

## Appendix A for SHEM210100054101

### 1.6dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit	Verdict
BLE	2402	0.68	0.5	PASS
BLE	2440	0.69	0.5	PASS
BLE	2480	0.69	0.5	PASS



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**6dB Bandwidth\_BLE\_2440**

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.44000000 GHz

Center Freq: 2.44000000 GHz

Trig: Free Run

Avg/Hold: 1/1

Radio Std: None

Radio Device: BTS

#IF Gain: Low

#Atten: 20 dB

Ref Offset 8.95 dB

Ref 18.95 dBm

Mkr1 2.4399985 GHz

-9.2114 dBm

Center 2.44 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 6 MHz

Sweep 1.067 ms

MSG

STATUS

Frequency

Center Freq

2.44000000 GHz

CF Step

600.000 kHz

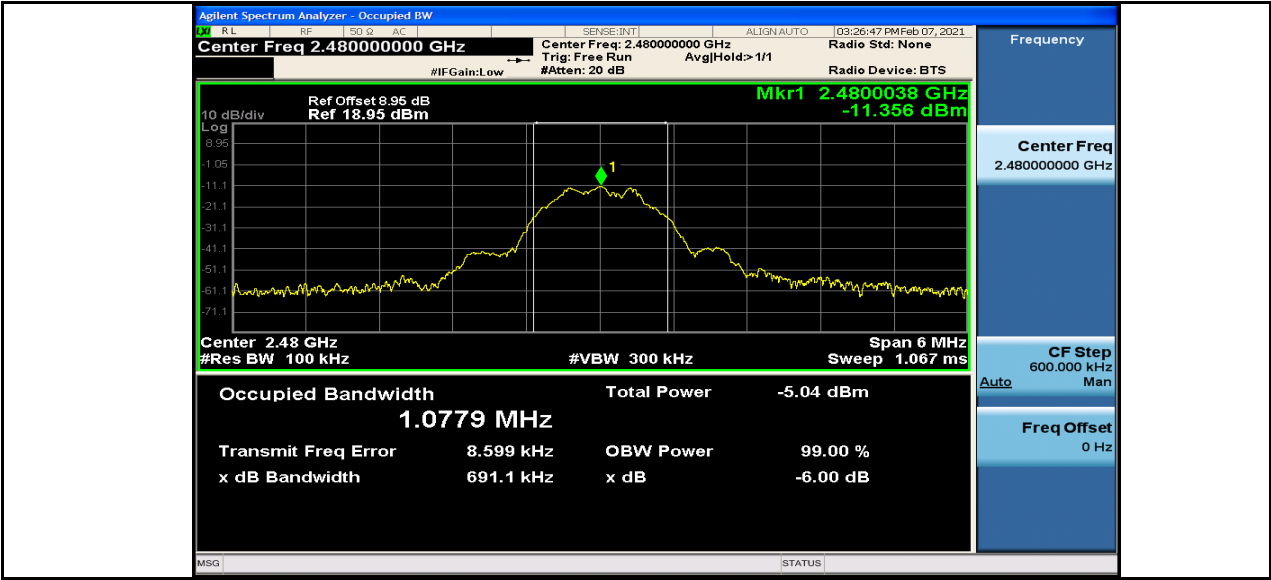
Auto

Man

Freq Offset

0 Hz

**6dB Bandwidth\_BLE\_2480**

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## 2.Occupied Bandwidth

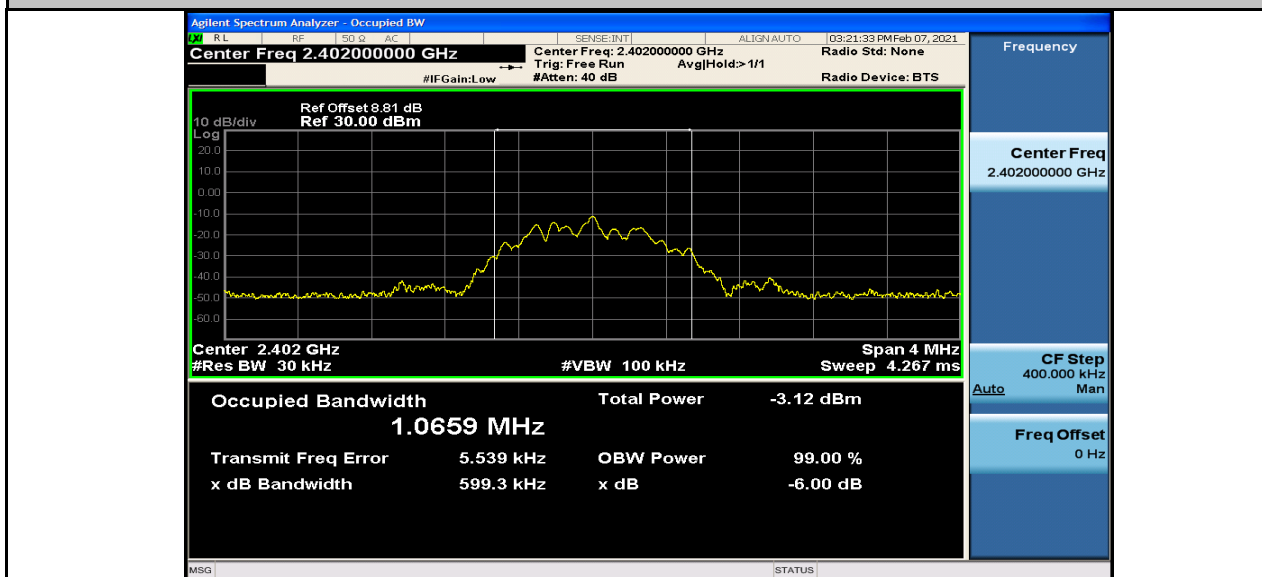
Test Mode	Test Channel	OBW[MHz]	Limit[MHz]	Verdict
BLE	2402	1.07	---	PASS
BLE	2440	1.07	---	PASS
BLE	2480	1.10	---	PASS



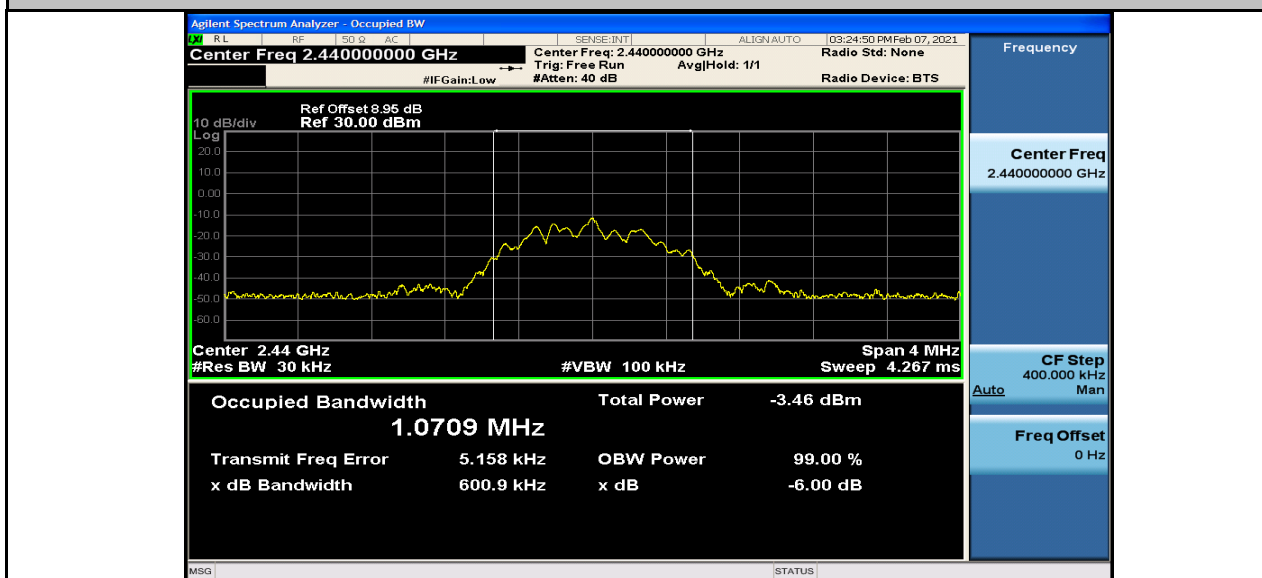
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### Occupied Bandwidth\_BLE\_2402



