

Test Mode:802.11ax HE20(52T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5500	0.02	Ant7	11dBm/MHz	-1.391
		Ant8		-1.613
		Ant7+Ant8		1.510
5580		Ant7		-1.254
		Ant8		-1.934
		Ant7+Ant8		1.430
5700		Ant7		-0.765
		Ant8		-1.074
		Ant7+Ant8		2.094
5720		Ant7		-0.345
		Ant8		0.137
		Ant7+Ant8		2.913
5720	30dBm/500kHz	Ant7	-3.278	
		Ant8	-2.831	
		Ant7+Ant8	-0.038	

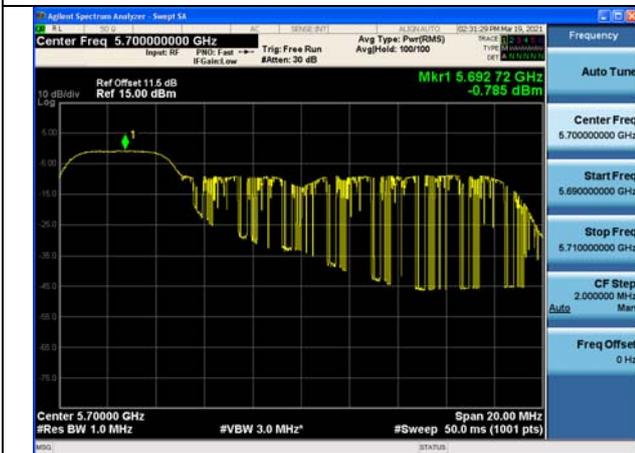
Test Mode:802.11ax HE20 Ant7



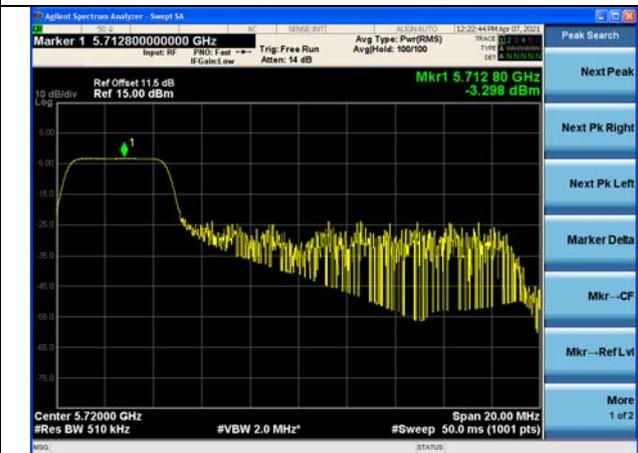
Test Mode:802.11ax HE20 Ant7



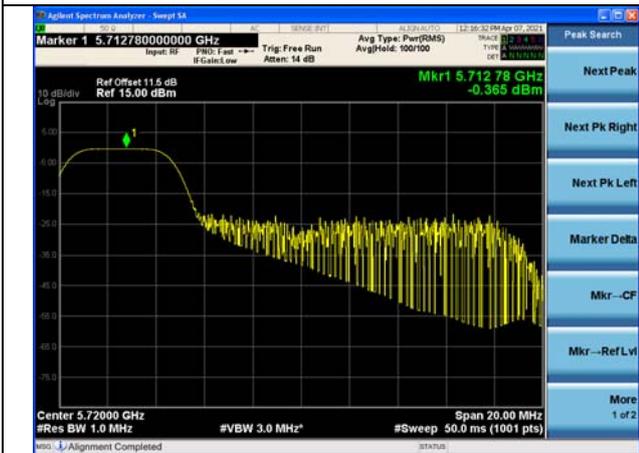
Test Mode:802.11ax HE20 Ant7



Test Mode:802.11ax HE20 Ant7



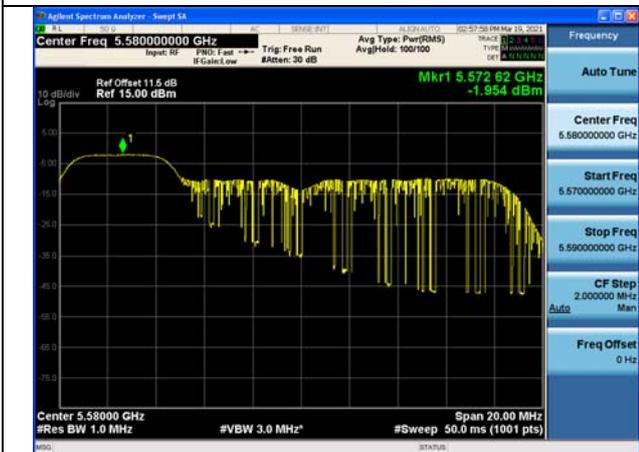
Test Mode:802. 11ax HE20 Ant7



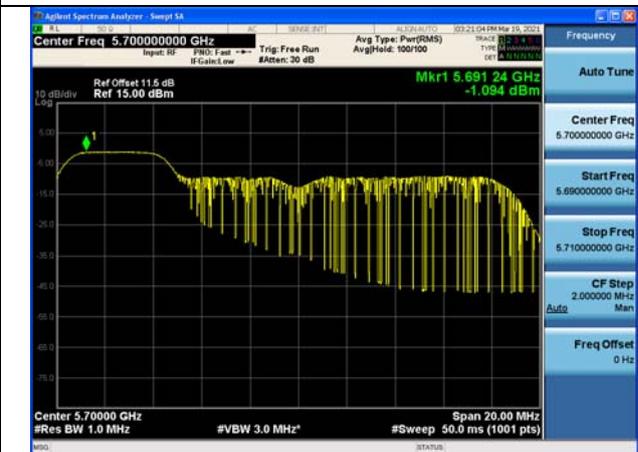
Test Mode:802. 11ax HE20 Ant8



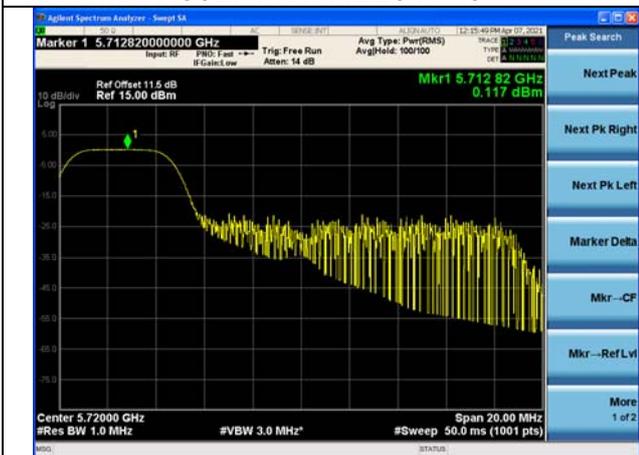
Test Mode:802. 11ax HE20 Ant8



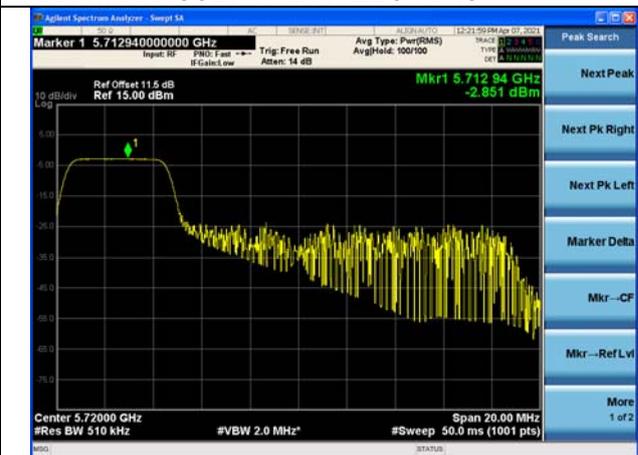
Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802.11ax HE20(106T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5500	0.02	Ant7	11dBm/MHz	-4.143
		Ant8		-4.488
		Ant7+Ant8		-1.302
5580		Ant7		-3.970
		Ant8		-4.797
		Ant7+Ant8		-1.354
5700		Ant7		-3.698
		Ant8		-3.912
		Ant7+Ant8		-0.793
5720		Ant7		-3.307
		Ant8		-2.871
		Ant7+Ant8		-0.073
5720	Ant7	30dBm/500kHz	-6.261	
	Ant8	-5.767		
	Ant7+Ant8	-2.997		

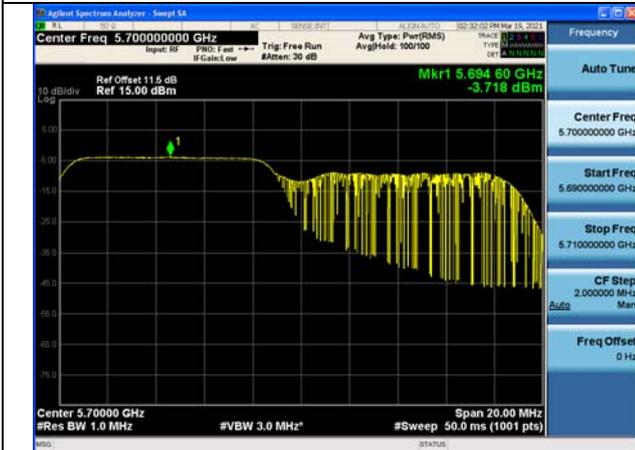
Test Mode:802.11ax HE20 Ant7



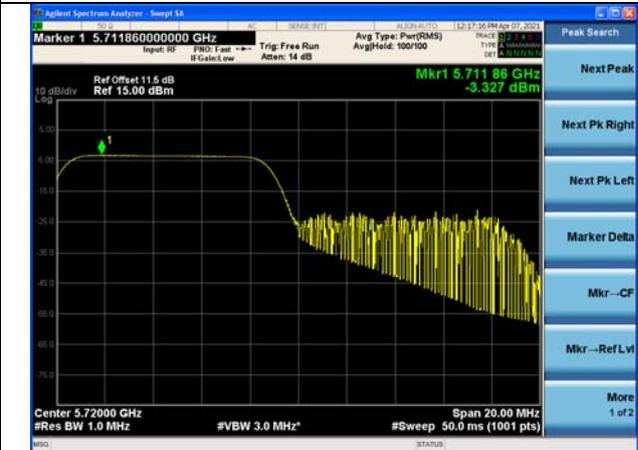
Test Mode:802.11ax HE20 Ant7



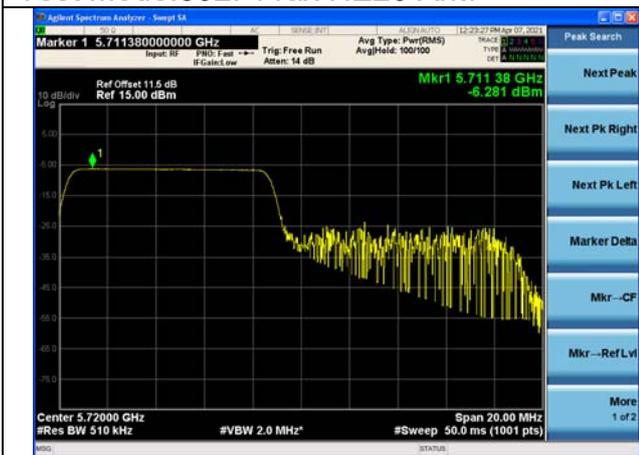
Test Mode:802.11ax HE20 Ant7



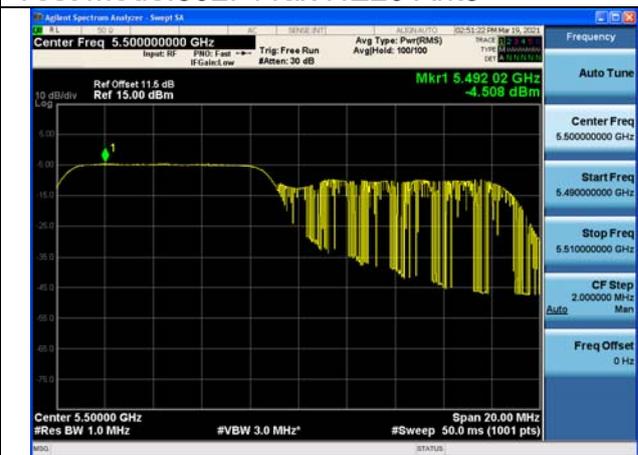
Test Mode:802.11ax HE20 Ant7



Test Mode:802. 11ax HE20 Ant7



Test Mode:802. 11ax HE20 Ant8



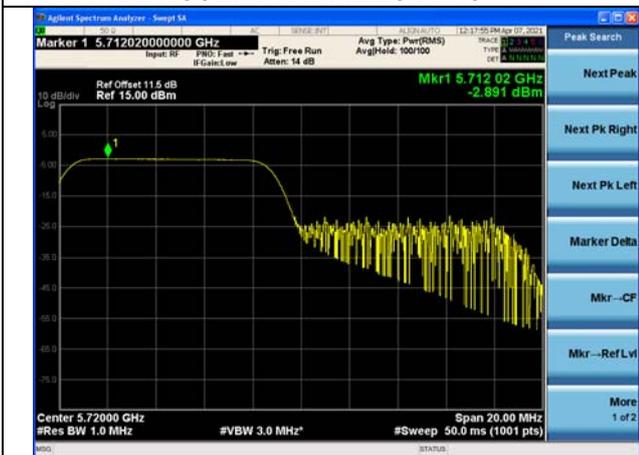
Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



