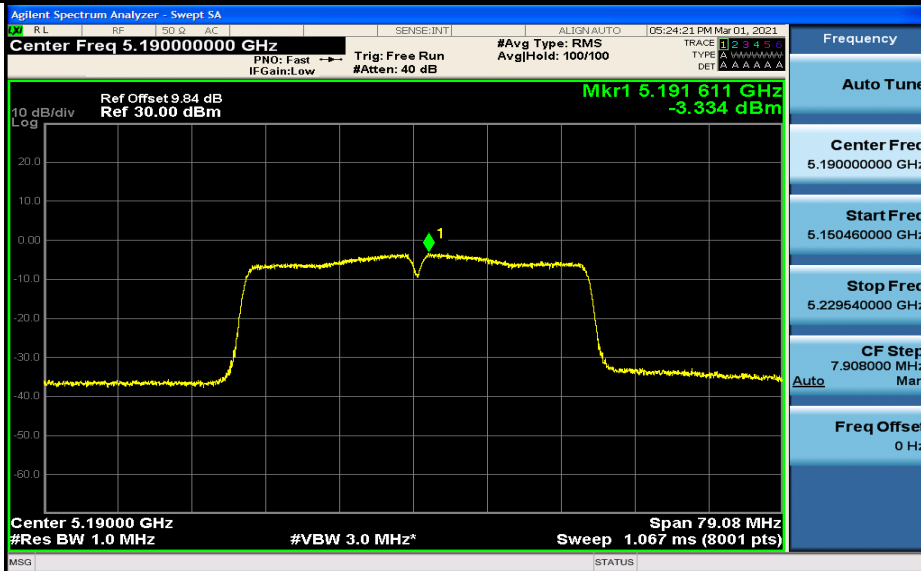
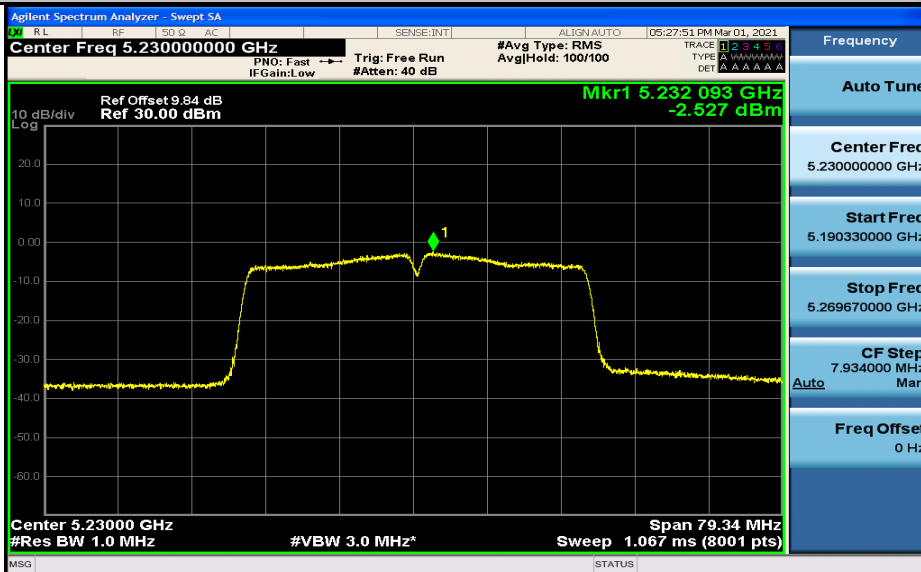


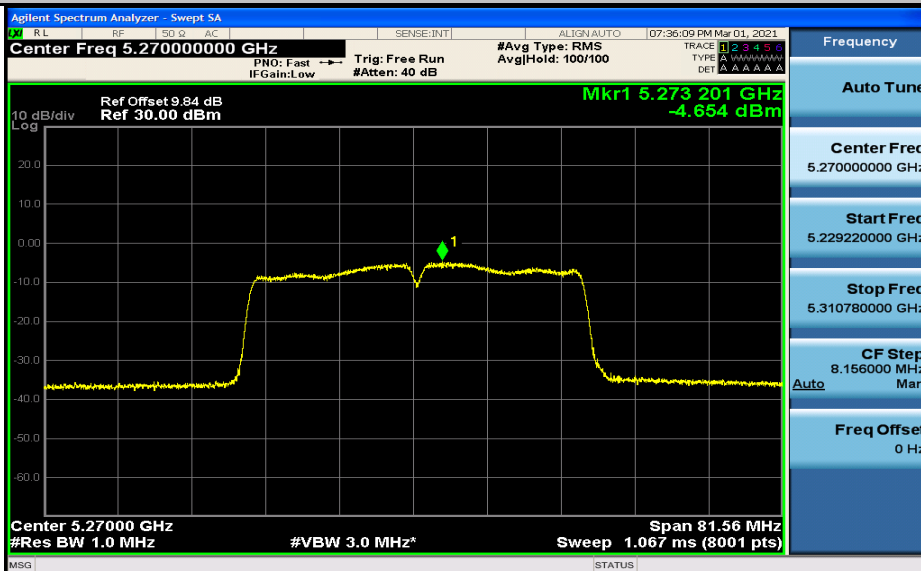
Maximum Power Spectral Density_TNVN_11N40_5190_Ant1



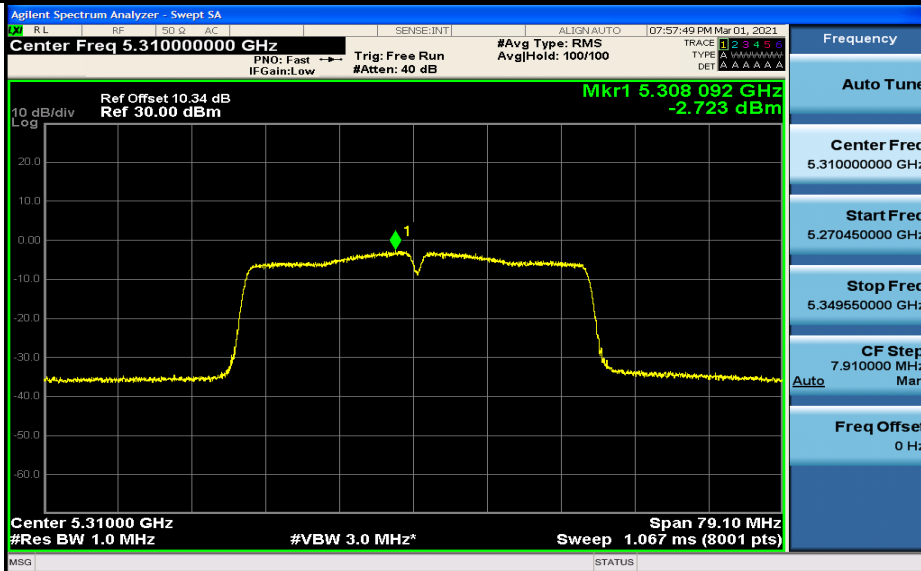
Maximum Power Spectral Density_TNVN_11N40_5230_Ant1



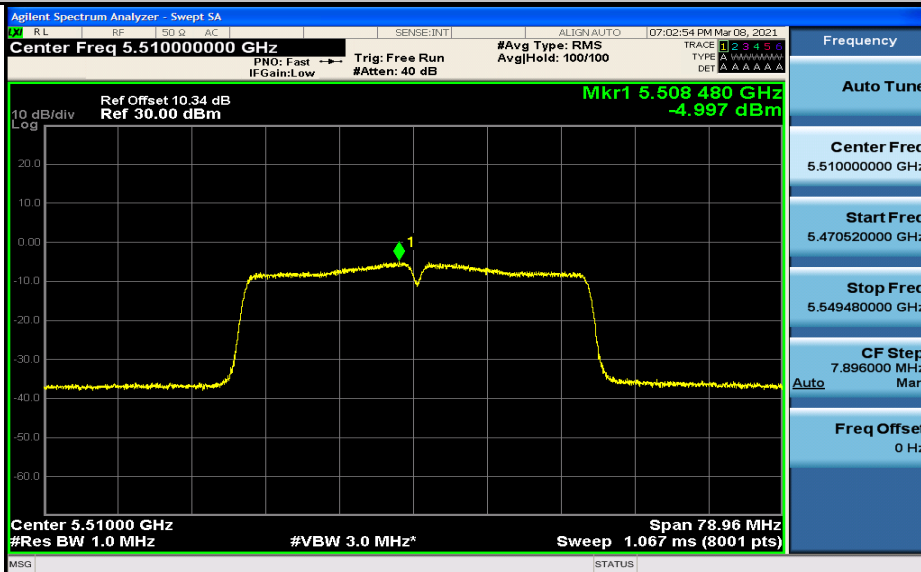
Maximum Power Spectral Density_TNVN_11N40_5270_Ant1



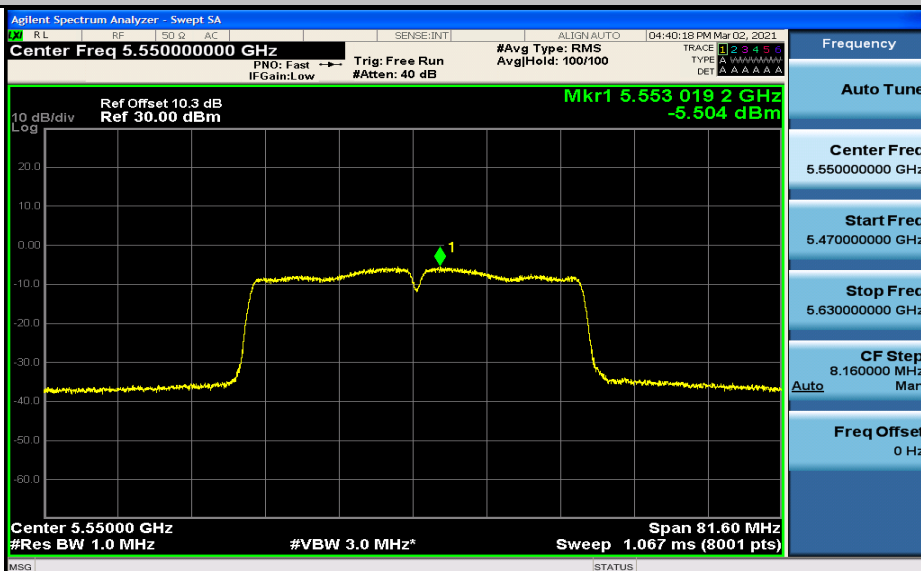
Maximum Power Spectral Density_TNVN_11N40_5310_Ant1



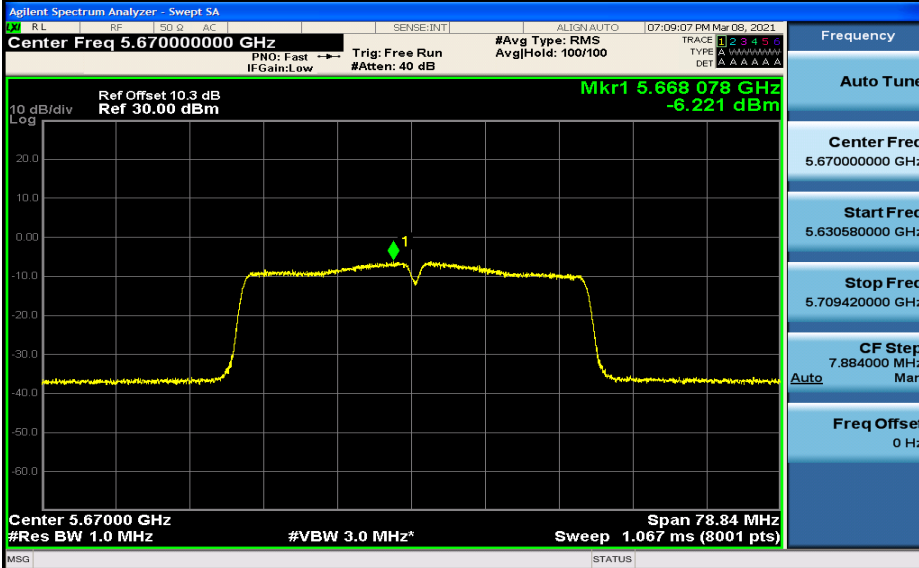
Maximum Power Spectral Density_TNVN_11N40_5510_Ant1



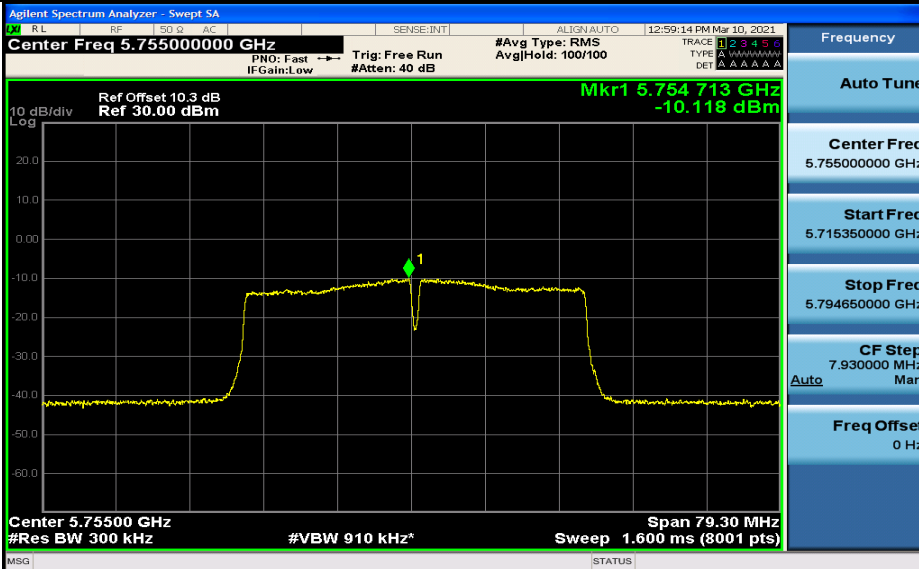
Maximum Power Spectral Density_TNVN_11N40_5550_Ant1



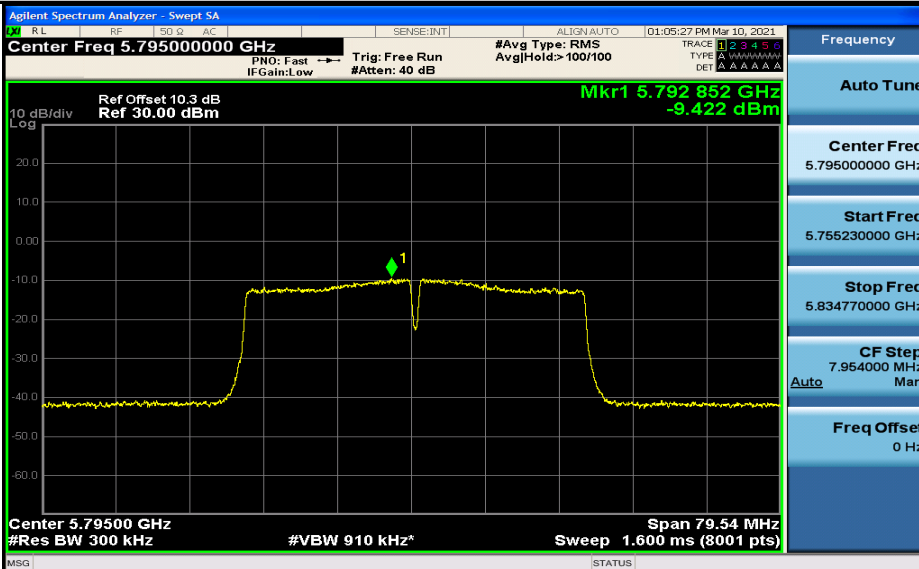
Maximum Power Spectral Density_TNVN_11N40_5670_Ant1



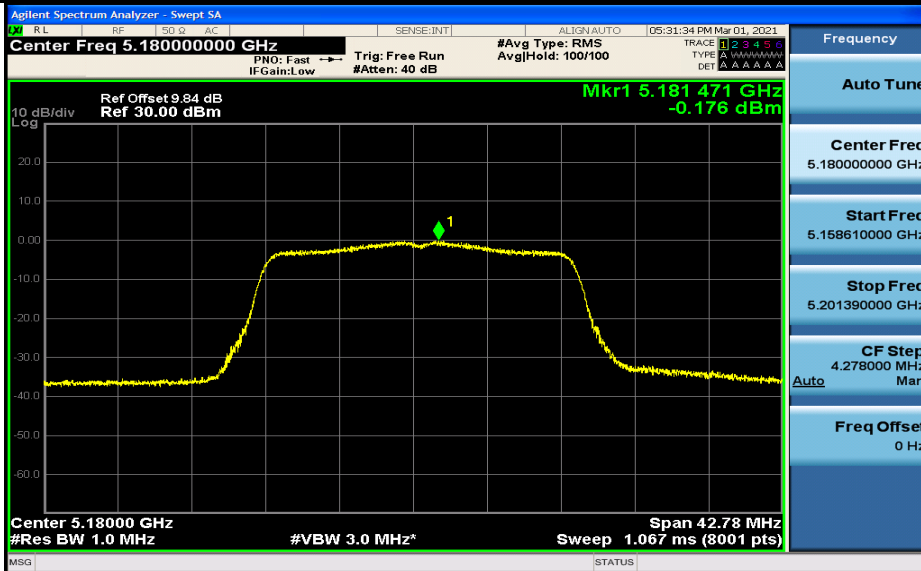
Maximum Power Spectral Density_TNVN_11N40_5755_Ant1



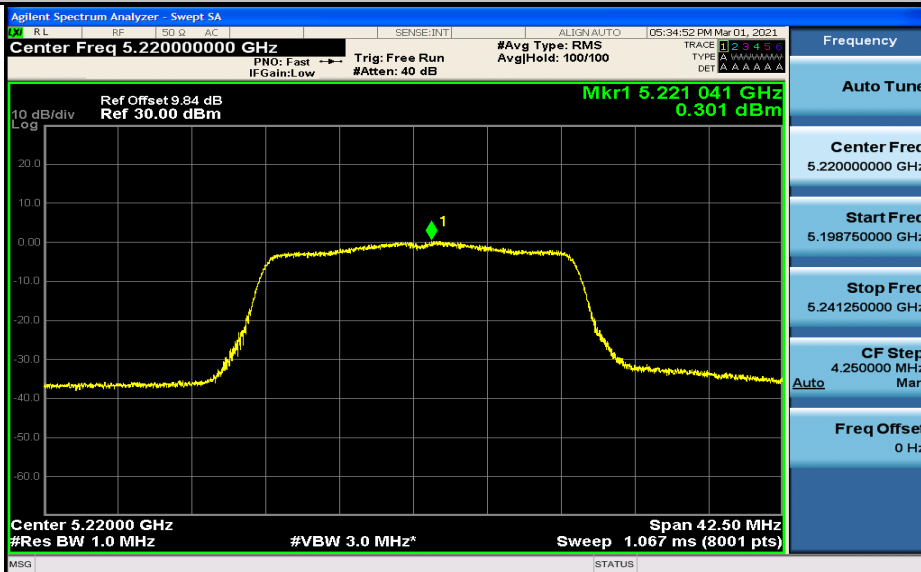
Maximum Power Spectral Density_TNVN_11N40_5795_Ant1



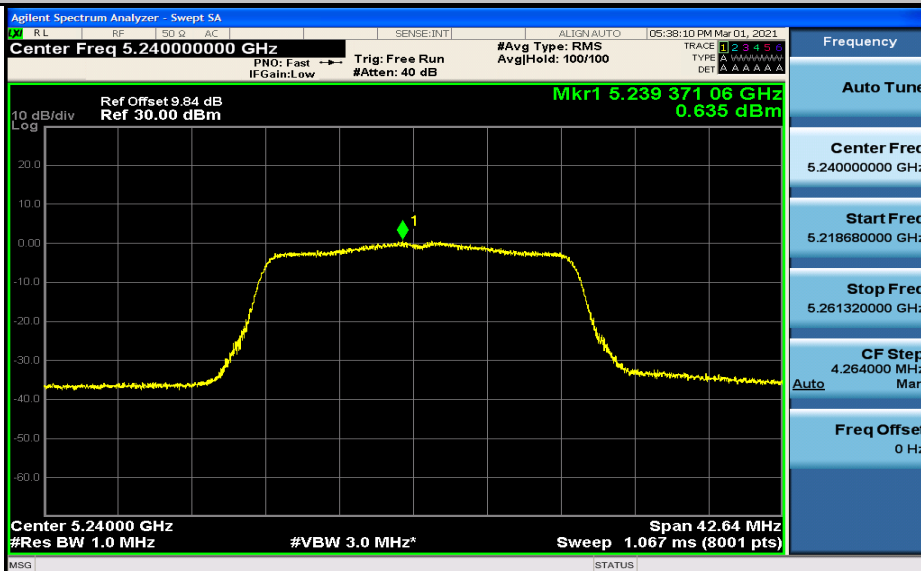
Maximum Power Spectral Density_TNVN_11AC20_5180_Ant1