### Occupied Bandwidth\_BLE\_2440



### Occupied Bandwidth\_BLE\_2480

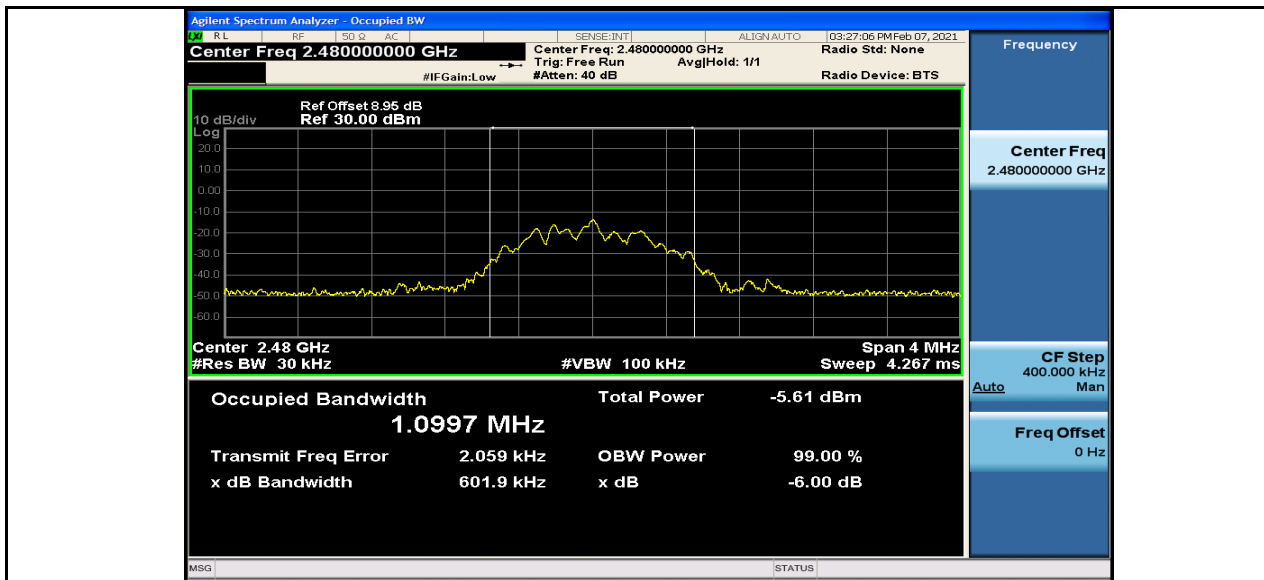


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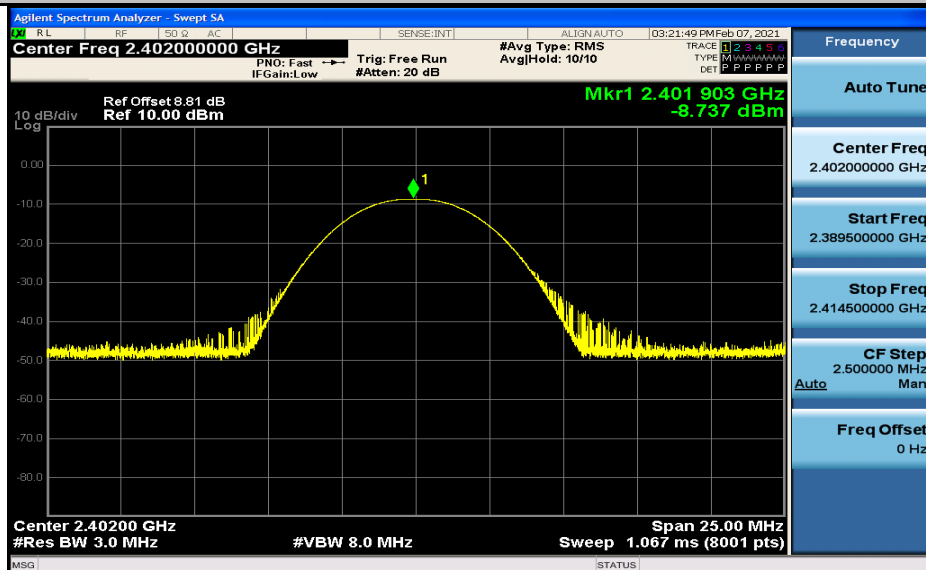
### 3.Maximum peak conducted output power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	-8.74	30	PASS
BLE	2440	-9	30	PASS
BLE	2480	-11.09	30	PASS

