

Appendix A for SHEM210400299801

1.6dB Bandwidth

Test Mode	Test Channel	EBW[MHz]		Limit	Verdict
		1MHz	2MHz		
BLE	2402	0.70	1.14	0.5	PASS
BLE	2440	0.67	1.15	0.5	PASS
BLE	2480	0.68	1.14	0.5	PASS



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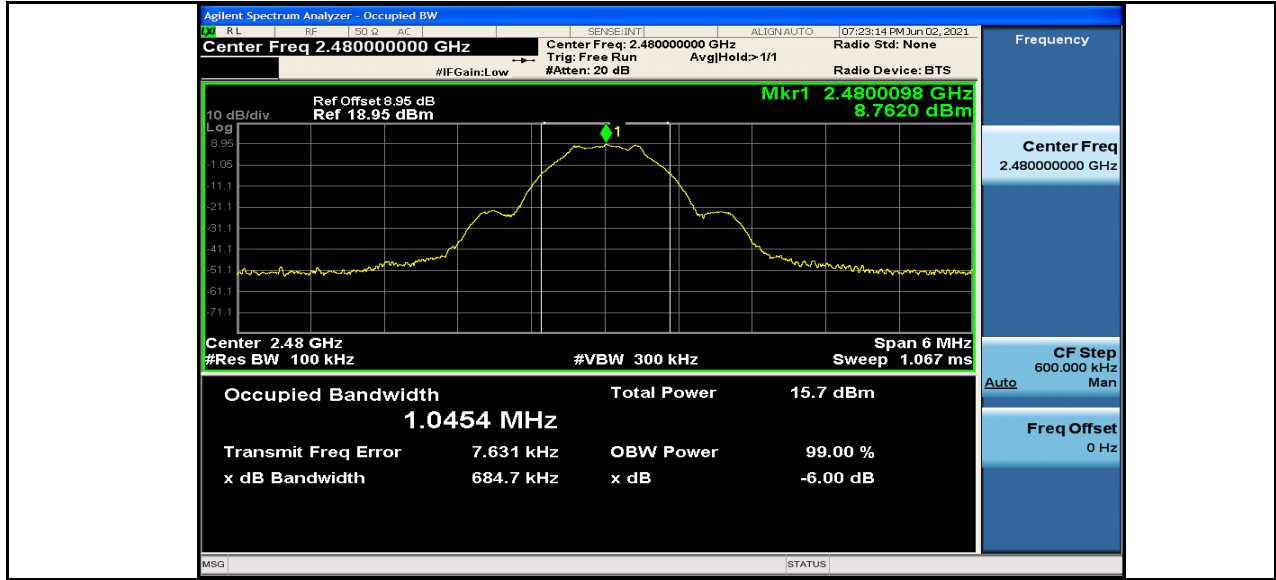
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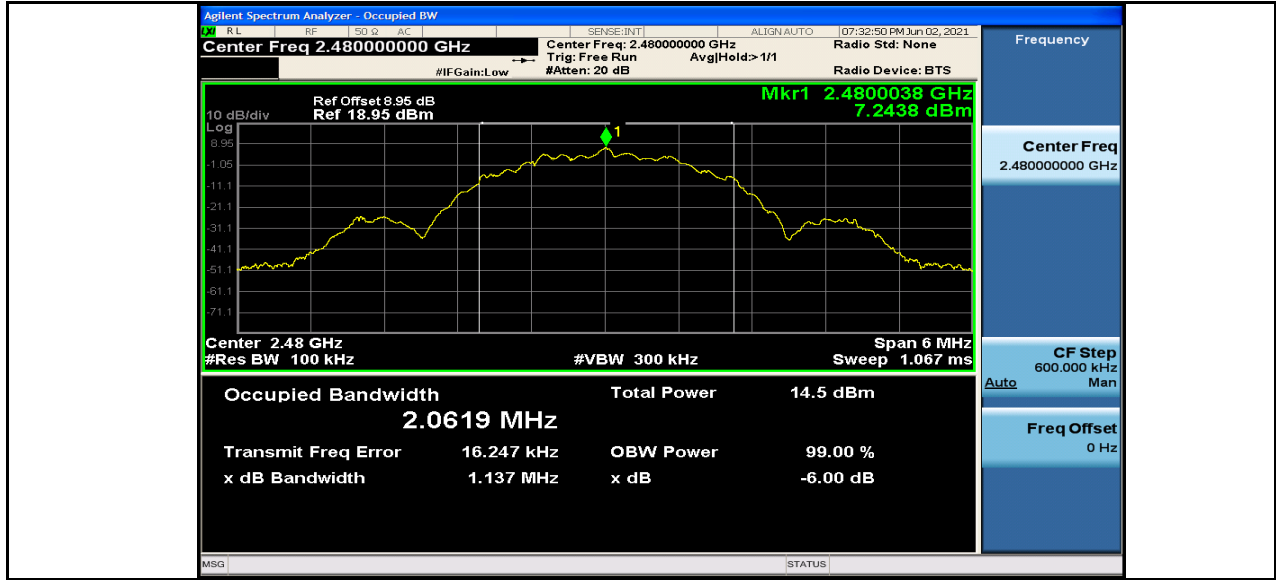


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2.Occupied Bandwidth

Test Mode	Test Channel	OBW[MHz]		Limit	Verdict
		1MHz	2MHz		
BLE	2402	1.04	2.06	---	PASS
BLE	2440	1.03	2.06	---	PASS
BLE	2480	1.04	2.06	---	PASS



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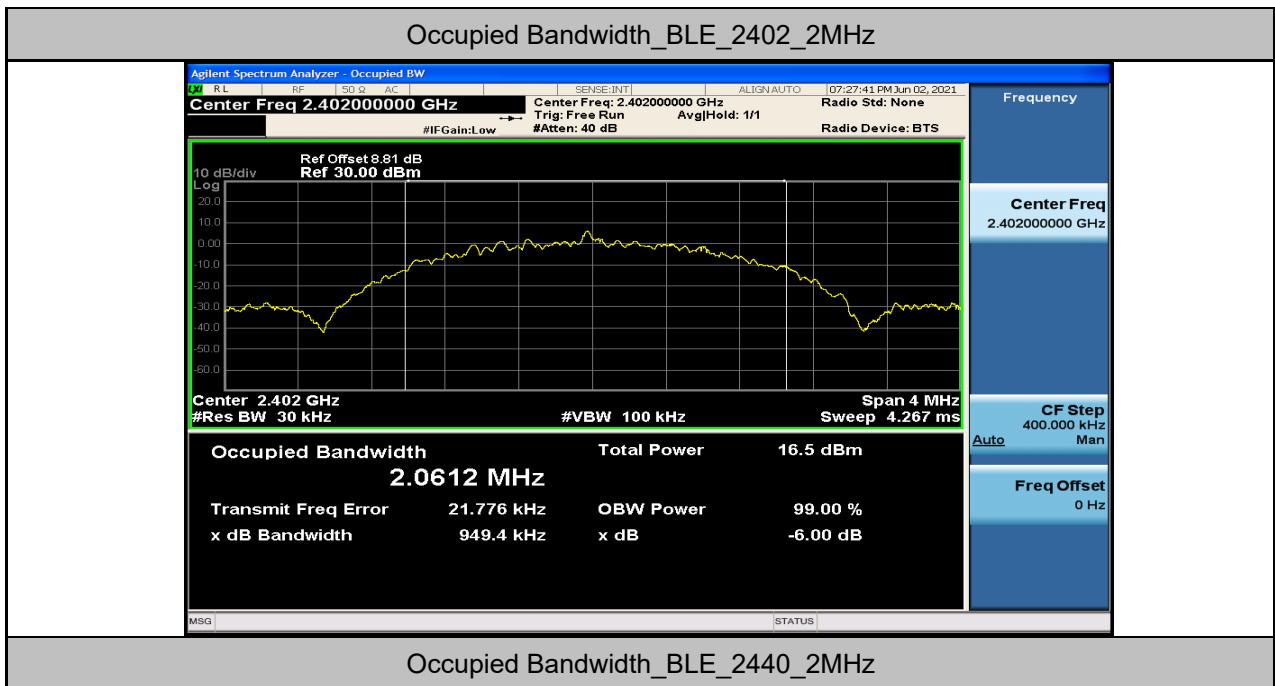
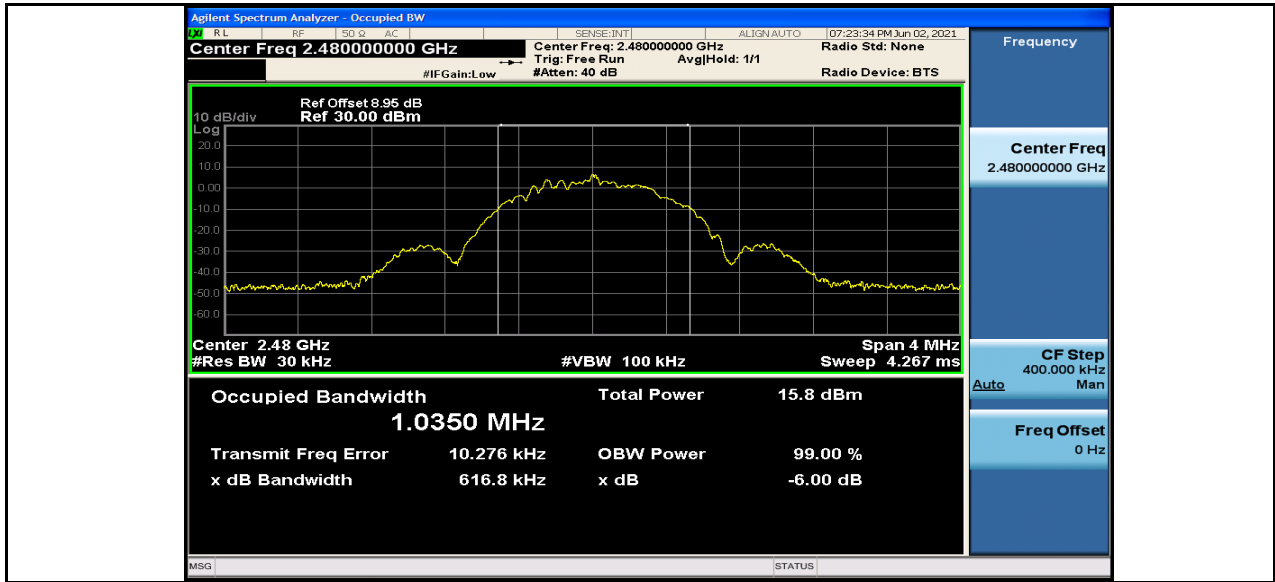