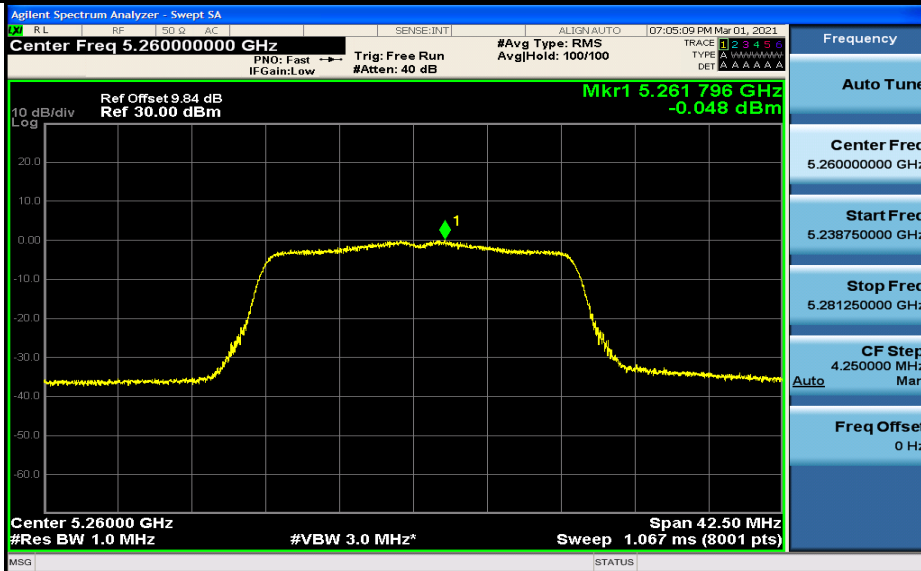
Maximum Power Spectral Density_TNVN_11AC20_5220_Ant1



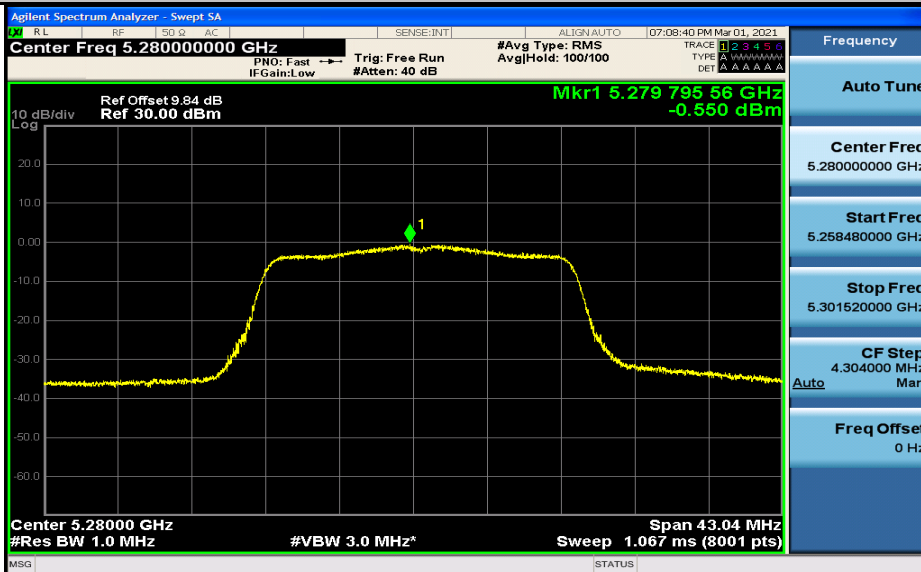
Maximum Power Spectral Density_TNVN_11AC20_5240_Ant1



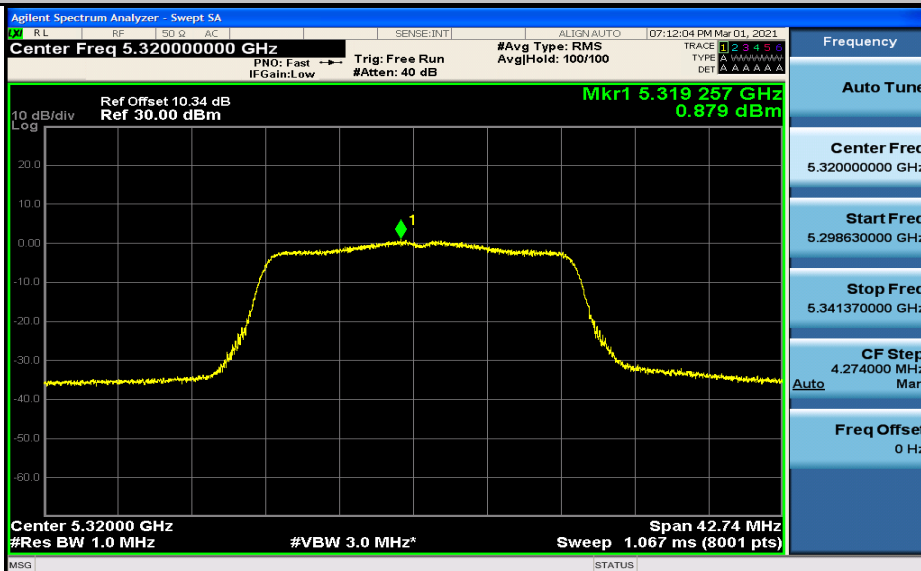
Maximum Power Spectral Density_TNVN_11AC20_5260_Ant1



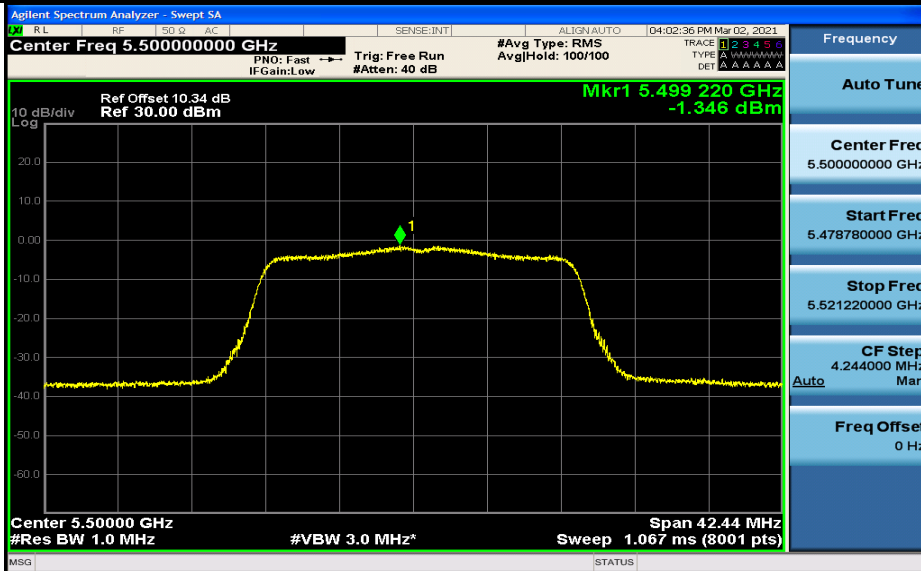
Maximum Power Spectral Density_TNVN_11AC20_5280_Ant1



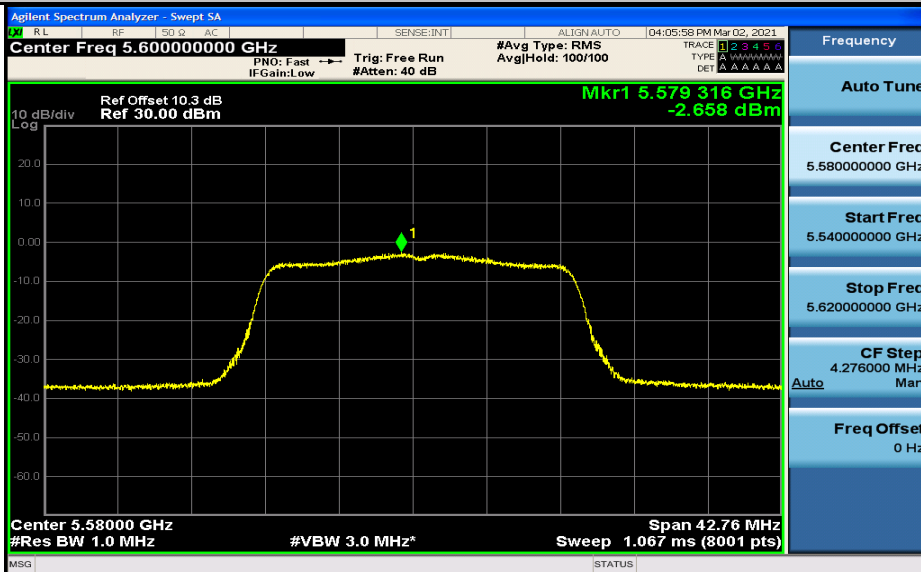
Maximum Power Spectral Density_TNVN_11AC20_5320_Ant1



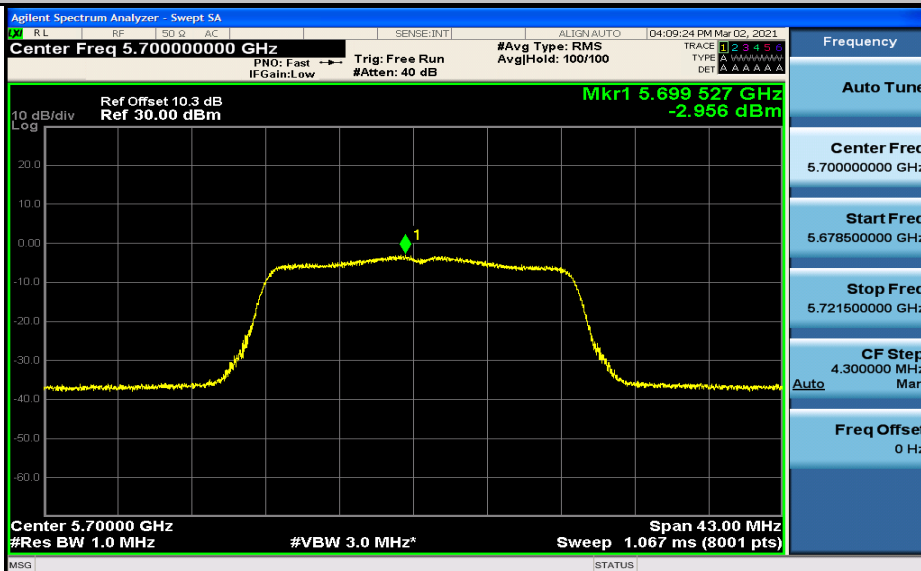
Maximum Power Spectral Density_TNVN_11AC20_5500_Ant1



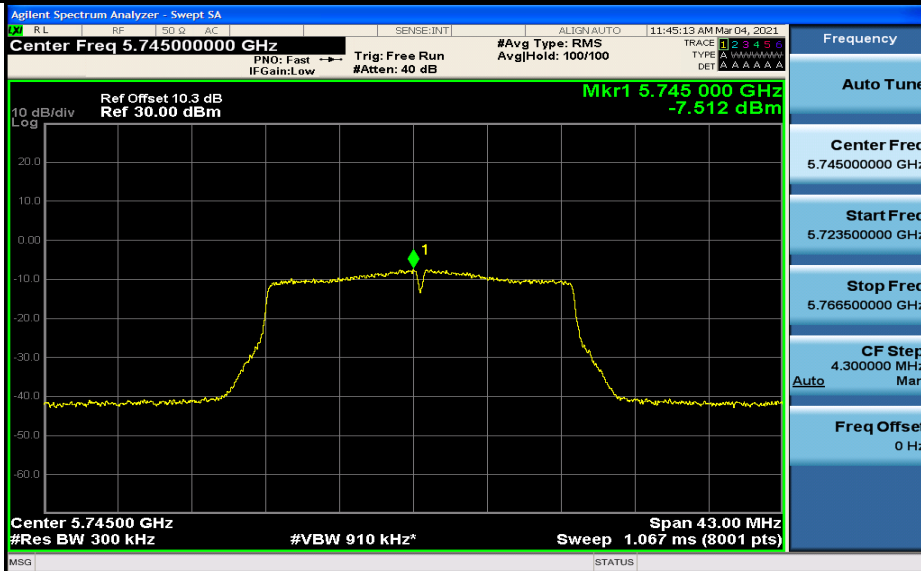
Maximum Power Spectral Density_TNVN_11AC20_5580_Ant1



Maximum Power Spectral Density_TNVN_11AC20_5700_Ant1



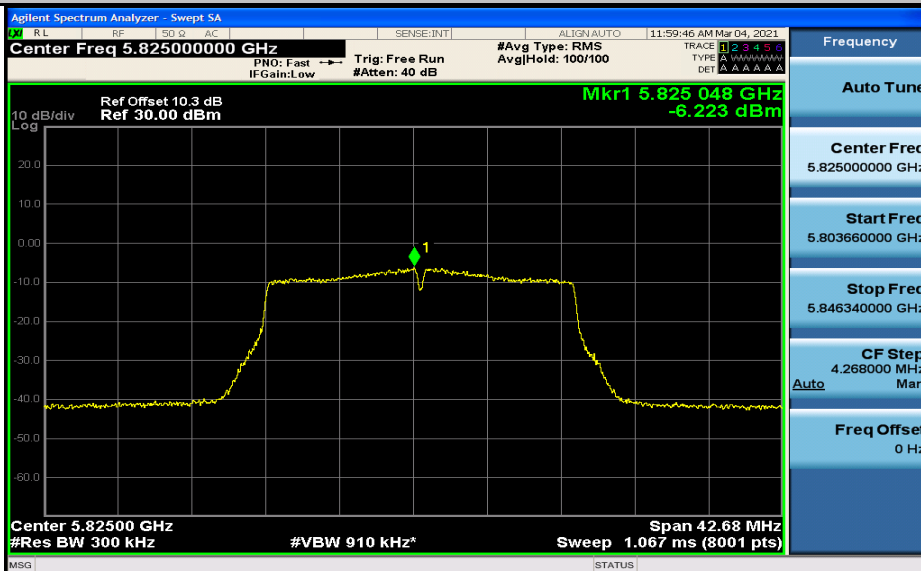
Maximum Power Spectral Density_TNVN_11AC20_5745_Ant1



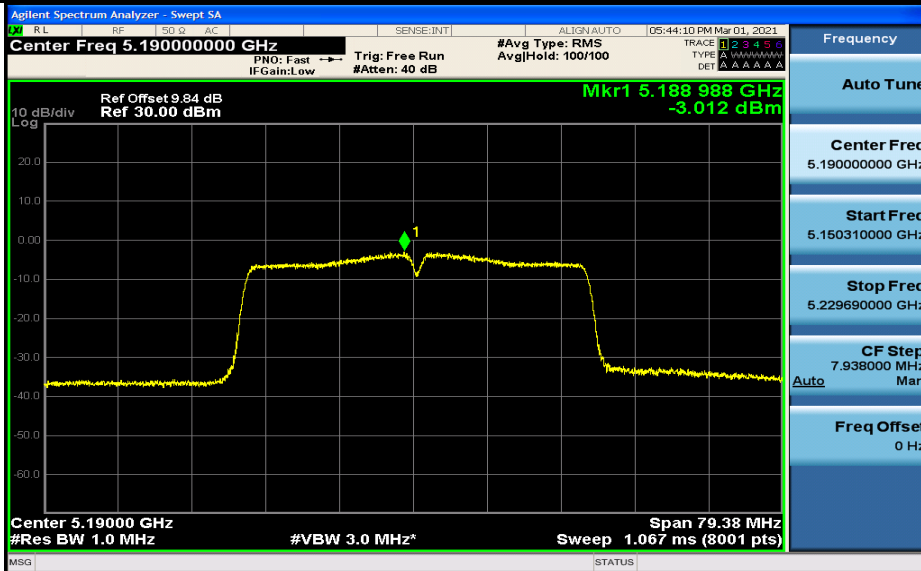
Maximum Power Spectral Density_TNVN_11AC20_5785_Ant1



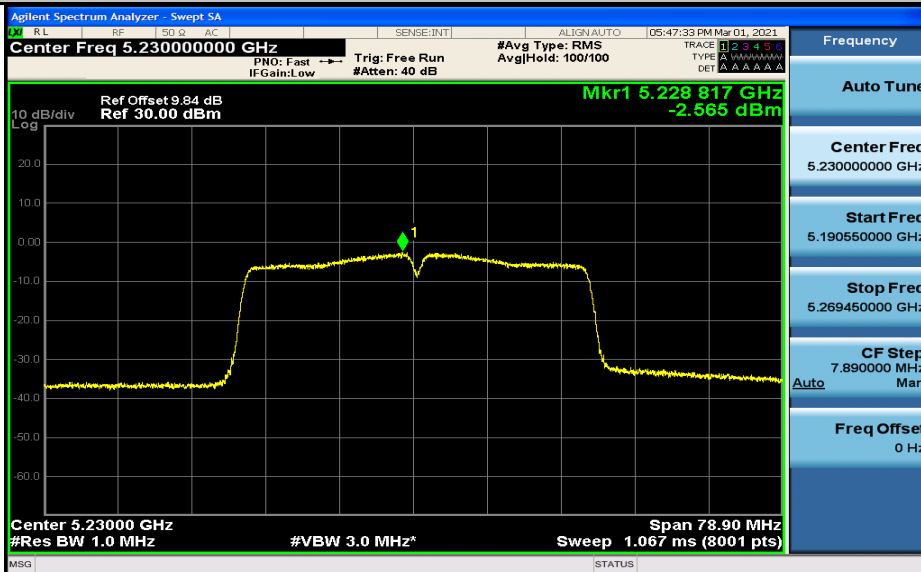
Maximum Power Spectral Density_TNVN_11AC20_5825_Ant1



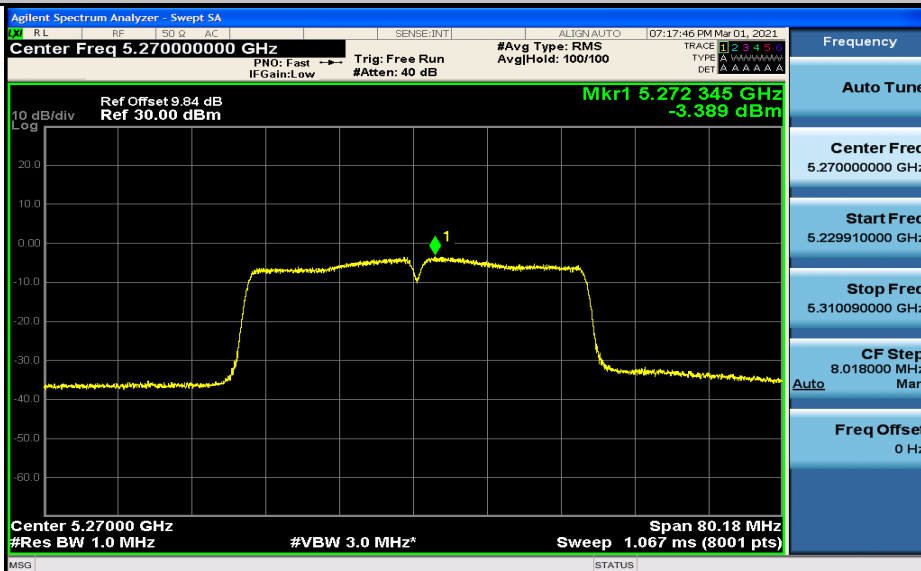
Maximum Power Spectral Density_TNVN_11AC40_5190_Ant1



