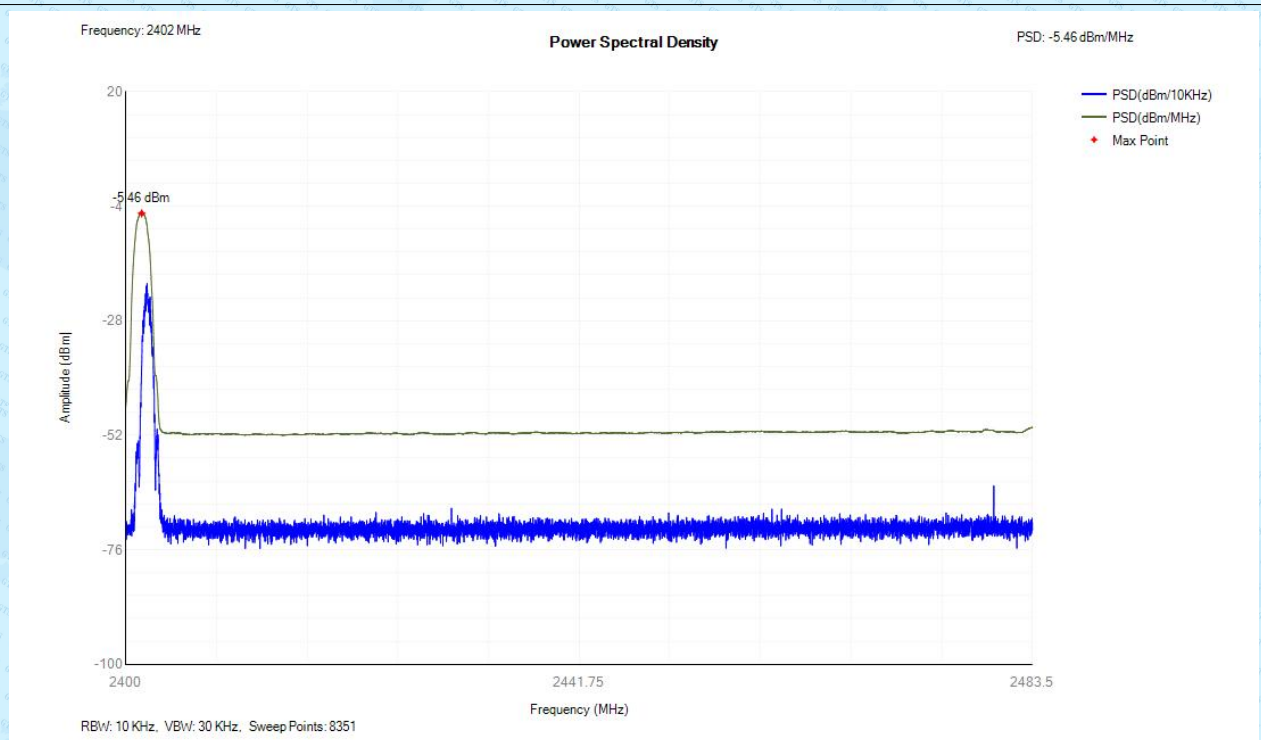
Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVHT	BLE 1M	2402	Ant1	-6.42	161	-4.62	20	Pass
		2440		-2.53	161	-0.73	20	Pass
		2480		2.7	161	4.50	20	Pass
	BLE 2M	2402		-6.44	160	-4.64	20	Pass
		2440		-2.57	160	-0.77	20	Pass
		2480		2.68	160	4.48	20	Pass