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Occupied Bandwidth_BLE_2402_2MHz

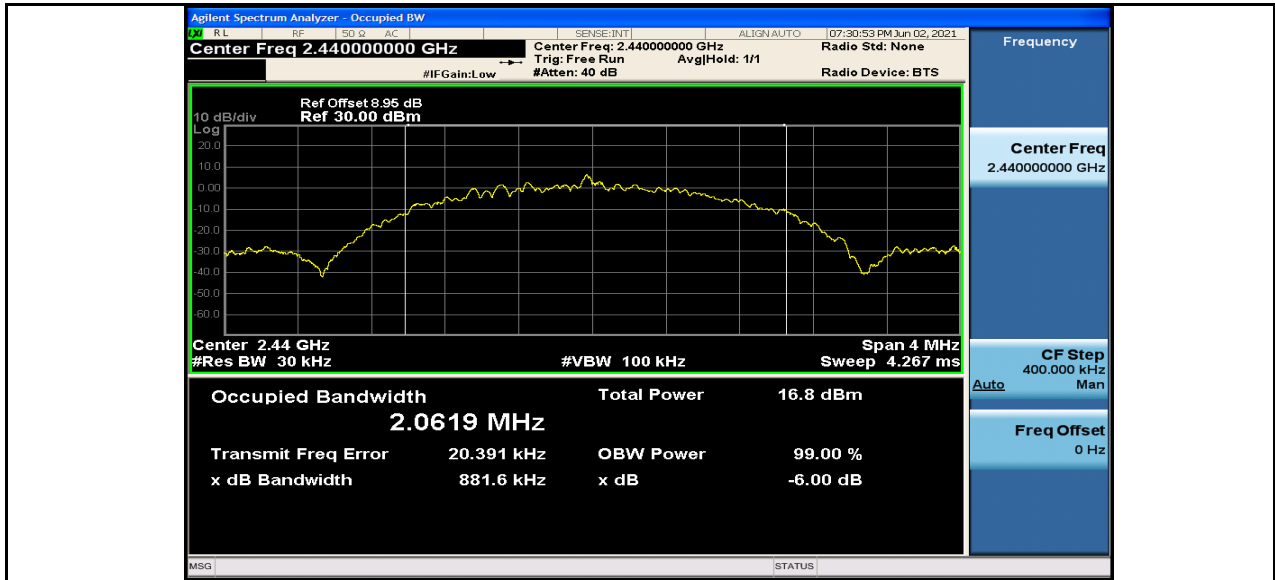
Occupied Bandwidth_BLE_2440_2MHz



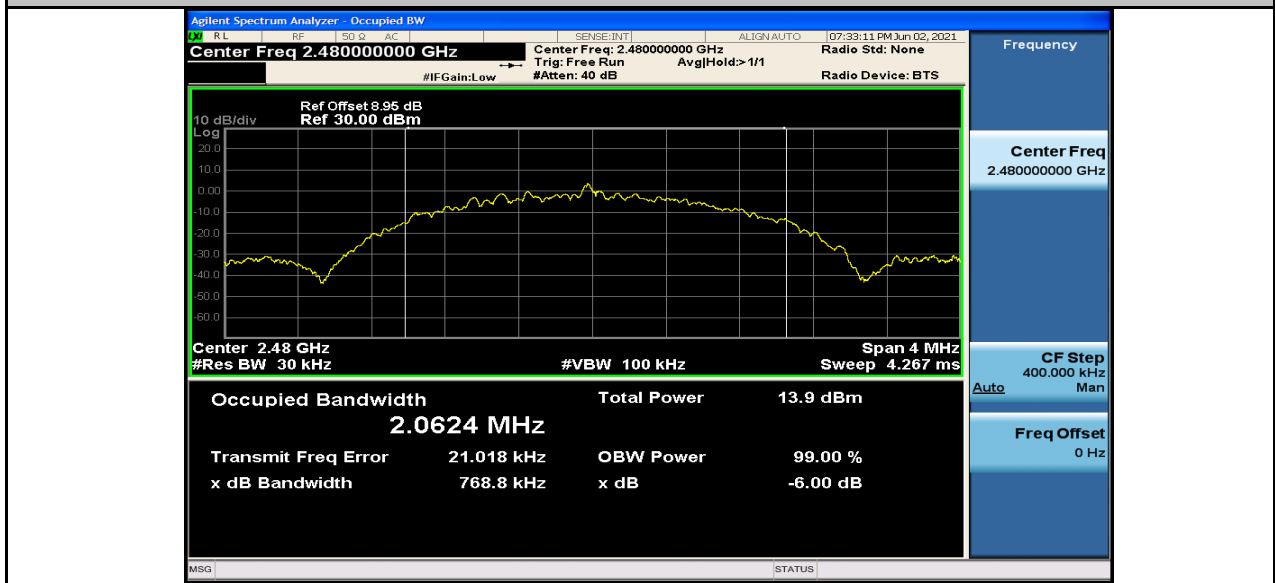
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Occupied Bandwidth_BLE_2480_2MHz



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3. Maximum peak conducted output power

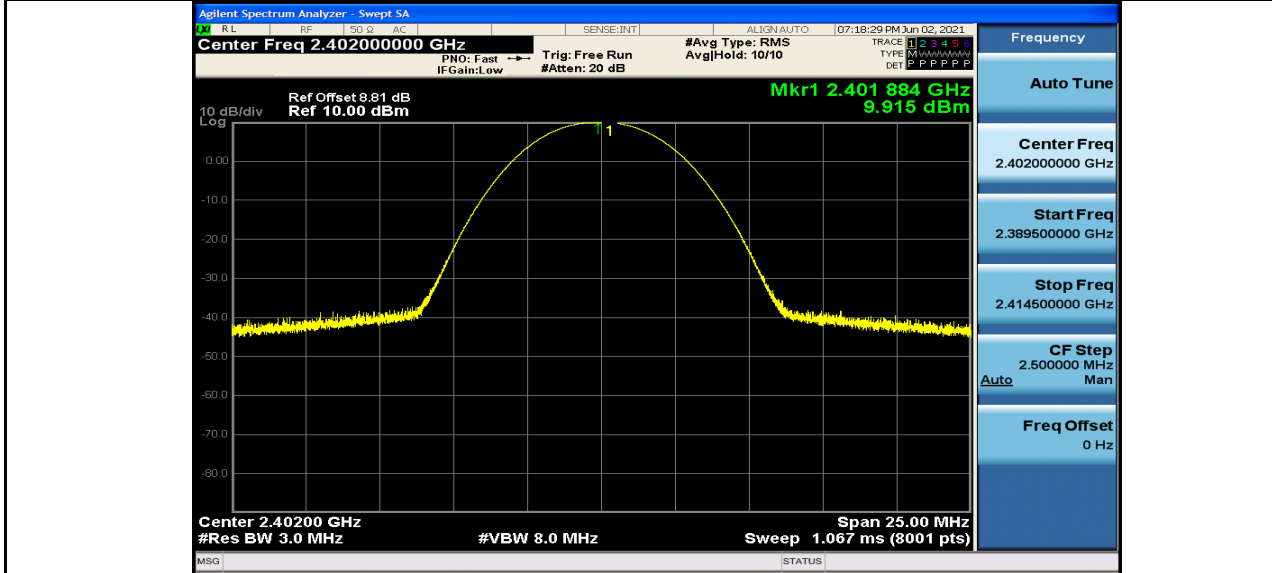
Test Mode	Test Channel	Power[dBm]		Limit	Verdict
		1MHz	2MHz		
BLE	2402	9.92	10.06	30	PASS
BLE	2440	10.12	10.49	30	PASS
BLE	2480	9.17	7.67	30	PASS



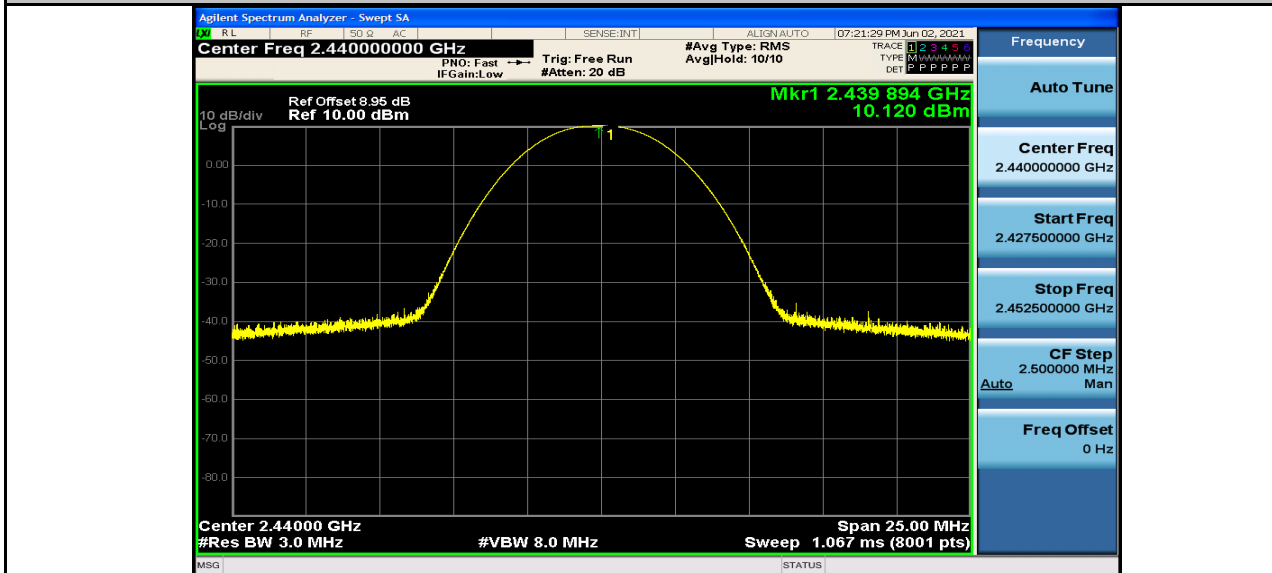
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Maximum peak conducted output power_BLE_2402_1MHz