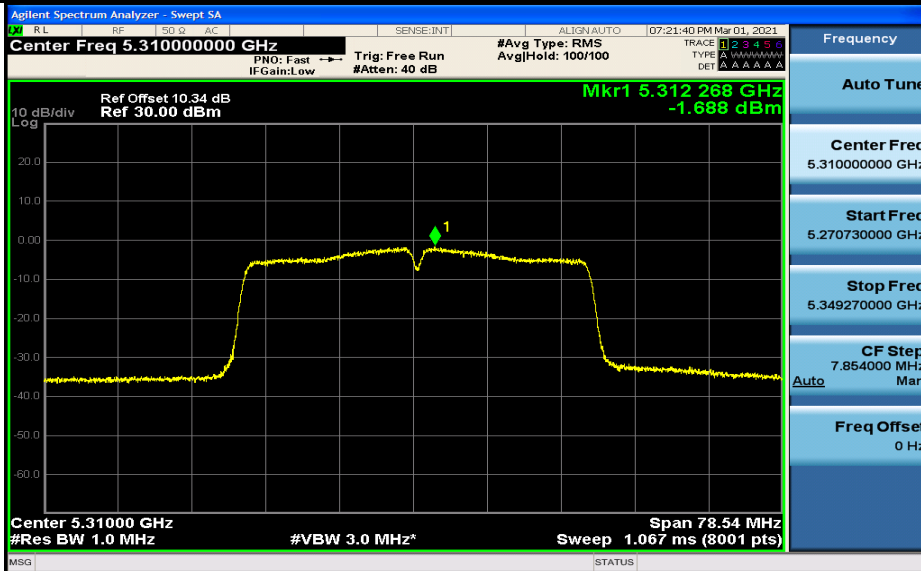
Maximum Power Spectral Density_TNVN_11AC40_5230_Ant1



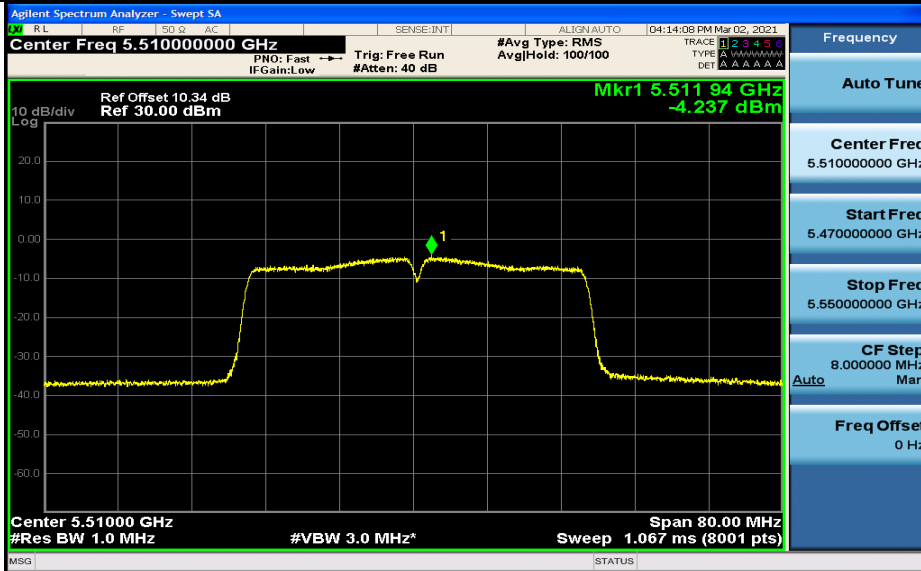
Maximum Power Spectral Density_TNVN_11AC40_5270_Ant1



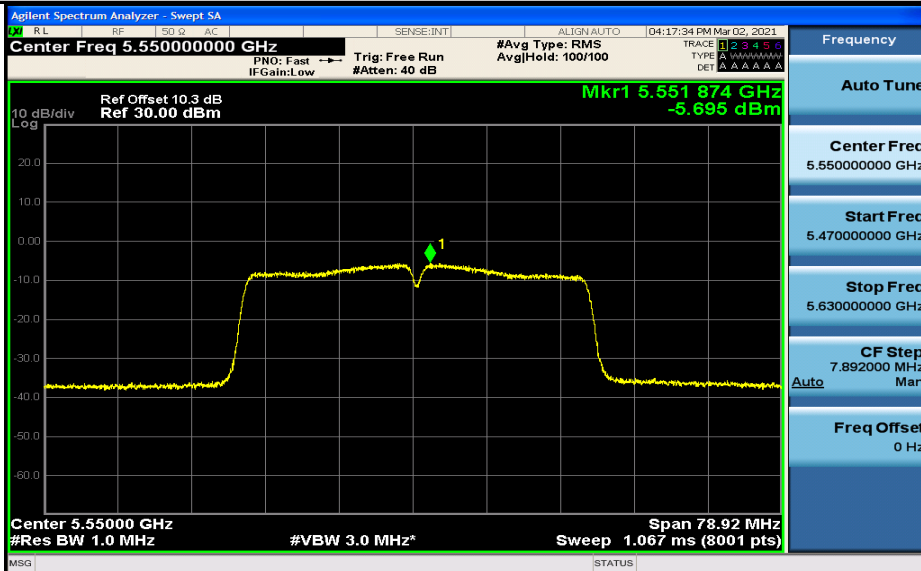
Maximum Power Spectral Density_TNVN_11AC40_5310_Ant1



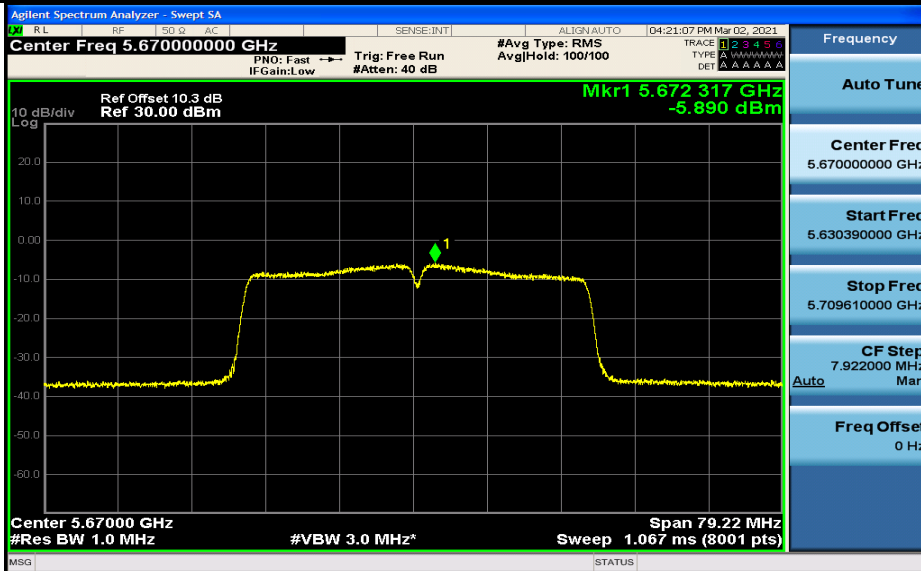
Maximum Power Spectral Density_TNVN_11AC40_5510_Ant1



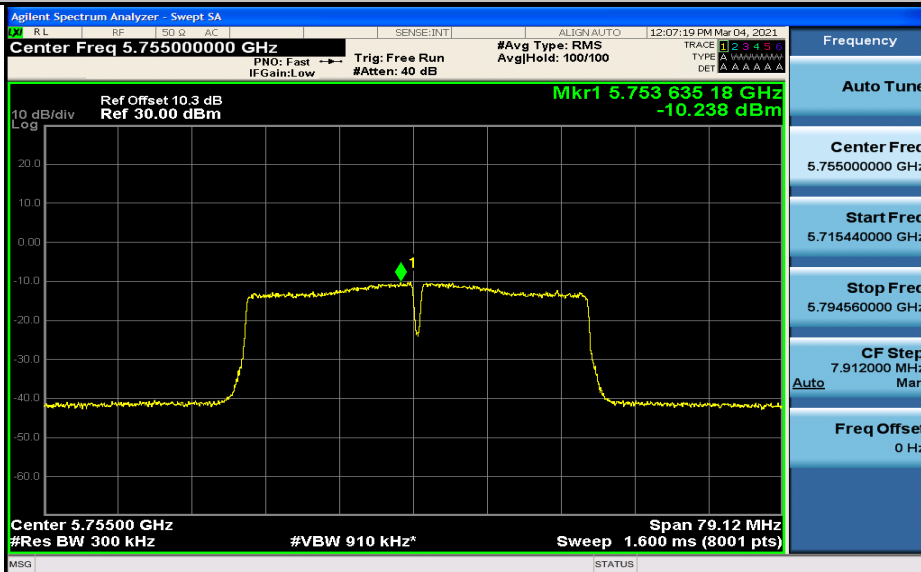
Maximum Power Spectral Density_TNVN_11AC40_5550_Ant1



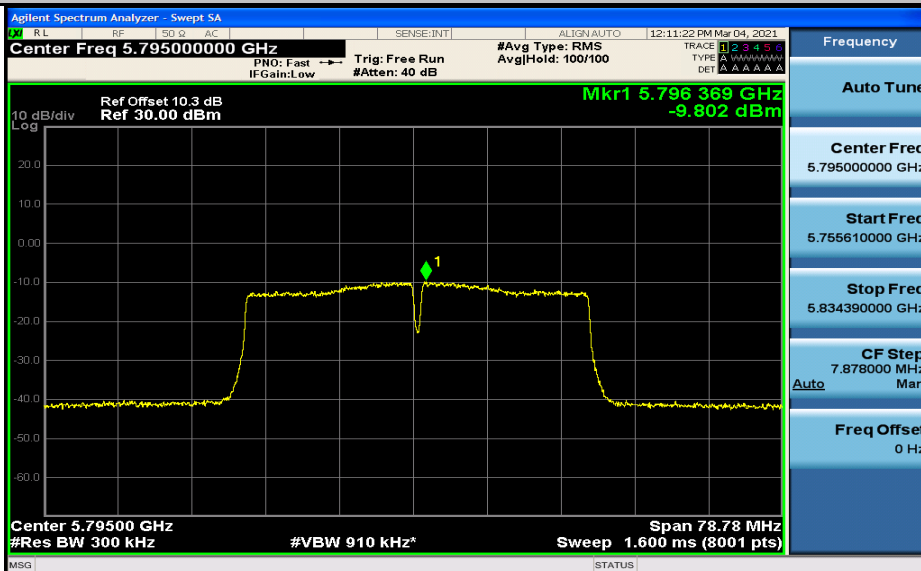
Maximum Power Spectral Density_TNVN_11AC40_5670_Ant1



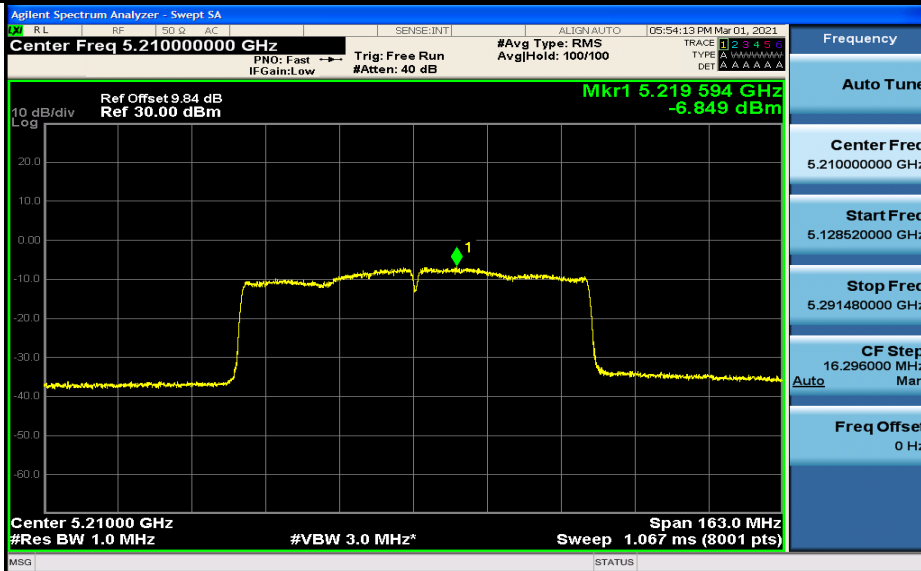
Maximum Power Spectral Density_TNVN_11AC40_5755_Ant1



Maximum Power Spectral Density_TNVN_11AC40_5795_Ant1



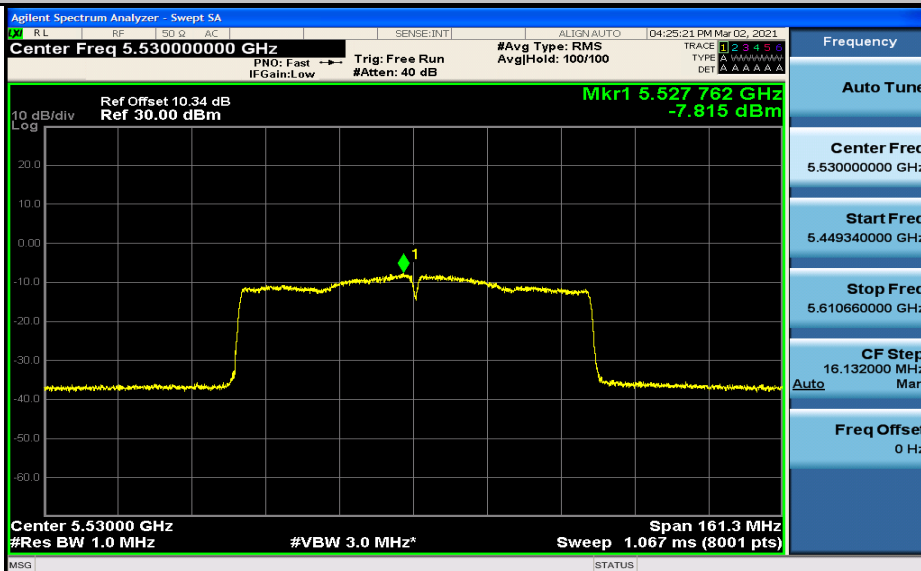
Maximum Power Spectral Density_TNVN_11AC80_5210_Ant1



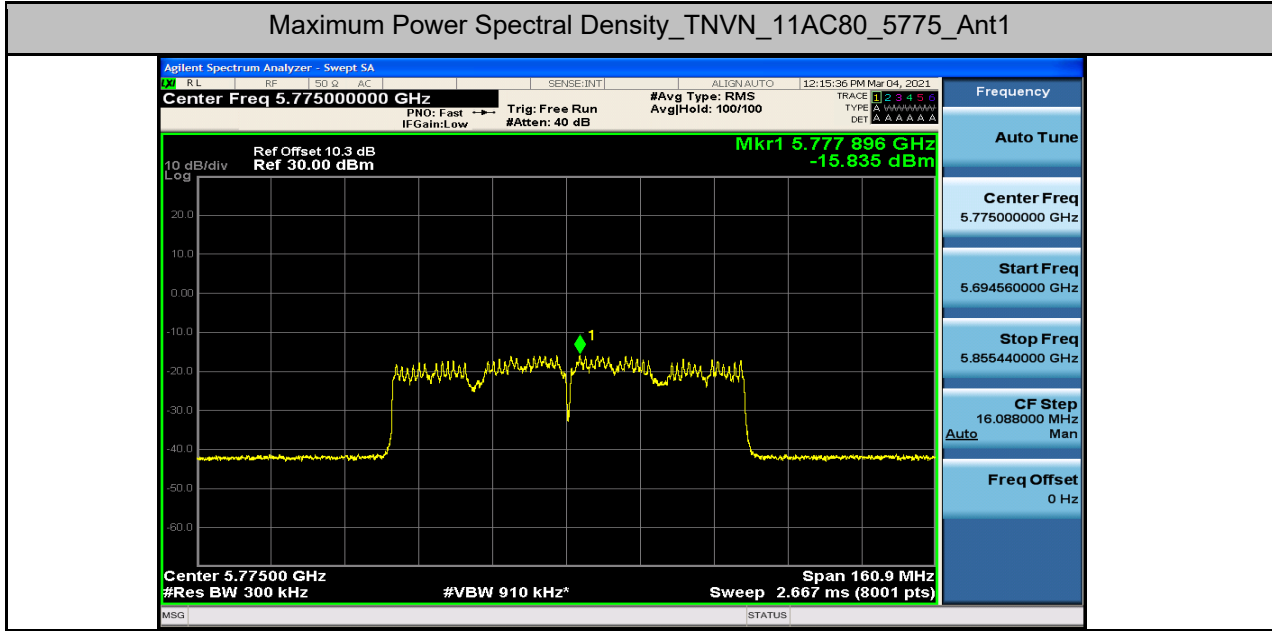
Maximum Power Spectral Density_TNVN_11AC80_5290_Ant1



Maximum Power Spectral Density_TNVN_11AC80_5530_Ant1



Maximum Power Spectral Density_TNVN_11AC80_5775_Ant1



8.Frequency Stability

Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result	
	Volt (V AC)	Temp (°C)						
Band U-NII 1	Normal(120)	Extreme(-20)	5180	5180.0102	0.0102	5.15-5.25	Pass	
		Extreme(-10)		5180.0266	0.0266		Pass	
		Extreme(0)		5180.0415	0.0415		Pass	
		Extreme(+10)		5180.0205	0.0205		Pass	
		Extreme(+20)		5180.0255	0.0255		Pass	
		Extreme(+30)		5180.0300	0.0300		Pass	
		Extreme(+40)		5180.0245	0.0245		Pass	
		Extreme(+55)		5180.0452	0.0452		Pass	
	Extreme(102)	Norma(+20)	5240	5180.0188	0.0188		Pass	
	Extreme(138)			5180.0347	0.0347		Pass	
	Normal(120)	Extreme(-20)		5240.0298	0.0298		Pass	
		Extreme(-10)		5240.0305	0.0305		Pass	
		Extreme(0)		5240.0355	0.0355		Pass	
		Extreme(+10)		5240.0242	0.0242		Pass	
		Extreme(+20)		5240.0288	0.0288		Pass	
		Extreme(+30)		5240.0240	0.0240		Pass	
		Extreme(+40)		5240.0196	0.0196		Pass	
		Extreme(+55)		5240.0425	0.0425		Pass	
	Extreme(102)	Norma(20)		5240.0352	0.0352		Pass	
	Extreme(138)			5240.0296	0.0296		Pass	
Band U-NII 2A	Test Conditions			Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (°C)						
Band U-NII 2A	Normal(120)	Extreme(-20)		5260	5260.0335	0.0335	5.15-5.25	Pass
		Extreme(-10)			5260.0255	0.0255		Pass
		Extreme(0)			5260.0398	0.0398		Pass
		Extreme(+10)			5260.0300	0.0300		Pass
		Extreme(+20)			5260.0415	0.0415		Pass
		Extreme(+30)			5260.0435	0.0435		Pass
		Extreme(+40)	5260.0378		0.0378	Pass		
		Extreme(+55)	5260.0269		0.0269	Pass		
	Extreme(102)	Norma(+20)	5320	5260.0455	0.0455	Pass		
	Extreme(138)			5260.0315	0.0315	Pass		
	Normal(120)	Extreme(-20)		5320.0432	0.0432	Pass		
		Extreme(-10)		5320.0398	0.0398	Pass		
		Extreme(0)		5320.0287	0.0287	Pass		
		Extreme(+10)		5320.0466	0.0466	Pass		
		Extreme(+20)		5320.0278	0.0278	Pass		
		Extreme(+30)		5320.0236	0.0236	Pass		
		Extreme(+40)		5320.0352	0.0352	Pass		
		Extreme(+55)		5320.0387	0.0387	Pass		
	Extreme(102)	Norma(20)		5320.0405	0.0405	Pass		
	Extreme(138)			5320.0369	0.0369	Pass		
Band	Test Conditions			Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (°C)						
Band	Normal(120)	Extreme(-20)		5500	5500.0285	0.0285	5.15-5.25	Pass