5.4.3 Power Spectral Density

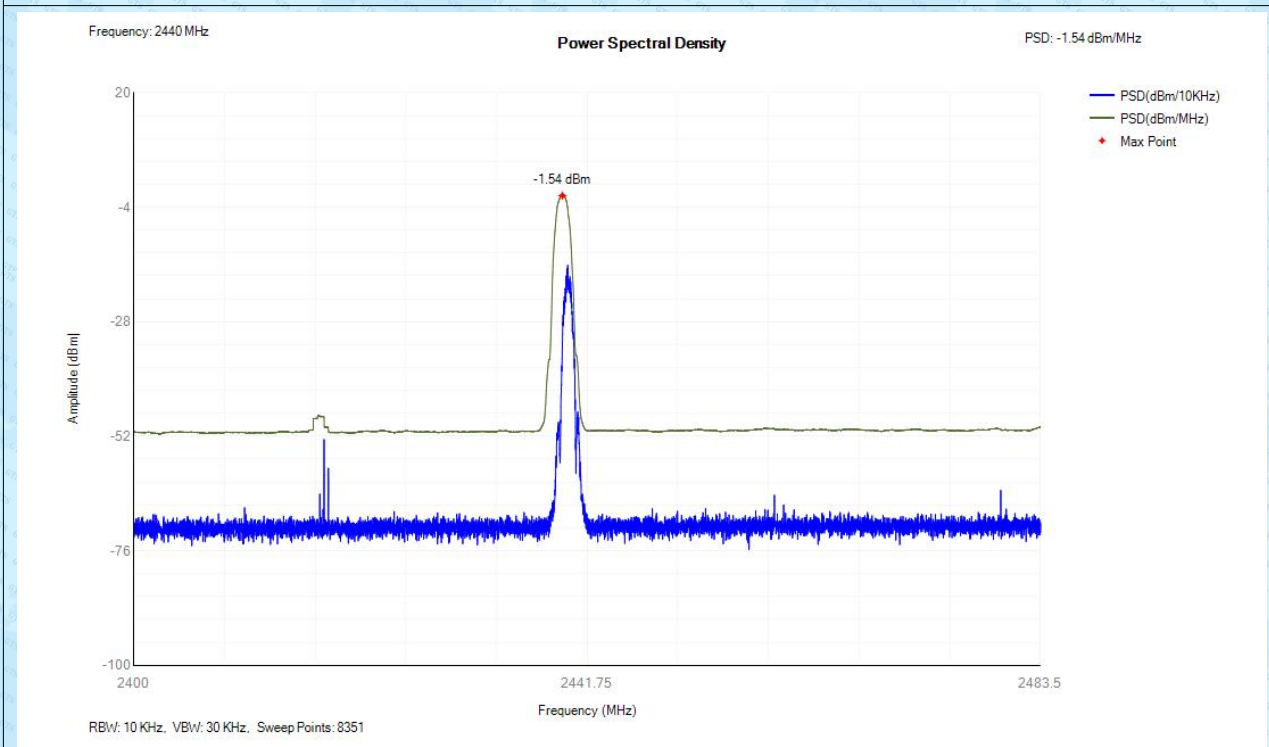
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-5.46	10	Pass
		2440		-1.54	10	Pass
		2480		3.61	10	Pass
	BLE 2M	2402		-6.61	10	Pass
		2440		-2.73	10	Pass
		2480		2.49	10	Pass