Maximum peak conducted output power_BLE_2440_1MHz



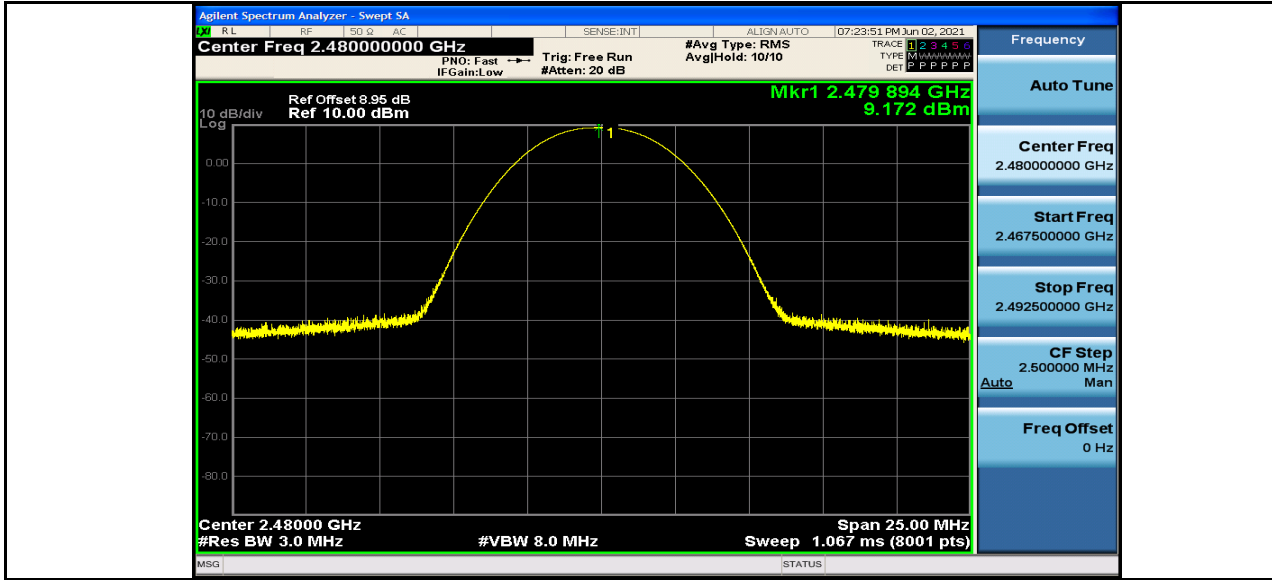
Maximum peak conducted output power_BLE_2480_1MHz



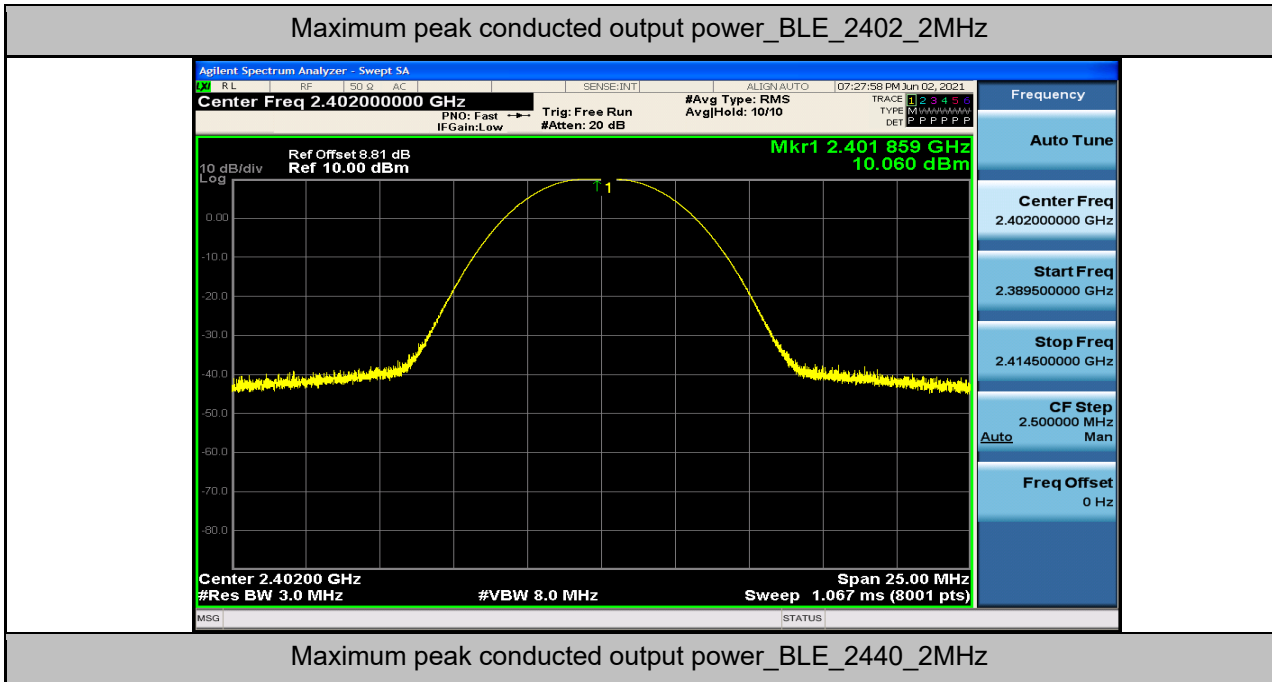
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Maximum peak conducted output power_BLE_2402_2MHz



Maximum peak conducted output power_BLE_2440_2MHz

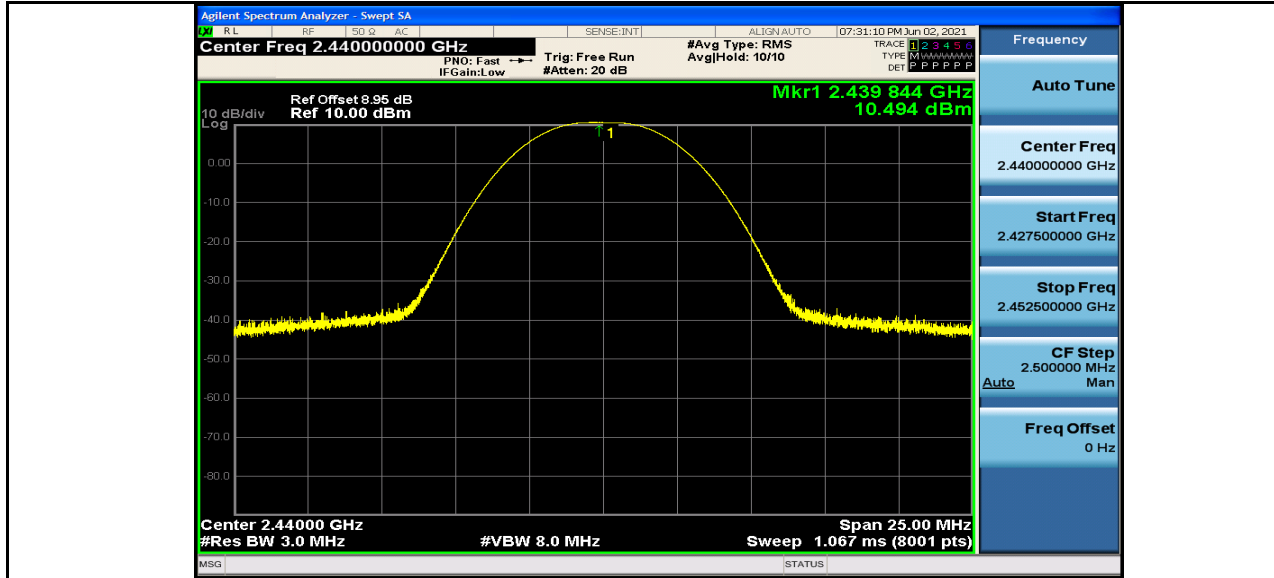


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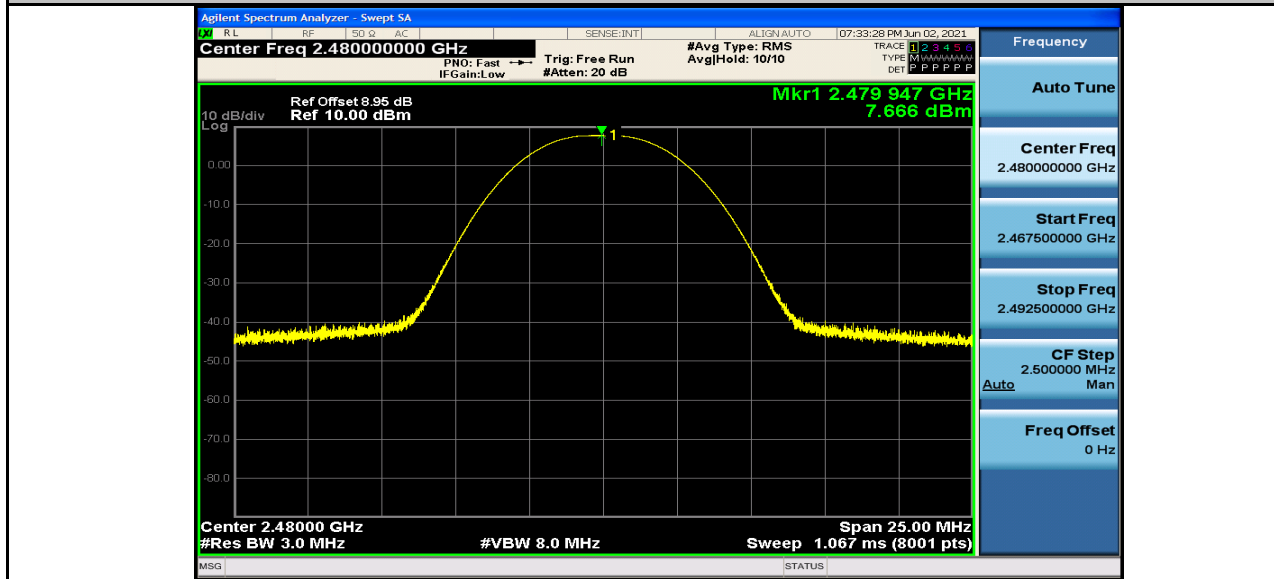
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Maximum peak conducted output power_BLE_2480_2MHz