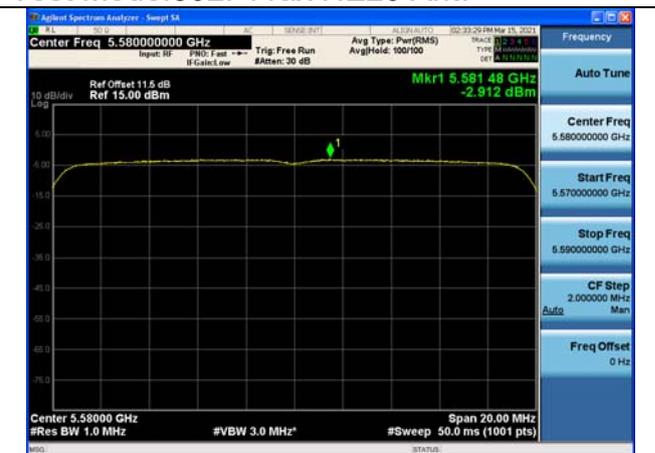
Test Mode:802.11ax HE20(242T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5500	0.02	Ant7	11dBm/MHz	-2.975
		Ant8		-2.433
		Ant7+Ant8		0.315
5580		Ant7		-2.892
		Ant8		-2.307
		Ant7+Ant8		0.421
5700		Ant7		-2.538
		Ant8		-1.374
		Ant7+Ant8		1.093
5720		Ant7		-2.904
		Ant8		-2.458
		Ant7+Ant8		0.335
5720	Ant7	30dBm/500kHz	-5.749	
	Ant8	-5.339		
	Ant7+Ant8	-2.529		

Test Mode:802.11ax HE20 Ant7



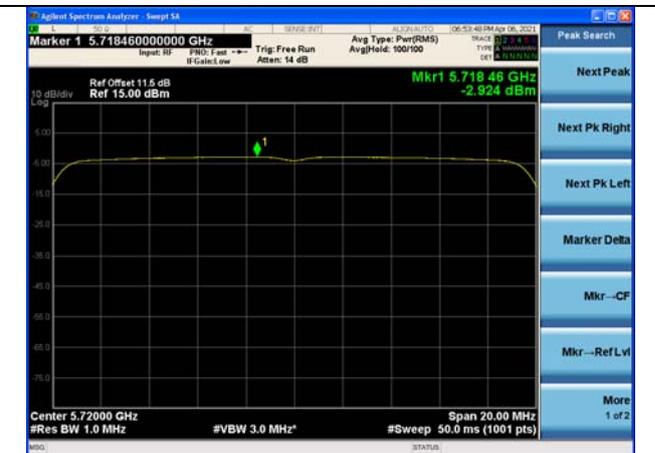
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Test Mode:802.11ax HE20 Ant7



Test Mode:802.11ax HE20 Ant7



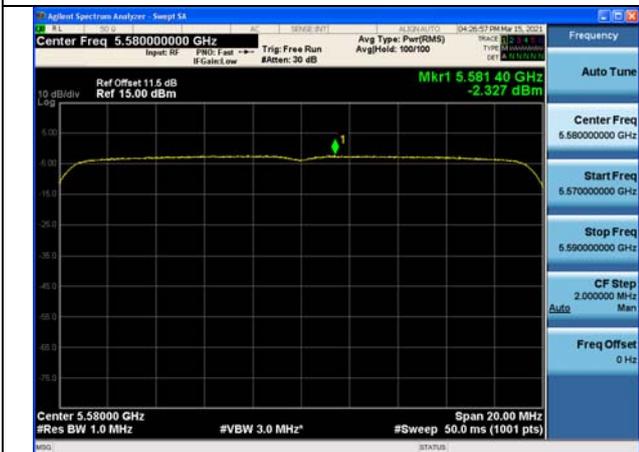
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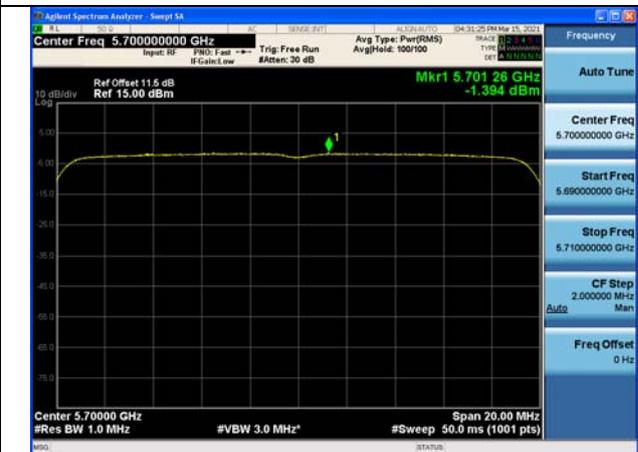
Test Mode:802. 11ax HE20 Ant8



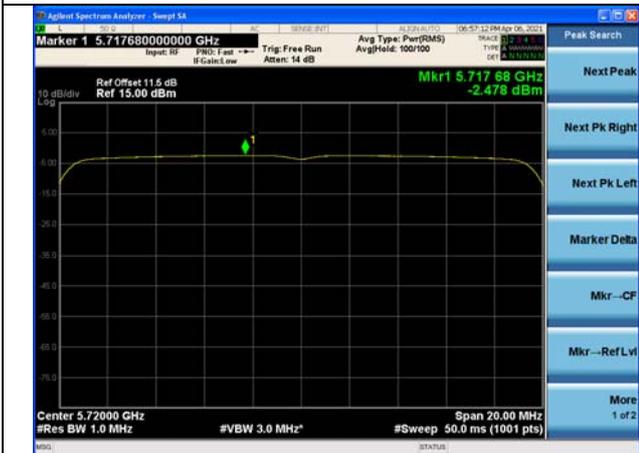
Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



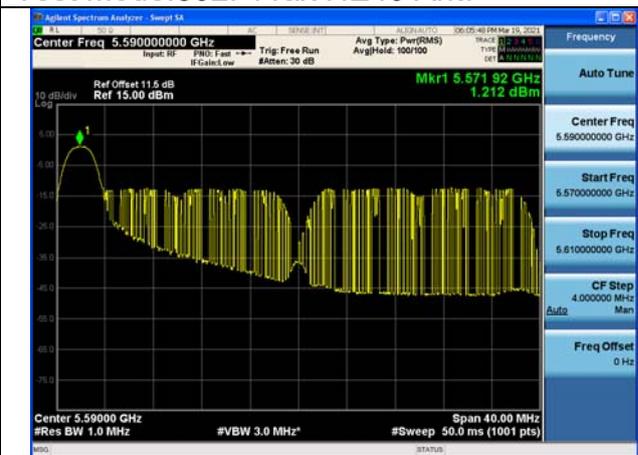
Test Mode:802.11ax HE40(26T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5510	0.02	Ant7	11dBm/MHz	1.306
		Ant8		1.097
		Ant7+Ant8		4.213
5590		Ant7		1.232
		Ant8		1.468
		Ant7+Ant8		4.362
5670		Ant7		1.908
		Ant8		2.189
		Ant7+Ant8		5.061
5710		Ant7	2.281	
		Ant8	3.346	
		Ant7+Ant8	5.856	
5710	Ant7	30dBm/500kHz	-0.475	
	Ant8		0.388	
	Ant7+Ant8		2.988	

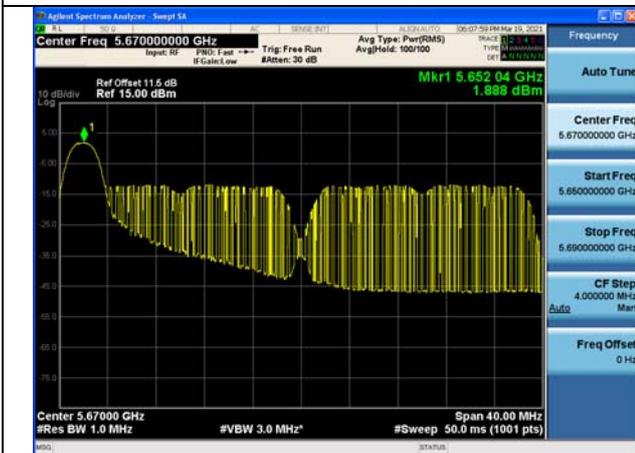
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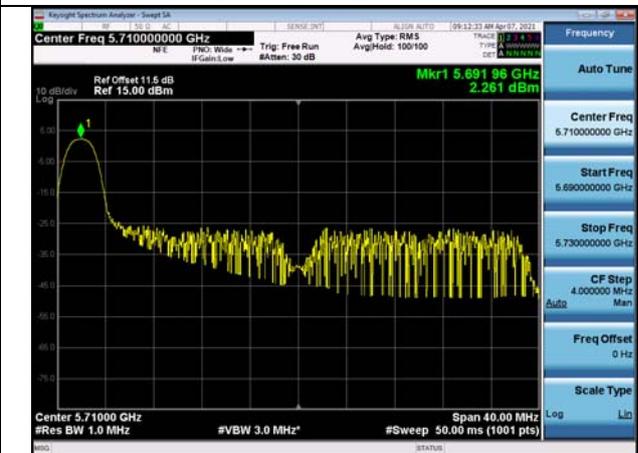
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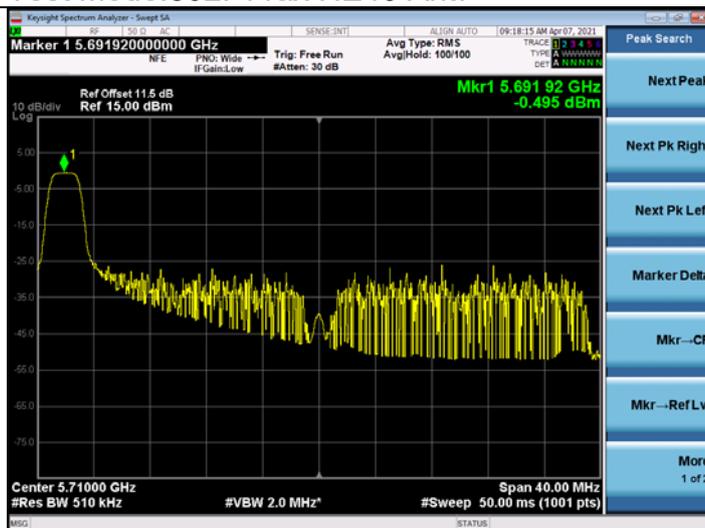
Test Mode:802.11ax HE40 Ant7



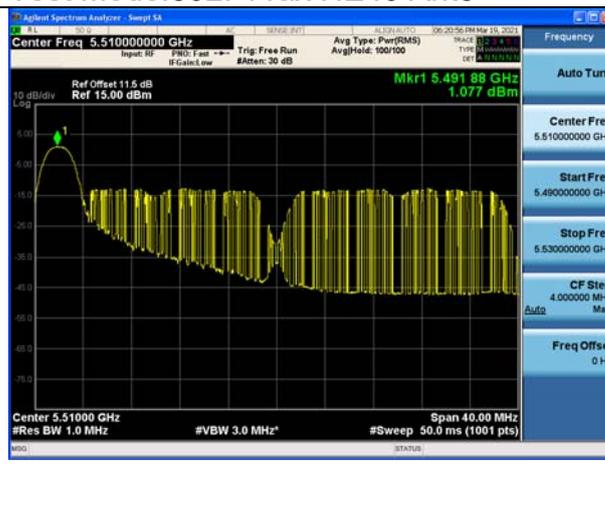
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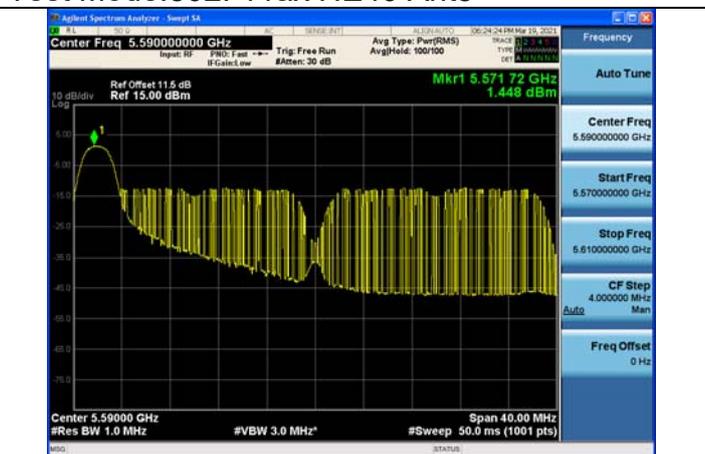
Test Mode:802. 11ax HE40 Ant7



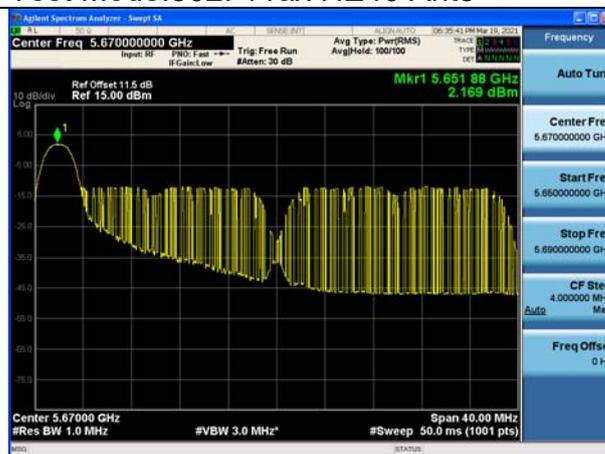
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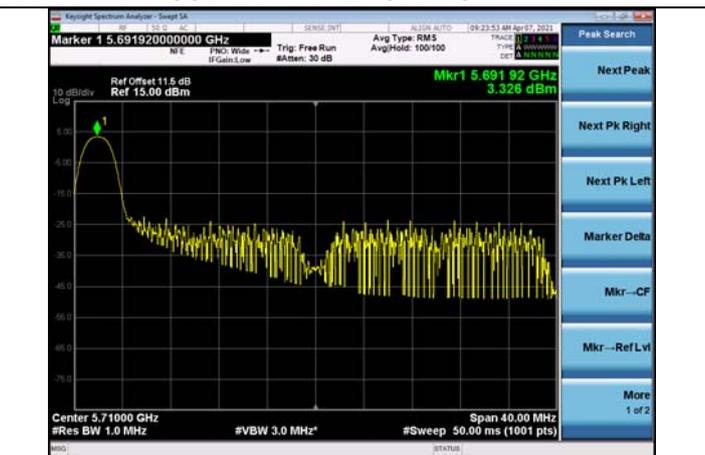
Test Mode:802. 11ax HE40 Ant8



