Test Mode:802.11ax HE20(52T)

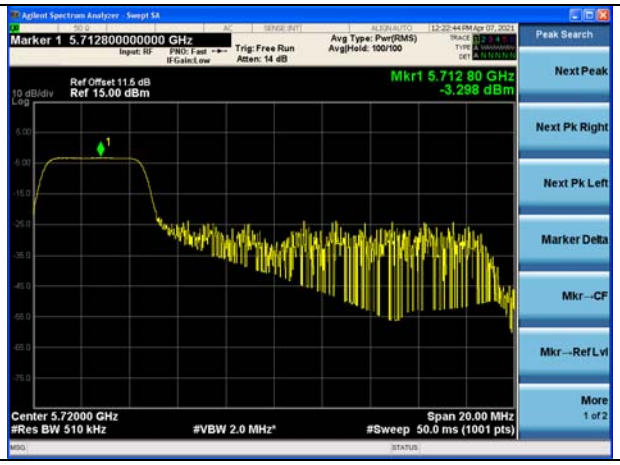
Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5500	0.02	Ant7	11dBm/MHz	-1.391
		Ant8		-1.613
		Ant7+Ant8		1.510
5580		Ant7		-1.254
		Ant8		-1.934
		Ant7+Ant8		1.430
5700		Ant7		-0.765
		Ant8		-1.074
		Ant7+Ant8		2.094
5720		Ant7		-0.345
		Ant8		0.137
		Ant7+Ant8		2.913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