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4. Maximum Peak power spectral density

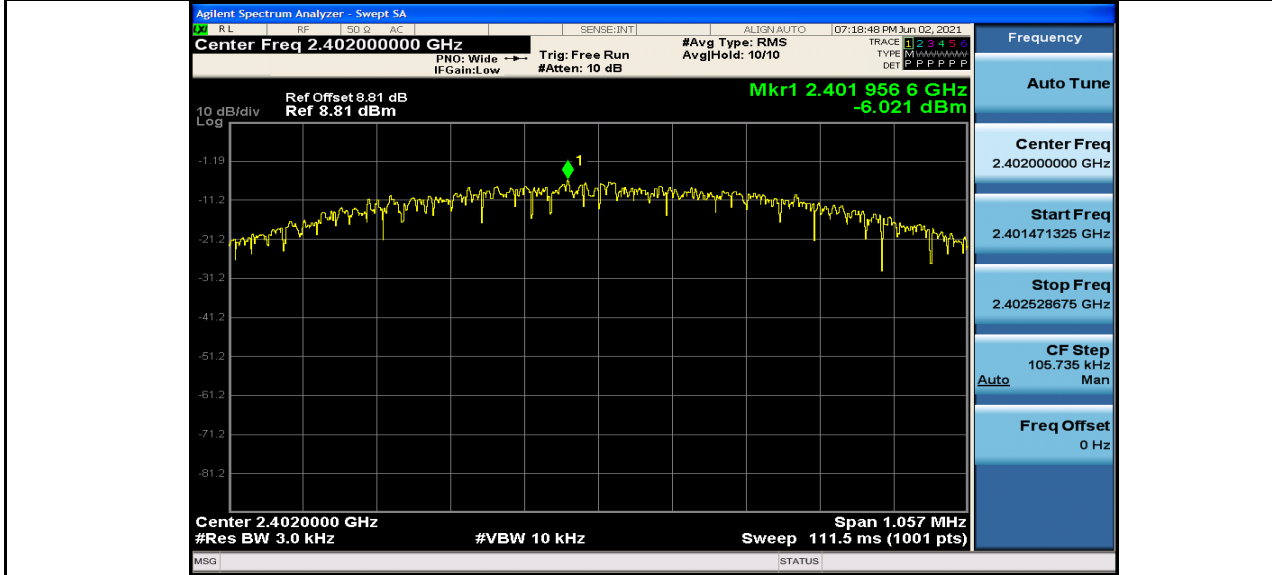
Test Mode	Test Channel	PSD[dBm/3kHz]		Limit[dBm/3kHz]	Verdict
		1MHz	2MHz		
BLE	2402	-6.02	-7.17	8.00	PASS
BLE	2440	-5.83	-7.39	8.00	PASS
BLE	2480	-7.25	-10.73	8.00	PASS



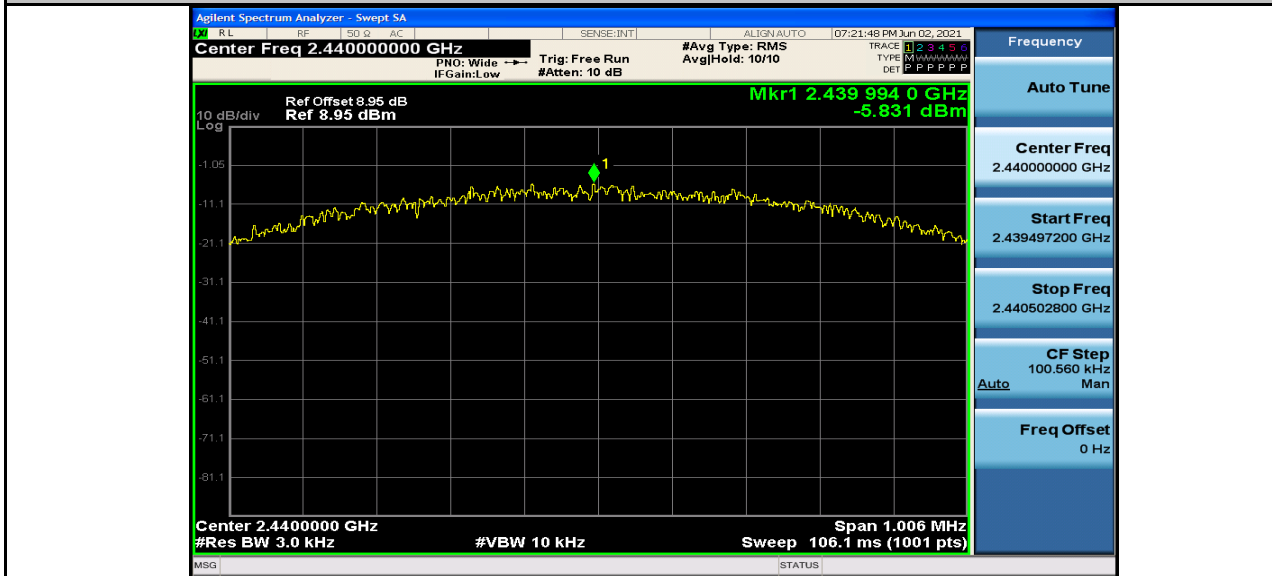
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Maximum Peak power spectral density_BLE_2402_1MHz



Maximum Peak power spectral density_BLE_2440_1MHz



Maximum Peak power spectral density_BLE_2480_1MHz



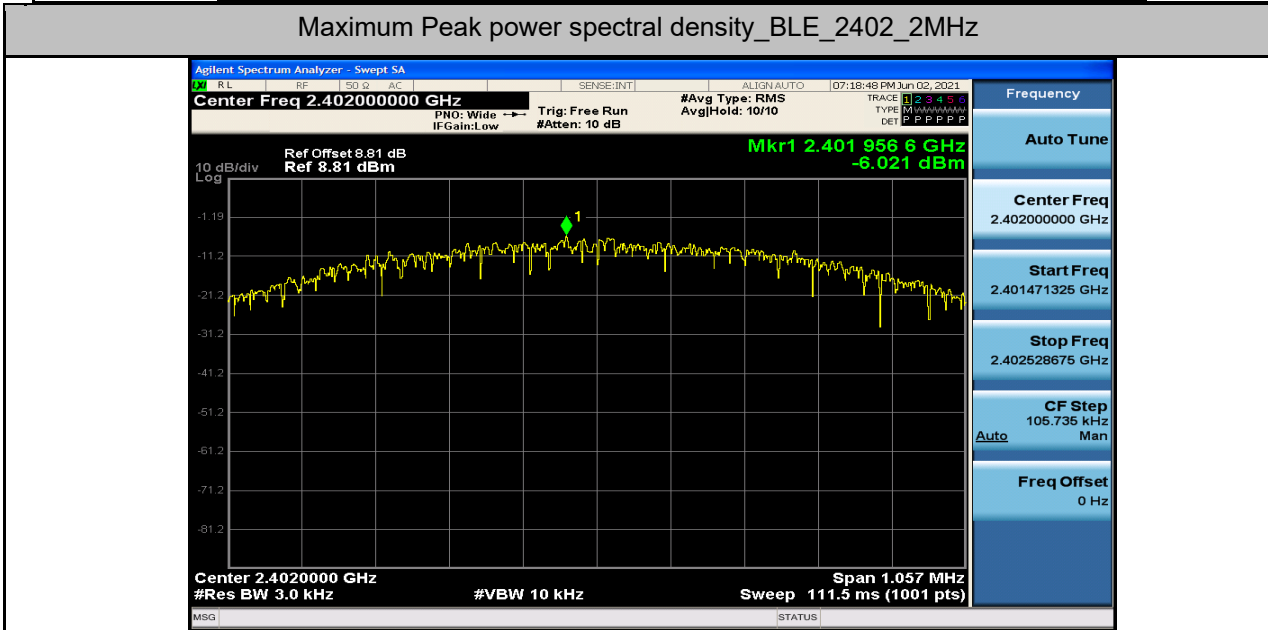
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Maximum Peak power spectral density_BLE_2402_2MHz