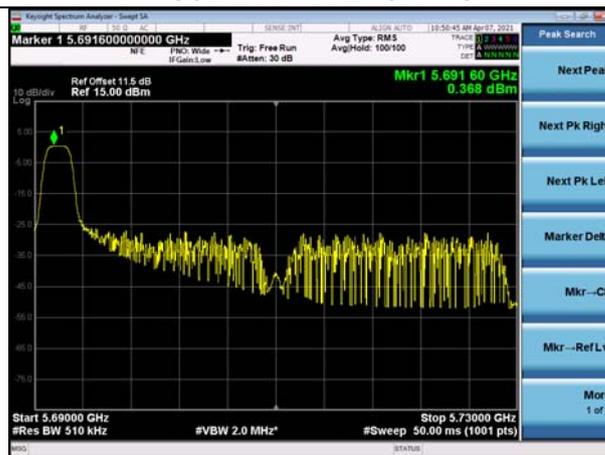
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Test Mode:802. 11ax HE40 Ant8



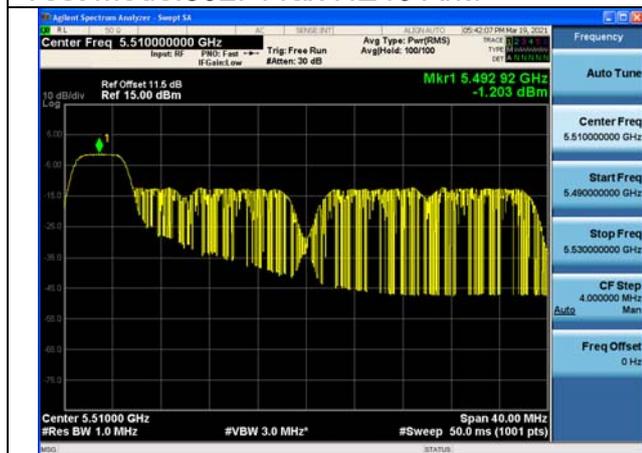
Test Mode:802. 11ax HE40 Ant8



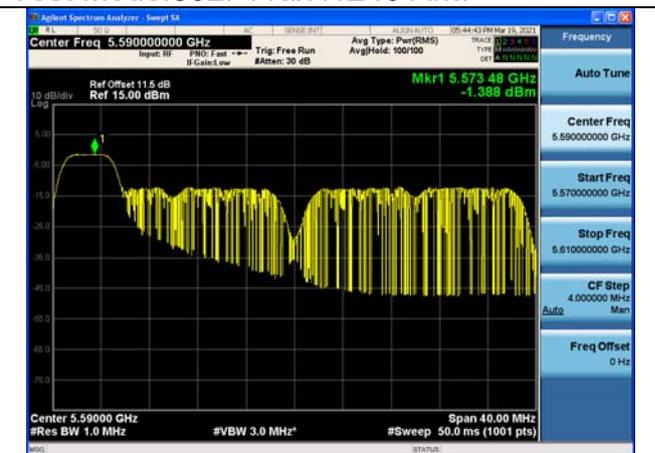
Test Mode:802.11ax HE40(52T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5510	0.02	Ant7	11dBm/MHz	-1.183
		Ant8		-1.671
		Ant7+Ant8		1.590
5590		Ant7		-1.368
		Ant8		-1.177
		Ant7+Ant8		1.739
5670		Ant7		-0.850
		Ant8		-0.766
		Ant7+Ant8		2.203
5710		Ant7		-0.484
		Ant8		0.523
		Ant7+Ant8		3.059
5710	30dBm/500kHz	Ant7	-2.493	
		Ant8	-3.337	
		Ant7+Ant8	0.116	

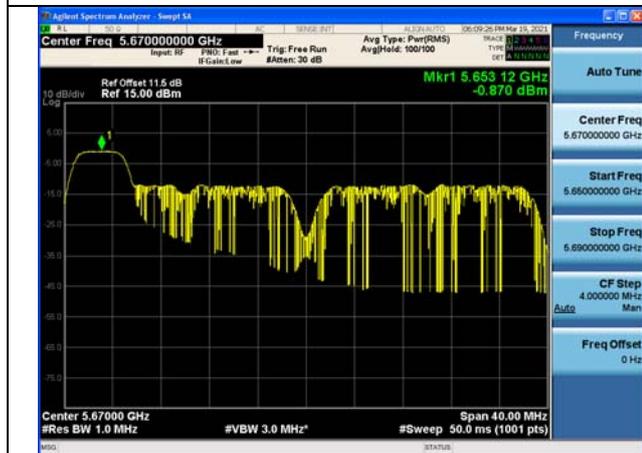
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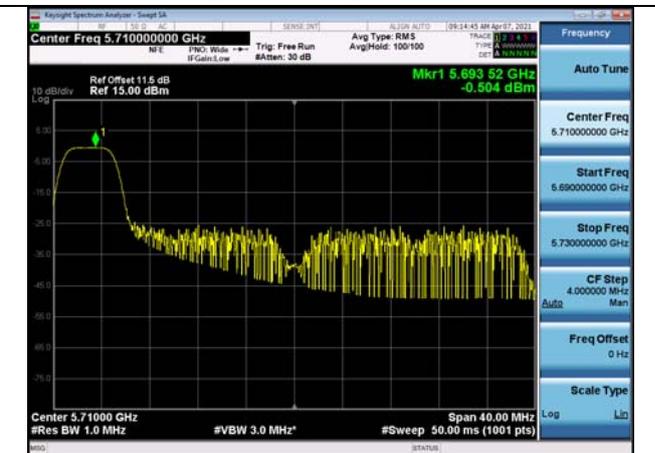
Test Mode:802.11ax HE40 Ant7



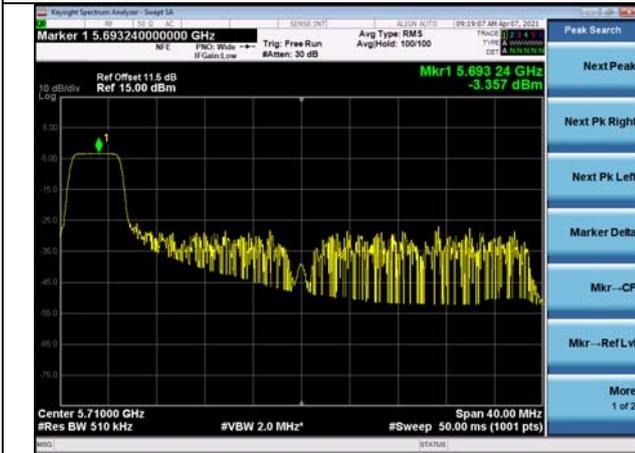
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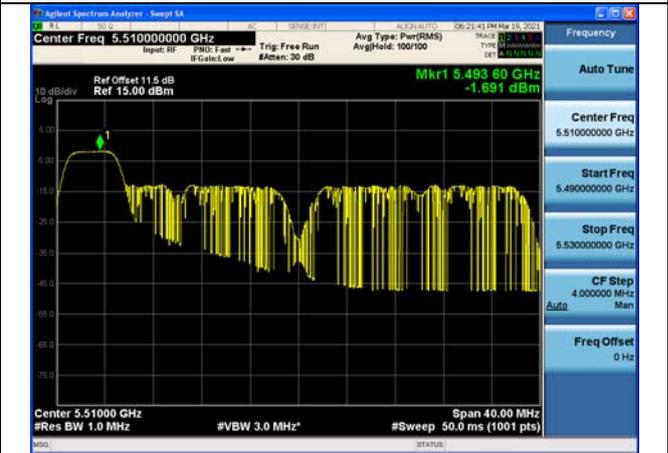
Test Mode:802.11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant8



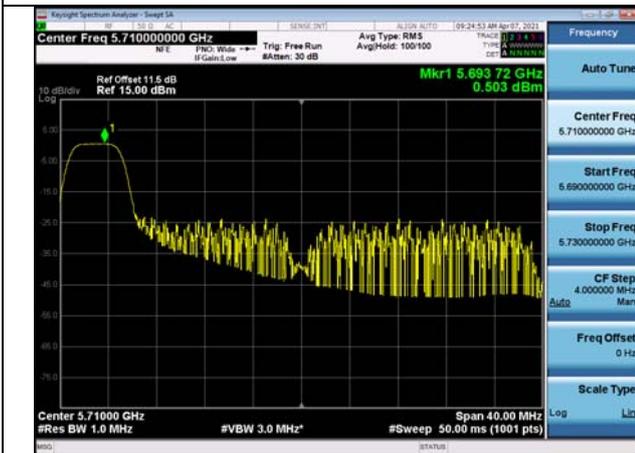
Test Mode:802. 11ax HE40 Ant8



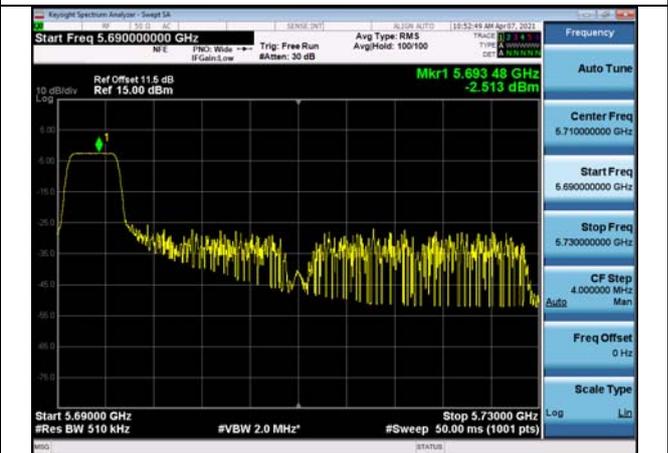
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802.11ax HE40(106T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5510	0.02	Ant7	11dBm/MHz	-4.025
		Ant8		-4.570
		Ant7+Ant8		-1.279
5590		Ant7		-4.193
		Ant8		-4.467
		Ant7+Ant8		-1.318
5670		Ant7		-3.561
		Ant8		-3.774
		Ant7+Ant8		-0.656
5710		Ant7		-3.541
		Ant8		-2.746
		Ant7+Ant8		-0.115
5710	30dBm/500kHz	Ant7	-6.452	
		Ant8	-5.496	
		Ant7+Ant8	-2.937	

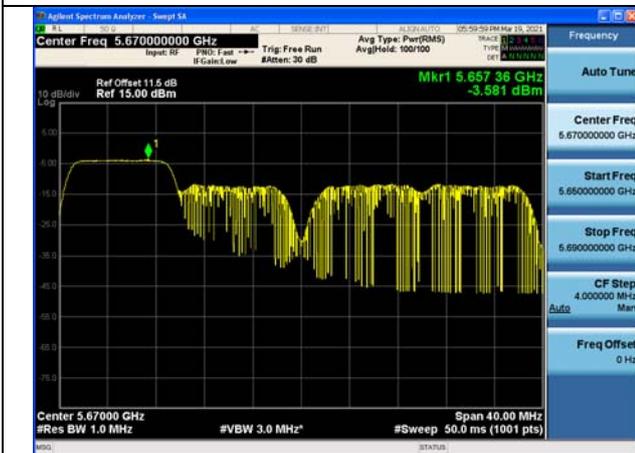
Test Mode:802.11ax HE40 Ant7



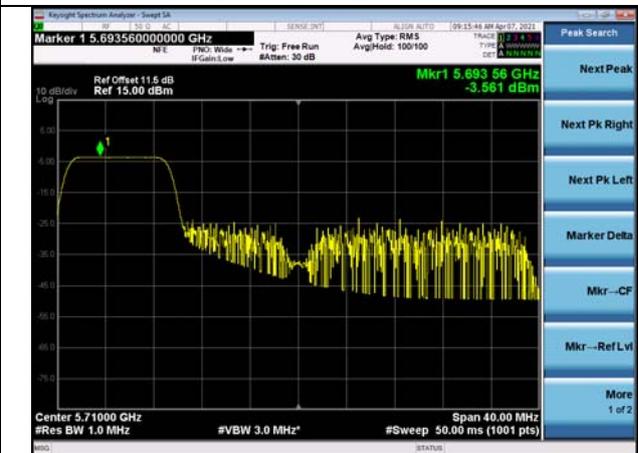
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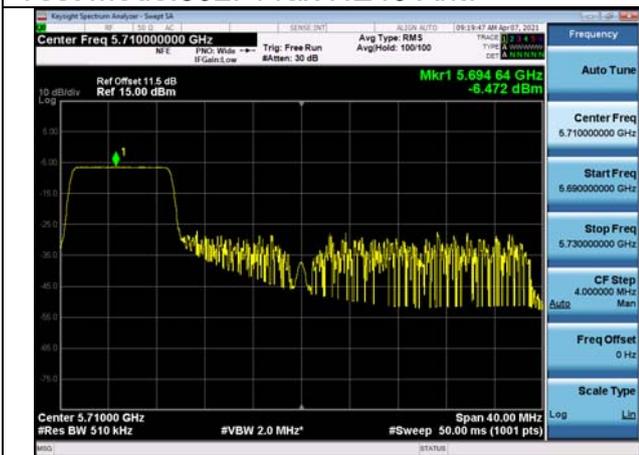
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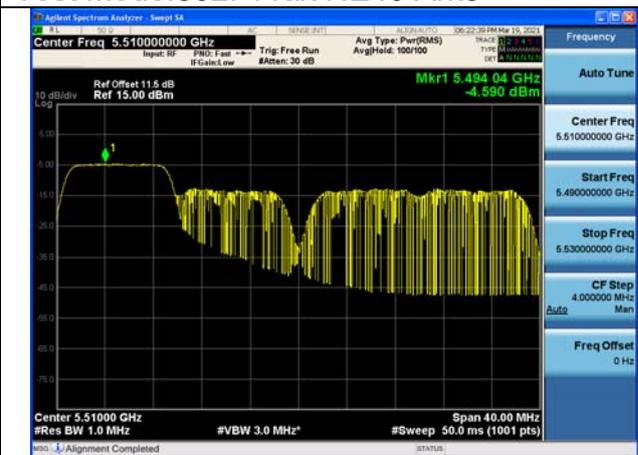
Test Mode:802.11ax HE40 Ant7