Test Graphs

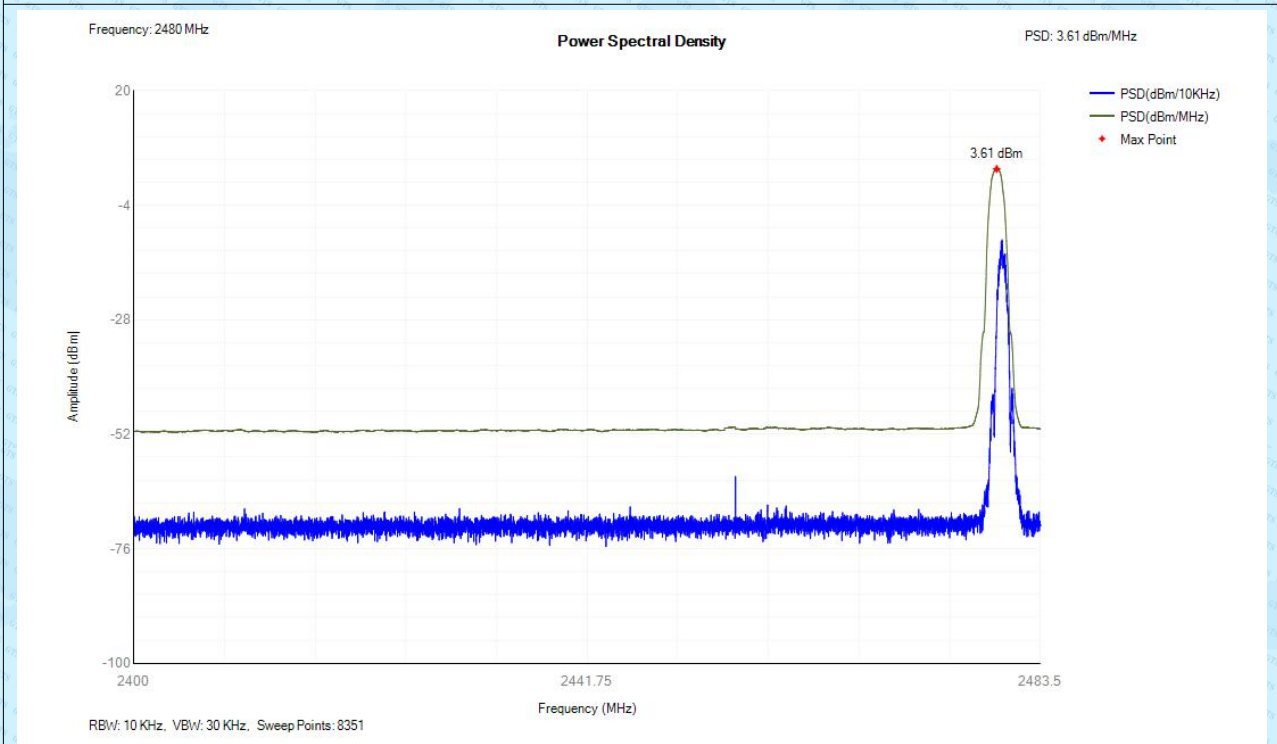
PSD NVNT BLE 1M 2402MHz Ant1



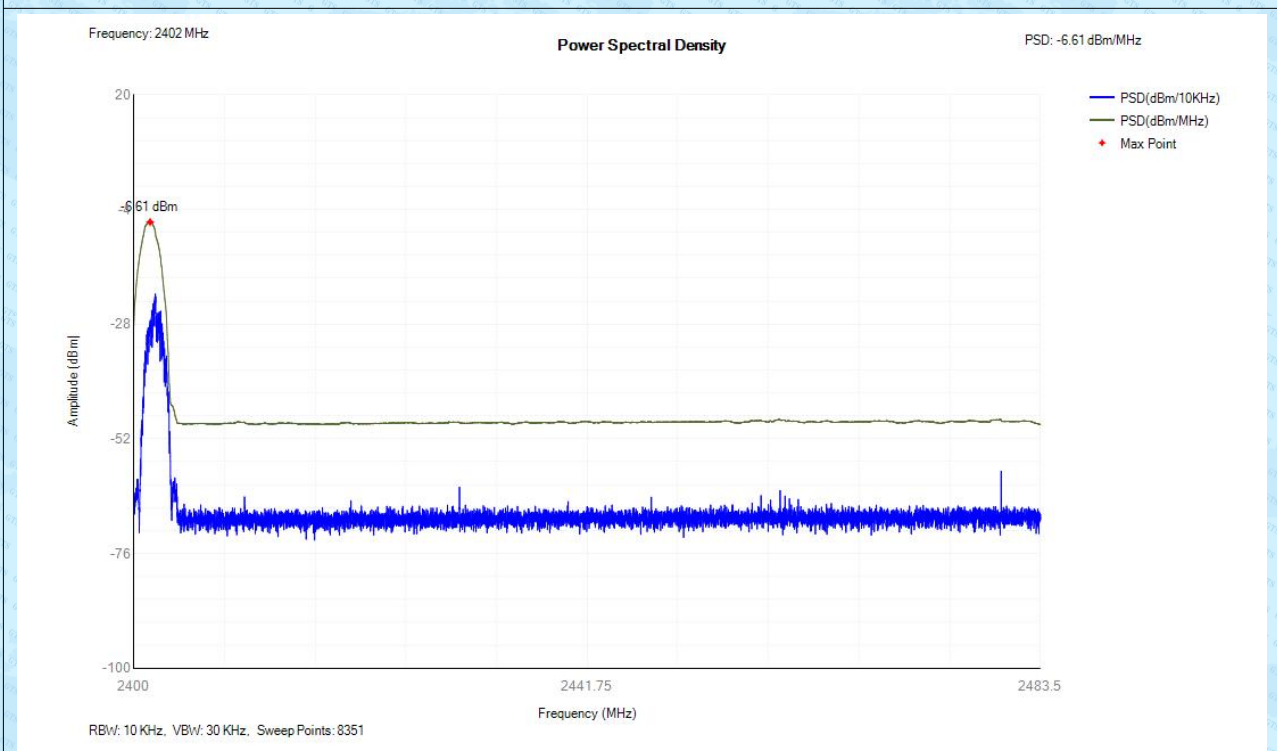
PSD NVNT BLE 1M 2440MHz Ant1