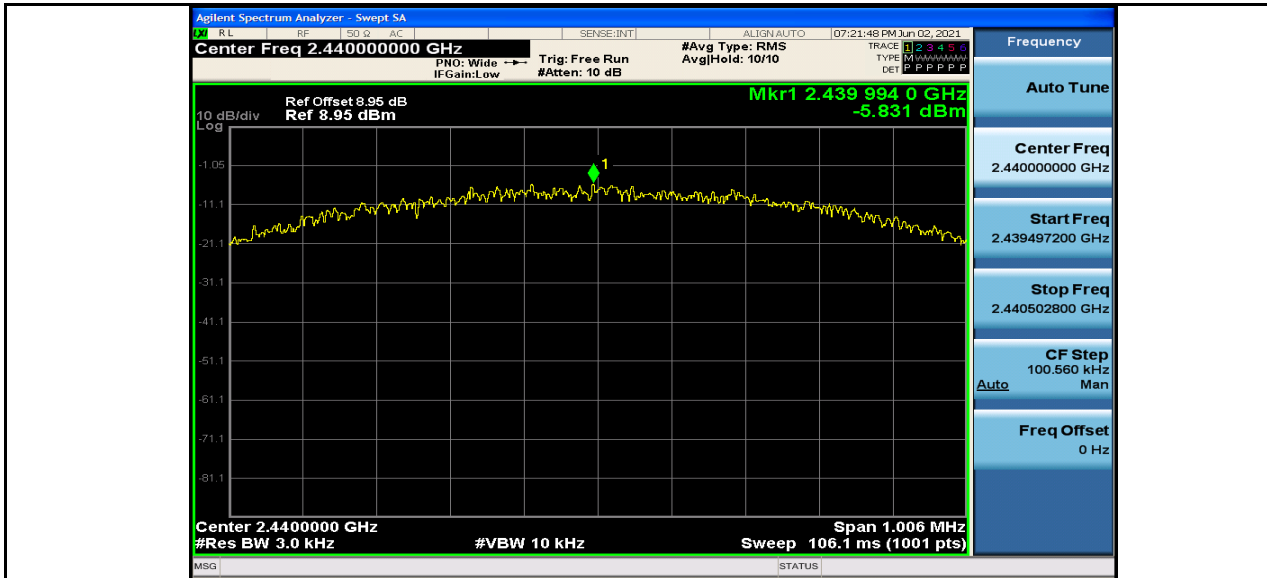


Maximum Peak power spectral density_BLE_2440_2MHz



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Maximum Peak power spectral density_BLE_2480_2MHz



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Appendix A for SHEM210400299801

5.Band-edge for RF Conducted Emissions

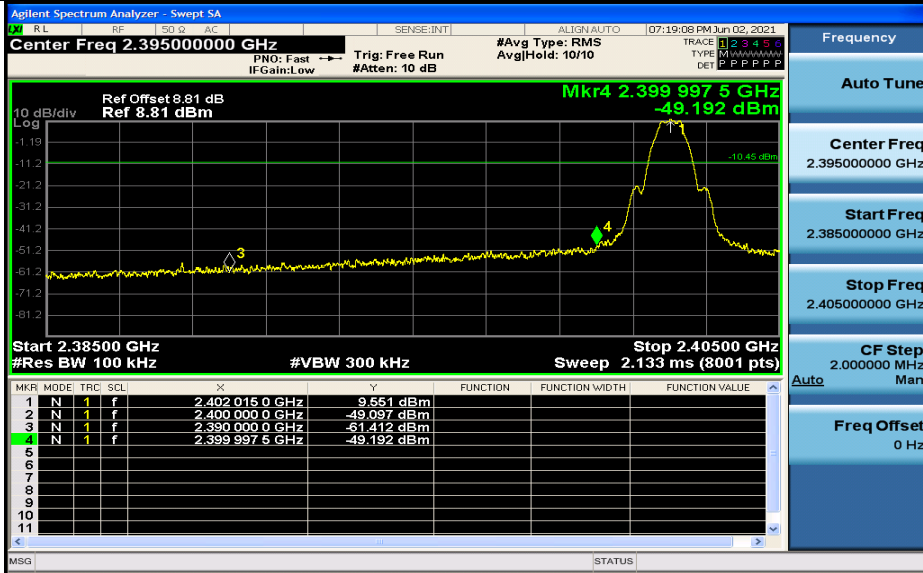
Test Mode	Test Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BLE(1MHz)	2402	9.55	-49.10	-10.45	PASS
BLE(1MHz)	2480	8.08	-49.21	-11.93	PASS
BLE(2MHz)	2402	9.50	-23.18	-10.50	PASS
BLE(2MHz)	2480	7.29	-52.97	-12.71	PASS



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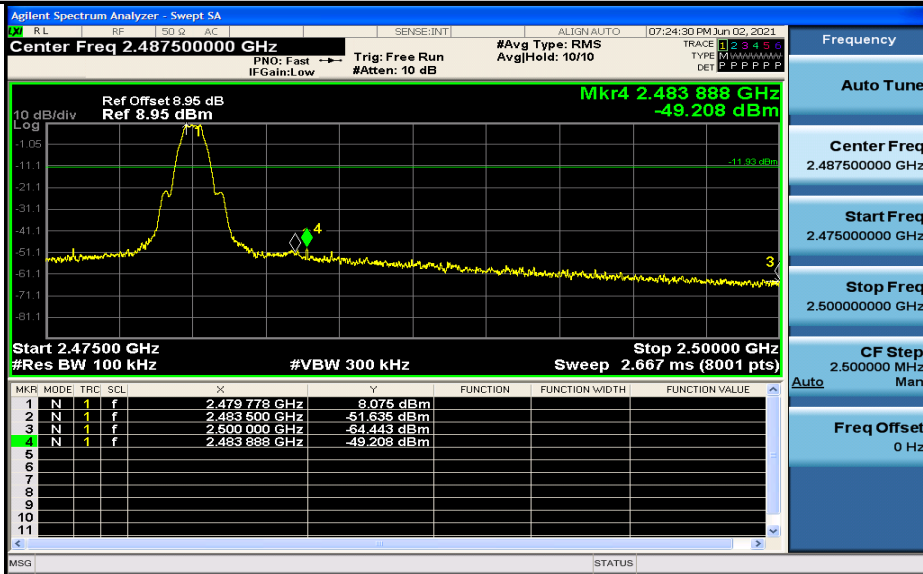
Appendix A for SHEM210400299801

Band-edge for RF Conducted Emissions_BLE_2402_Hopping Off_1MHz



Frequency
Auto Tune
Center Freq 2.395000000 GHz
Start Freq 2.385000000 GHz
Stop Freq 2.405000000 GHz
CF Step 2.000000 MHz Auto Man
Freq Offset 0 Hz

Band-edge for RF Conducted Emissions_BLE_2480_Hopping Off_1MHz



Frequency
Auto Tune
Center Freq 2.487500000 GHz
Start Freq 2.475000000 GHz
Stop Freq 2.500000000 GHz
CF Step 2.500000 MHz Auto Man
Freq Offset 0 Hz



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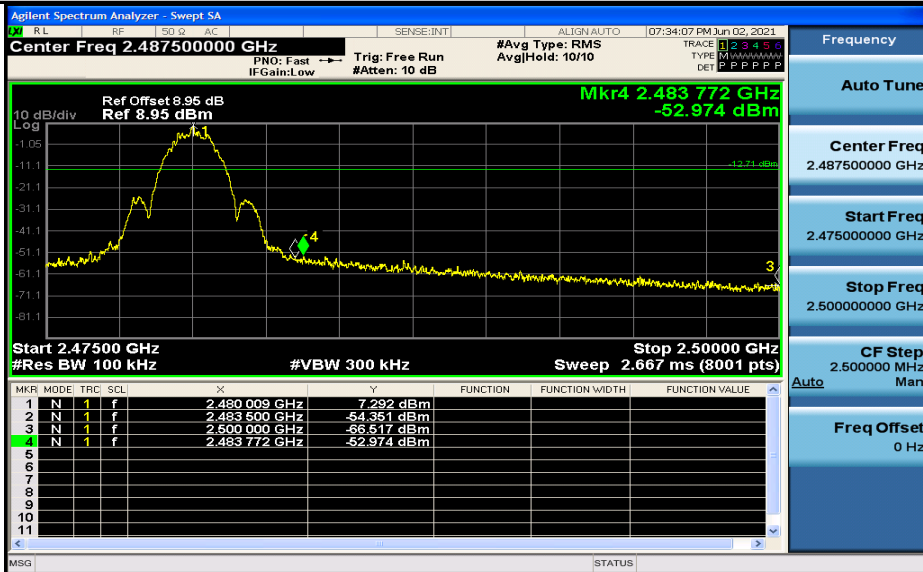
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Band-edge for RF Conducted Emissions_BLE_2402_Hopping Off_2MHz



Band-edge for RF Conducted Emissions_BLE_2480_Hopping Off_2MHz



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6.RF Conducted Spurious Emissions