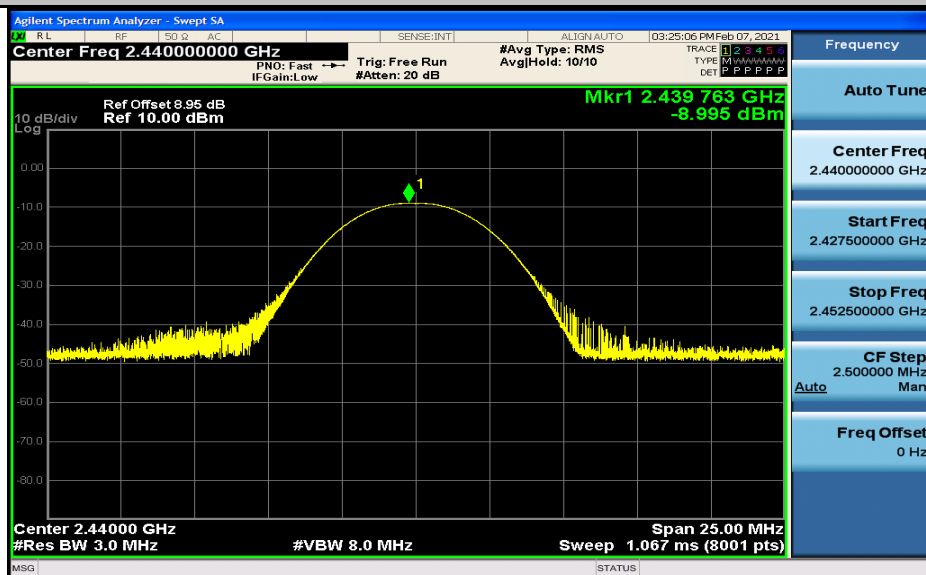


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## Maximum peak conducted output power\_BLE\_2402



## Maximum peak conducted output power\_BLE\_2440



## Maximum peak conducted output power\_BLE\_2480



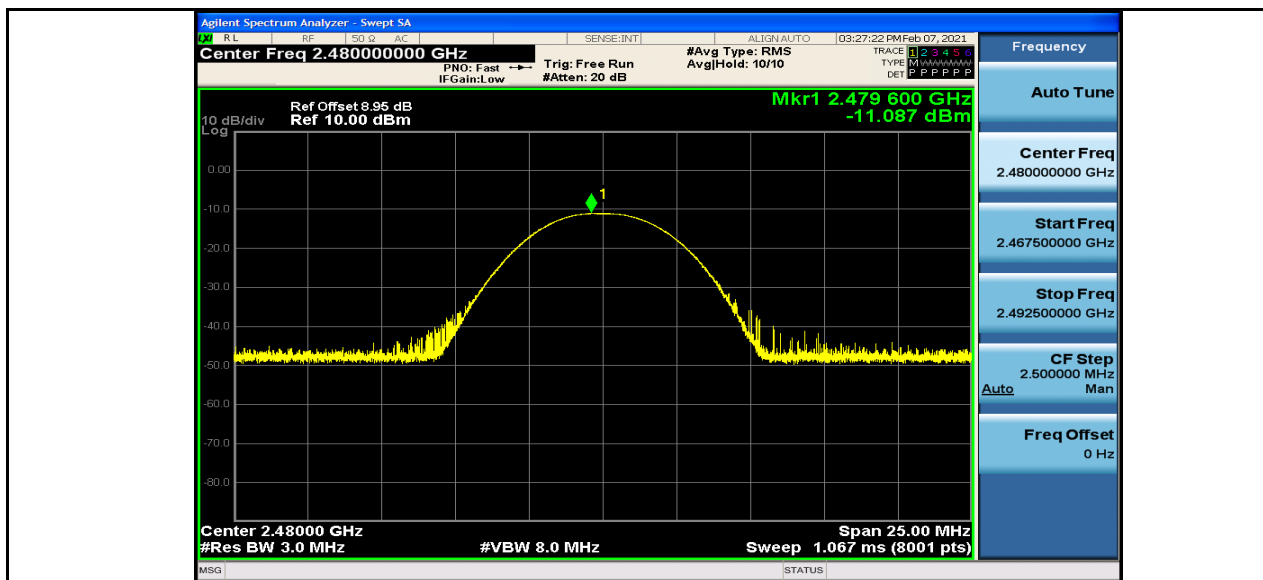
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#### 4.Maximum Peak power spectral density