U-NII 2C	Extreme(-10)	5700	5500.0296	0.0296	5.725-5.85	Pass	
			Extreme(0)	5500.0315		0.0315	Pass
			Extreme(+10)	5500.0345		0.0345	Pass
			Extreme(+20)	5500.0452		0.0452	Pass
			Extreme(+30)	5500.0269		0.0269	Pass
			Extreme(+40)	5500.0278		0.0278	Pass
			Extreme(+55)	5500.0345		0.0345	Pass
	Extreme(102)	Norma(+20)	5500.0412	0.0412		Pass	
	Extreme(138)		5500.0285	0.0285		Pass	
	Normal(120)	5700	Extreme(-20)	5700.0225		0.0225	Pass
			Extreme(-10)	5700.0365		0.0365	Pass
			Extreme(0)	5700.0335		0.0335	Pass
			Extreme(+10)	5700.0265		0.0265	Pass
			Extreme(+20)	5700.0345		0.0345	Pass
			Extreme(+30)	5700.0258		0.0258	Pass
			Extreme(+40)	5700.0215		0.0215	Pass
			Extreme(+55)	5700.0305		0.0305	Pass
	Extreme(102)	Norma(20)	5700.0336	0.0336		Pass	
	Extreme(138)		5700.0248	0.0248		Pass	
Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Limit (GHz)	Result	
	Volt (V AC)	Temp (°C)		ANT1			Freq. Dev. (MHz)
Band U-NII 3	Normal(120)	5745	Extreme(-20)	5745.0355	5.725-5.85	Pass	
			Extreme(-10)	5745.0325		0.0325	Pass
			Extreme(0)	5745.0285		0.0285	Pass
			Extreme(+10)	5745.0196		0.0196	Pass
			Extreme(+20)	5745.0225		0.0225	Pass
			Extreme(+30)	5745.0384		0.0384	Pass
			Extreme(+40)	5745.0305		0.0305	Pass
			Extreme(+55)	5745.0275		0.0275	Pass
	Extreme(102)	Norma(+20)	5745.0342	0.0342		Pass	
	Extreme(138)		5745.0405	0.0405		Pass	
	Normal(120)	5825	Extreme(-20)	5825.0425		0.0425	Pass
			Extreme(-10)	5825.0389		0.0389	Pass
			Extreme(0)	5825.0266		0.0266	Pass
			Extreme(+10)	5825.0258		0.0258	Pass
			Extreme(+20)	5825.0254		0.0254	Pass
			Extreme(+30)	5825.0305		0.0305	Pass
			Extreme(+40)	5825.0185		0.0185	Pass
			Extreme(+55)	5825.0265		0.0265	Pass
	Extreme(102)	Norma(20)	5825.0445	0.0445		Pass	
Extreme(138)	5825.0256		0.0256	Pass			

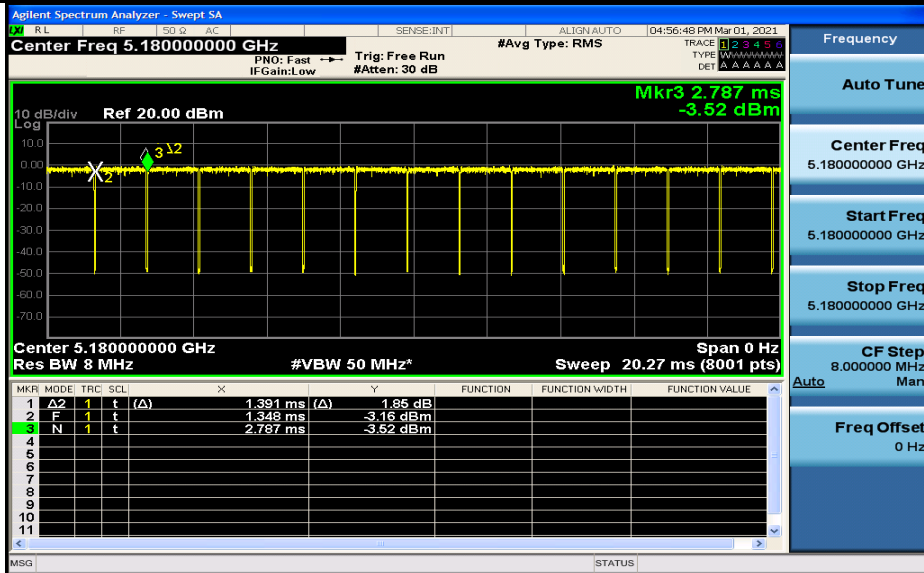
Remark: Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested

9.Duty Cycle

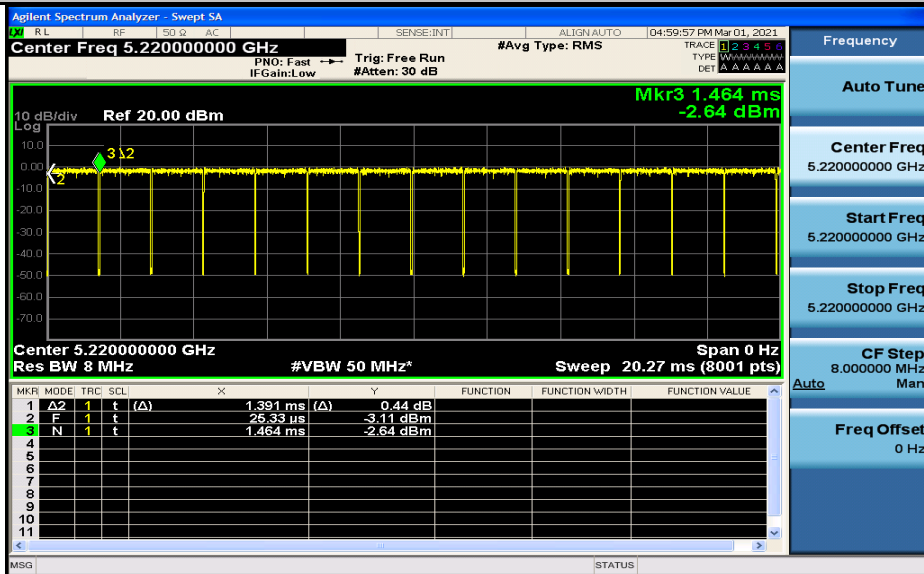
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	5180	Ant1	96.65	0.15
11A	5220	Ant1	96.65	0.15
11A	5240	Ant1	96.65	0.15
11A	5260	Ant1	96.83	0.14
11A	5280	Ant1	96.83	0.14
11A	5320	Ant1	96.83	0.14
11A	5500	Ant1	96.83	0.14
11A	5580	Ant1	96.83	0.14
11A	5700	Ant1	96.65	0.15
11A	5745	Ant1	96.83	0.14
11A	5785	Ant1	96.65	0.15
11A	5825	Ant1	96.65	0.15
11N20	5180	Ant1	96.62	0.15
11N20	5220	Ant1	96.44	0.16
11N20	5240	Ant1	96.44	0.16
11N20	5260	Ant1	96.44	0.16
11N20	5280	Ant1	96.62	0.15
11N20	5320	Ant1	96.62	0.15
11N20	5500	Ant1	96.44	0.16
11N20	5580	Ant1	96.44	0.16
11N20	5700	Ant1	96.62	0.15
11N20	5745	Ant1	96.44	0.16
11N20	5785	Ant1	96.44	0.16
11N20	5825	Ant1	96.44	0.16
11N40	5190	Ant1	93.04	0.31
11N40	5230	Ant1	93.38	0.30
11N40	5270	Ant1	93.04	0.31
11N40	5310	Ant1	93.38	0.30
11N40	5510	Ant1	93.38	0.30
11N40	5550	Ant1	93.38	0.30
11N40	5670	Ant1	93.38	0.30
11N40	5755	Ant1	93.04	0.31
11N40	5795	Ant1	93.38	0.30
11AC20	5180	Ant1	96.46	0.16
11AC20	5220	Ant1	96.46	0.16
11AC20	5240	Ant1	96.46	0.16
11AC20	5260	Ant1	96.64	0.15

11AC20	5280	Ant1	96.46	0.16
11AC20	5320	Ant1	96.64	0.15
11AC20	5500	Ant1	96.46	0.16
11AC20	5580	Ant1	96.64	0.15
11AC20	5700	Ant1	96.46	0.16
11AC20	5745	Ant1	96.64	0.15
11AC20	5785	Ant1	96.46	0.16
11AC20	5825	Ant1	96.46	0.16
11AC40	5190	Ant1	93.45	0.29
11AC40	5230	Ant1	93.45	0.29
11AC40	5270	Ant1	93.45	0.29
11AC40	5310	Ant1	93.09	0.31
11AC40	5510	Ant1	93.12	0.31
11AC40	5550	Ant1	93.45	0.29
11AC40	5670	Ant1	93.12	0.31
11AC40	5755	Ant1	93.45	0.29
11AC40	5795	Ant1	93.09	0.31
11AC80	5210	Ant1	87.50	0.58
11AC80	5290	Ant1	87.50	0.58
11AC80	5530	Ant1	86.81	0.61
11AC80	5775	Ant1	54.76	2.62