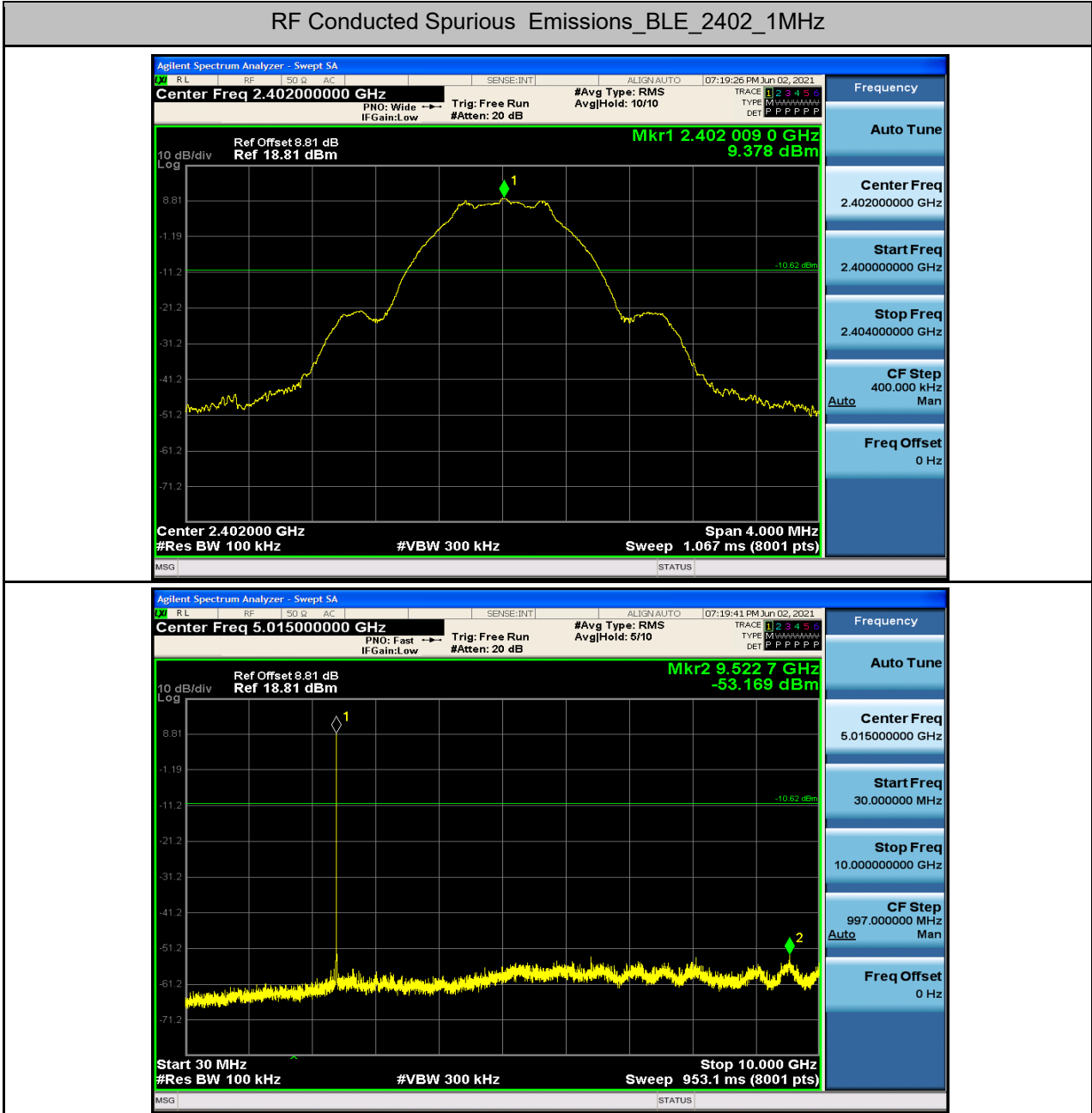
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE(1MHz)	2402	30	10000	100	300	9.38	-53.17	<-10.62	PASS
BLE(1MHz)	2402	10000	26000	100	300	9.378	-43.698	<-10.622	PASS
BLE(1MHz)	2440	30	10000	100	300	9.63	-54.18	<-10.37	PASS
BLE(1MHz)	2440	10000	26000	100	300	9.629	-44.121	<-10.371	PASS
BLE(1MHz)	2480	30	10000	100	300	8.31	-53.90	<-11.69	PASS
BLE(1MHz)	2480	10000	26000	100	300	8.308	-44.456	<-11.692	PASS
BLE(2MHz)	2402	30	10000	100	300	9.37	-54.12	<-10.63	PASS
BLE(2MHz)	2402	10000	26000	100	300	9.368	-44.344	<-10.632	PASS
BLE(2MHz)	2440	30	10000	100	300	9.86	-53.99	<-10.14	PASS
BLE(2MHz)	2440	10000	26000	100	300	9.861	-43.740	<-10.139	PASS
BLE(2MHz)	2480	30	10000	100	300	7.33	-53.73	<-12.67	PASS
BLE(2MHz)	2480	10000	26000	100	300	7.331	-44.020	<-12.669	PASS



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RF Conducted Spurious Emissions_BLE_2402_1MHz