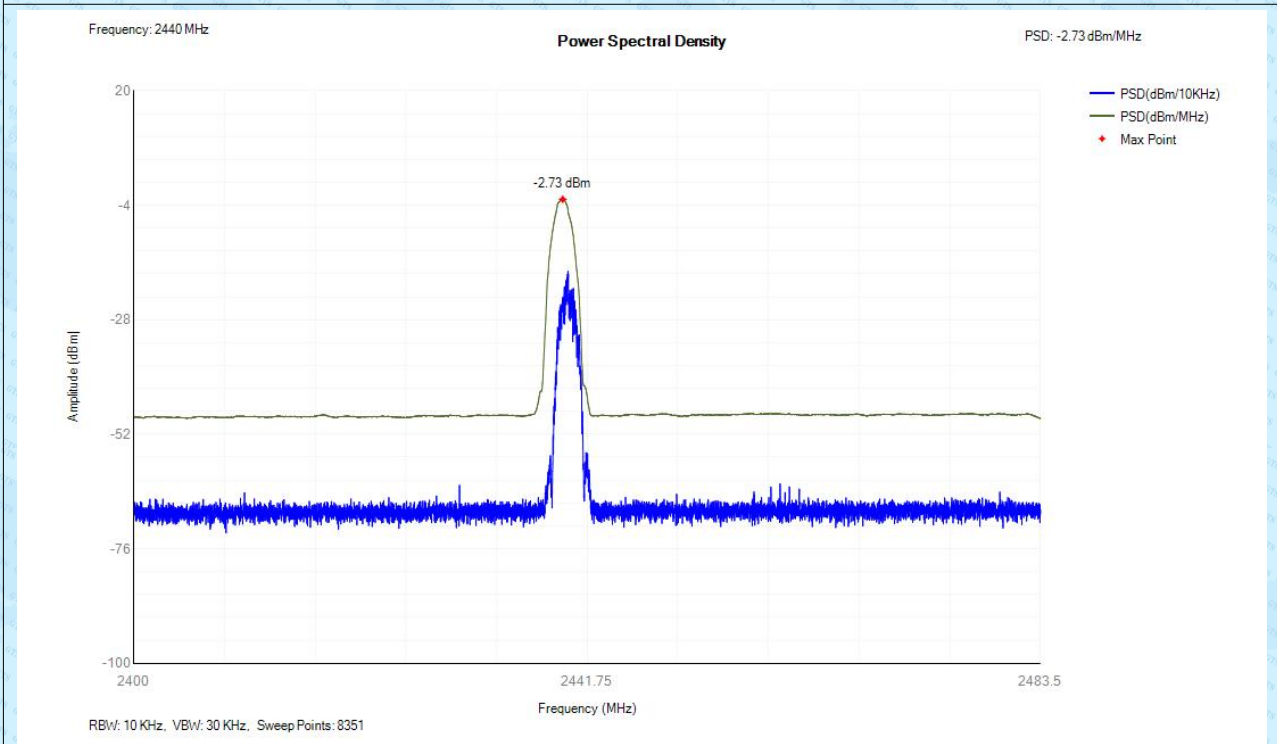
PSD NVNT BLE 1M 2480MHz Ant1



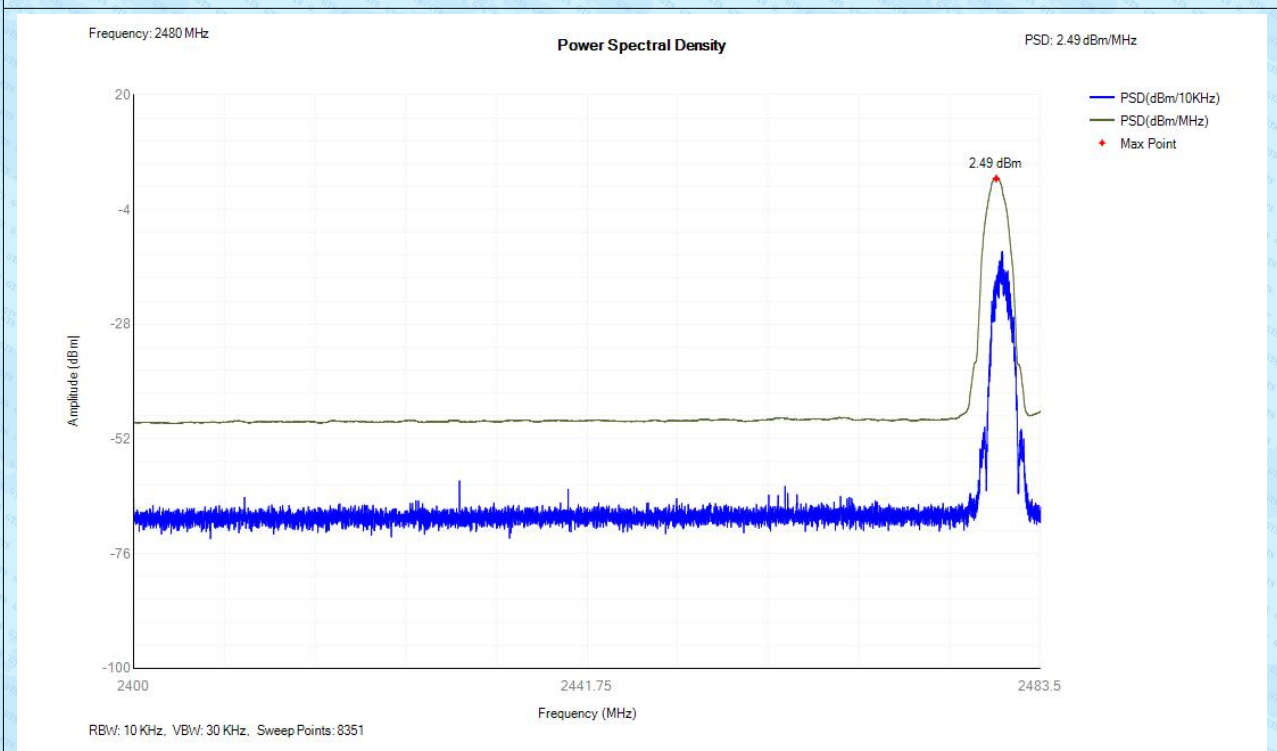
PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2440MHz Ant1