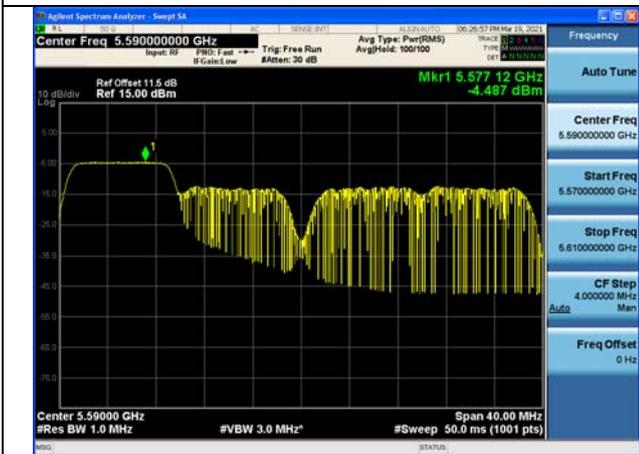
Test Mode:802. 11ax HE40 Ant7



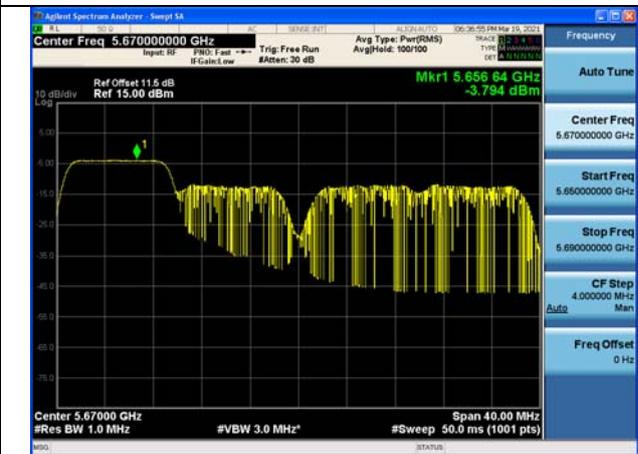
Test Mode:802. 11ax HE40 Ant8



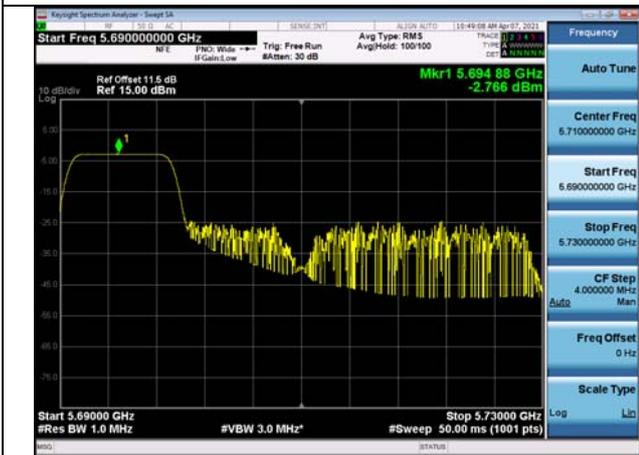
Test Mode:802. 11ax HE40 Ant8



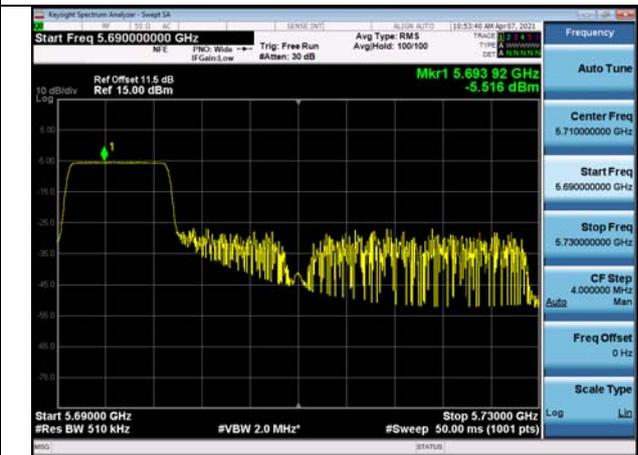
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802.11ax HE40(242T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5510	0.02	Ant7	11dBm/MHz	-7.774
		Ant8		-8.238
		Ant7+Ant8		-4.990
5590		Ant7		-7.843
		Ant8		-8.093
		Ant7+Ant8		-4.956
5670		Ant7		-7.334
		Ant8		-7.326
		Ant7+Ant8		-4.320
5710		Ant7		-7.188
		Ant8		-6.234
		Ant7+Ant8		-3.675
5710	30dBm/500kHz	Ant7	-10.144	
		Ant8	-9.111	
		Ant7+Ant8	-6.587	

Test Mode:802.11ax HE40 Ant7



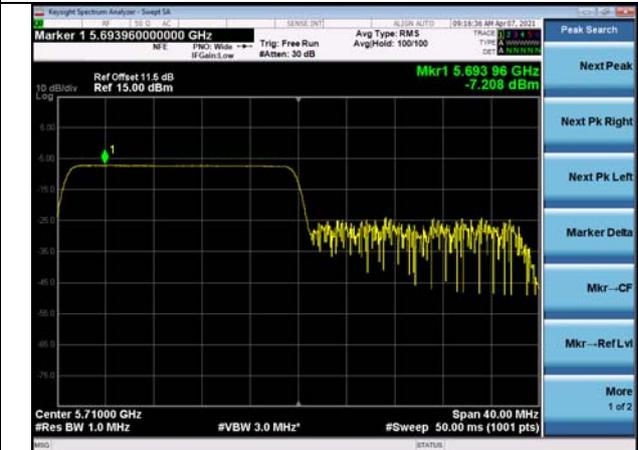
Test Mode:802.11ax HE40 Ant7



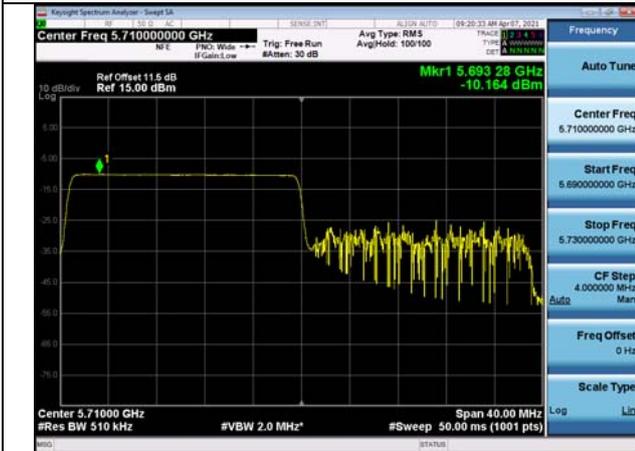
Test Mode:802.11ax HE40 Ant7



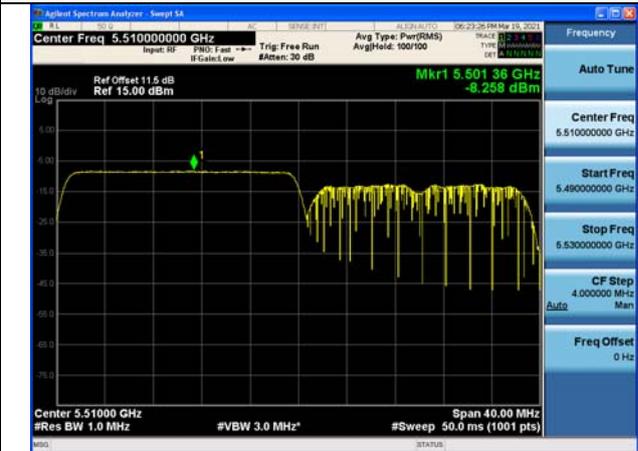
Test Mode:802.11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant7



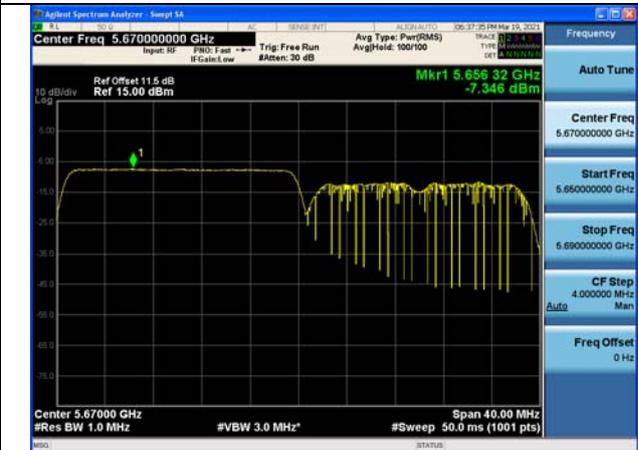
Test Mode:802. 11ax HE40 Ant8



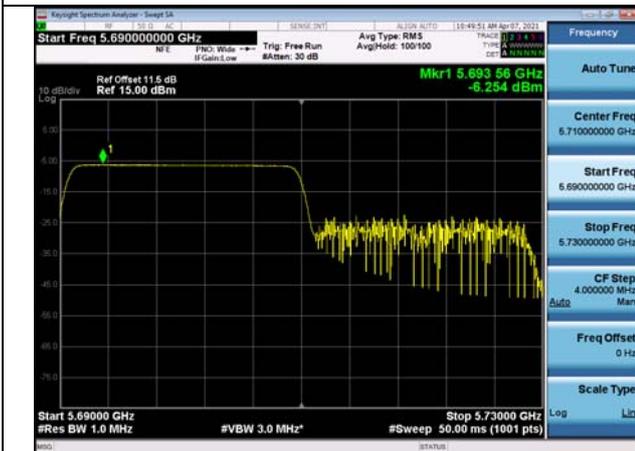
Test Mode:802. 11ax HE40 Ant8



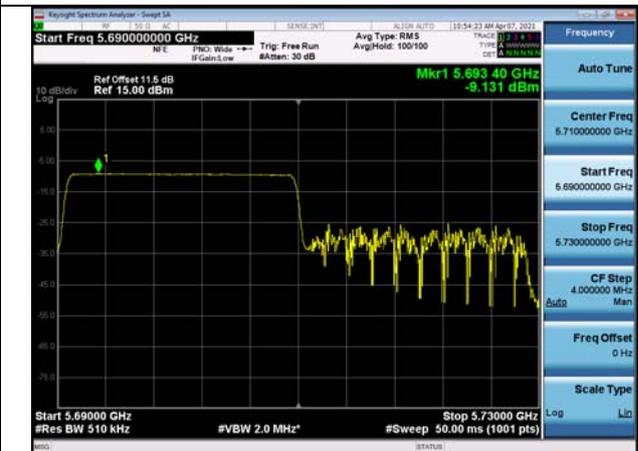
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



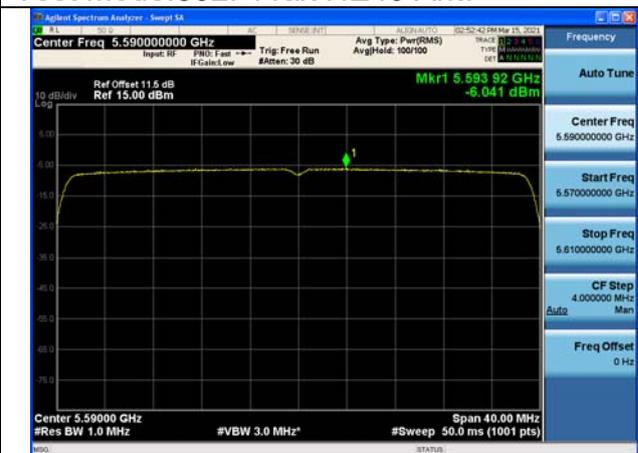
Test Mode:802.11ax HE40(484T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5510	0.02	Ant7	11dBm/MHz	-6.187
		Ant8		-5.491
		Ant7+Ant8		-2.815
Ant7		-6.021		
5590		Ant8		-5.471
		Ant7+Ant8		-2.727
		Ant7		-5.592
5670		Ant8		-4.949
		Ant7+Ant8		-2.248
		Ant7	-5.880	
5710		Ant8	-5.418	
		Ant7+Ant8	-2.633	
	Ant7	-8.748		
5710	Ant8	30dBm/500kHz	-8.349	
	Ant7+Ant8	-5.534		

Test Mode:802.11ax HE40 Ant7



Test Mode:802.11ax HE40 Ant7



Test Mode:802.11ax HE40 Ant7



Test Mode:802.11ax HE40 Ant7



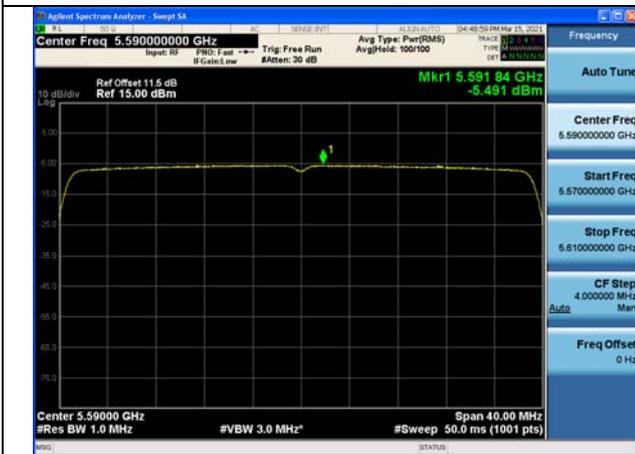
Test Mode:802. 11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