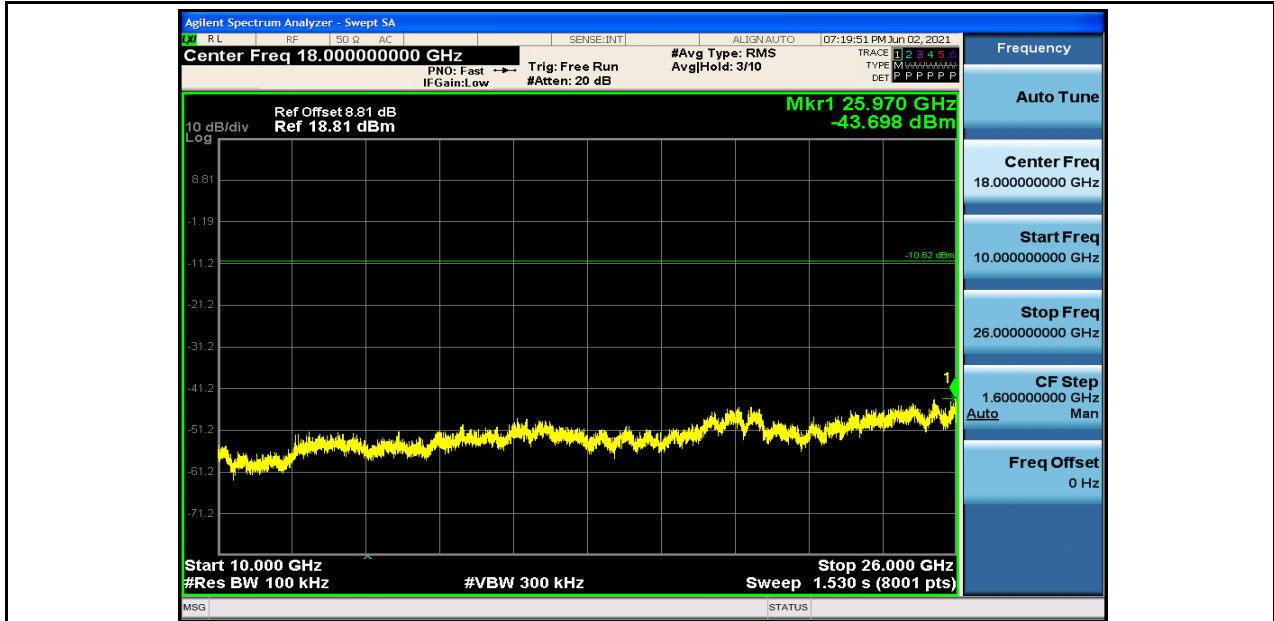


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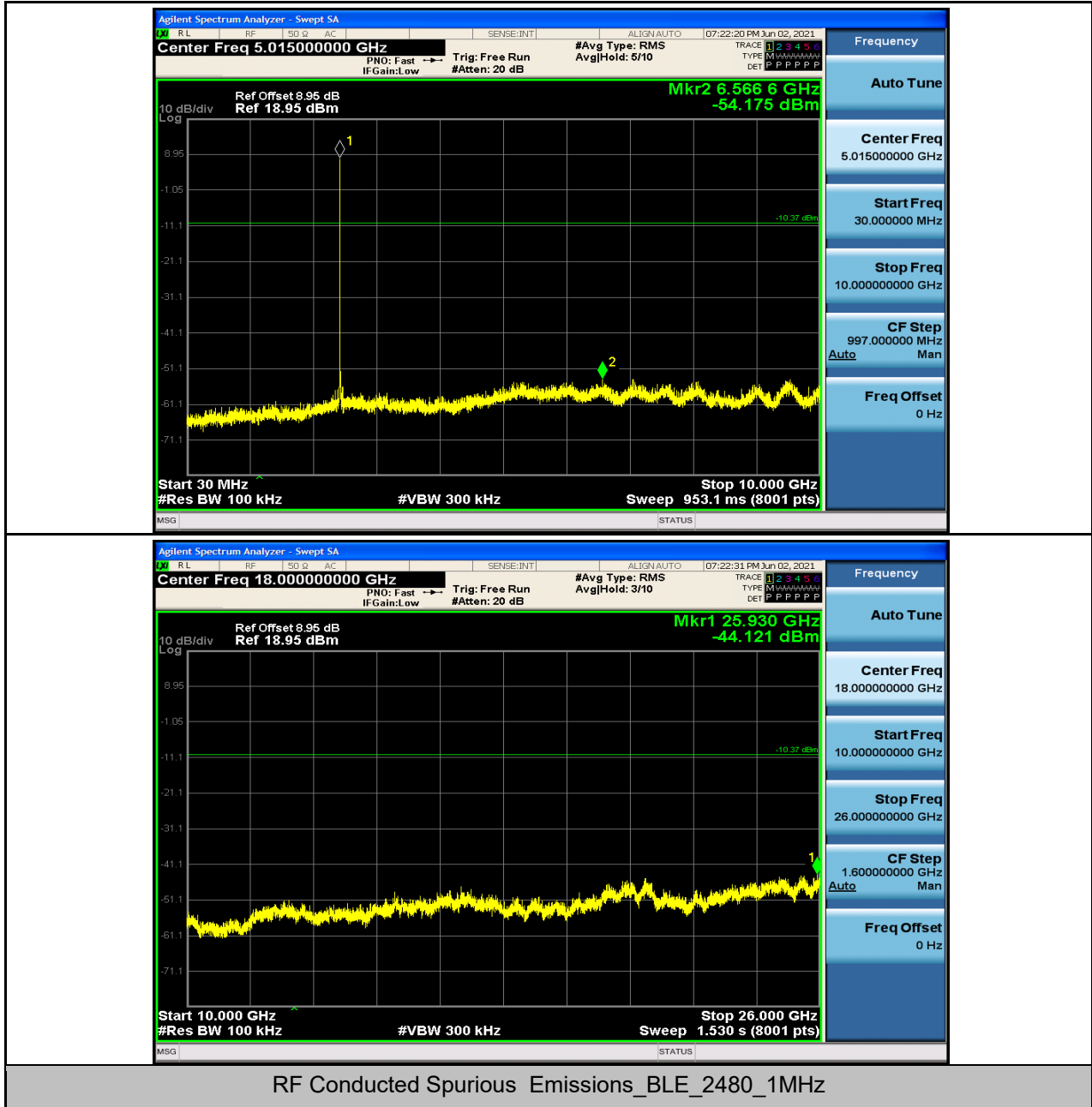
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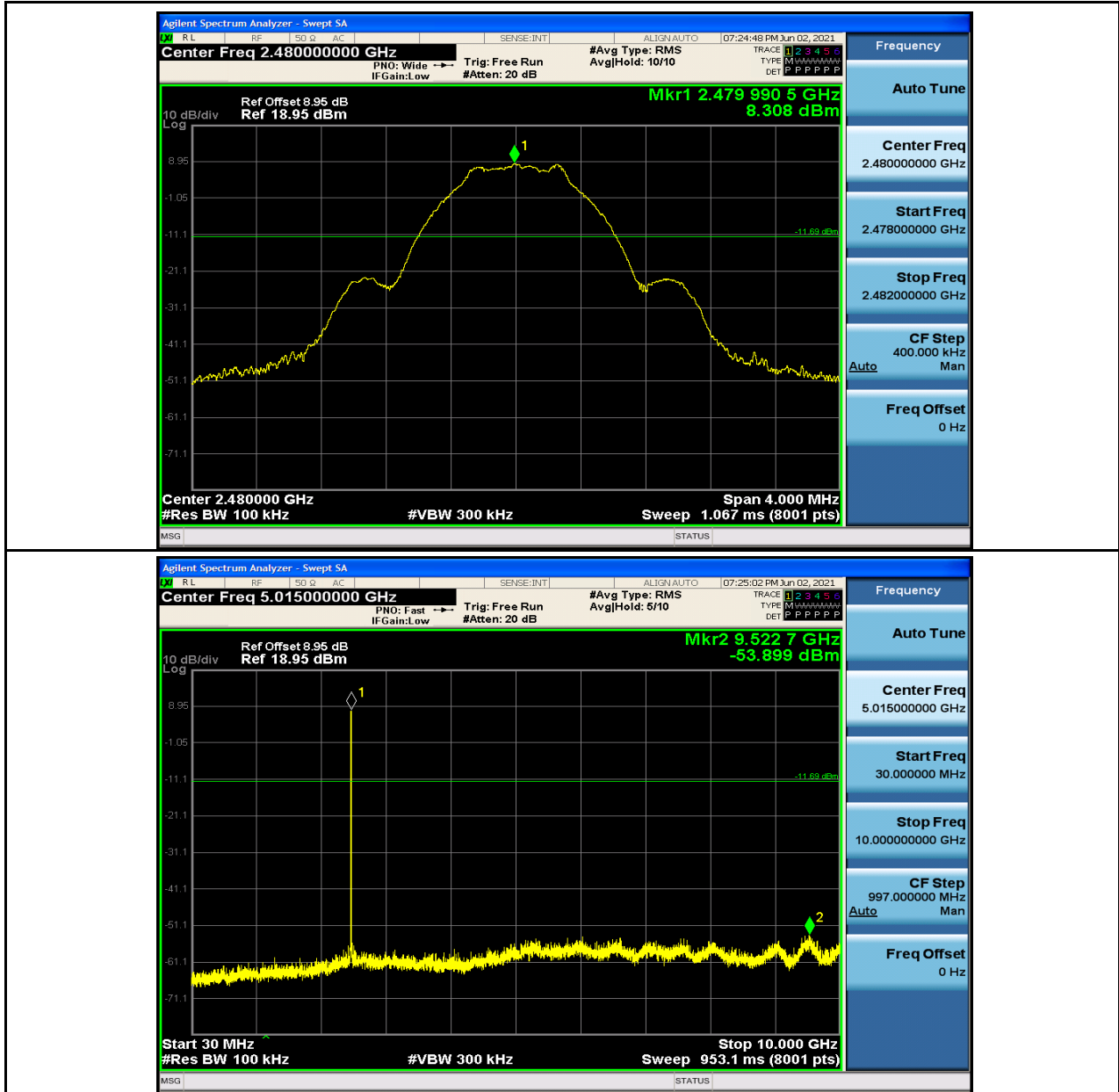
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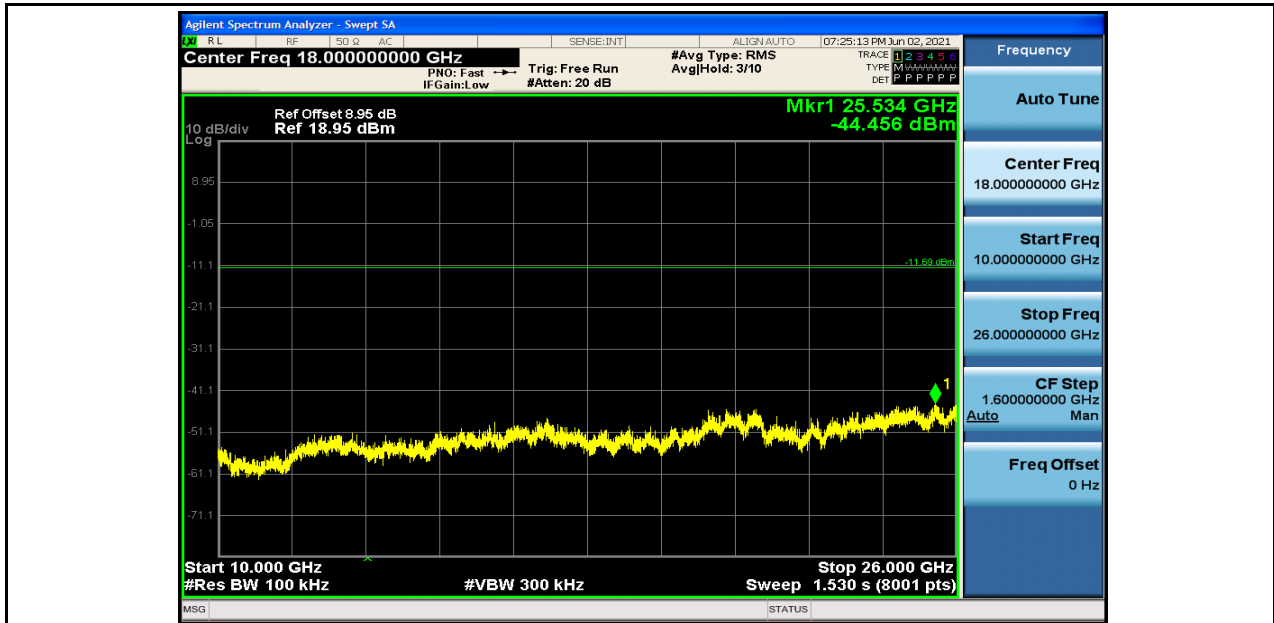
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RF Conducted Spurious Emissions_BLE_2402_2MHz



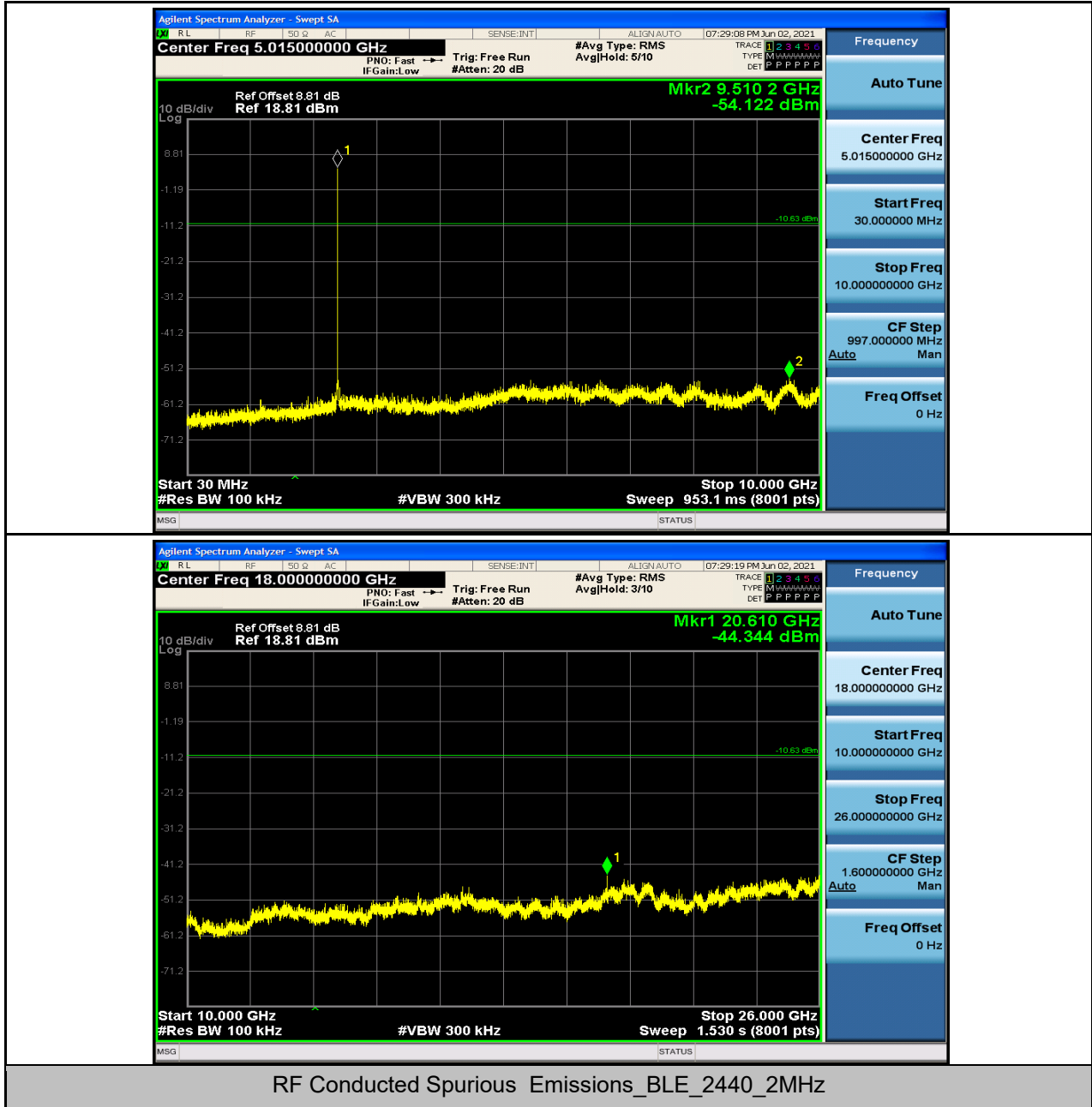
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RF Conducted Spurious Emissions_BLE_2440_2MHz