PSD NVNT BLE 2M 2480MHz Ant1

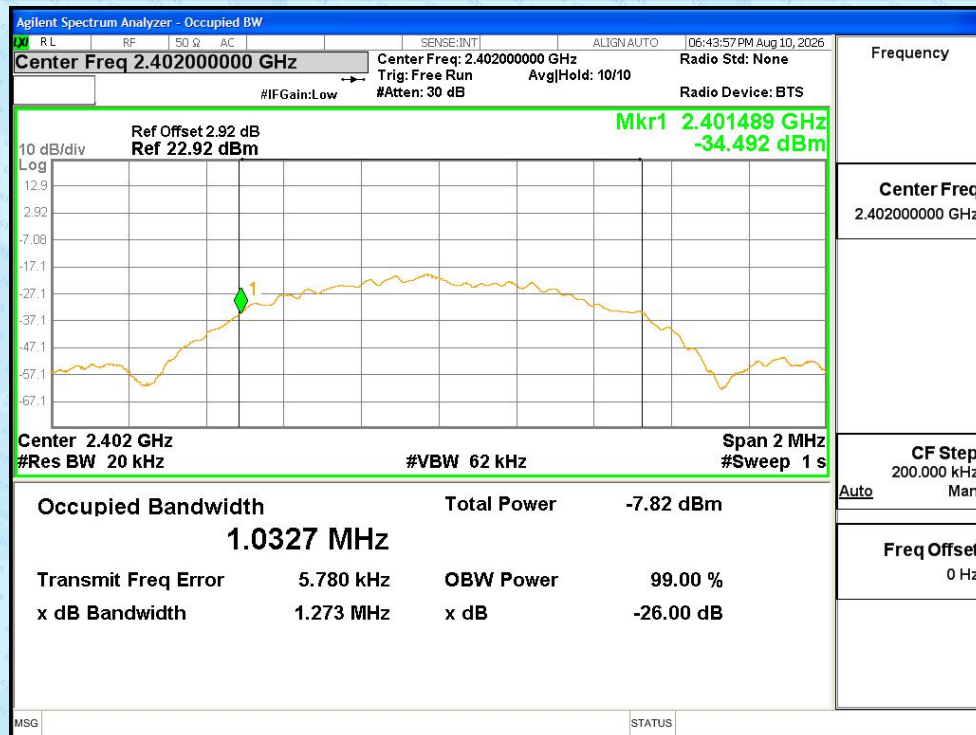


5.4.7 Occupied Channel Bandwidth

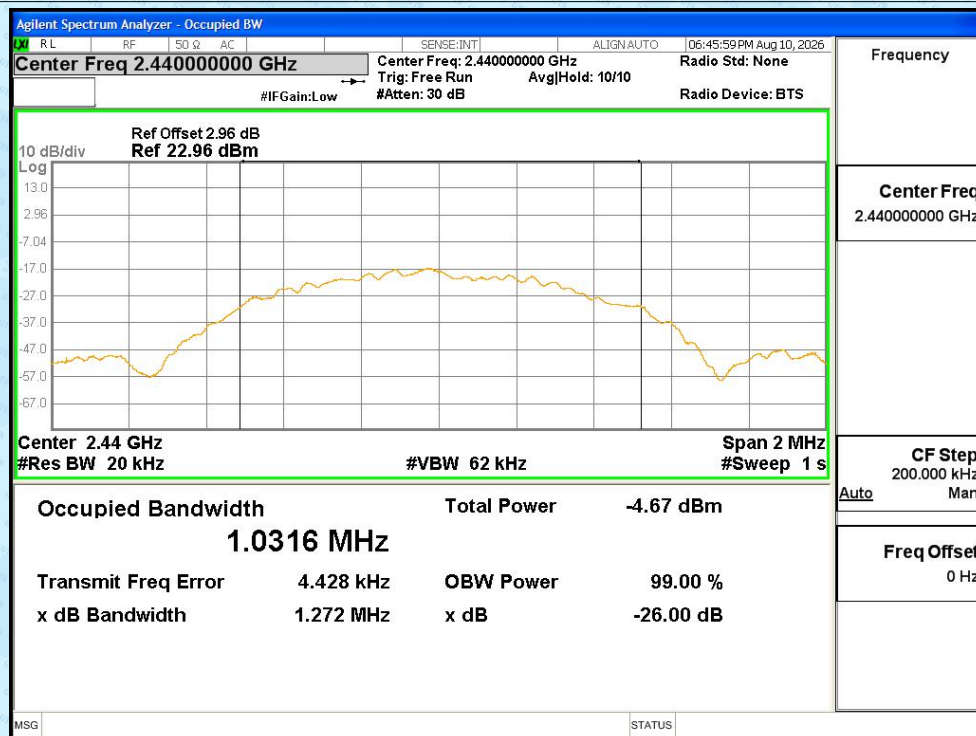
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	2402.006	1.033	2401.489	2402.522	2400 - 2483.5MHz	Pass
		2440		2440.004	1.032	2439.489	2440.52	2400 - 2483.5MHz	Pass
		2480		2480	1.034	2479.484	2480.517	2400 - 2483.5MHz	Pass
	BLE 2M	2402		2402.019	2.055	2400.992	2403.047	2400 - 2483.5MHz	Pass
		2440		2440.017	2.051	2438.992	2441.042	2400 - 2483.5MHz	Pass
		2480		2480.005	2.051	2478.979	2481.03	2400 - 2483.5MHz	Pass