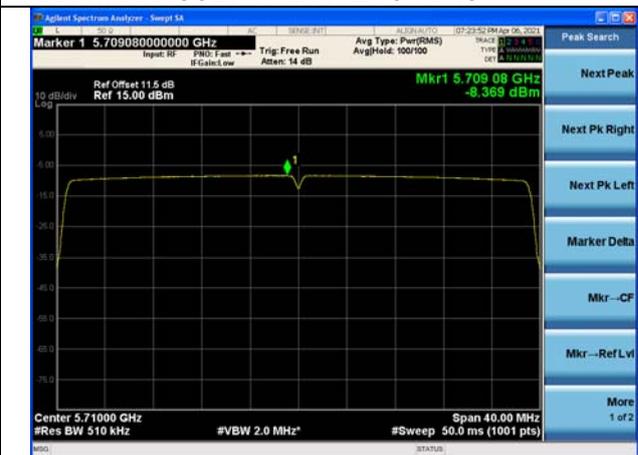
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Test Mode:802. 11ax HE40 Ant8



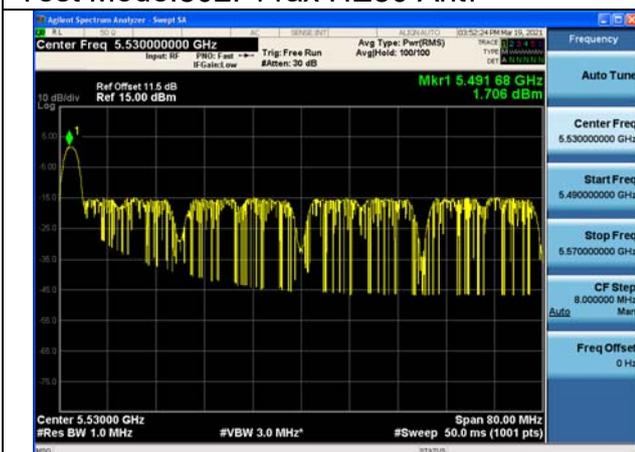
Test Mode:802. 11ax HE40 Ant8



Test Mode:802.11ax HE80(26T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	1.726
		Ant8		1.224
		Ant7+Ant8		4.493
Ant7		1.560		
Ant8		1.452		
Ant7+Ant8		4.517		
5610		Ant7	2.534	
			Ant8	3.243
			Ant7+Ant8	5.913
5690	Ant7	-0.205		
		Ant8	0.368	
		Ant7+Ant8	3.101	

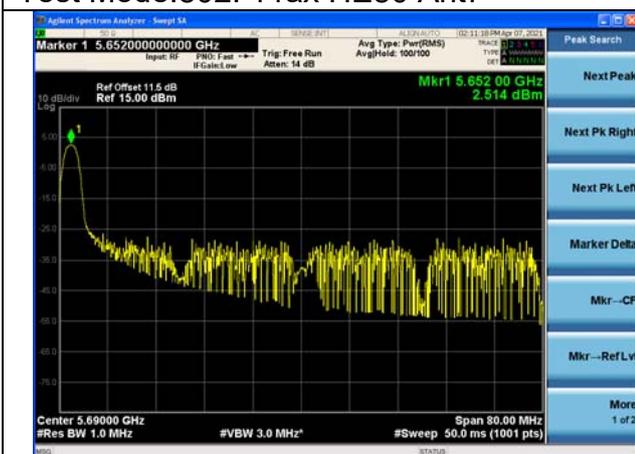
Test Mode:802.11ax HE80 Ant7



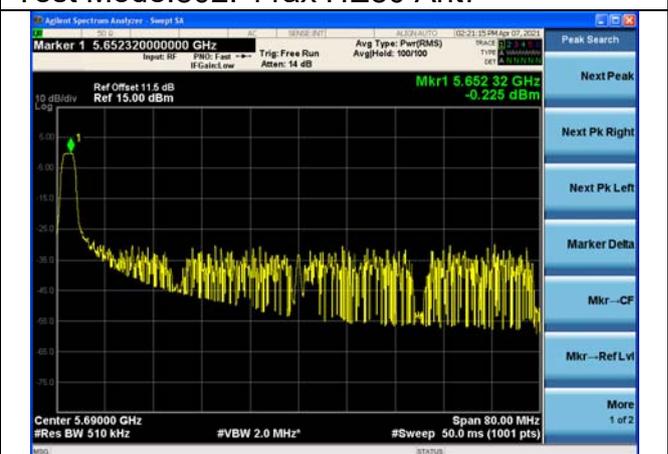
Test Mode:802.11ax HE80 Ant7



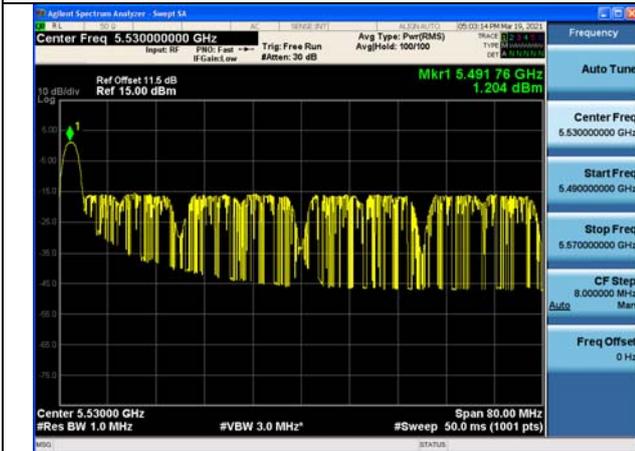
Test Mode:802.11ax HE80 Ant7



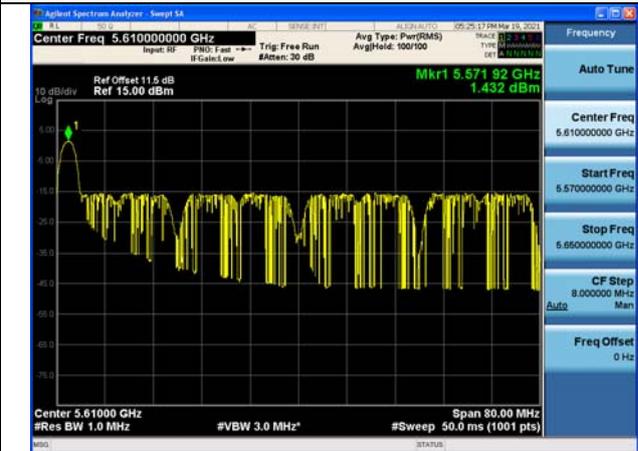
Test Mode:802.11ax HE80 Ant7



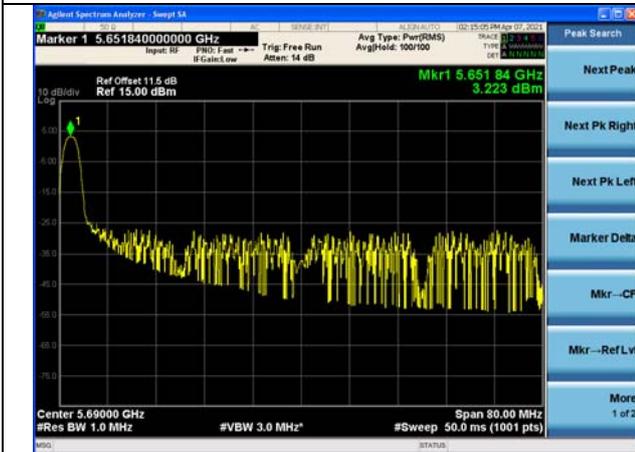
Test Mode:802. 11ax HE80 Ant8



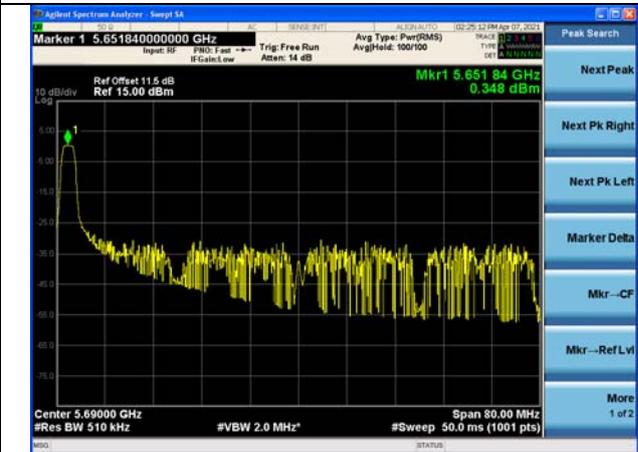
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



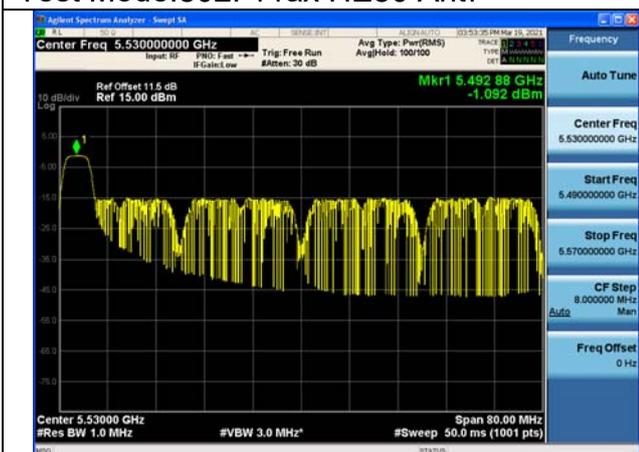
Test Mode:802. 11ax HE80 Ant8



Test Mode:802.11ax HE80(52T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)	
5530	0.02	Ant7	11dBm/MHz	-1.072	
		Ant8		-1.652	
		Ant7+Ant8		1.658	
Ant7		-1.400			
Ant8		-1.301			
Ant7+Ant8		1.660			
5610		-0.262	Ant7	30dBm/500kHz	0.343
			Ant8		-3.154
			Ant7+Ant8		-2.539
5690	0.175	Ant7	30dBm/500kHz	-3.154	
		Ant8		-2.539	
		Ant7+Ant8		0.175	

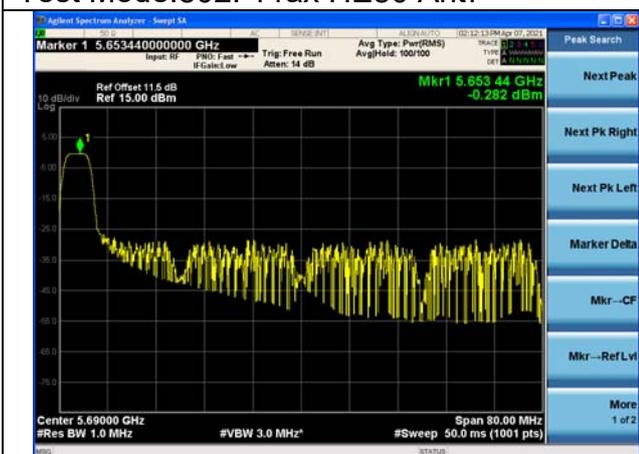
Test Mode:802.11ax HE80 Ant7



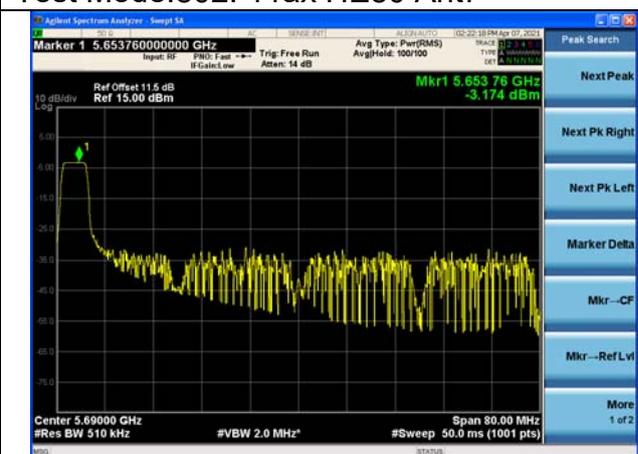
Test Mode:802.11ax HE80 Ant7



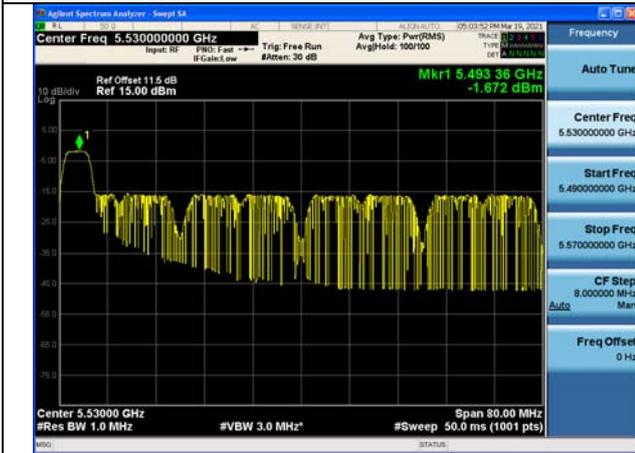
Test Mode:802.11ax HE80 Ant7



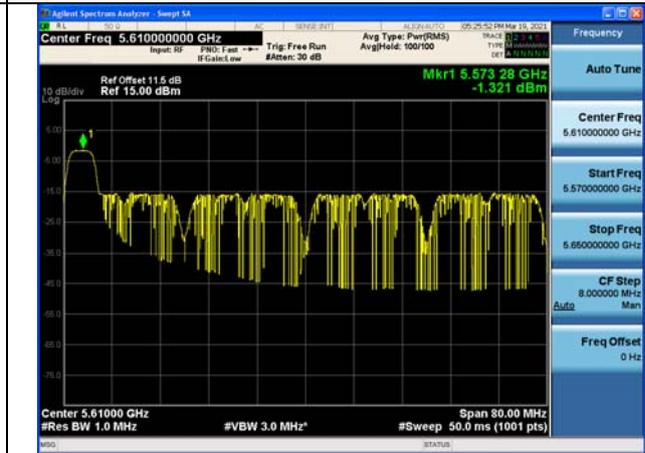
Test Mode:802.11ax HE80 Ant7



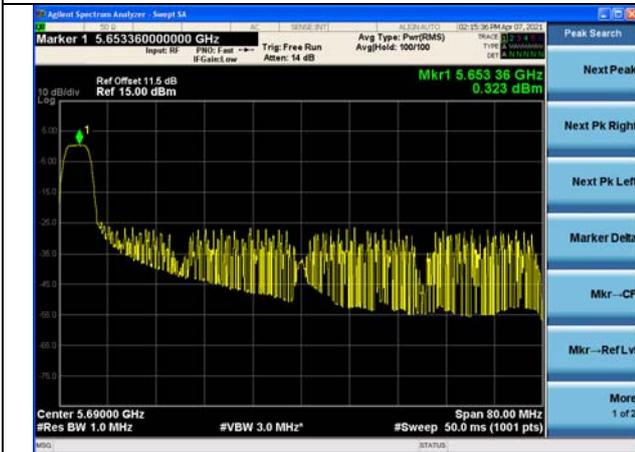
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