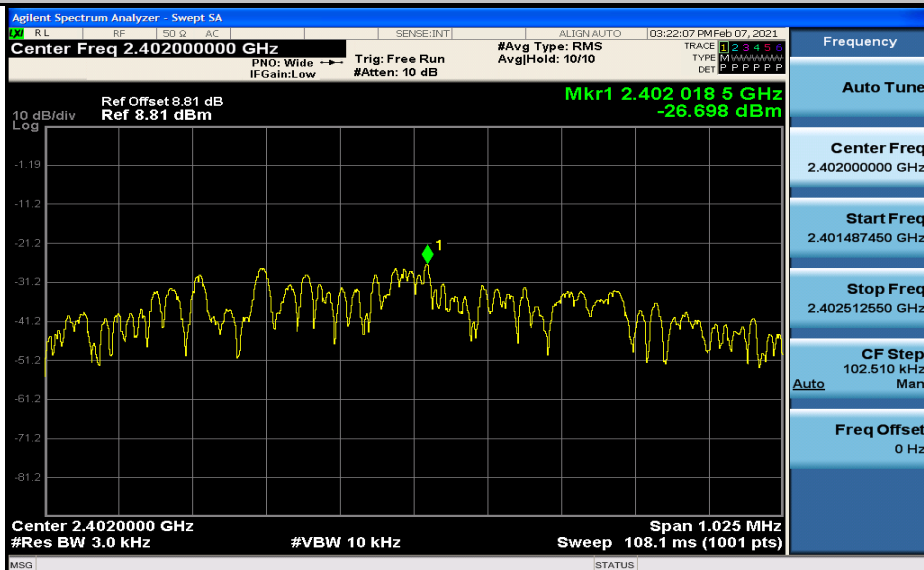
Test Mode	Test Channel	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	2402	-26.7	8.00	PASS
BLE	2440	-26.91	8.00	PASS
BLE	2480	-29.04	8.00	PASS



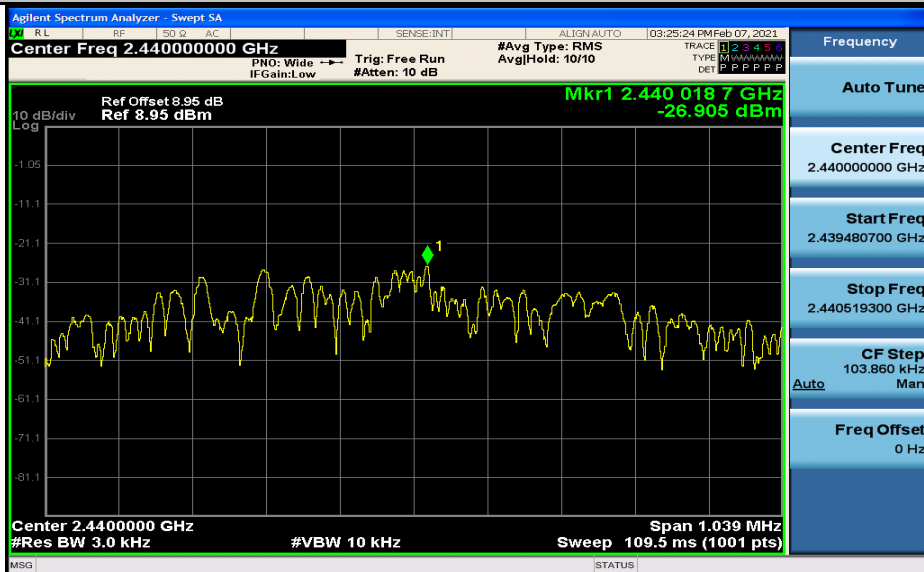
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## Maximum Peak power spectral density\_BLE\_2402



## Maximum Peak power spectral density\_BLE\_2440



## Maximum Peak power spectral density\_BLE\_2480



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## 5. Band-edge for RF Conducted Emissions

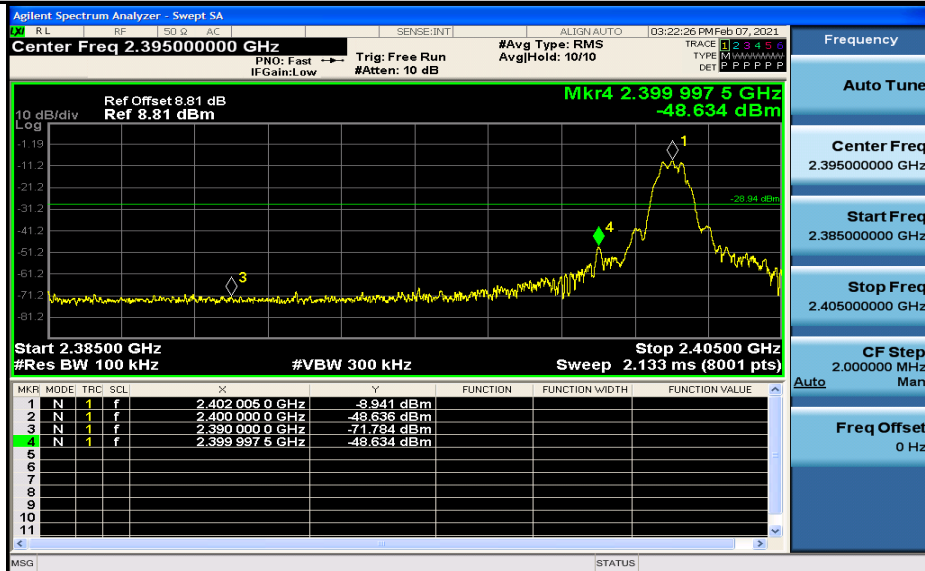
Test Mode	Test Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	2402	-8.94	-48.63	-28.94	PASS
BLE	2480	-11.24	-63.55	-31.24	PASS