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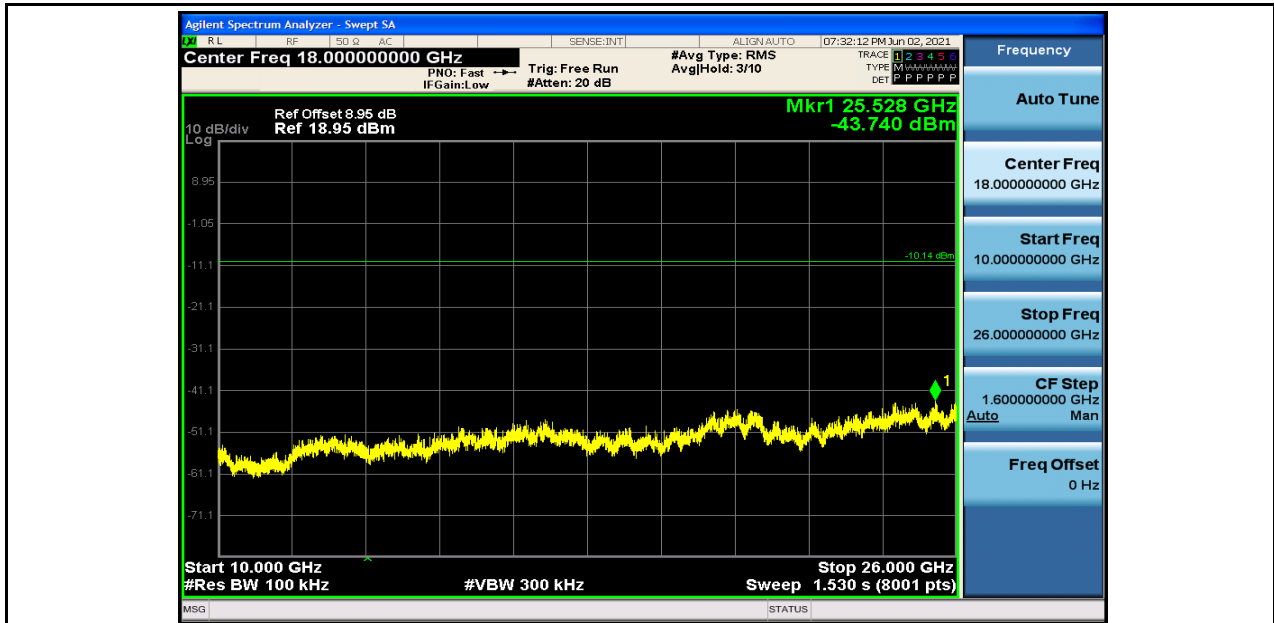
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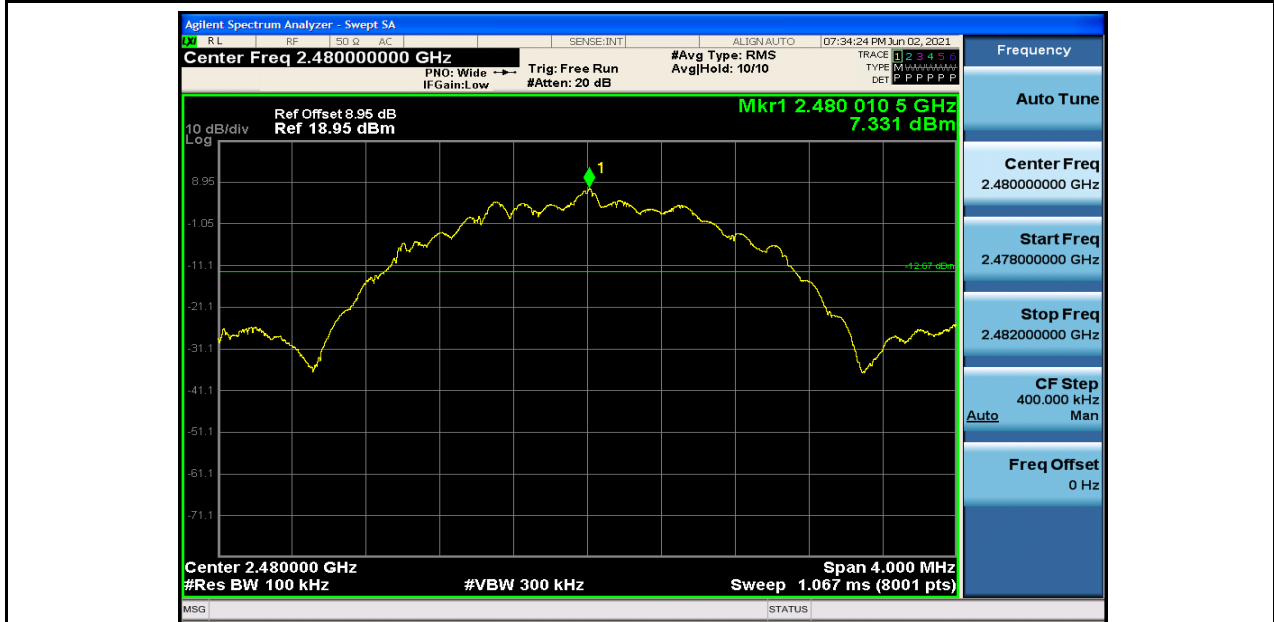
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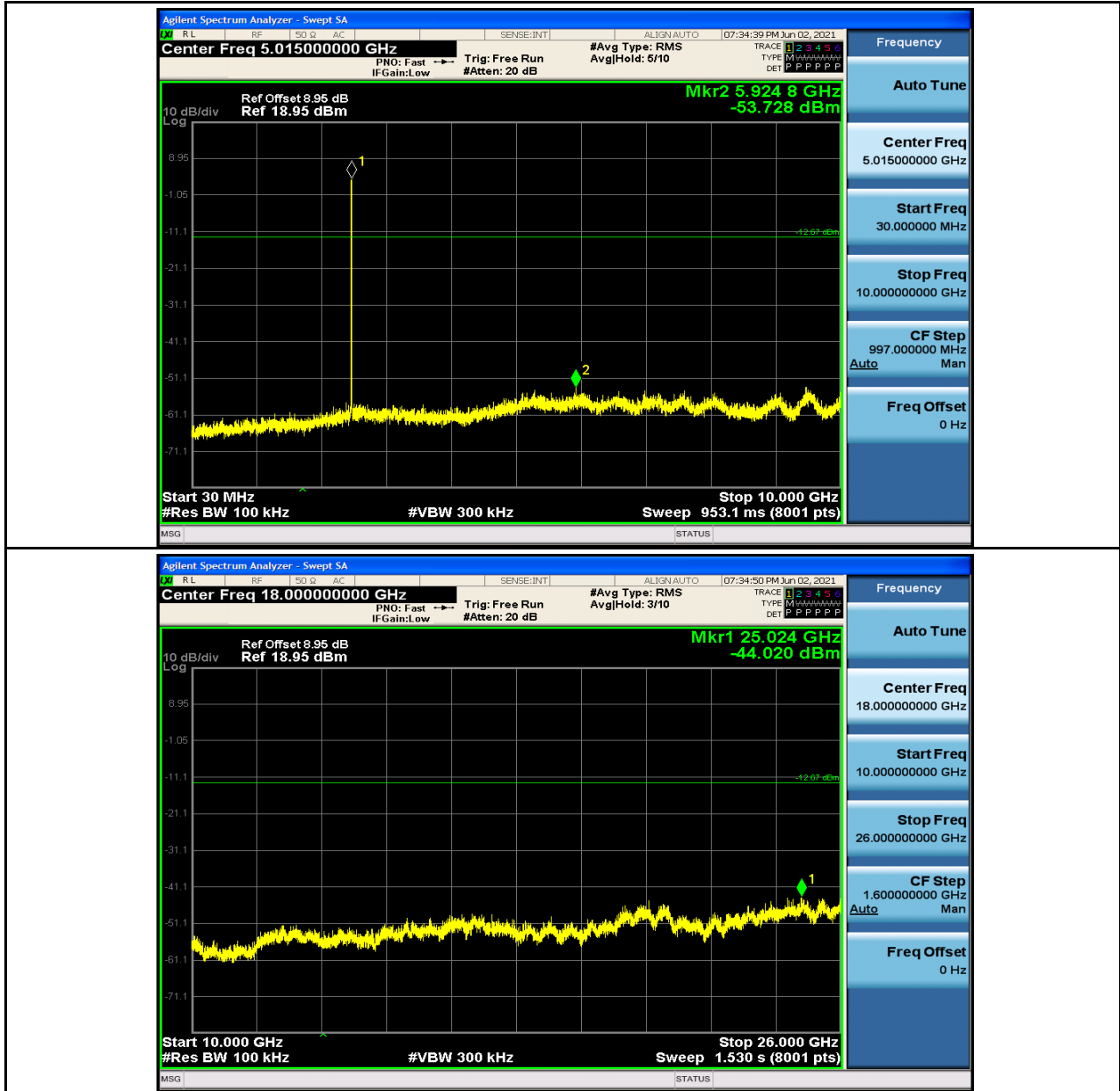
RF Conducted Spurious Emissions_BLE_2480_2MHz



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