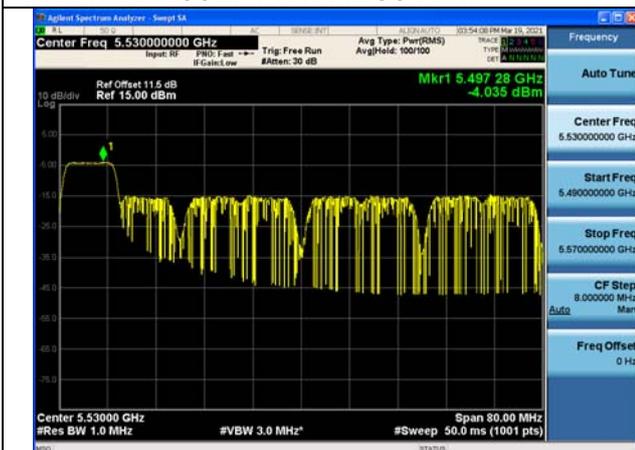
Test Mode:802. 11ax HE80 Ant8



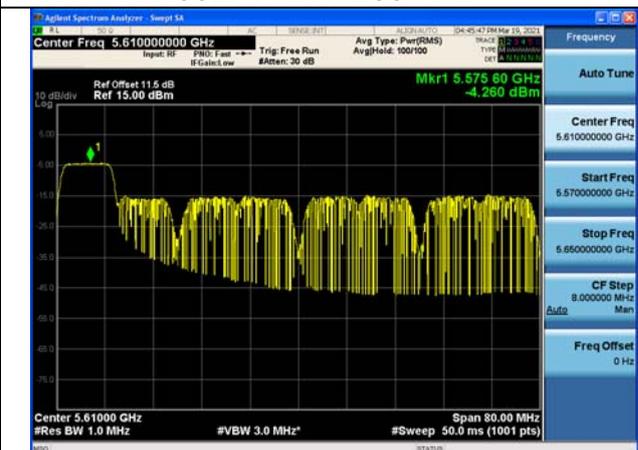
Test Mode:802.11ax HE80(106T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	-4.015
		Ant8		-4.315
		Ant7+Ant8		-1.152
Ant7		-4.240		
Ant8		-4.519		
Ant7+Ant8		-1.367		
5610		Ant7	-3.372	
			Ant8	-2.764
			Ant7+Ant8	-0.047
5690		Ant7	-6.276	
			Ant8	-5.739
			Ant7+Ant8	-2.989

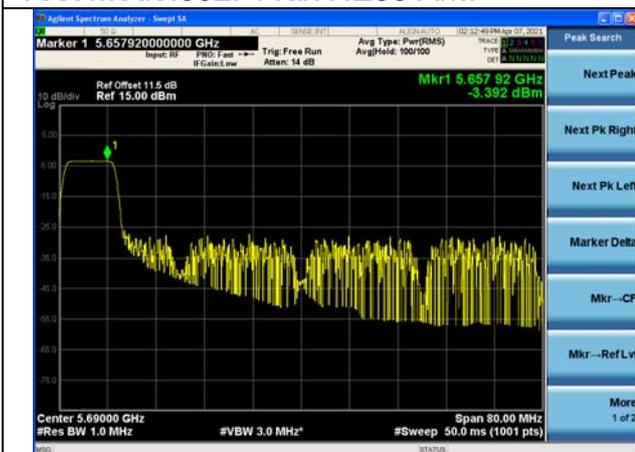
Test Mode:802.11ax HE80 Ant7



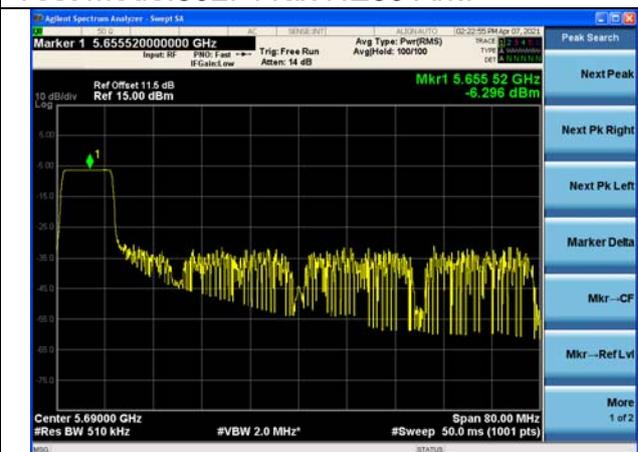
Test Mode:802.11ax HE80 Ant7



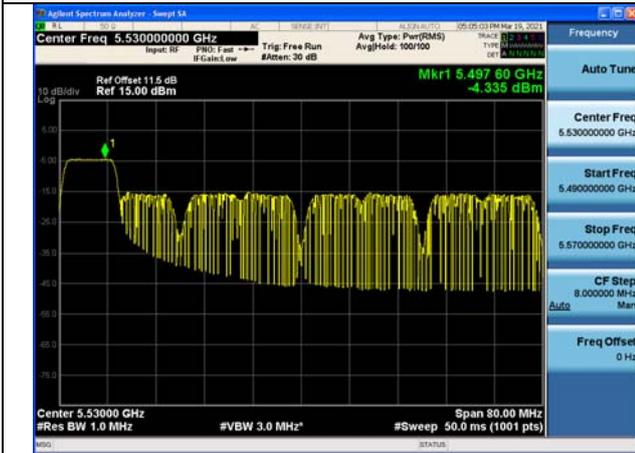
Test Mode:802.11ax HE80 Ant7



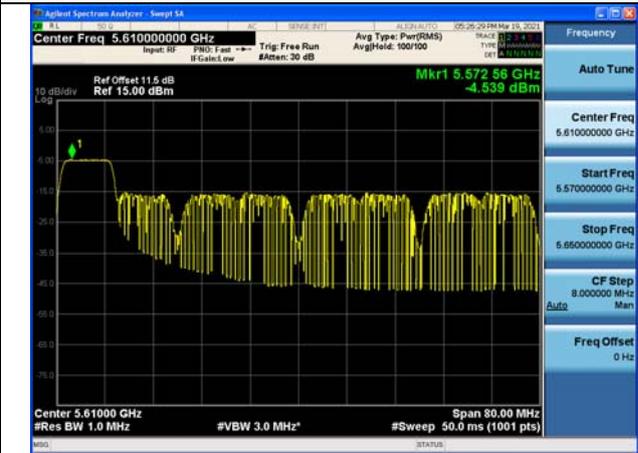
Test Mode:802.11ax HE80 Ant7



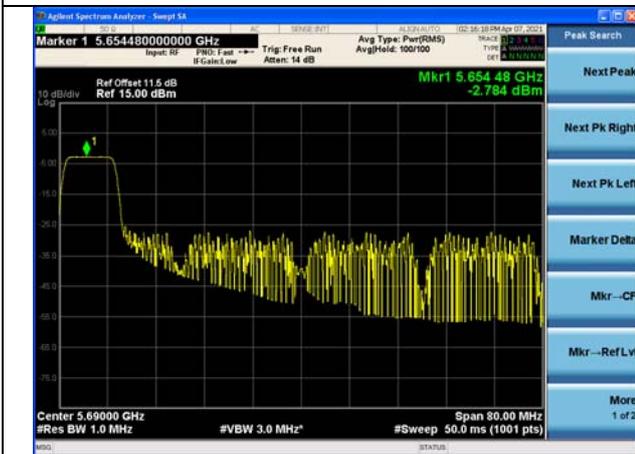
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



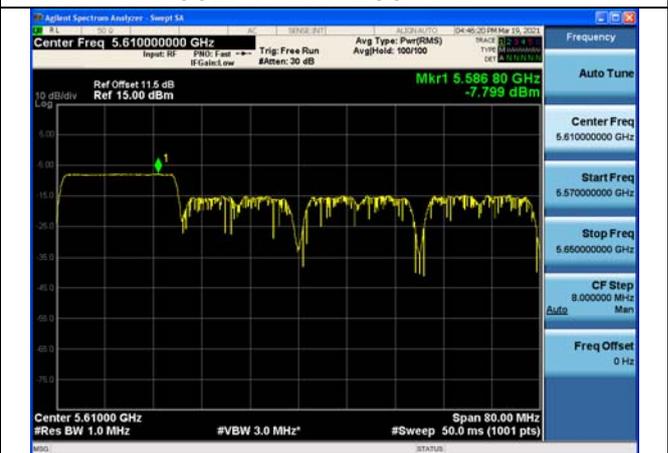
Test Mode:802.11ax HE80(242T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	-7.433
		Ant8		-7.905
		Ant7+Ant8		-4.652
Ant7		-7.779		
Ant8		-8.007		
Ant7+Ant8		-4.881		
5610		Ant7	Ant7	-6.956
			Ant8	-6.330
			Ant7+Ant8	-3.621
5690	Ant7	Ant7	-9.863	
		Ant8	-9.279	
		Ant7+Ant8	-6.551	

Test Mode:802.11ax HE80 Ant7



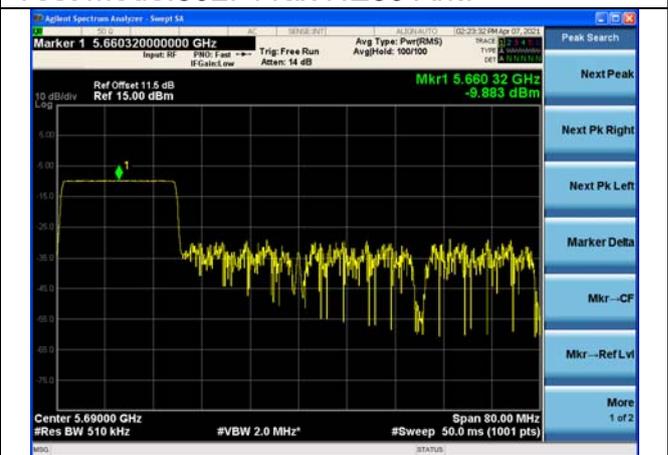
Test Mode:802.11ax HE80 Ant7



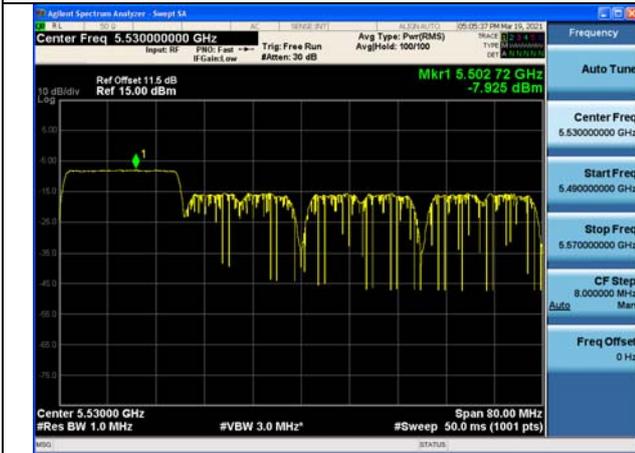
Test Mode:802.11ax HE80 Ant7



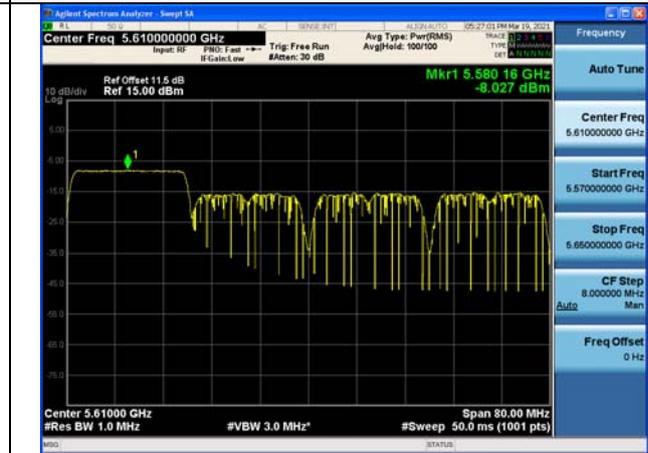
Test Mode:802.11ax HE80 Ant7



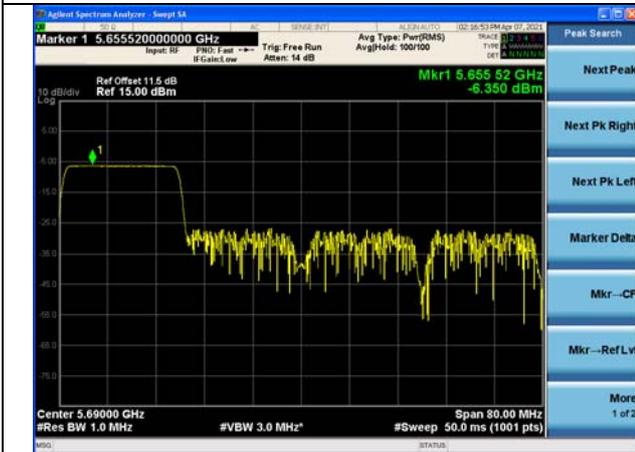
Test Mode:802. 11ax HE80 Ant8



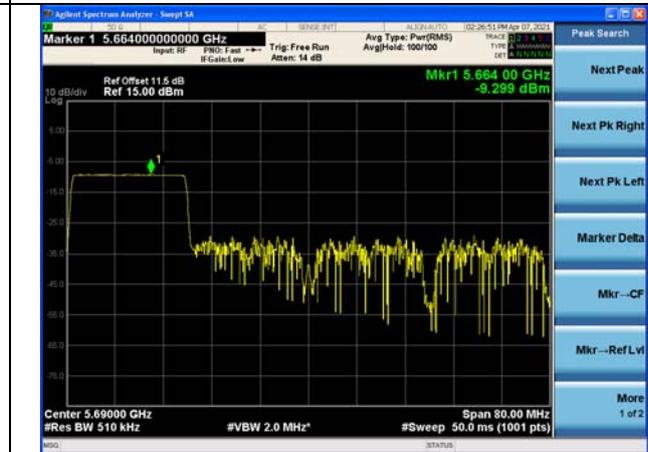
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802.11ax HE80(484T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	-10.242
		Ant8		-10.987
		Ant7+Ant8		-7.588
Ant7		-10.695		
Ant8		-11.020		
Ant7+Ant8		-7.844		
5610		Ant7	-9.987	
			Ant8	-9.356
			Ant7+Ant8	-6.650
5690		Ant7	-12.795	
			Ant8	-12.279
			Ant7+Ant8	-9.519