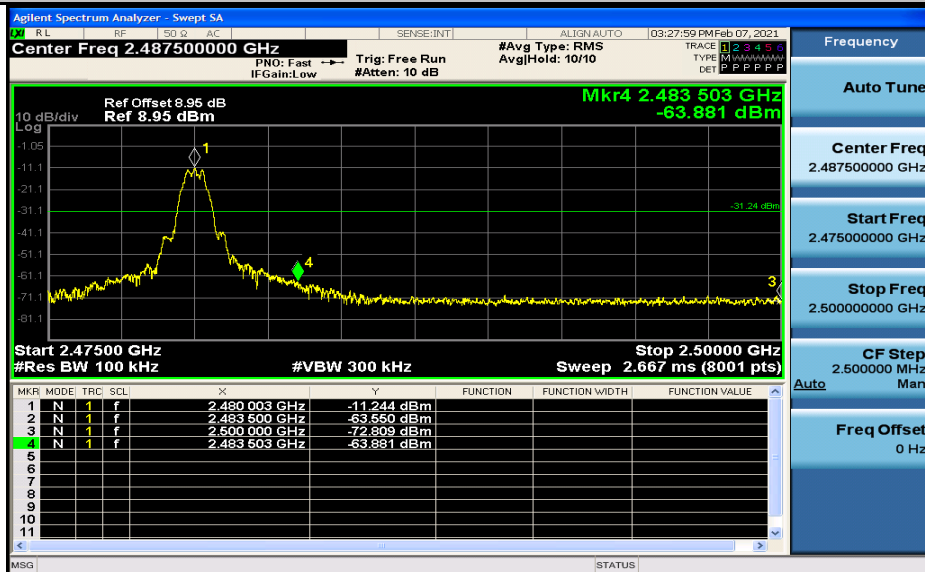
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## Band-edge for RF Conducted Emissions\_BLE\_2402\_Hopping Off



## Band-edge for RF Conducted Emissions\_BLE\_2480\_Hopping Off



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## 6.RF Conducted Spurious Emissions

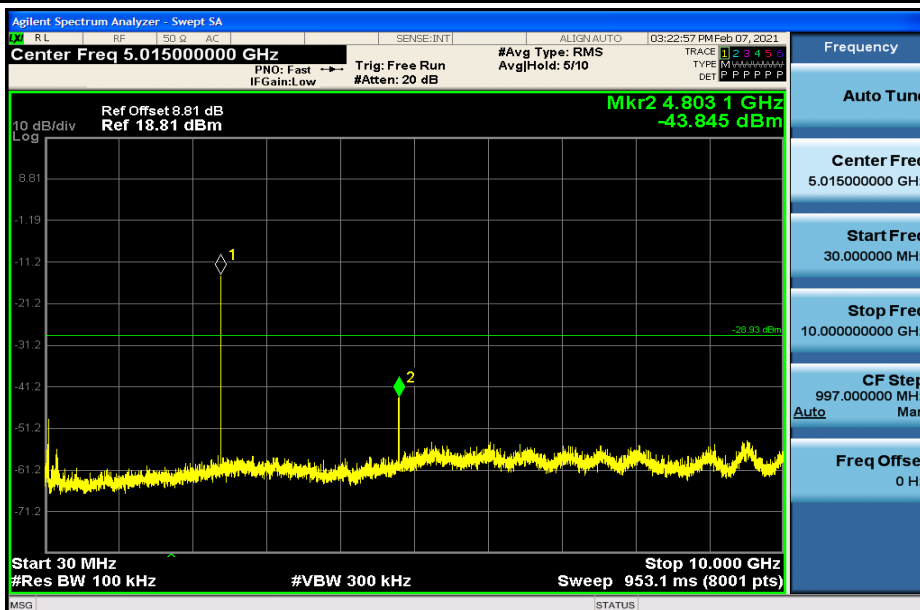
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE	2402	30	10000	100	300	-8.93	-43.85	<-28.93	PASS
BLE	2402	10000	26000	100	300	-8.926	-44.285	<-28.926	PASS
BLE	2440	30	10000	100	300	-9.21	-48.20	<-29.21	PASS
BLE	2440	10000	26000	100	300	-9.208	-44.386	<-29.208	PASS
BLE	2480	30	10000	100	300	-11.34	-48.78	<-31.34	PASS
BLE	2480	10000	26000	100	300	-11.339	-44.371	<-31.339	PASS