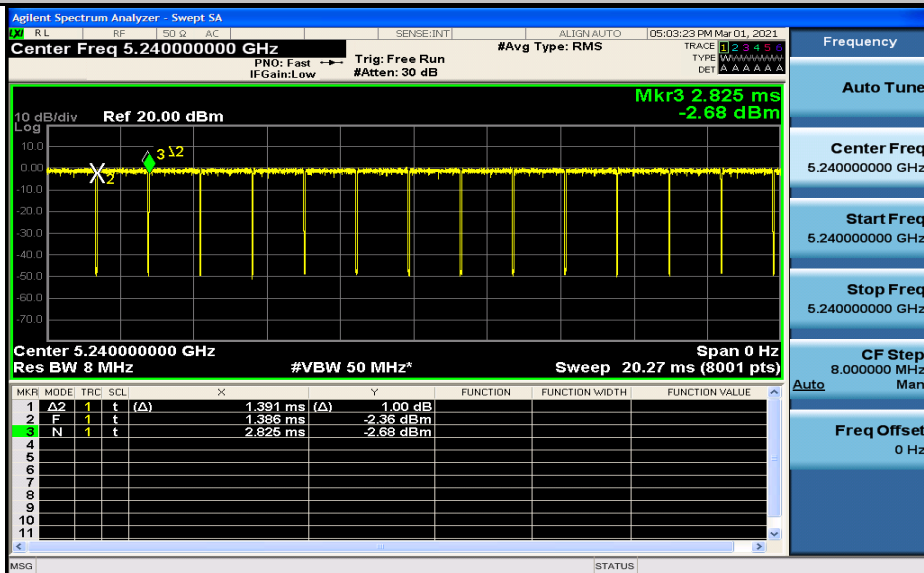
Duty Cycle_11A_5180_Ant1



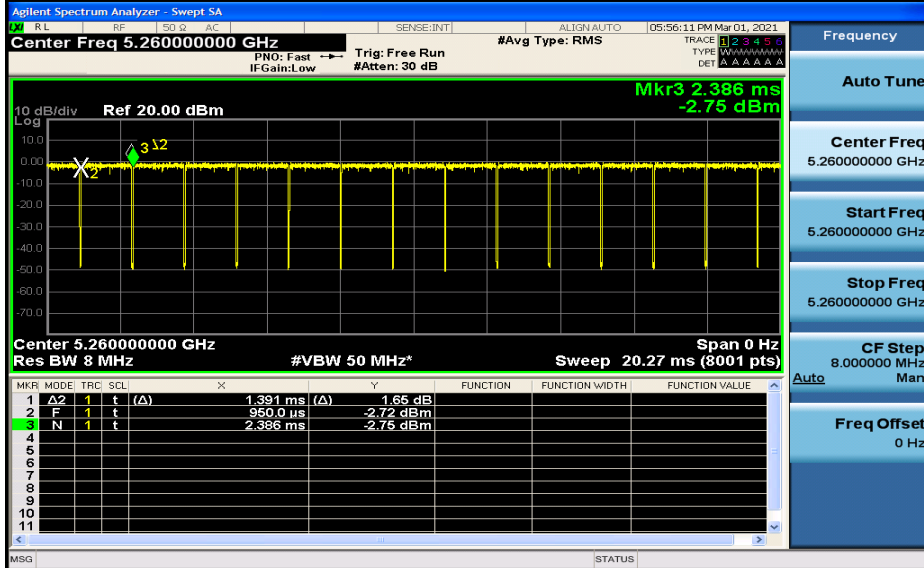
Duty Cycle_11A_5220_Ant1



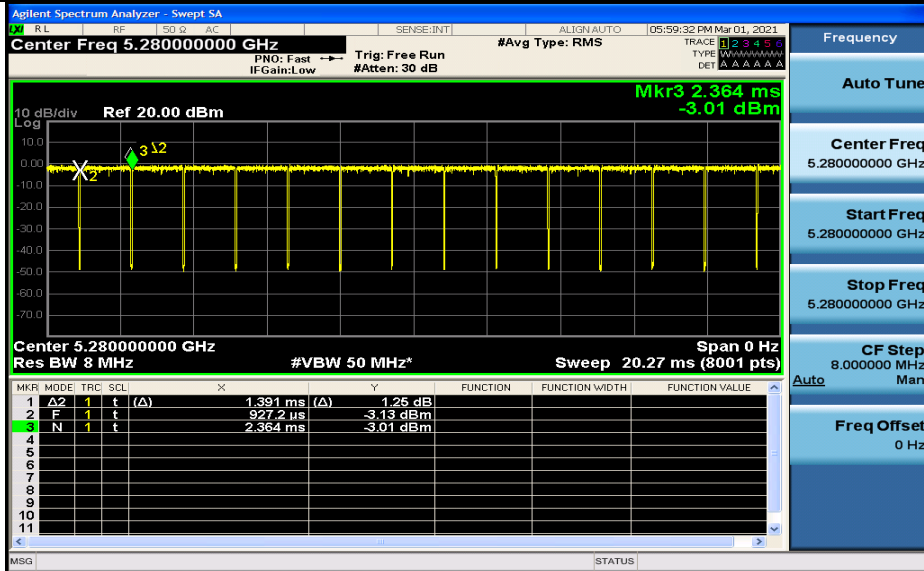
Duty Cycle_11A_5240_Ant1



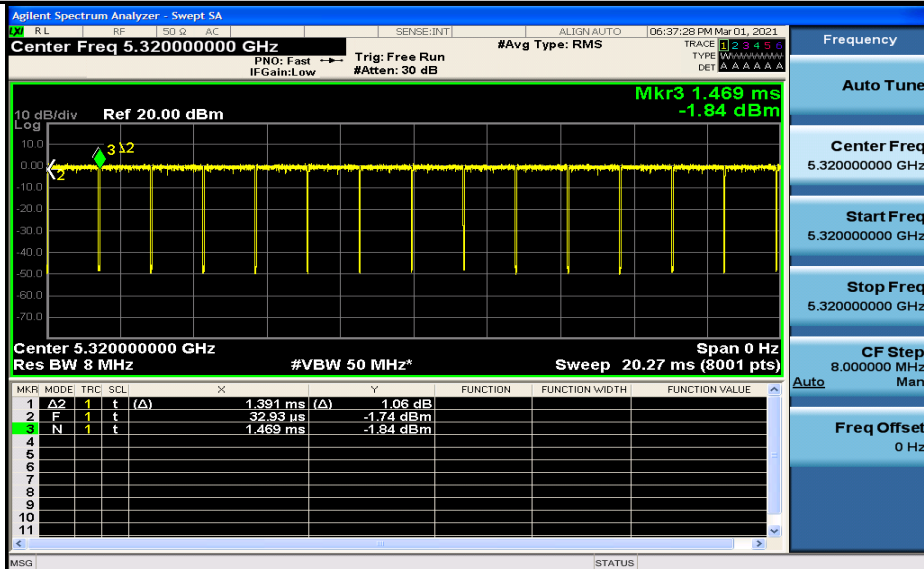
Duty Cycle_11A_5260_Ant1



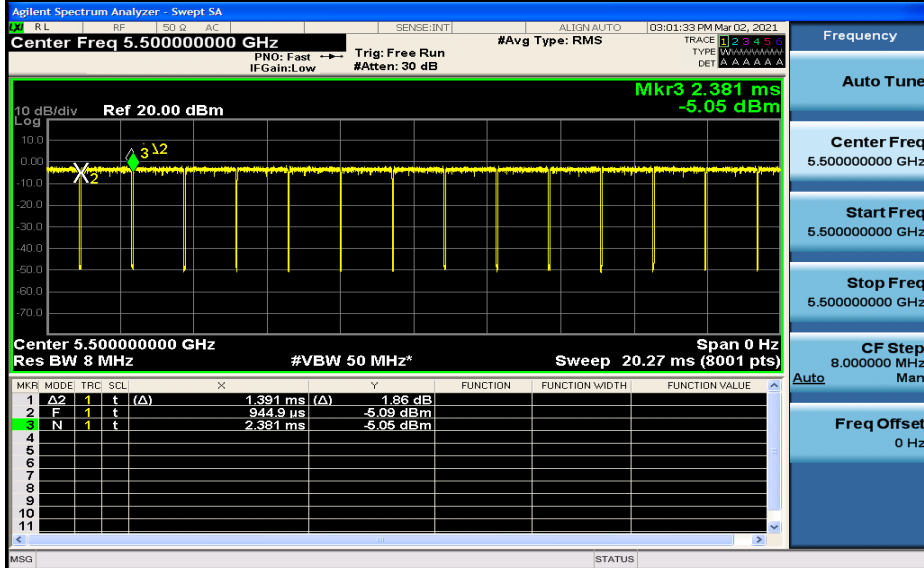
Duty Cycle_11A_5280_Ant1



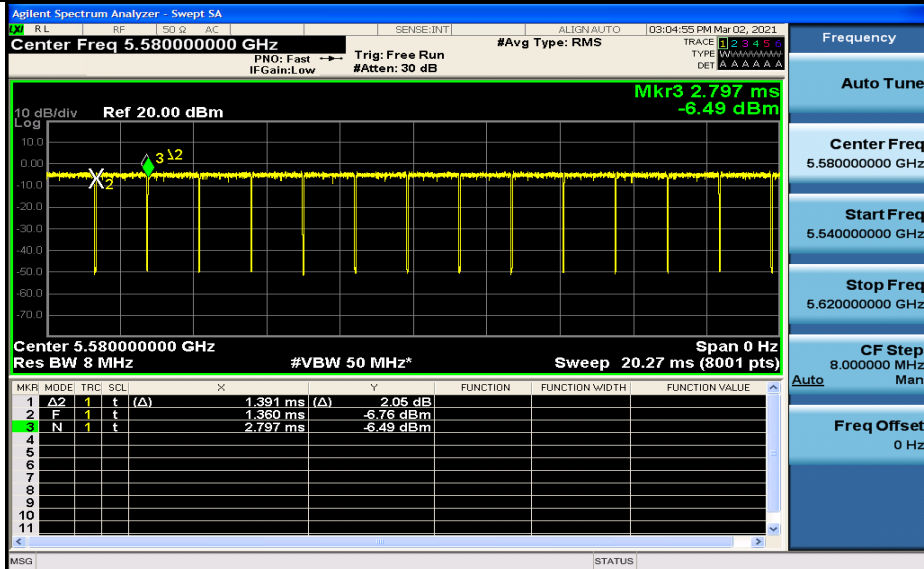
Duty Cycle_11A_5320_Ant1



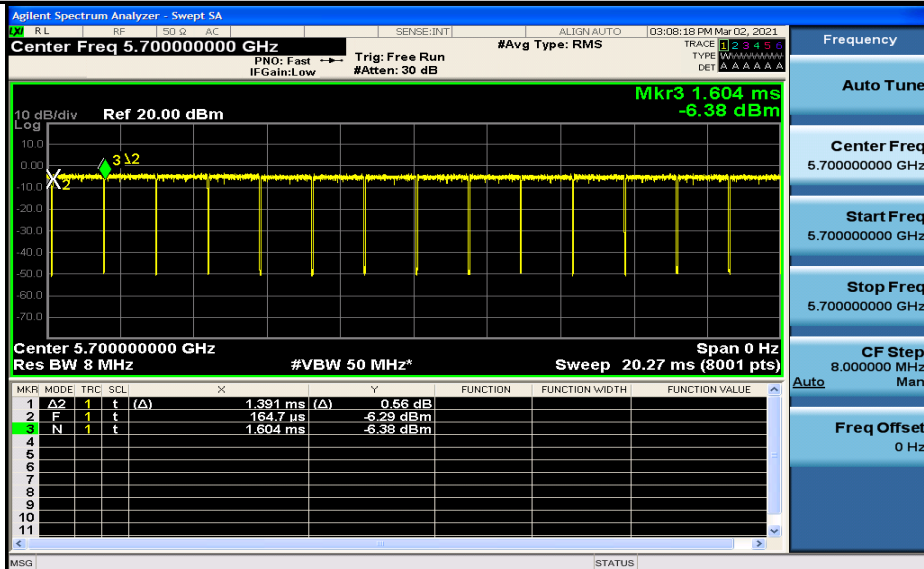
Duty Cycle_11A_5500_Ant1



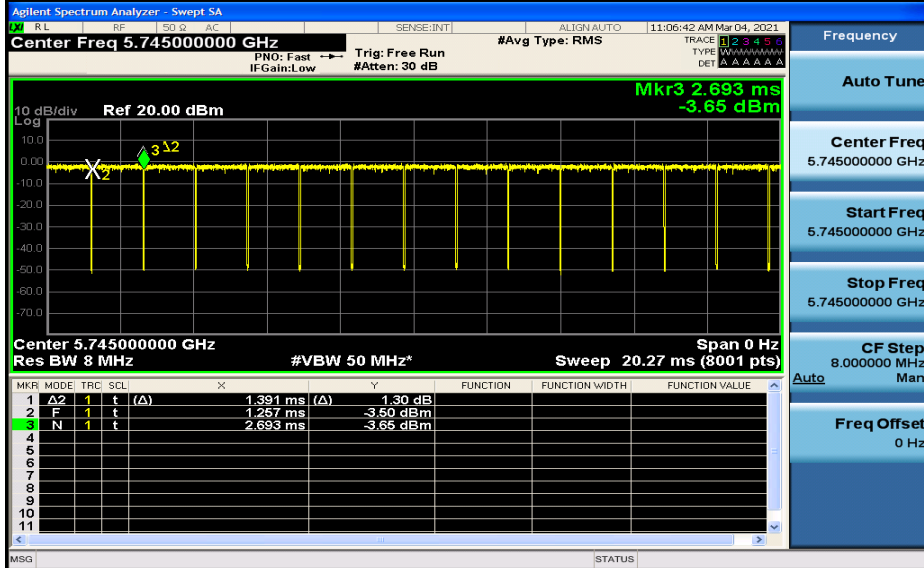
Duty Cycle_11A_5580_Ant1



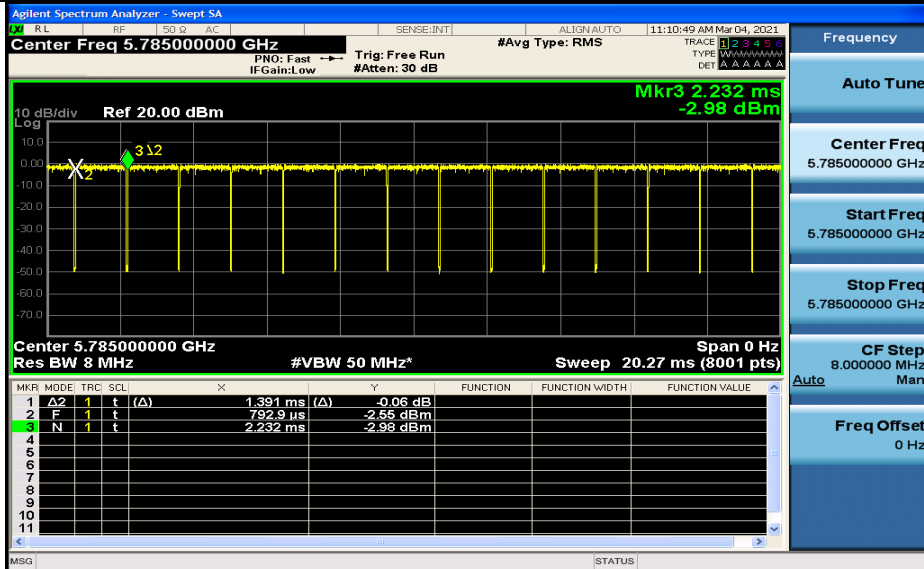
Duty Cycle_11A_5700_Ant1



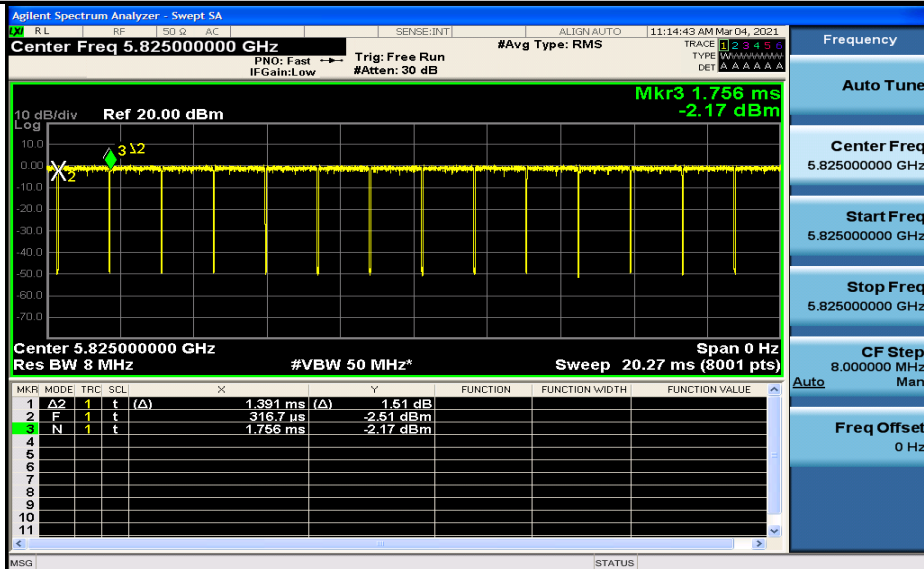
Duty Cycle_11A_5745_Ant1



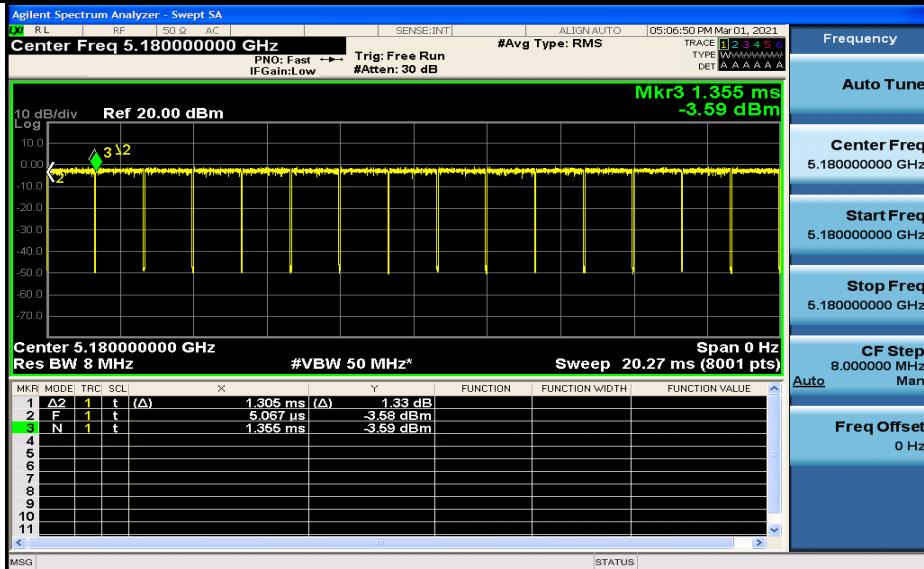
Duty Cycle_11A_5785_Ant1



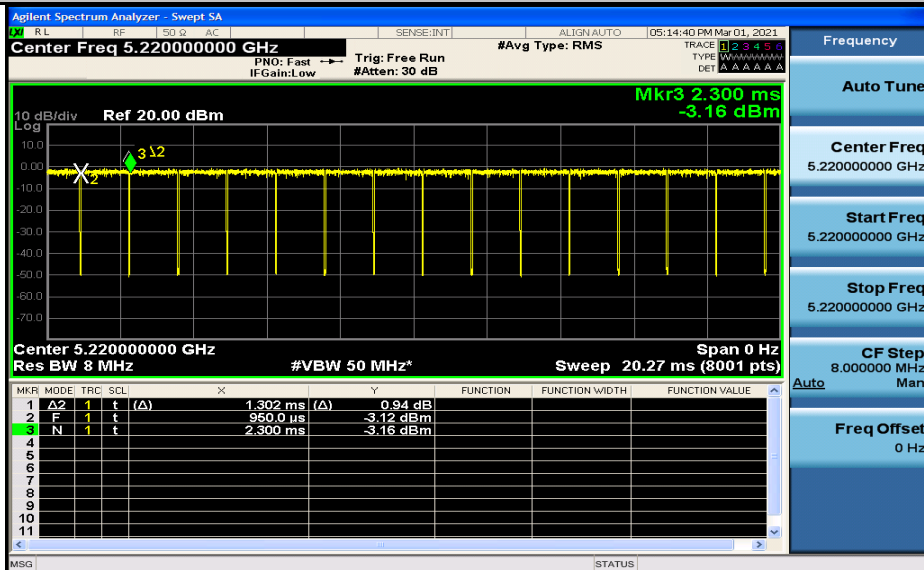
Duty Cycle_11A_5825_Ant1



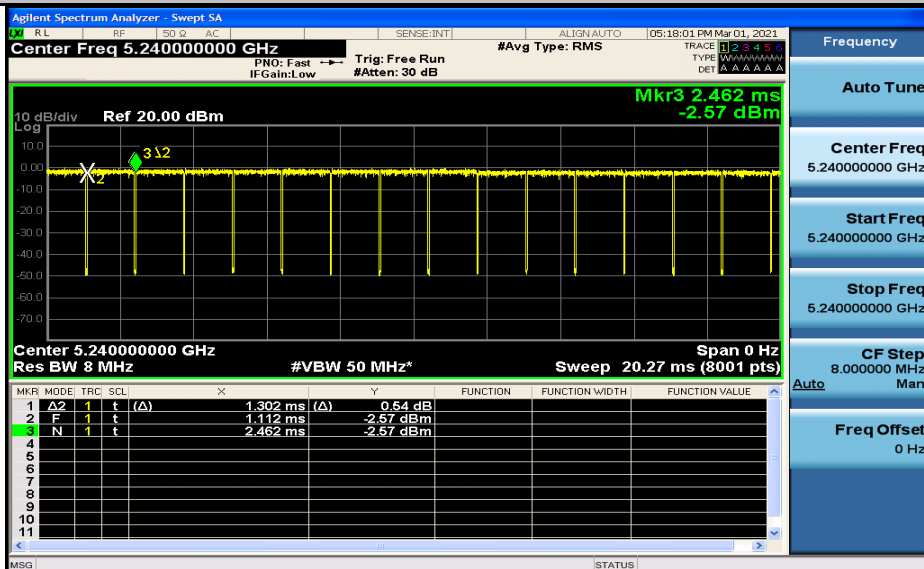
Duty Cycle_11N20_5180_Ant1



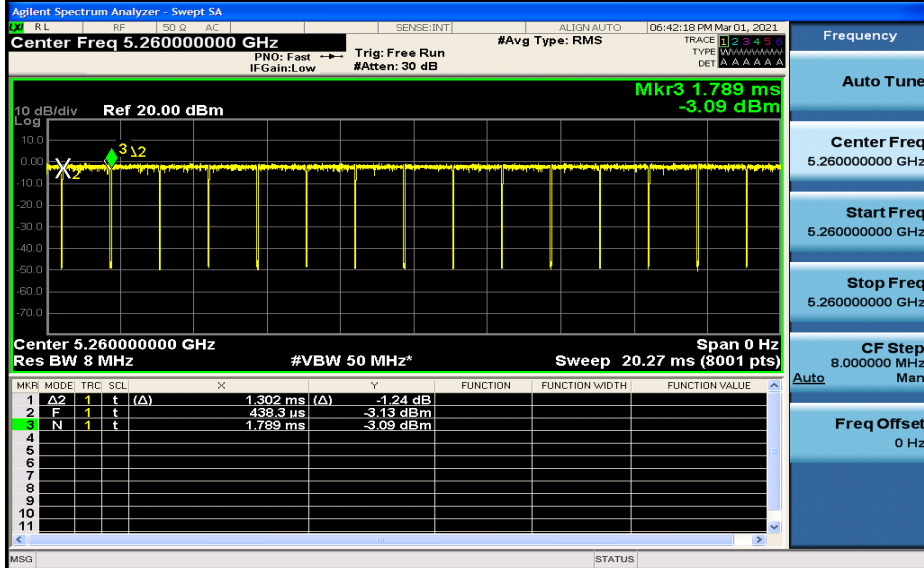
Duty Cycle_11N20_5220_Ant1



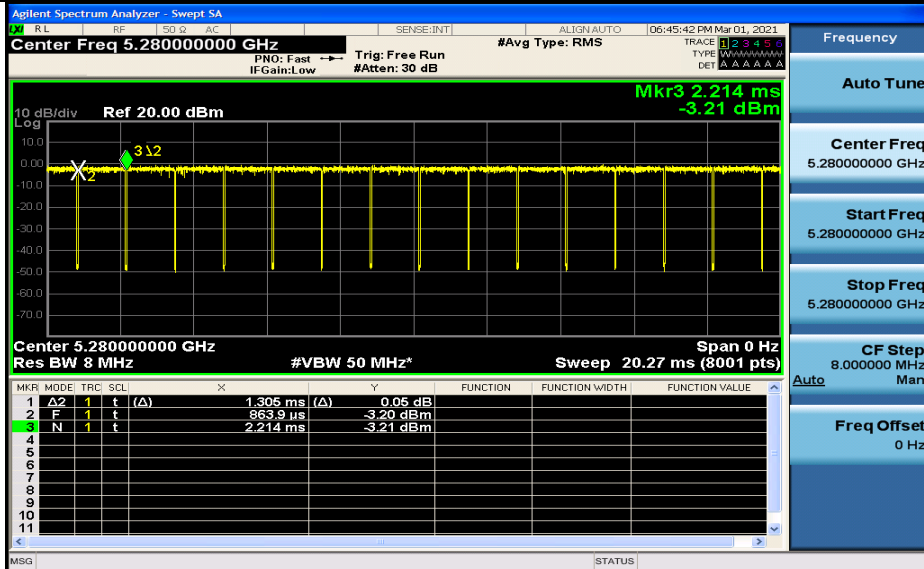
Duty Cycle_11N20_5240_Ant1



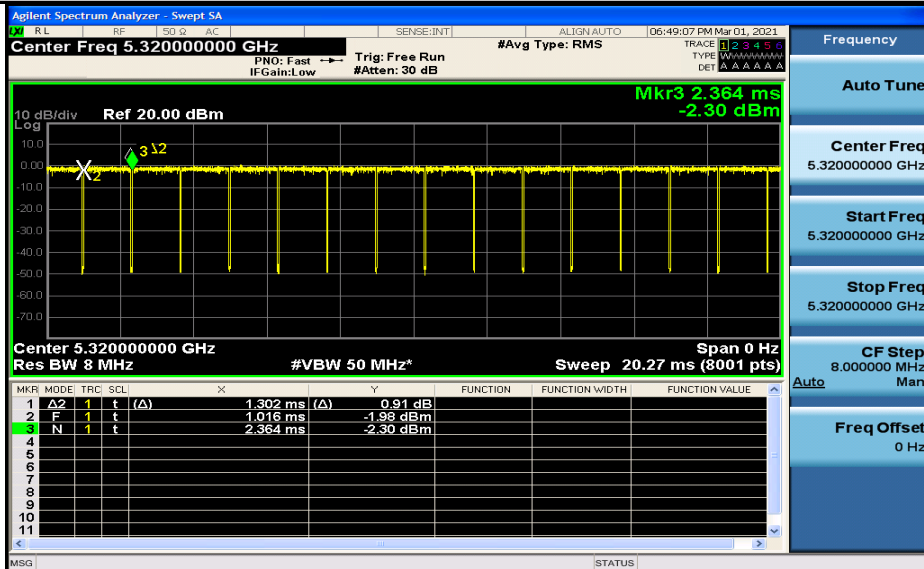
Duty Cycle_11N20_5260_Ant1



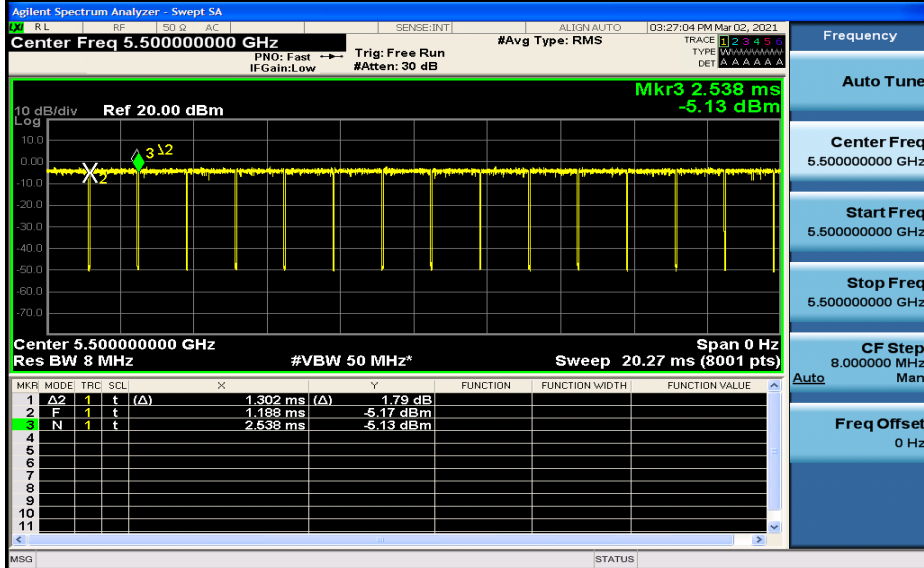
Duty Cycle_11N20_5280_Ant1