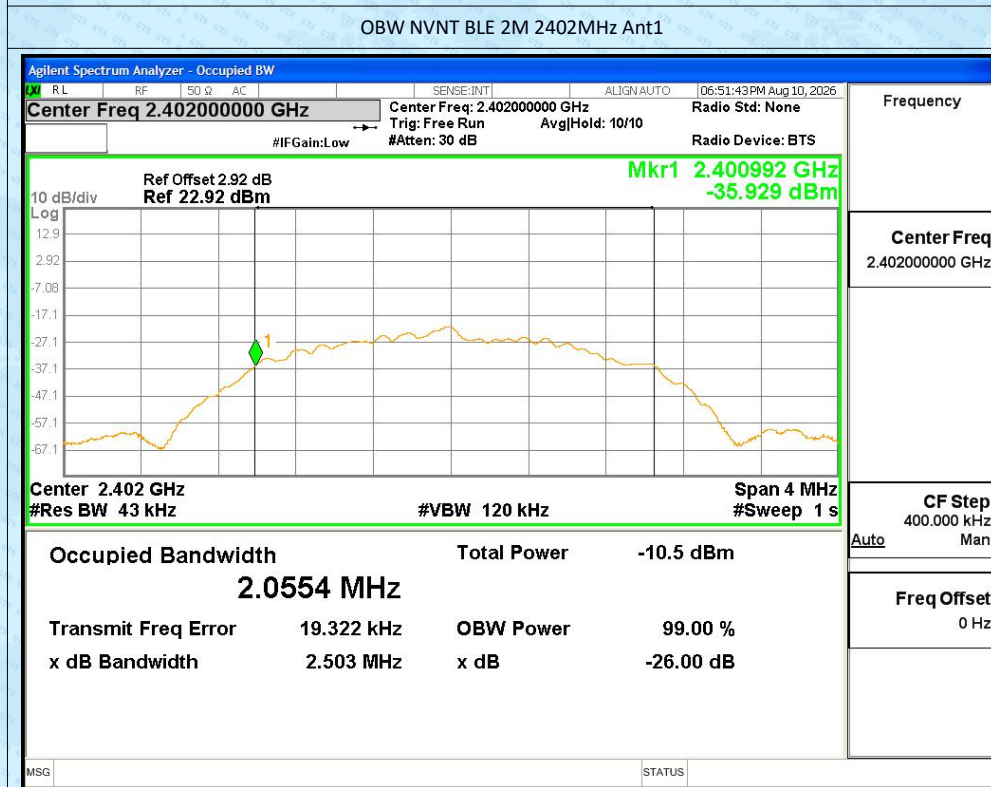
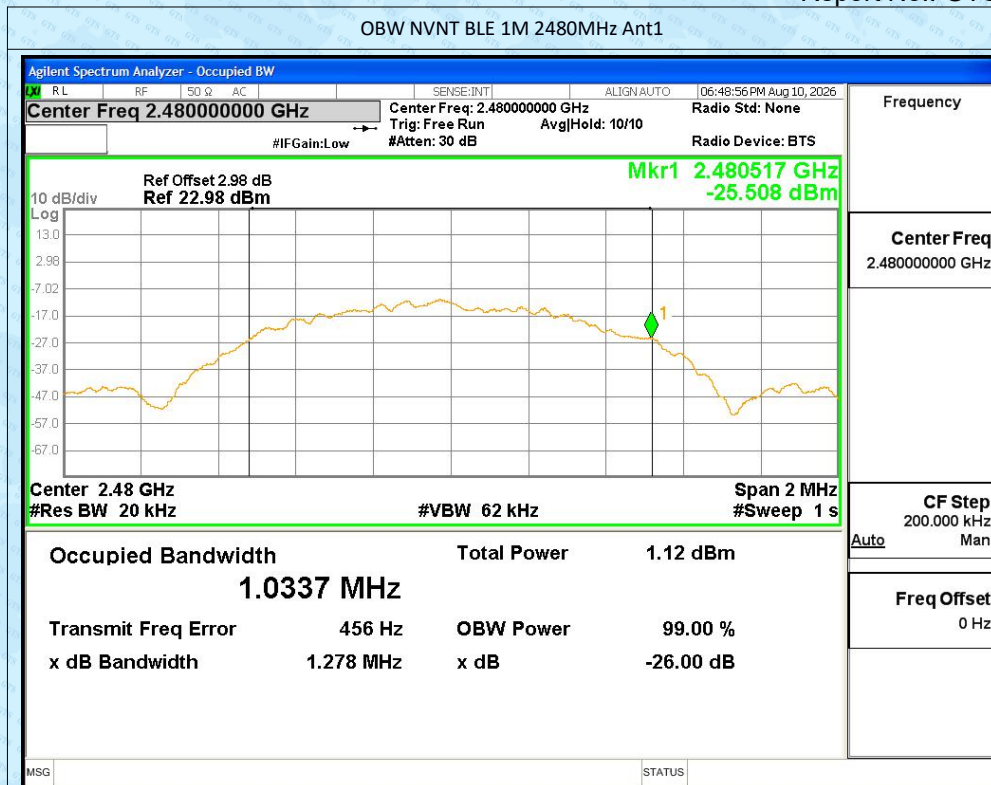
Test Graphs