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RF Conducted Spurious Emissions\_BLE\_2402

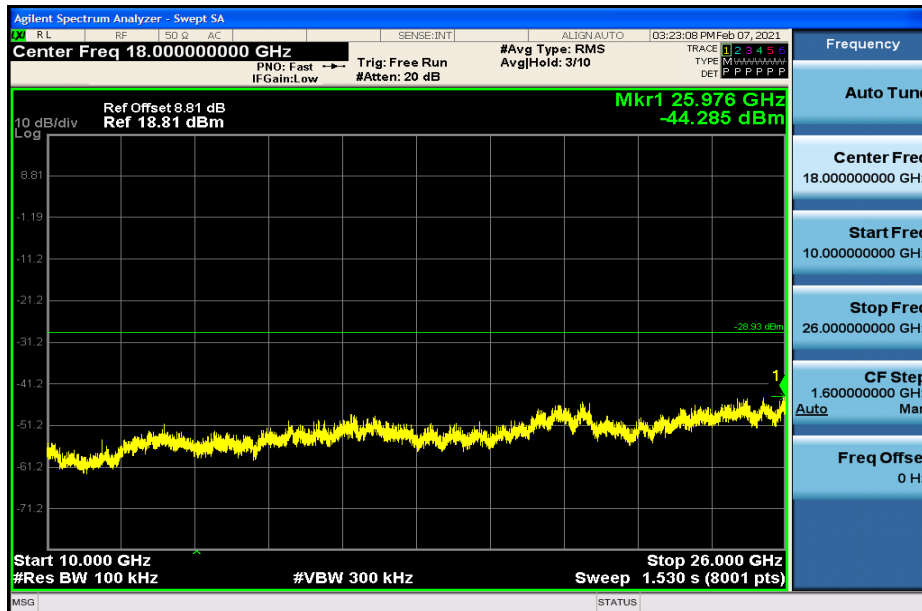


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RF Conducted Spurious Emissions\_BLE\_2440