Test Mode:802.11ax HE80 Ant7



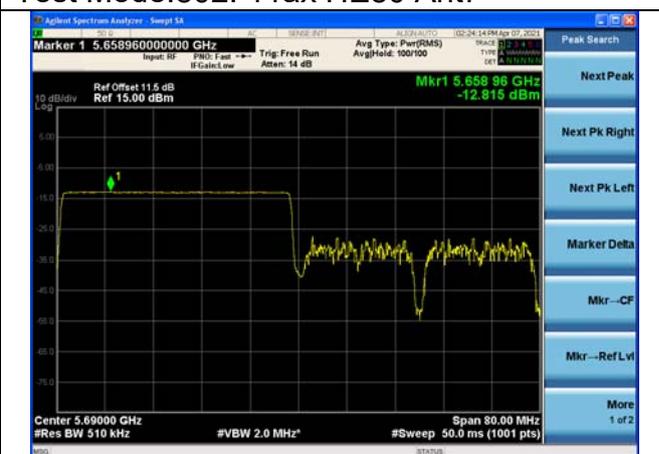
Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant7



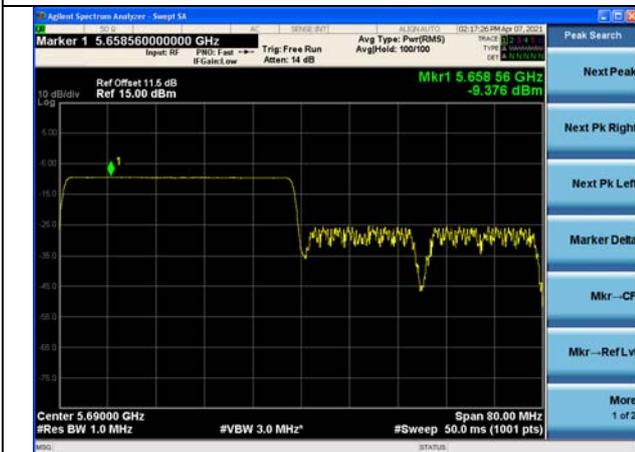
Test Mode:802. 11ax HE80 Ant8



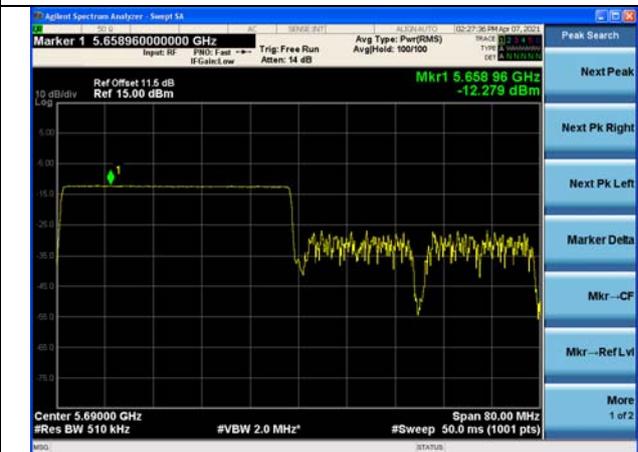
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802.11ax HE80(996T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	-8.812
		Ant8		-8.402
		Ant7+Ant8		-5.592
Ant7		-8.578		
5610		Ant8		-8.316
		Ant7+Ant8		-5.435
		Ant7	-8.744	
5690		Ant8	-8.328	
		Ant7+Ant8	-5.521	
	Ant7	-11.668		
5690	Ant8	30dBm/500kHz	-11.219	
	Ant7+Ant8	-8.427		

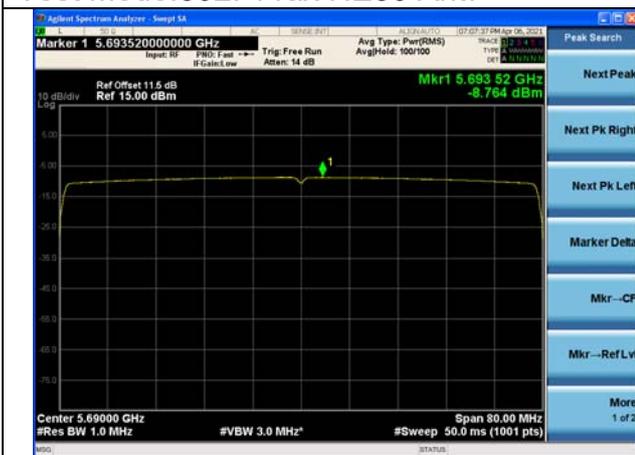
Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant7



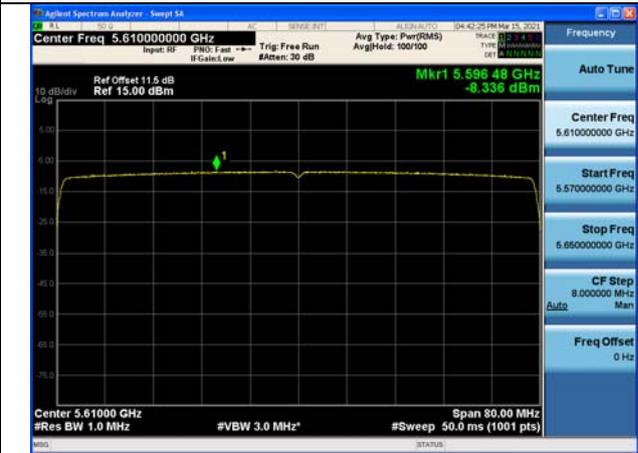
Test Mode:802.11ax HE80 Ant7



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



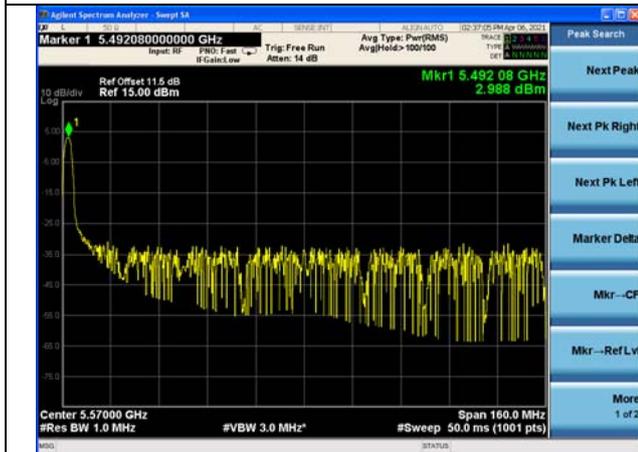
Test Mode:802. 11ax HE80 Ant8



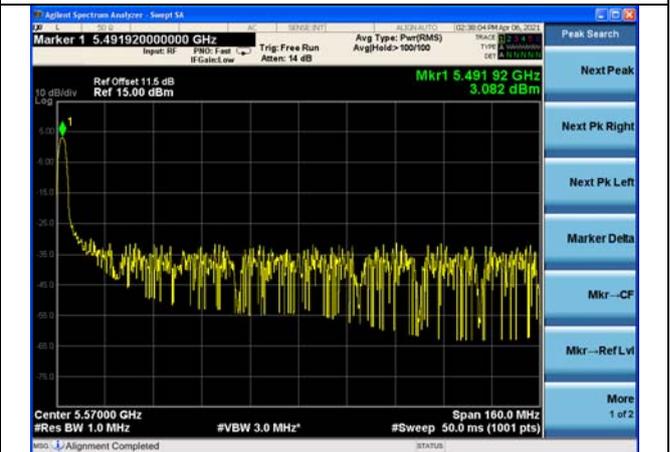
Test Mode:802.11ax HE160(26T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	3.008
		Ant8	3.102
		Ant7+Ant8	6.066

Test Mode:802.11ax HE160 Ant7



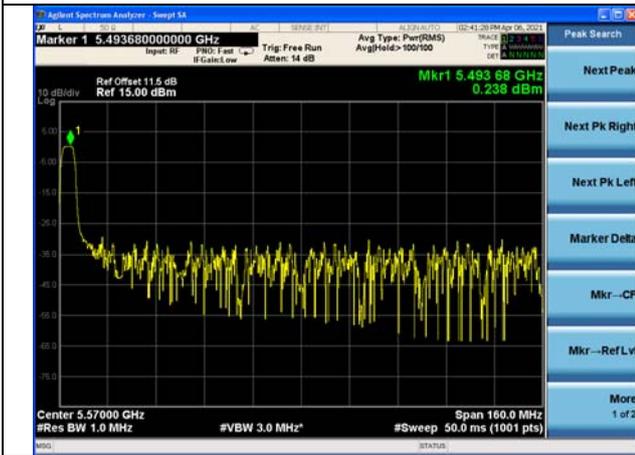
Test Mode:802.11ax HE160 Ant8



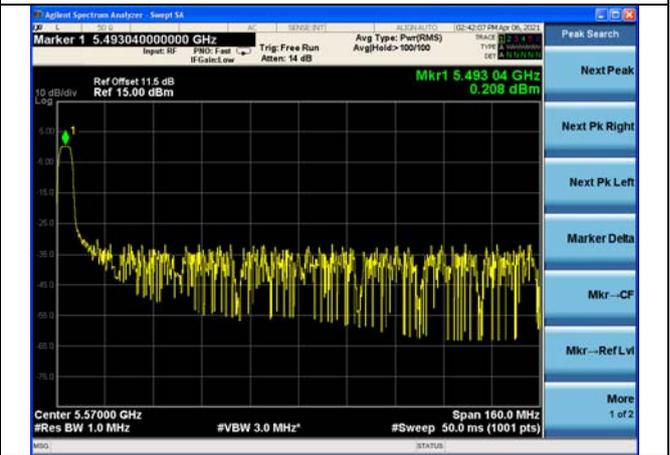
Test Mode:802.11ax HE160(52T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	0.258
		Ant8	0.228
		Ant7+Ant8	3.253

Test Mode:802.11ax HE160 Ant7



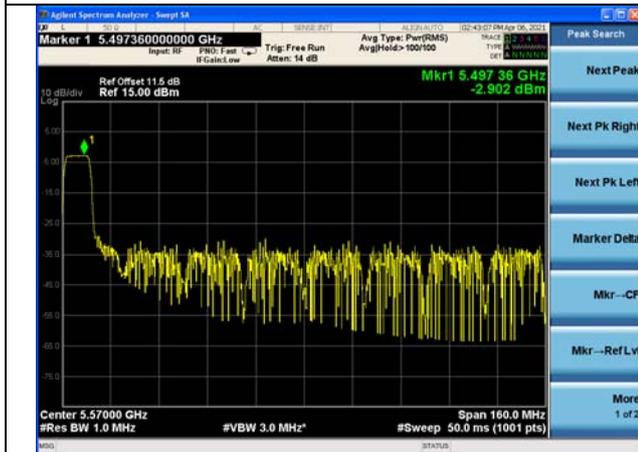
Test Mode:802.11ax HE160 Ant8



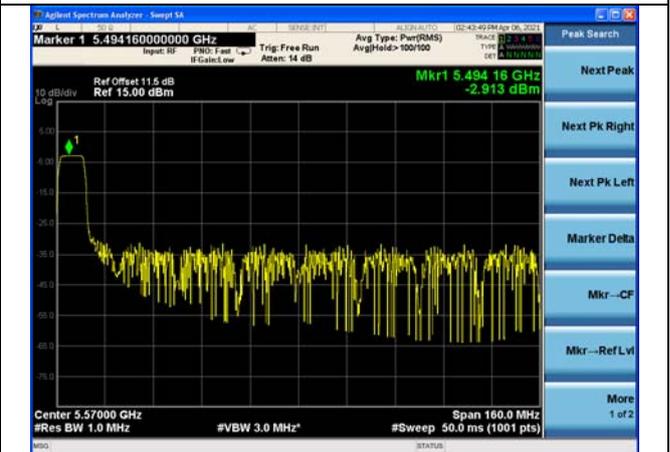
Test Mode:802.11ax HE160(106T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	-2.882
		Ant8	-2.893
		Ant7+Ant8	0.123