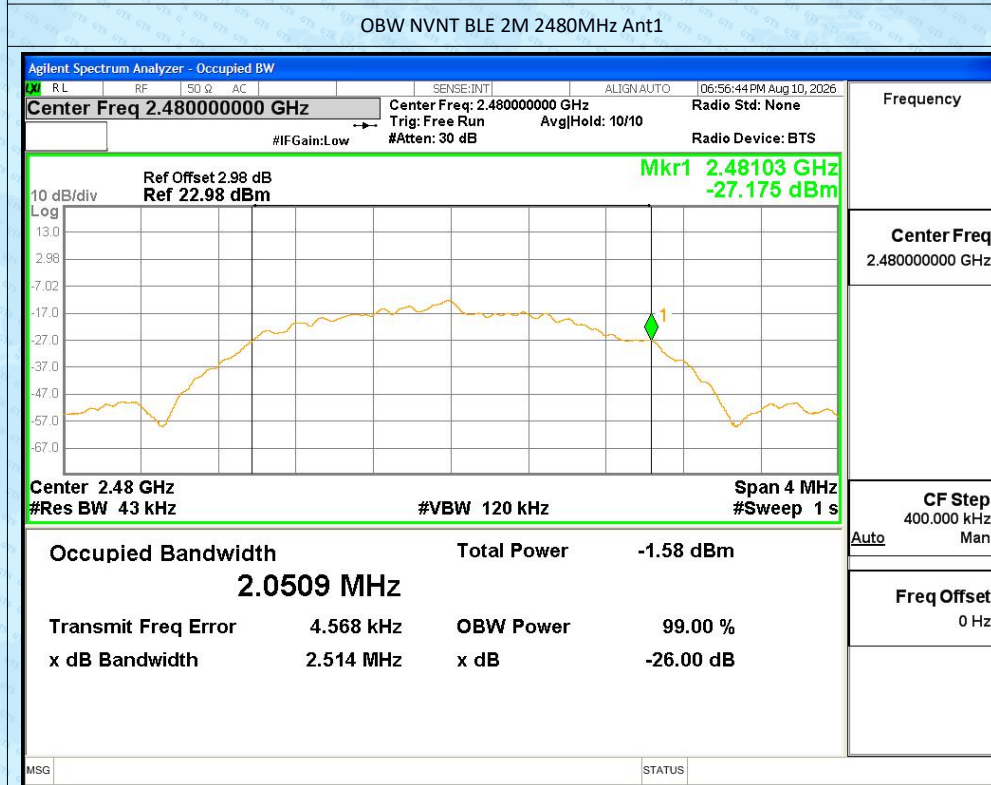
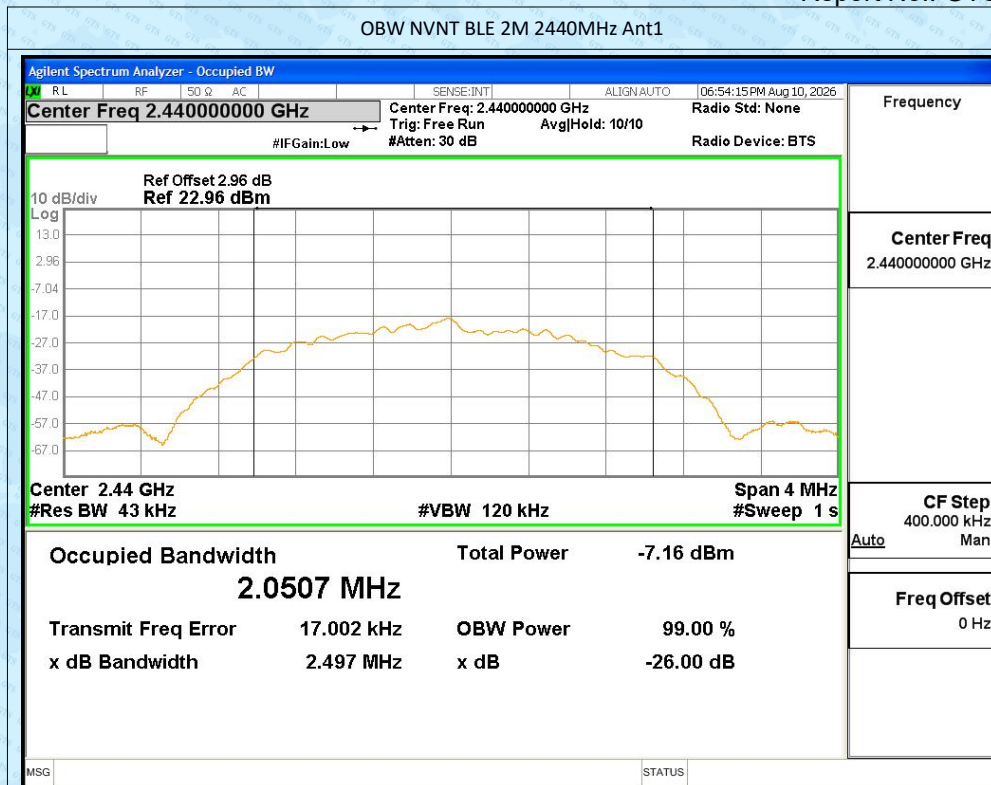
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