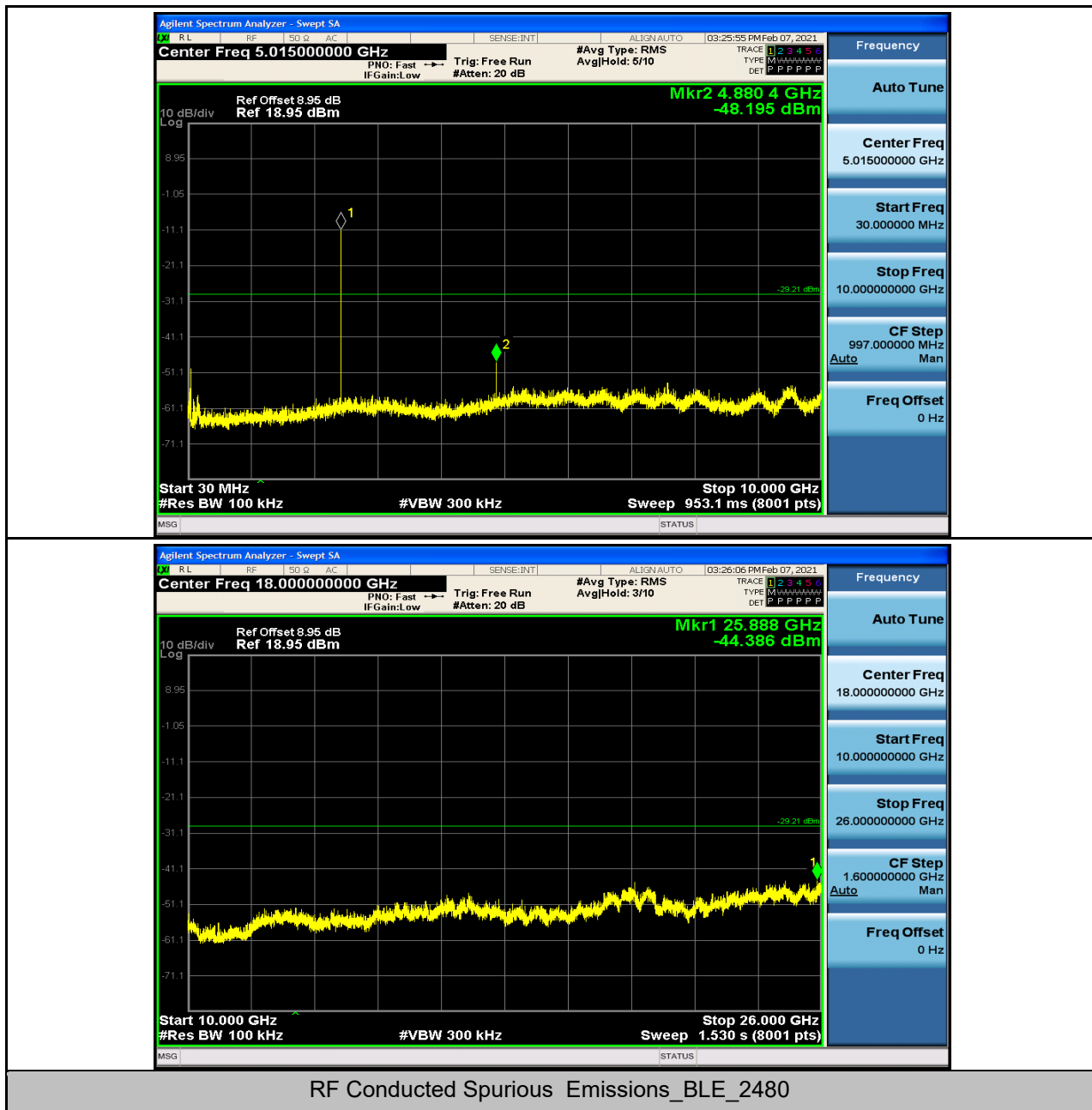


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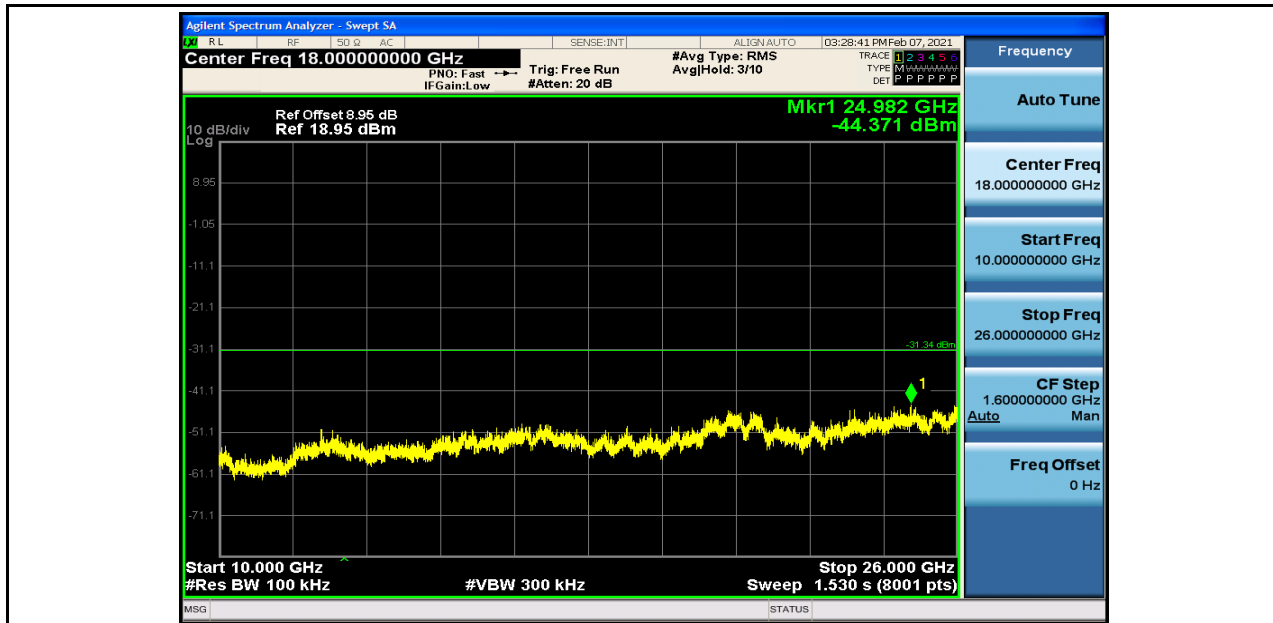
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