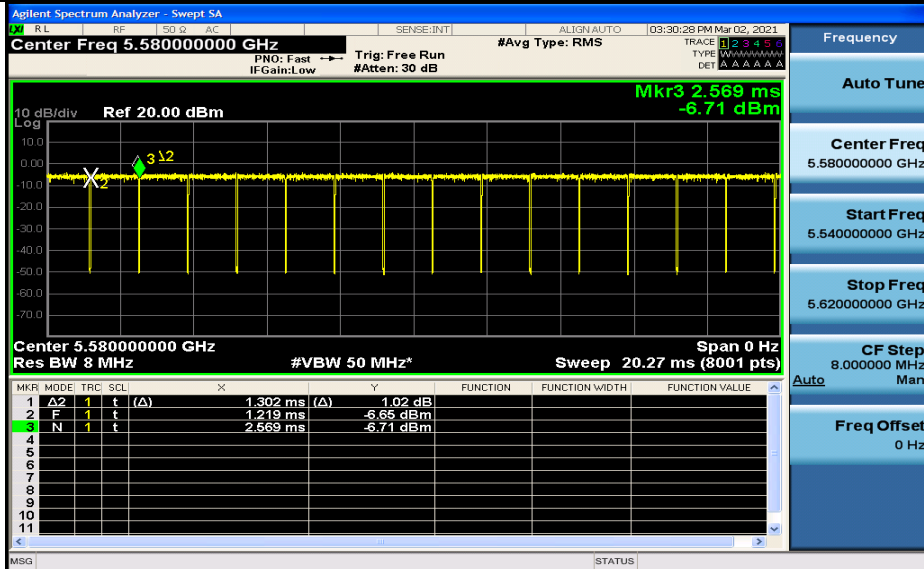
Duty Cycle_11N20_5320_Ant1



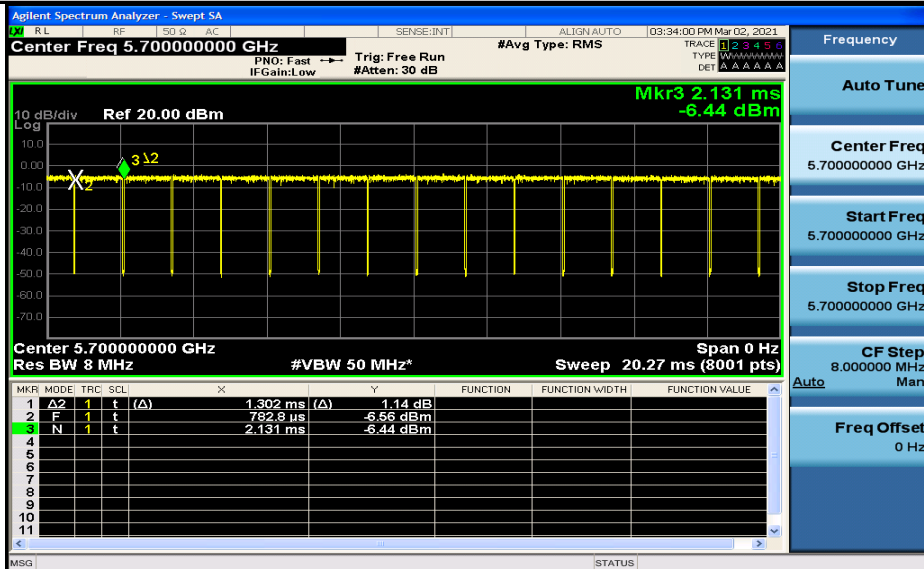
Duty Cycle_11N20_5500_Ant1



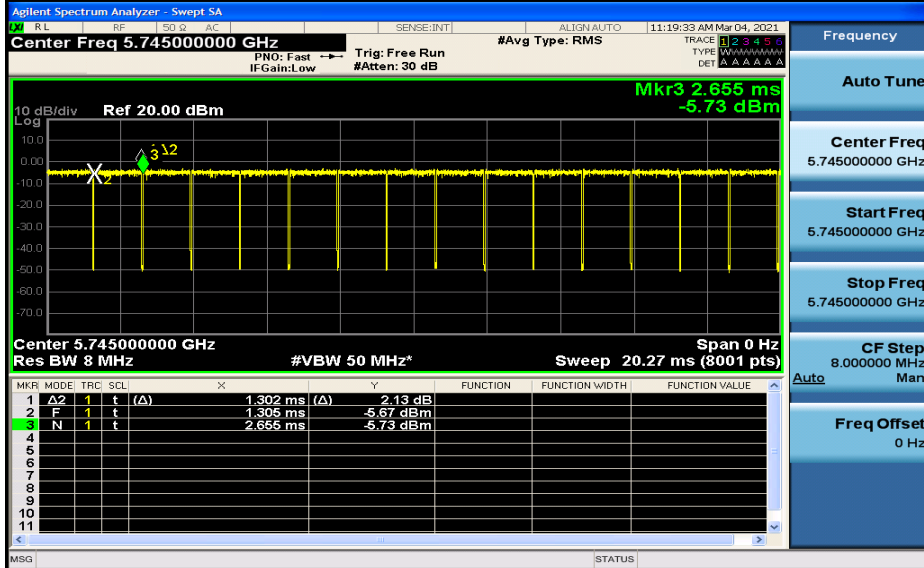
Duty Cycle_11N20_5580_Ant1



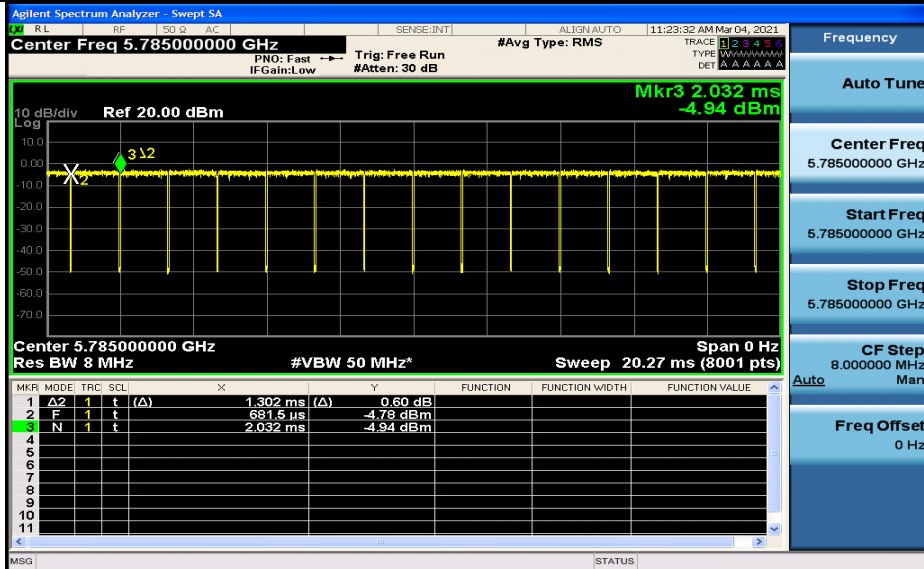
Duty Cycle_11N20_5700_Ant1



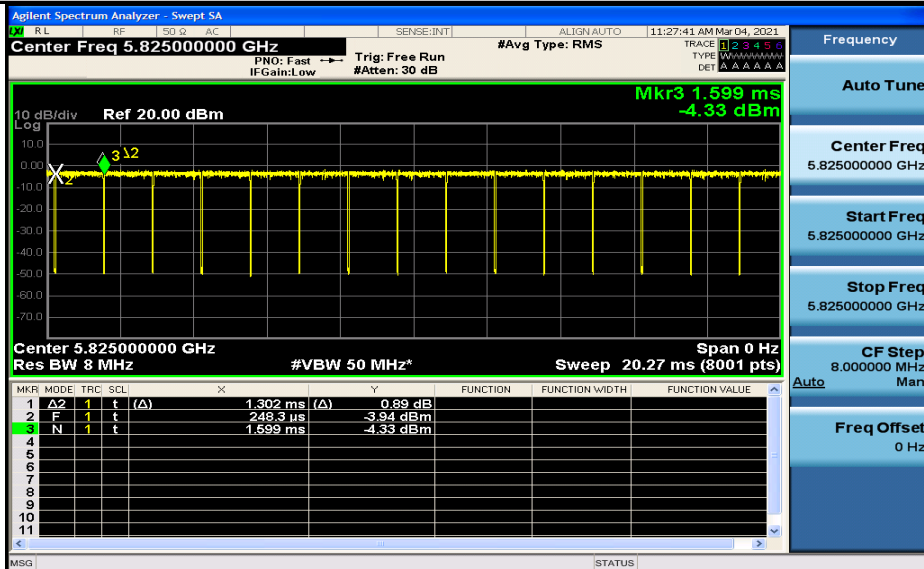
Duty Cycle_11N20_5745_Ant1



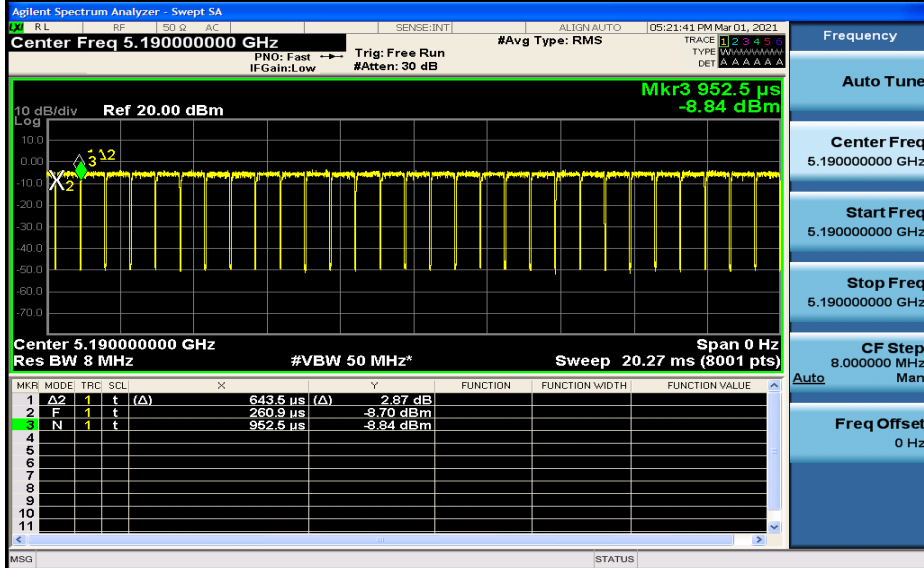
Duty Cycle_11N20_5785_Ant1



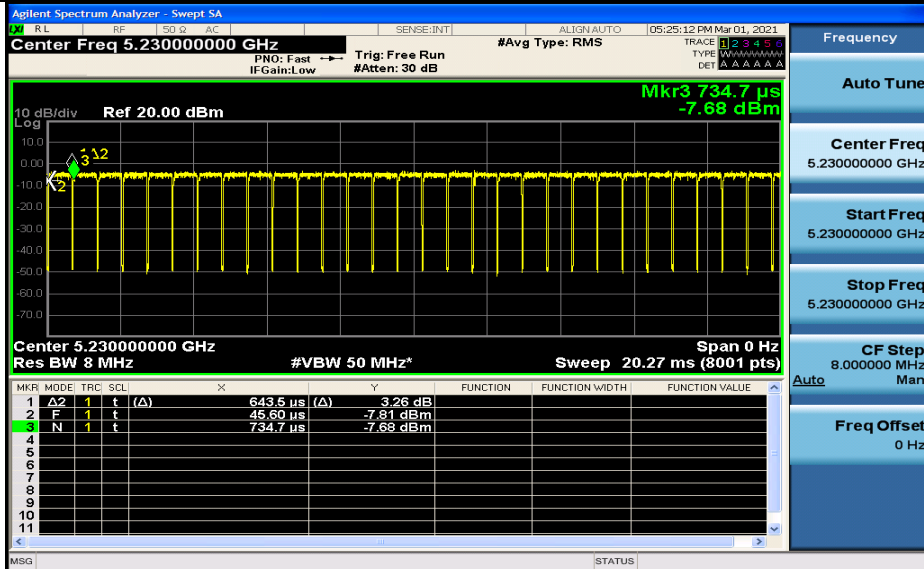
Duty Cycle_11N20_5825_Ant1



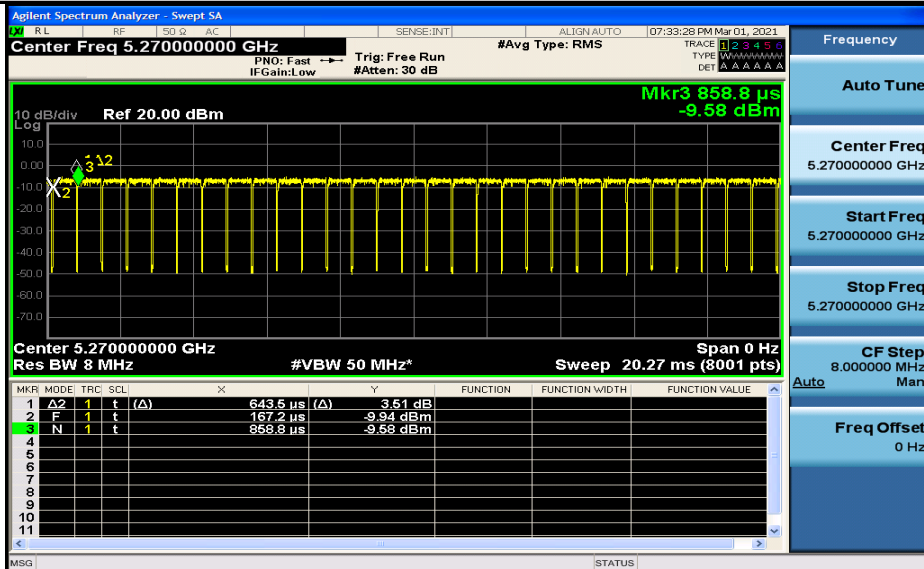
Duty Cycle_11N40_5190_Ant1



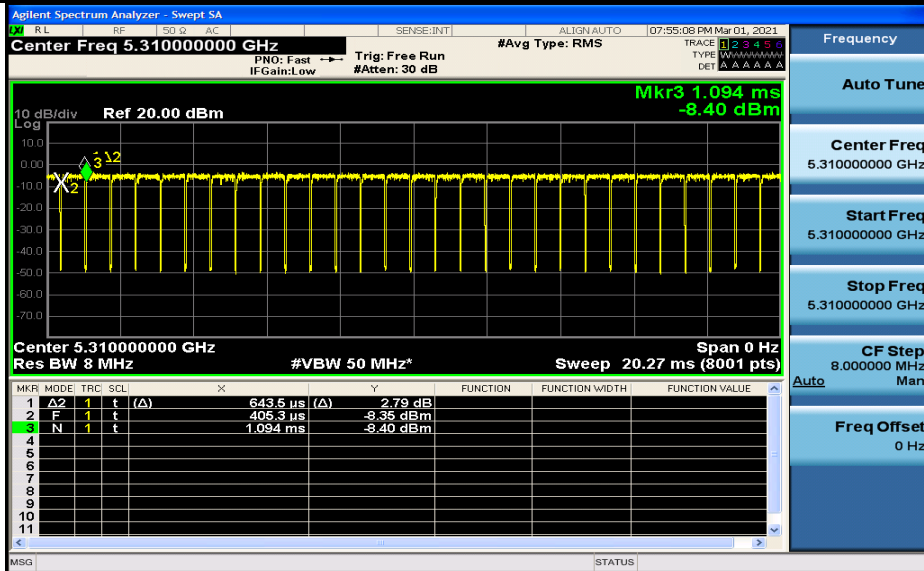
Duty Cycle_11N40_5230_Ant1



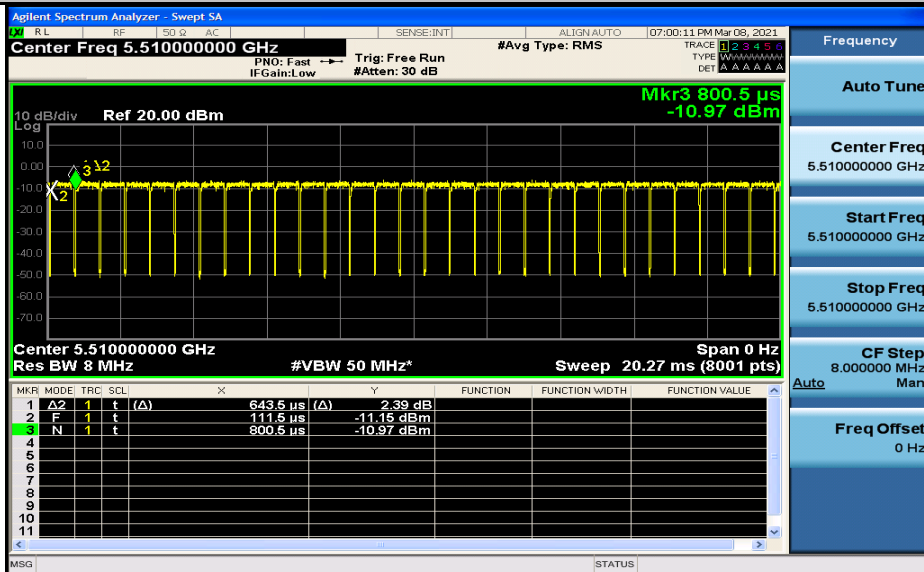
Duty Cycle_11N40_5270_Ant1



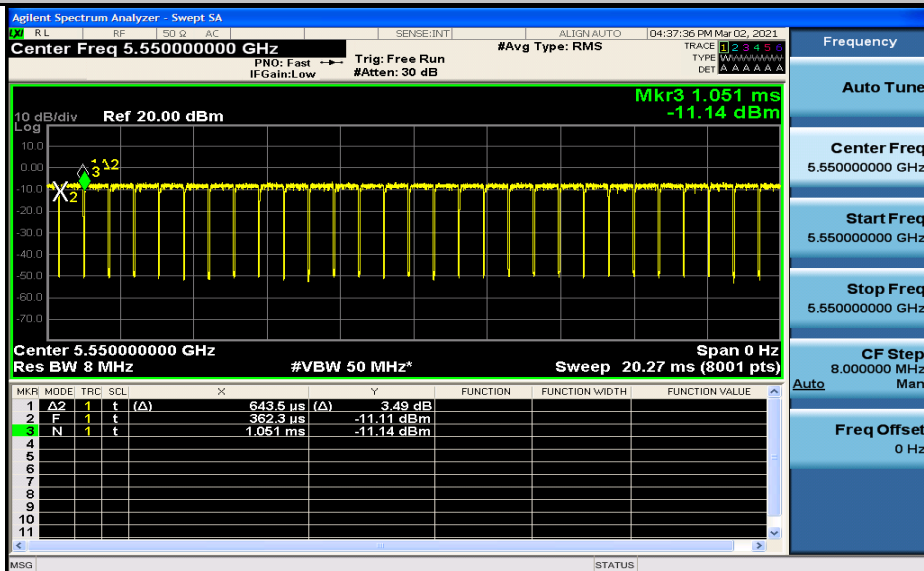
Duty Cycle_11N40_5310_Ant1



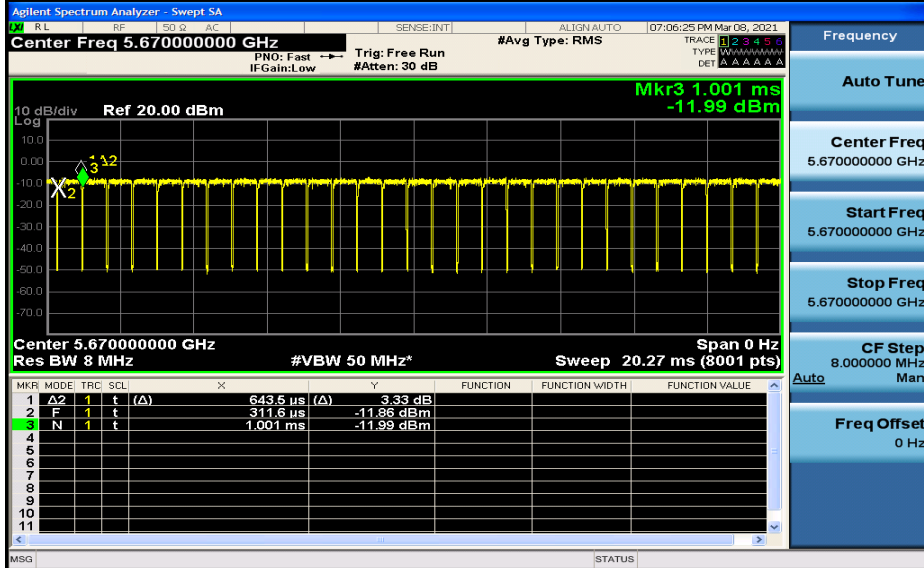
Duty Cycle_11N40_5510_Ant1



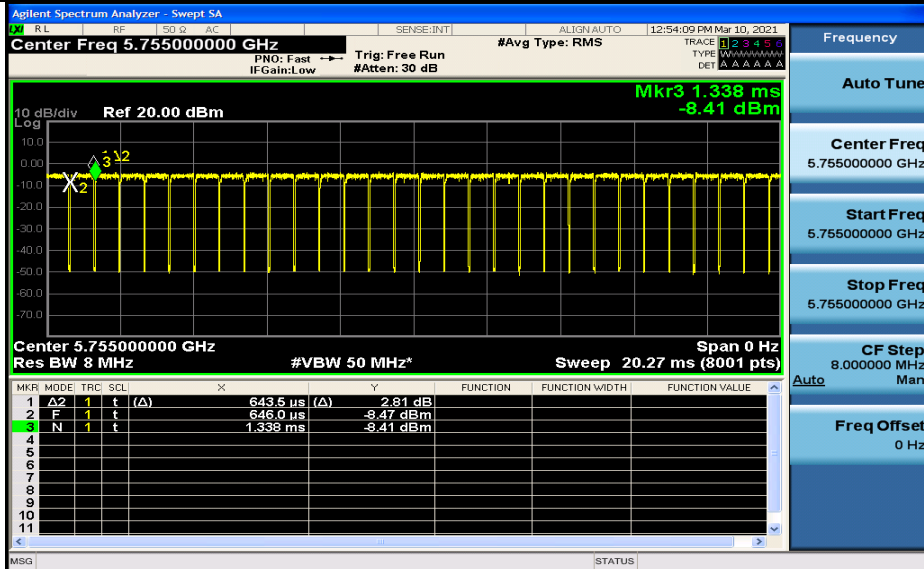
Duty Cycle_11N40_5550_Ant1



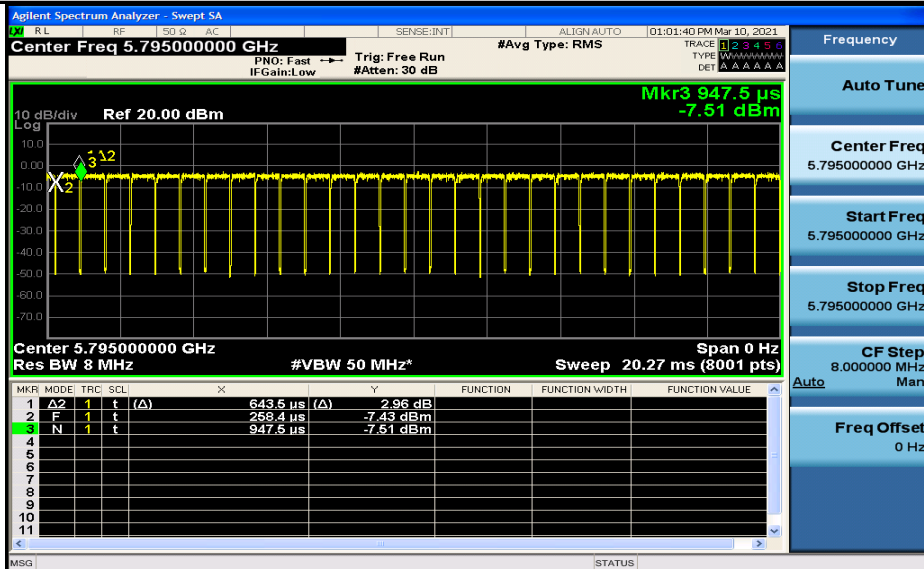
Duty Cycle_11N40_5670_Ant1



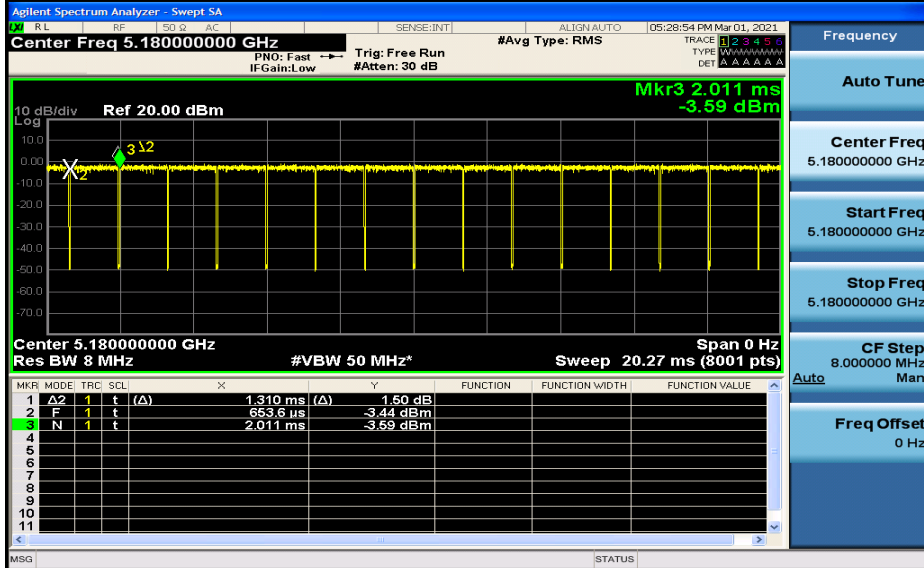
Duty Cycle_11N40_5755_Ant1



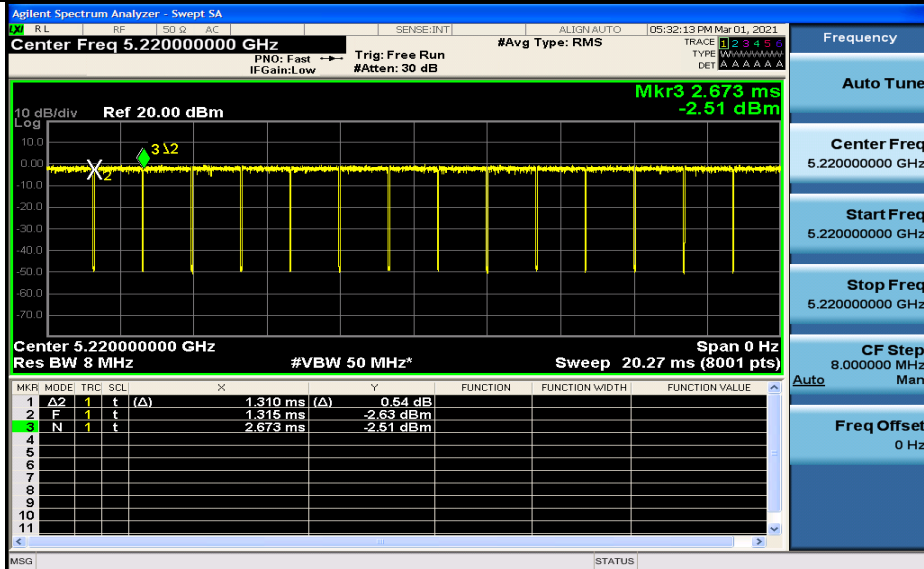
Duty Cycle_11N40_5795_Ant1



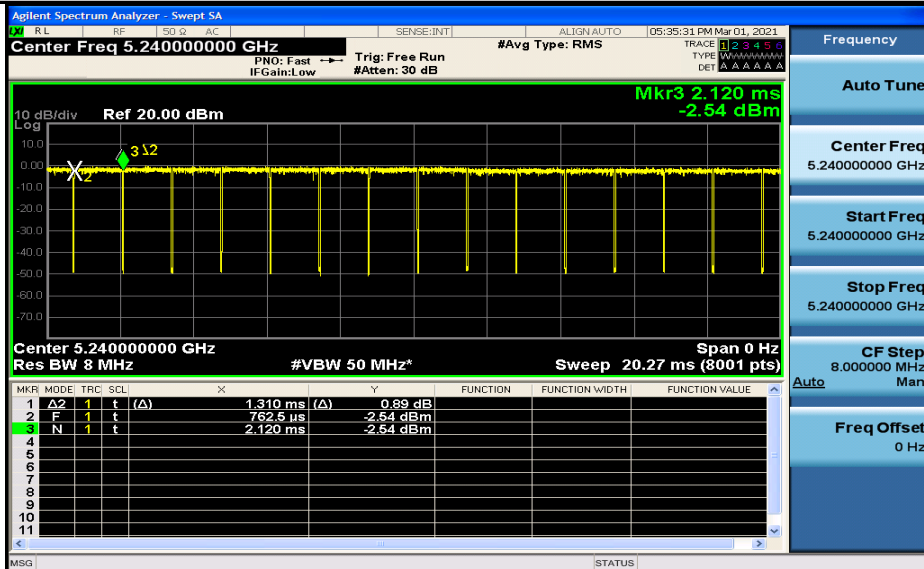
Duty Cycle_11AC20_5180_Ant1