5.4.8 Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	2399.5	-62.55	-10	Pass
				2399.467	-62.8	-10	Pass
				2398.467	-63.47	-20	Pass
				2398.434	-63.77	-20	Pass
		2480		2484	-62.26	-10	Pass
				2484.034	-62.7	-10	Pass
				2485.034	-62.85	-20	Pass
				2485.068	-62.48	-20	Pass
	BLE 2M	2402		2399.5	-63.63	-10	Pass
				2398.5	-63.52	-10	Pass
				2398.445	-63.39	-10	Pass
				2397.445	-63.74	-20	Pass
				2396.445	-63.74	-20	Pass
				2396.39	-63.41	-20	Pass
		2480		2484	-61.99	-10	Pass
				2485	-62.23	-10	Pass
				2485.051	-62.19	-10	Pass
				2486.051	-62.65	-20	Pass
				2487.051	-62.96	-20	Pass
				2487.102	-62.65	-20	Pass

5.4.9 Transmitter unwanted emissions in the spurious domain

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level (dBm)		
58.80	Vertical	-62.92	-54.00	Pass
95.09	V	-64.75		
30.07	V	-57.57	-36.00	
80.64	V	-71.45		
4804.00	V	-47.60	-30.00	
96.60	Horizontal	-64.88	-54.00	
172.43	H	-67.25		
75.79	H	-75.47	-36.00	
394.37	H	-60.49		
4804.00	H	-45.35	-30.00	
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level (dBm)		
57.33	Vertical	-61.66	-54.00	Pass
96.63	V	-63.96		
30.38	V	-57.09	-36.00	
81.09	V	-69.12		
4960.00	V	-48.22	-30.00	
93.95	Horizontal	-67.04	-54.00	
171.45	H	-64.63		
79.27	H	-65.36	-36.00	
395.56	H	-62.64		
4960.00	H	-44.78	-30.00	

5.4.10 Receiver spurious emissions

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
31.35	Vertical	-60.58	-57.00	Pass
97.96	V	-58.90		
4804.00	V	-60.99	-47.00	
381.53	Horizontal	-61.99	-57.00	
394.36	H	-64.81		
4804.00	H	-62.76	-47.00	
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
31.05	Vertical	-59.80	-57.00	Pass
96.64	V	-60.69		
4960.00	V	-59.19	-47.00	
374.96	Horizontal	-62.01	-57.00	
395.88	H	-62.07		
4960.00	H	-60.62	-47.00	

5.4.11 Receiver Blocking

Condition	Mode	Frequency (MHz)	Antenna	Wanted Power (dBm)	Blocking Frequency (MHz)	Blocking Power (dBm)	PER (%)	Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-67.06	2380	-32.2	0	10	Pass
				-67.06	2300	-32.2	0	10	Pass
		2480		-67.06	2504	-32.2	0	10	Pass
				-67.06	2584	-32.2	0	10	Pass

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