Test Mode:802.11ax HE160 Ant7



Test Mode:802.11ax HE160 Ant8



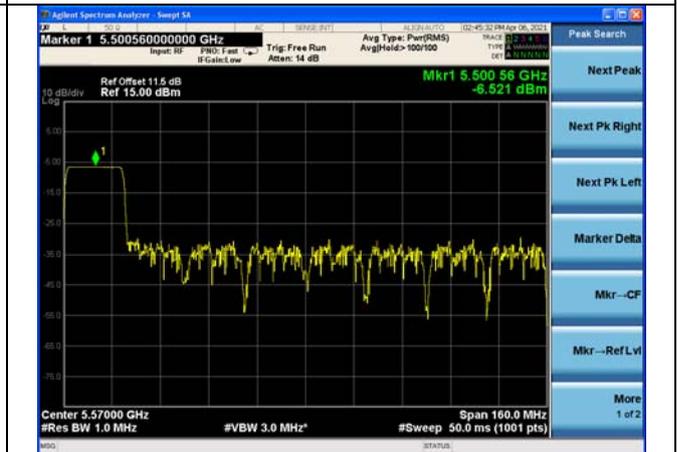
Test Mode:802.11ax HE160(242T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	-6.470
		Ant8	-6.501
		Ant7+Ant8	-3.475

Test Mode:802.11ax HE160 Ant7



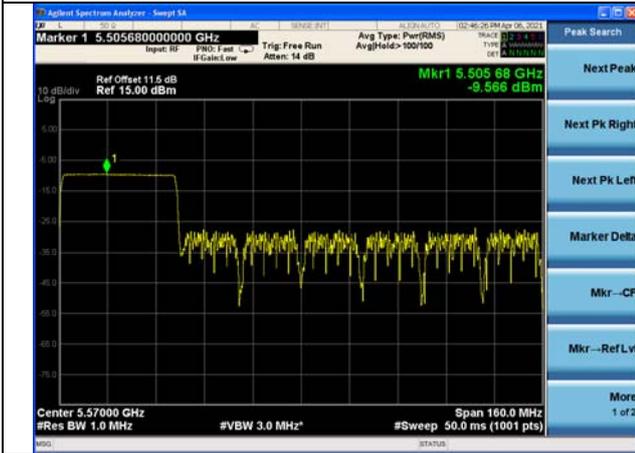
Test Mode:802.11ax HE160 Ant8



Test Mode:802.11ax HE160(484T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	-9.546
		Ant8	-9.526
		Ant7+Ant8	-6.526

Test Mode:802.11ax HE160 Ant7



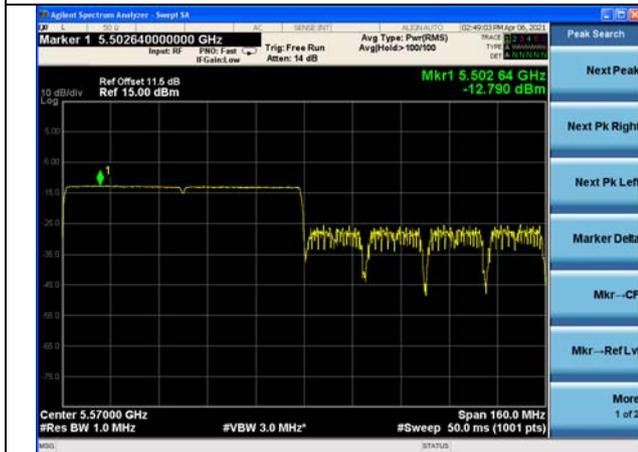
Test Mode:802.11ax HE160 Ant8



Test Mode:802.11ax HE160(996T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	-12.770
		Ant8	-12.817
		Ant7+Ant8	-9.783

Test Mode:802.11ax HE160 Ant7



Test Mode:802.11ax HE160 Ant8



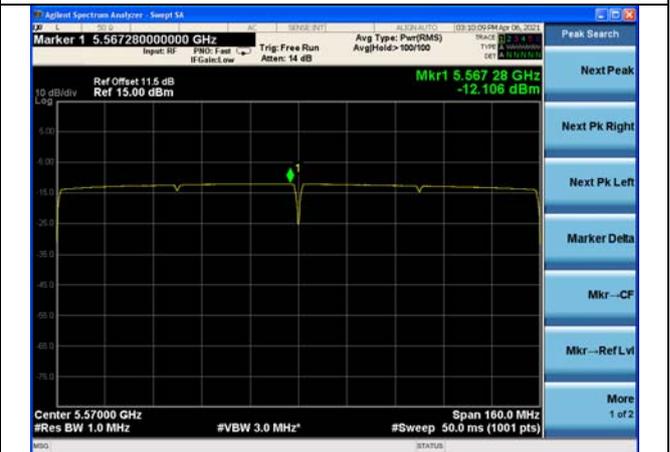
Test Mode:802.11ax HE160(1992T)

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm)
5570	0.02	Ant7	-11.779
		Ant8	-12.086
		Ant7+Ant8	-8.919

Test Mode:802.11ax HE160 Ant7



Test Mode:802.11ax HE160 Ant8



Frequency Stability

NII2C

Mode	Data Rate	Ant	Center Frequency (MHz)	Measured Frequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11a	6Mbps	Ant7	5500	5498.13999	2.18	HV	+20
			5500	5502.50465	2.39	LV	+20
			5500	5502.15764	2.30	NV	+30
			5500	5496.23635	2.30	NV	+50
			5500	5503.73642	2.35	NV	+40
			5500	5495.28984	2.39	NV	-10
			5500	5499.05147	2.46	NV	-20
			5500	5500.28427	2.69	NV	-30
			5500	5502.20102	2.19	NV	+20
			5500	5499.05147	2.46	NV	+10
		5500	5504.68929	2.60	NV	0	
		5500	5497.53303	2.54	HV	+20	
		5500	5505.28905	2.65	LV	+20	
		5500	5497.18666	2.52	NV	+20	
		5500	5502.82405	2.46	NV	+50	
		5500	5498.03314	2.61	NV	+40	
		5500	5503.12187	2.61	NV	+30	
		5500	5500.59284	2.79	NV	-30	
		5500	5502.82405	2.46	NV	-20	
		5500	5499.71801	2.27	NV	-10	
5500	5504.65363	2.11	NV	+10			
5500	5498.09252	2.81	NV	0			

Dynamic Frequency Selection

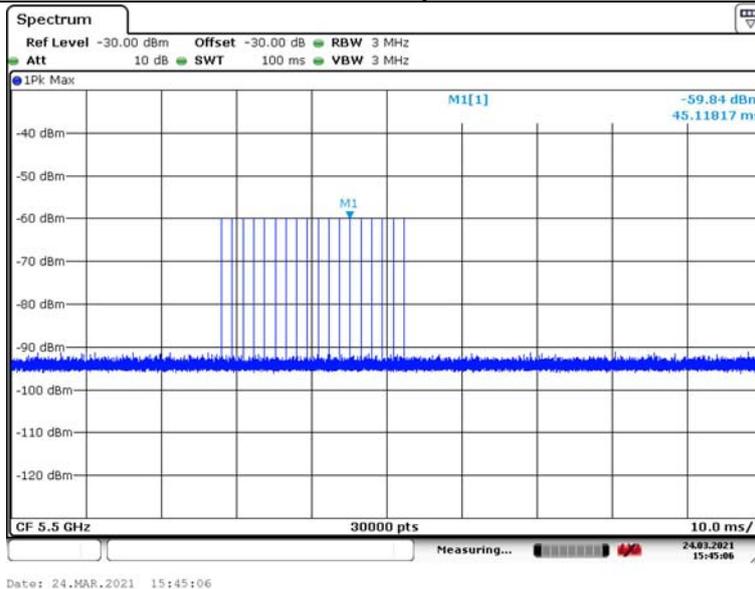
DESCRIPTION OF Master Device

The Master Device is a SKSpruce Technologies Co., Ltd., Indoor Access Point, FCC ID: 2AHKT-WIA3300-20. The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -60 dBm.

Radar Waveform Calibration Result

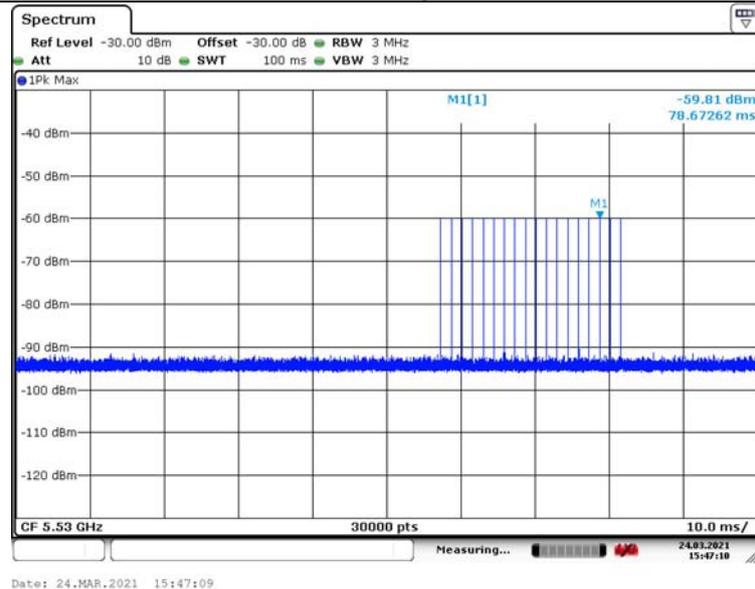
<20MHz / 5500 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency

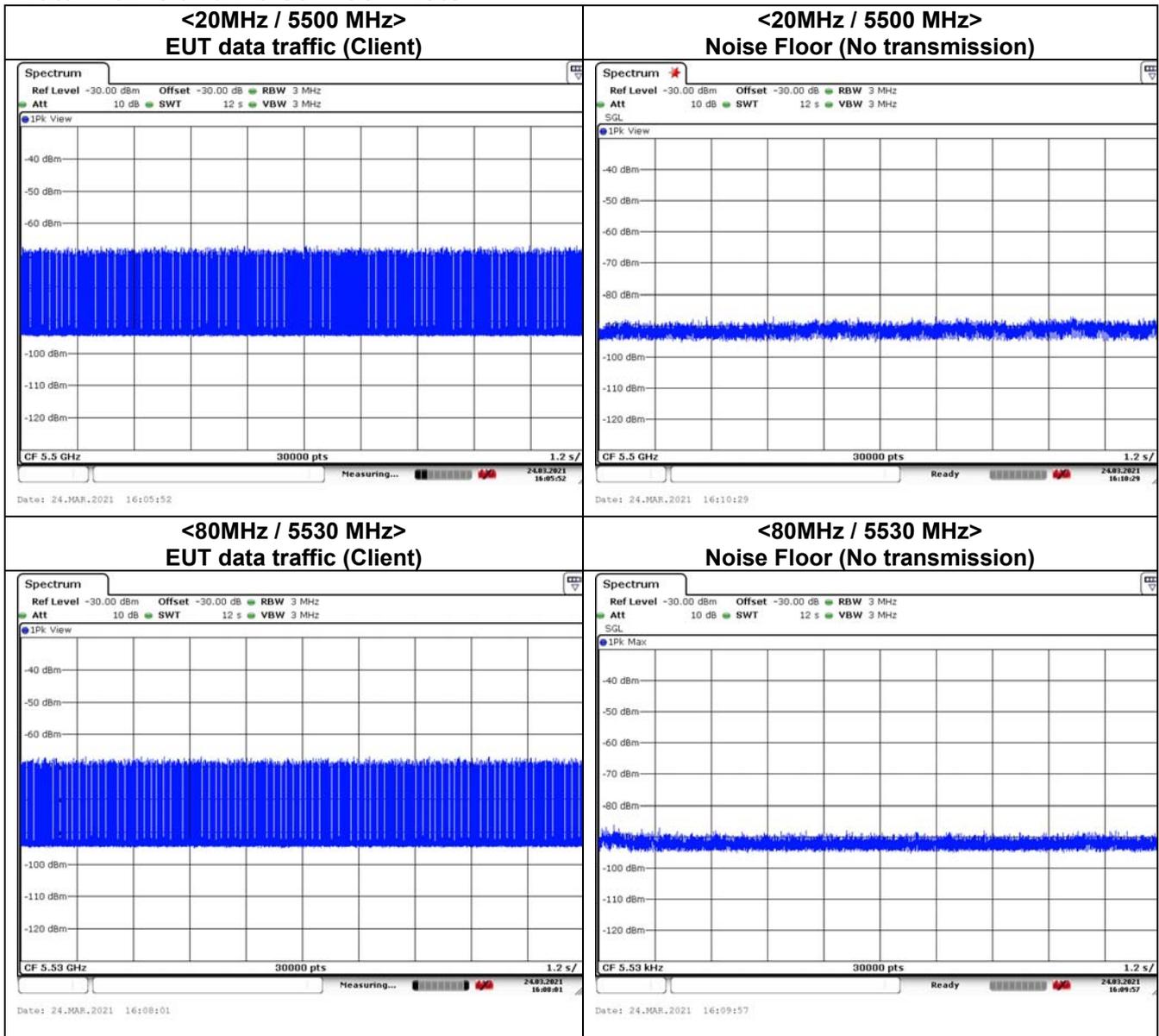


<80MHz / 5530 MHz> Radar Type 0

Radar / DFS detection threshold level and the burst of pulses on the Channel frequency



Data Traffic and Noise Floor Plots



Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

Frequency	Test Item	Test Result	Limit	Pass/Fail
5500MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +2.4ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass
5530MHz	Channel Move Time	< 10s*	< 10s	Pass
	Channel Closing Transmission Time	200ms +2.8ms	< 260ms	Pass
	Non-Occupancy Period	≥ 30	≥ 30 min	Pass

Note*: We notice clearly that “Channel Move Time” is less than 10s from the figure. The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.