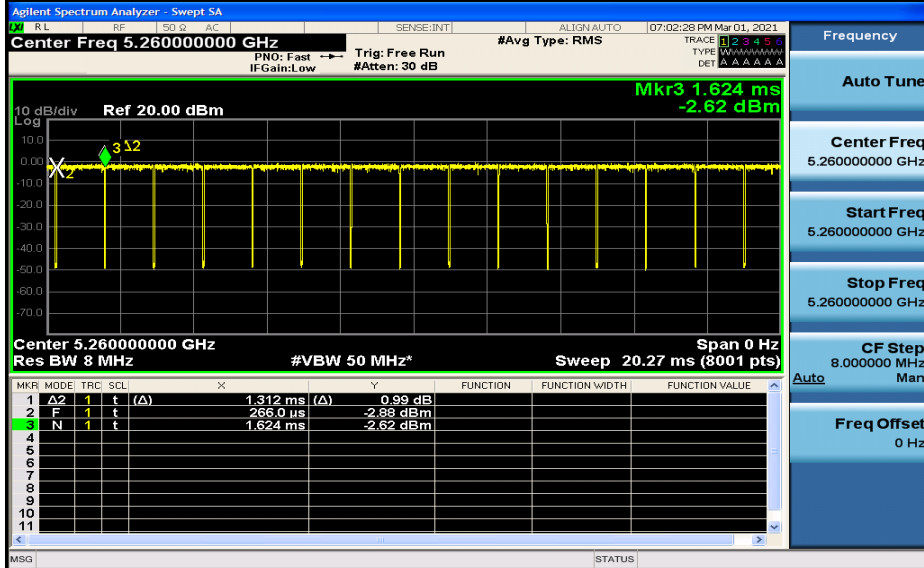
Duty Cycle_11AC20_5220_Ant1



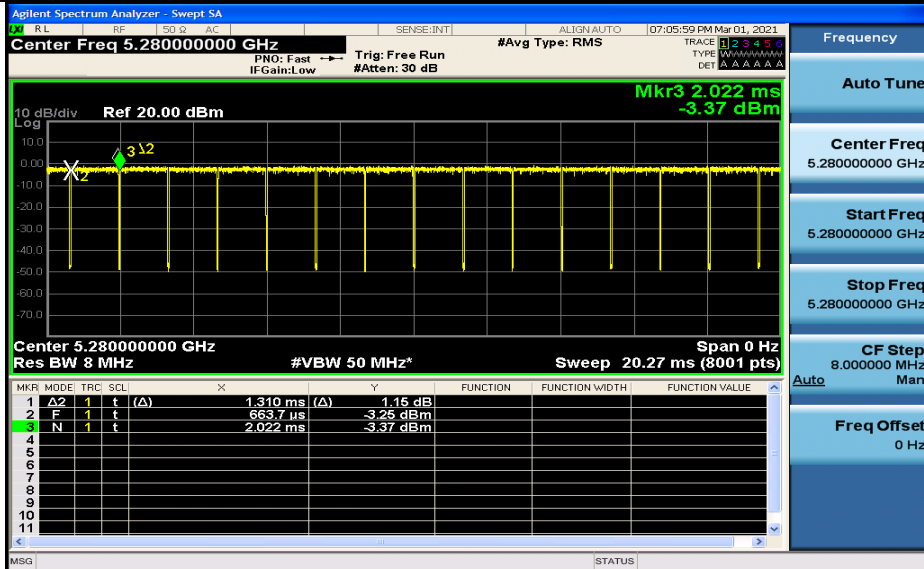
Duty Cycle_11AC20_5240_Ant1



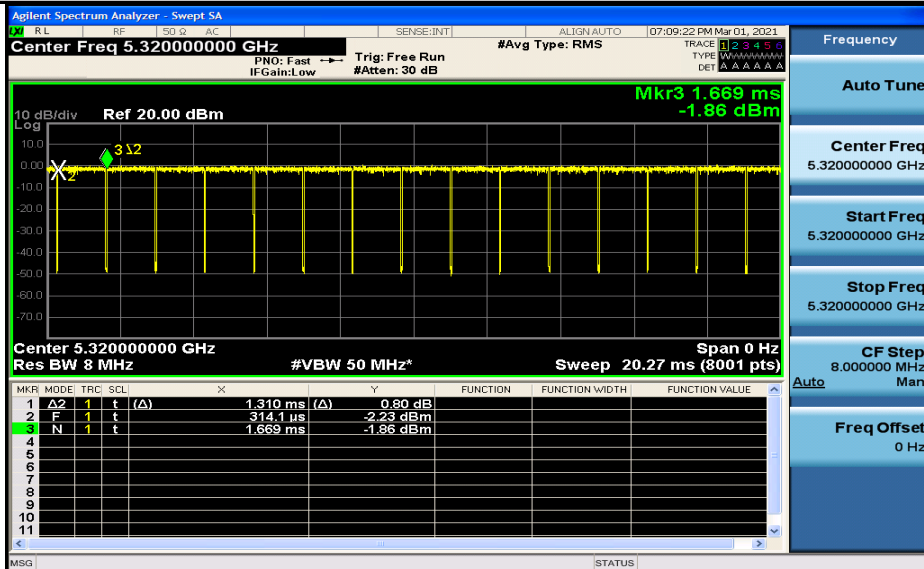
Duty Cycle_11AC20_5260_Ant1



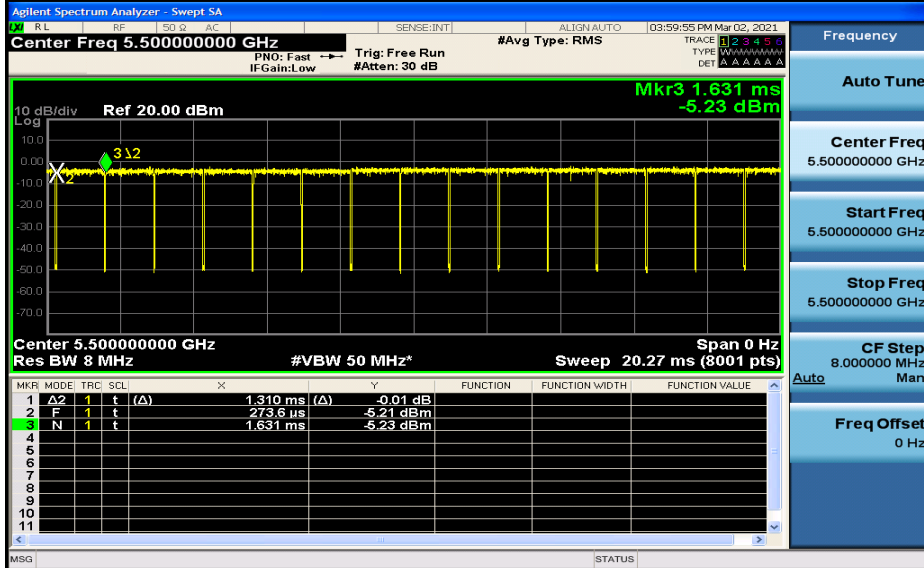
Duty Cycle_11AC20_5280_Ant1



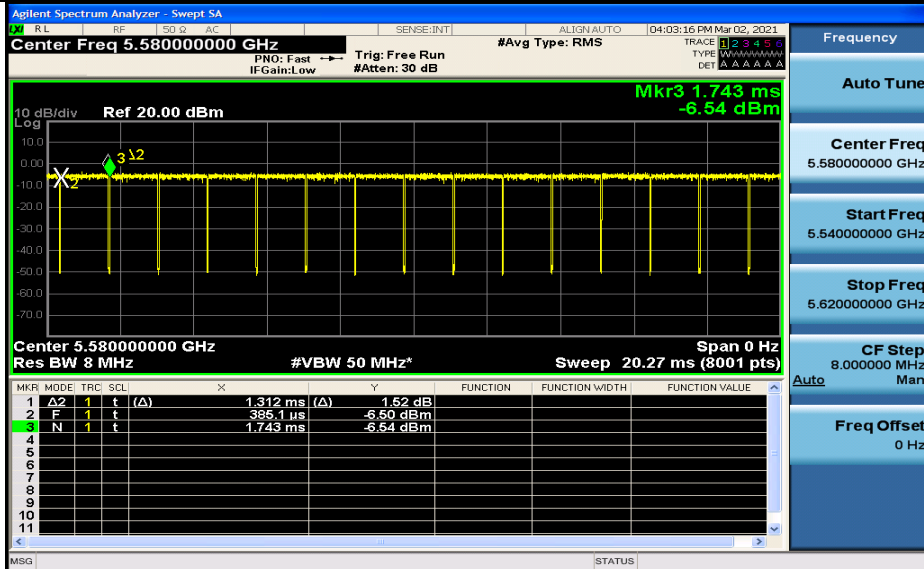
Duty Cycle_11AC20_5320_Ant1



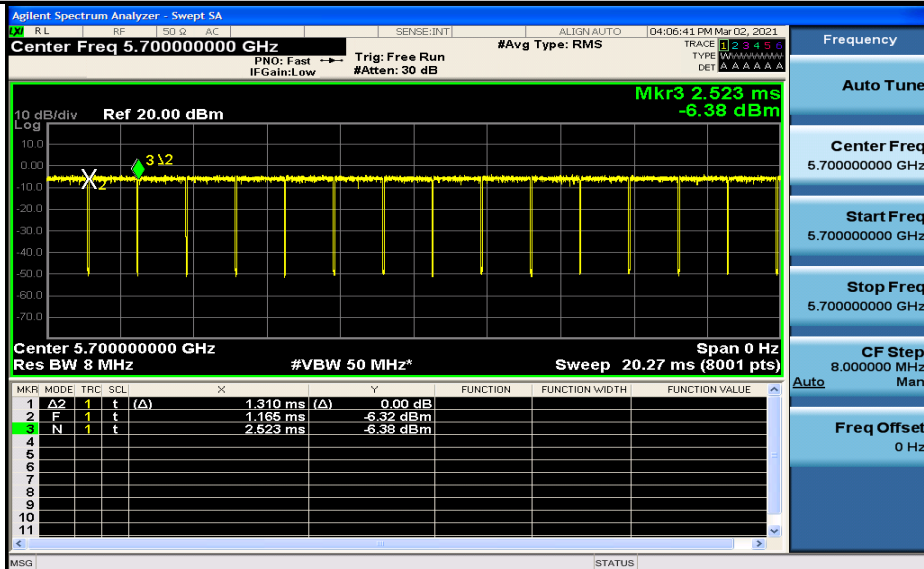
Duty Cycle_11AC20_5500_Ant1



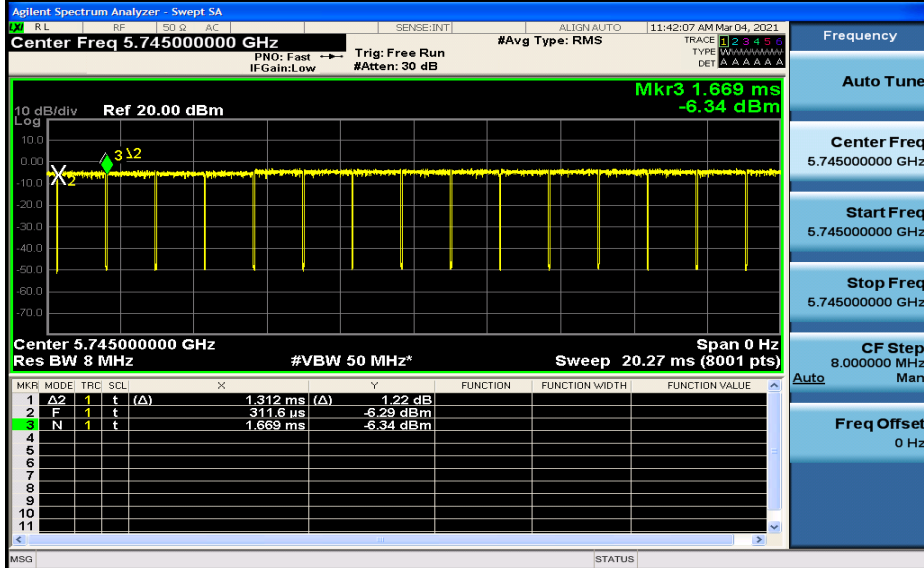
Duty Cycle_11AC20_5580_Ant1



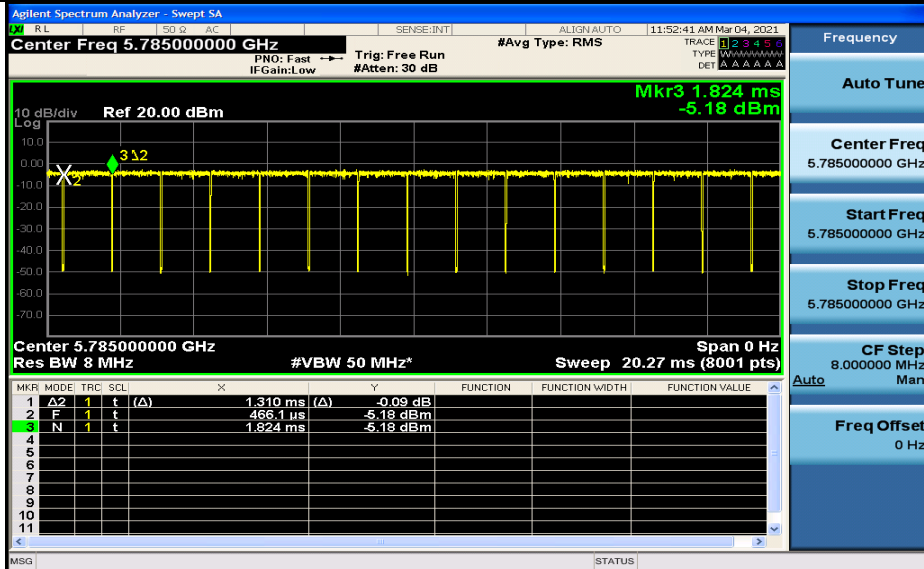
Duty Cycle_11AC20_5700_Ant1



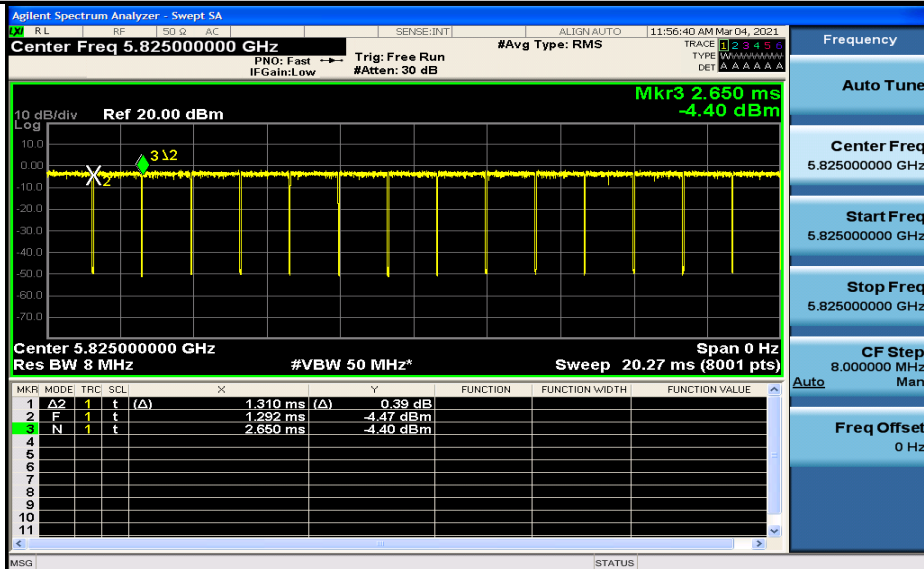
Duty Cycle_11AC20_5745_Ant1



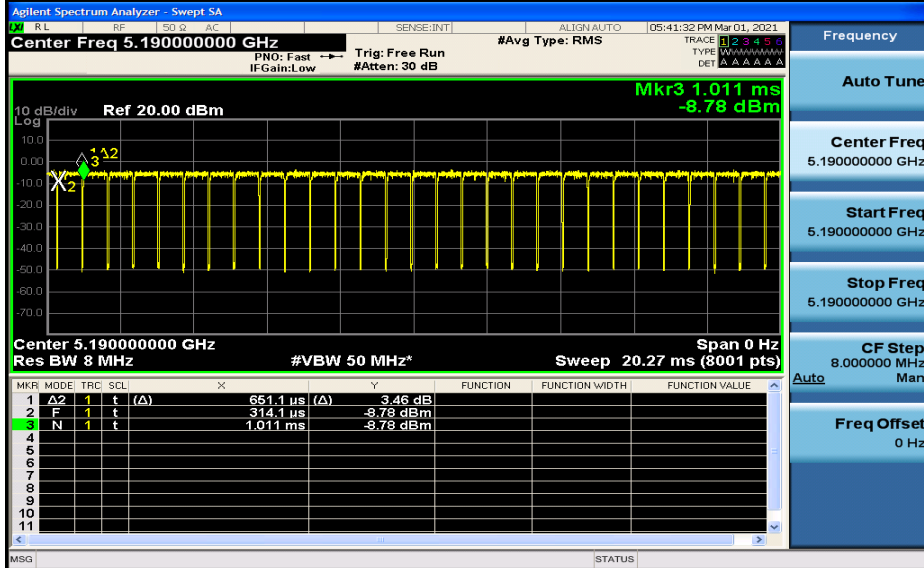
Duty Cycle_11AC20_5785_Ant1



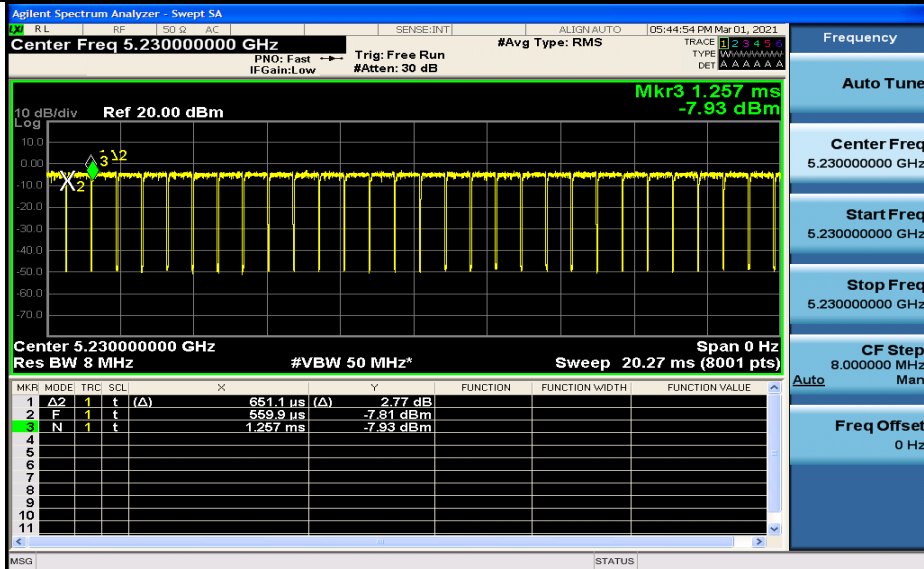
Duty Cycle_11AC20_5825_Ant1



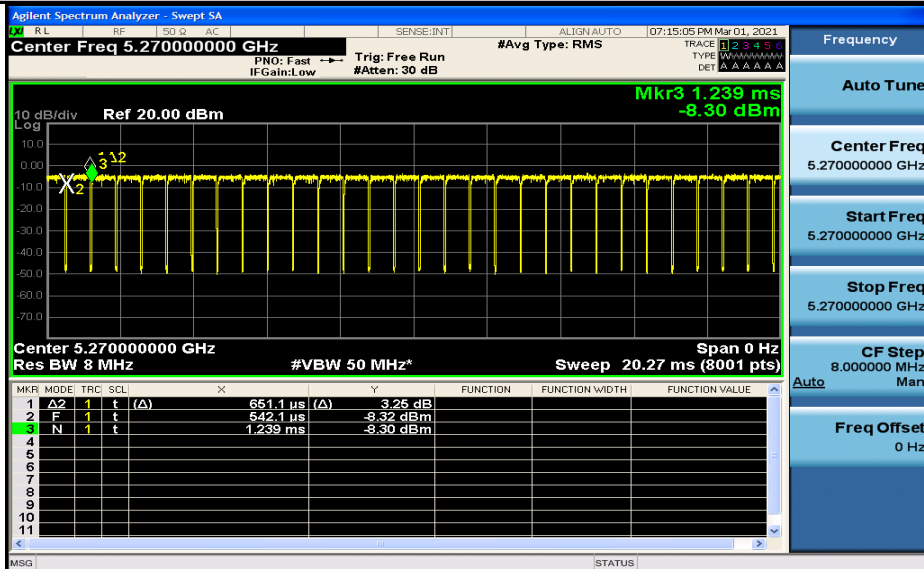
Duty Cycle_11AC40_5190_Ant1



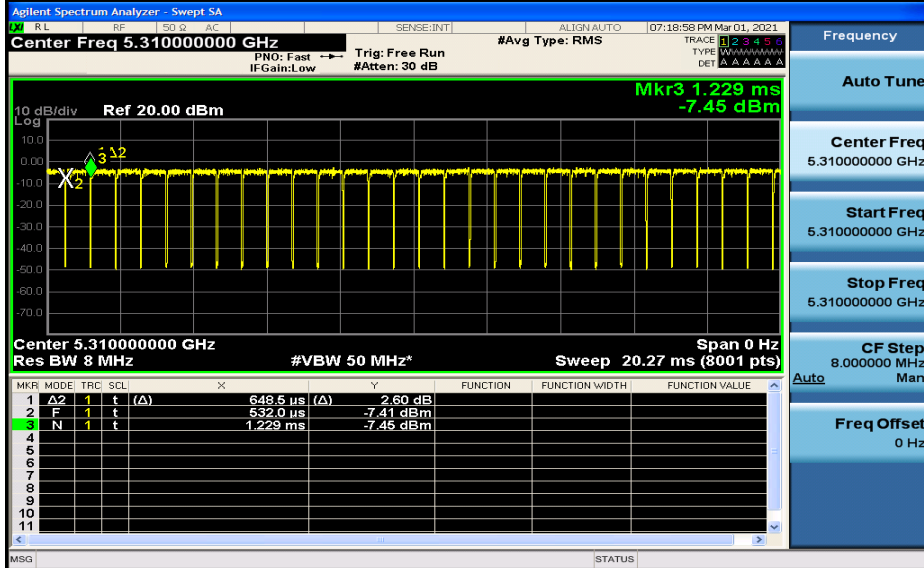
Duty Cycle_11AC40_5230_Ant1



Duty Cycle_11AC40_5270_Ant1

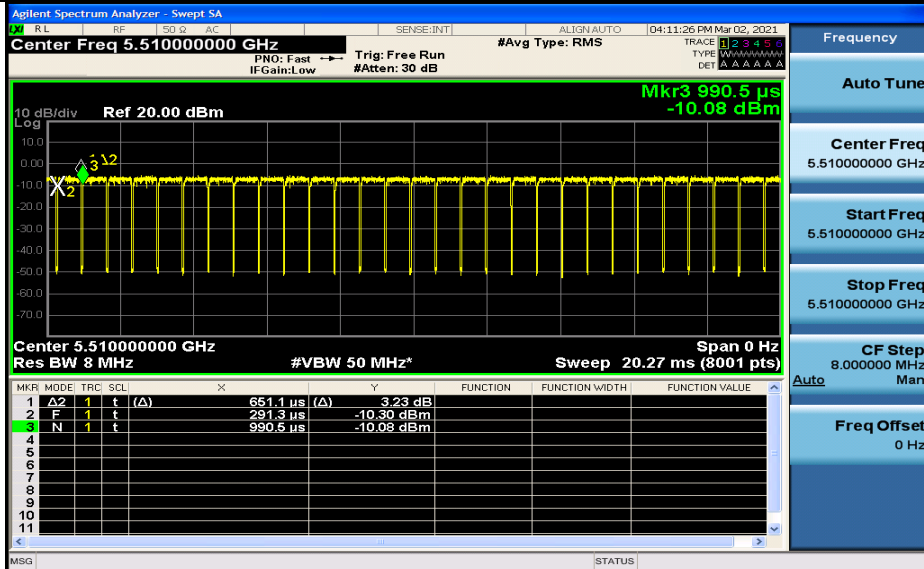


Duty Cycle_11AC40_5310_Ant1



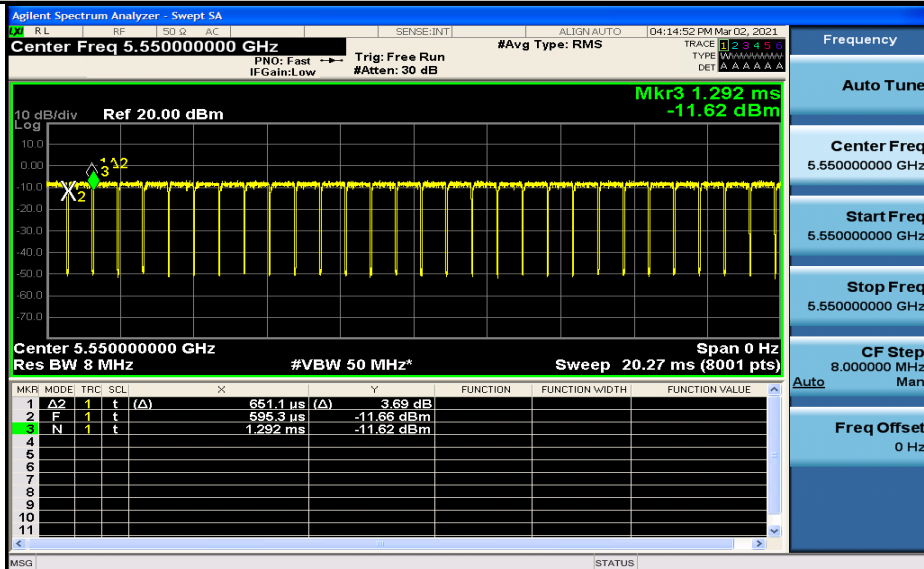
Frequency
Auto Tune
Center Freq 5.31000000 GHz
Start Freq 5.31000000 GHz
Stop Freq 5.31000000 GHz
CF Step 8.000000 MHz
Auto Man
Freq Offset 0 Hz

Duty Cycle_11AC40_5510_Ant1



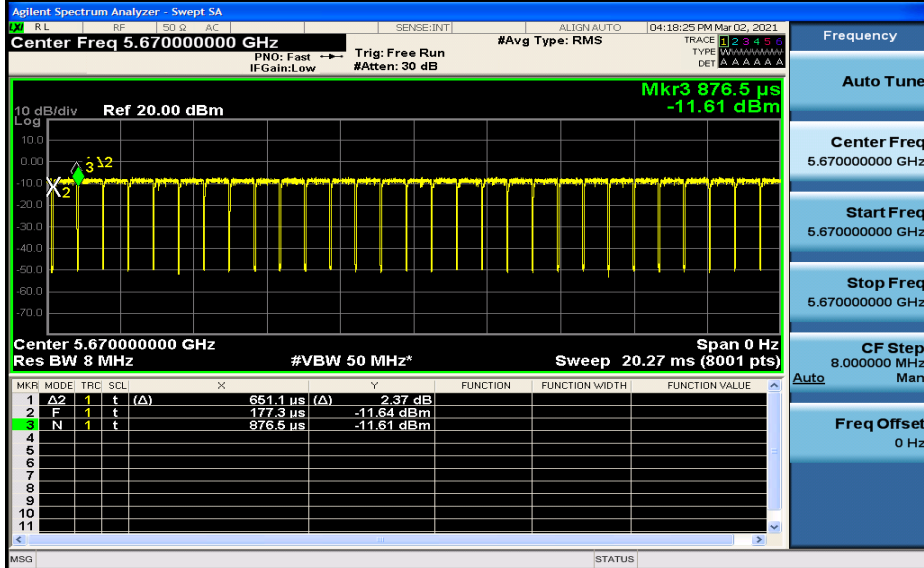
Frequency
Auto Tune
Center Freq 5.51000000 GHz
Start Freq 5.51000000 GHz
Stop Freq 5.51000000 GHz
CF Step 8.000000 MHz
Auto Man
Freq Offset 0 Hz

Duty Cycle_11AC40_5550_Ant1



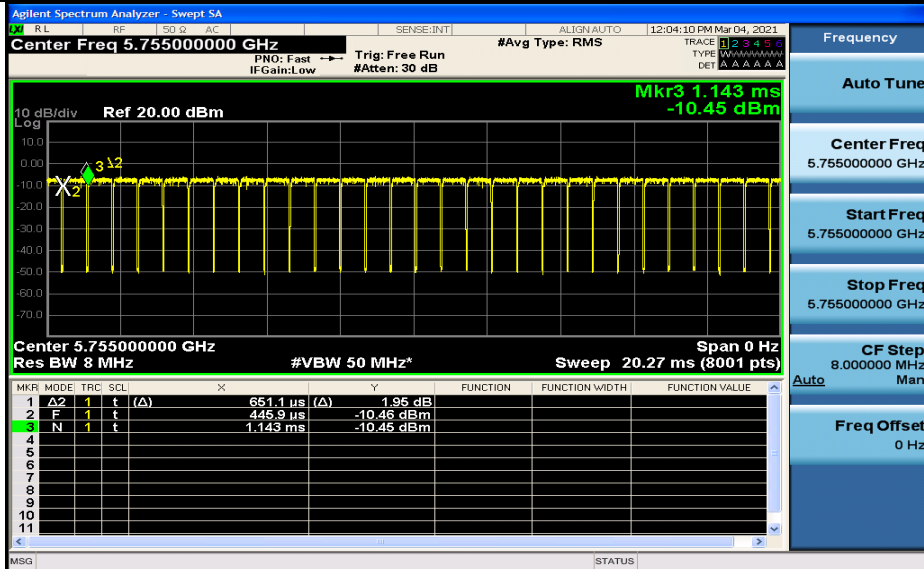
Frequency
Auto Tune
Center Freq 5.55000000 GHz
Start Freq 5.55000000 GHz
Stop Freq 5.55000000 GHz
CF Step 8.000000 MHz
Auto Man
Freq Offset 0 Hz

Duty Cycle_11AC40_5670_Ant1



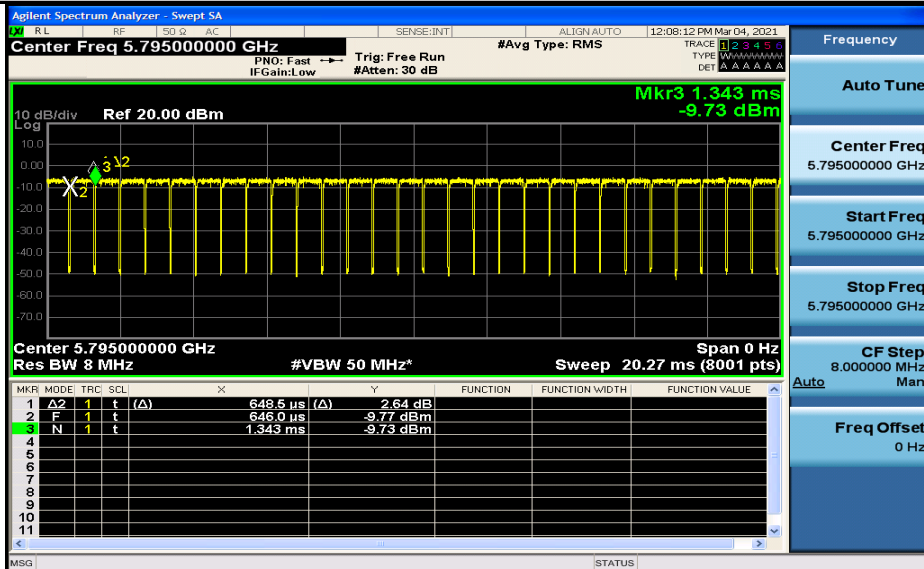
Frequency
Auto Tune
Center Freq 5.67000000 GHz
Start Freq 5.67000000 GHz
Stop Freq 5.67000000 GHz
CF Step 8.000000 MHz
Auto
Man
Freq Offset 0 Hz

Duty Cycle_11AC40_5755_Ant1



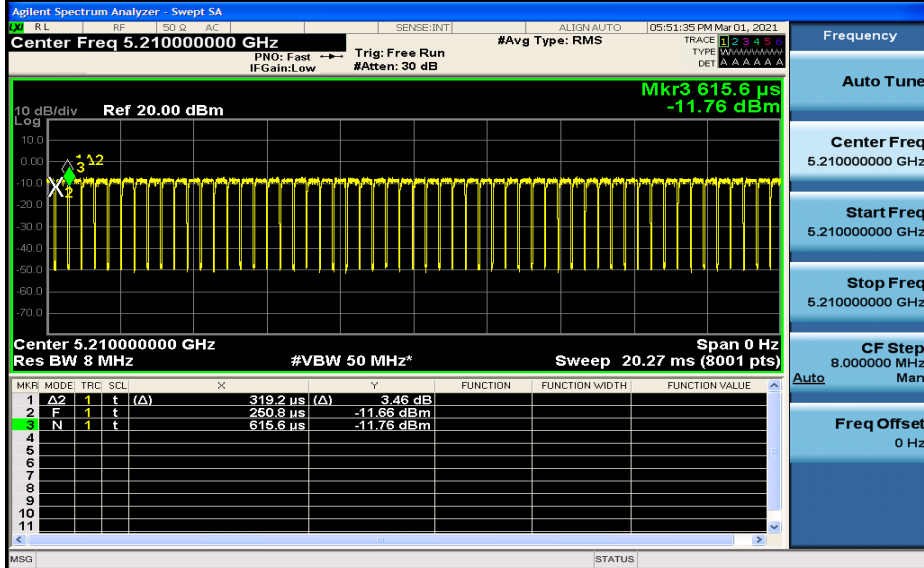
Frequency
Auto Tune
Center Freq 5.75500000 GHz
Start Freq 5.75500000 GHz
Stop Freq 5.75500000 GHz
CF Step 8.000000 MHz
Auto
Man
Freq Offset 0 Hz

Duty Cycle_11AC40_5795_Ant1

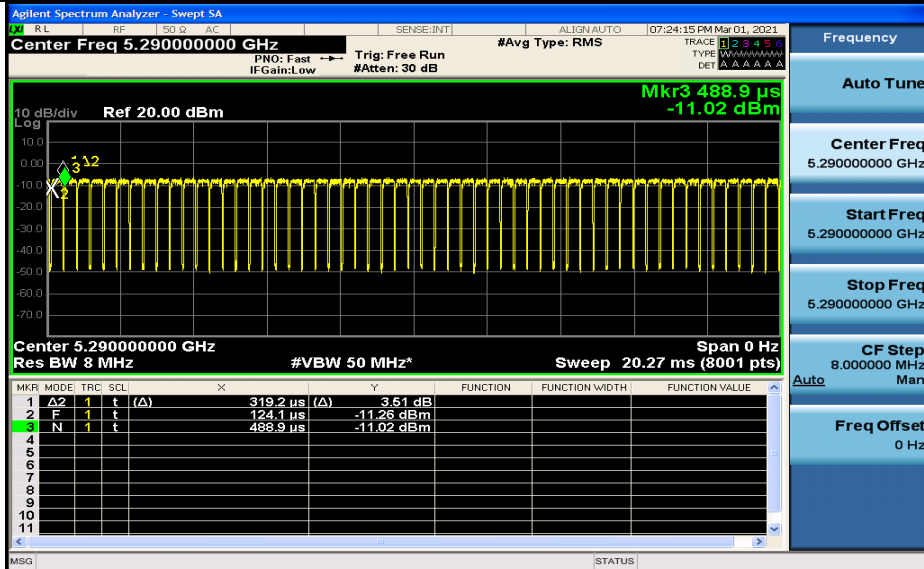


Frequency
Auto Tune
Center Freq 5.79500000 GHz
Start Freq 5.79500000 GHz
Stop Freq 5.79500000 GHz
CF Step 8.000000 MHz
Auto
Man
Freq Offset 0 Hz

Duty Cycle_11AC80_5210_Ant1



Duty Cycle_11AC80_5290_Ant1



Duty Cycle_11AC80_5530_Ant1