Test Mode:802. 11ax HE20 Ant7

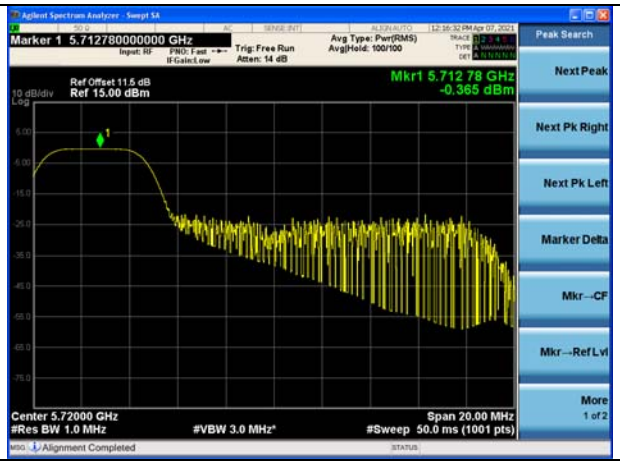
Test Mode:802. 11ax HE20 Ant7

Test Mode:802. 11ax HE20 Ant7

Test Mode:802. 11ax HE20 Ant7



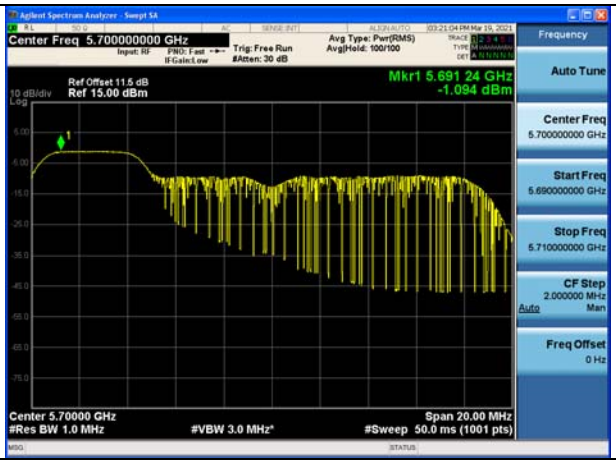
Test Mode:802. 11ax HE20 Ant7



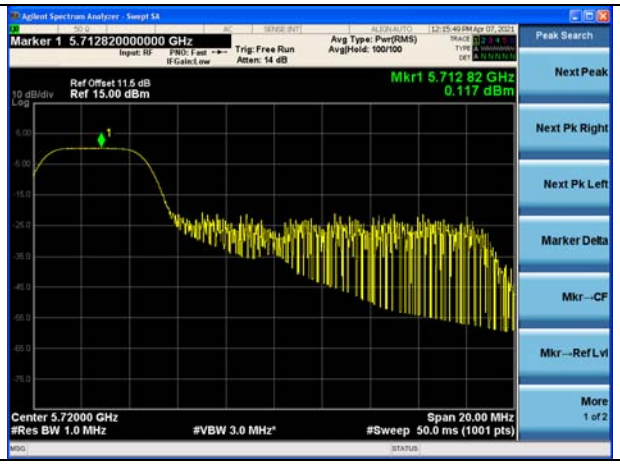
Test Mode:802. 11ax HE20 Ant8

Test Mode:802. 11ax HE20 Ant8

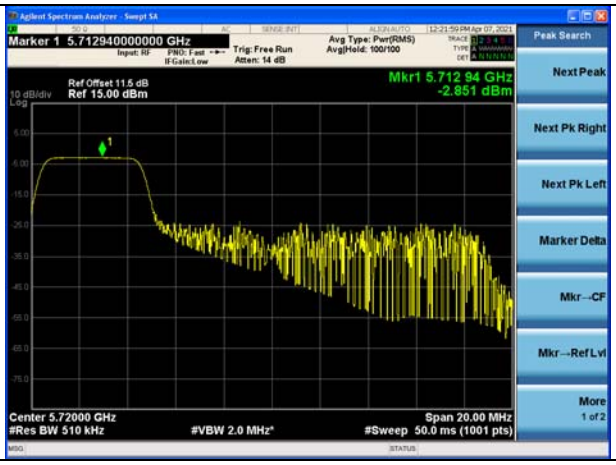
Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



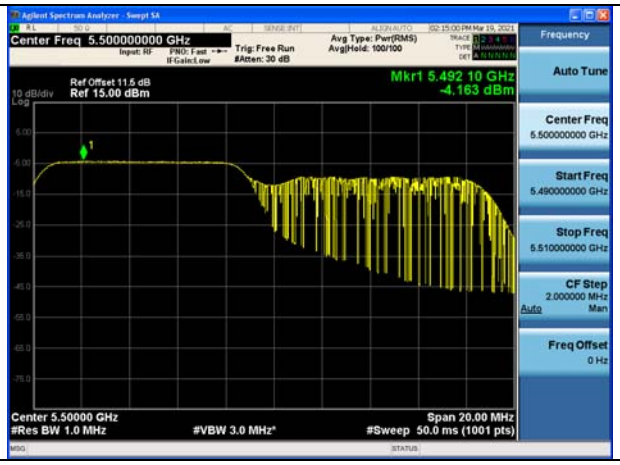
Test Mode:802. 11ax HE20 Ant8



Test Mode:802.11ax HE20(106T)

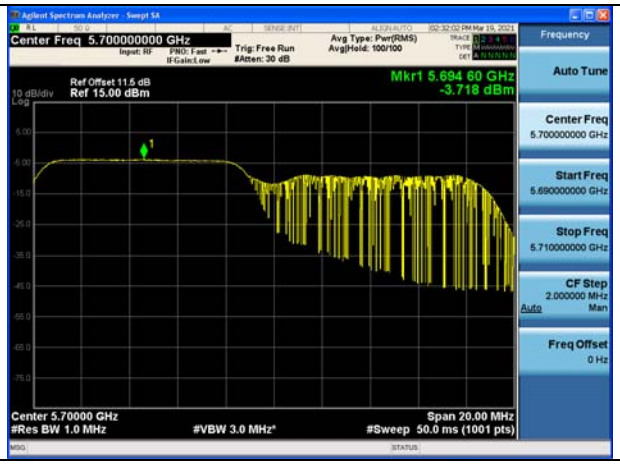
Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5500	0.02	Ant7	11dBm/MHz	-4.143
		Ant8		-4.488
		Ant7+Ant8		-1.302
5580		Ant7		-3.970
		Ant8		-4.797
		Ant7+Ant8		-1.354
5700		Ant7		-3.698
		Ant8		-3.912
		Ant7+Ant8		-0.793
5720		Ant7		-3.307
		Ant8		-2.871
		Ant7+Ant8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

Test Mode:802. 11ax HE20 Ant7

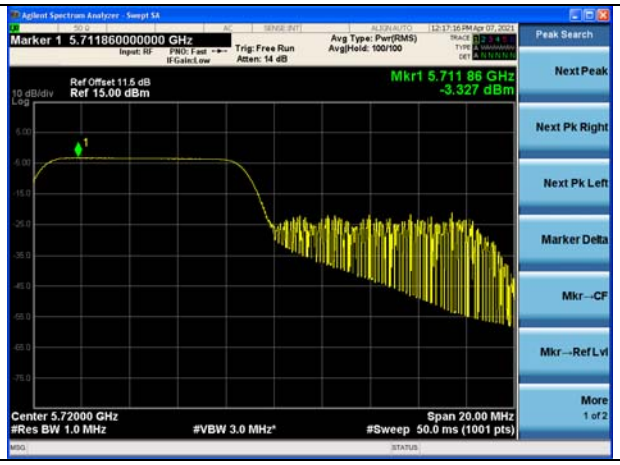


Test Mode:802. 11ax HE20 Ant7

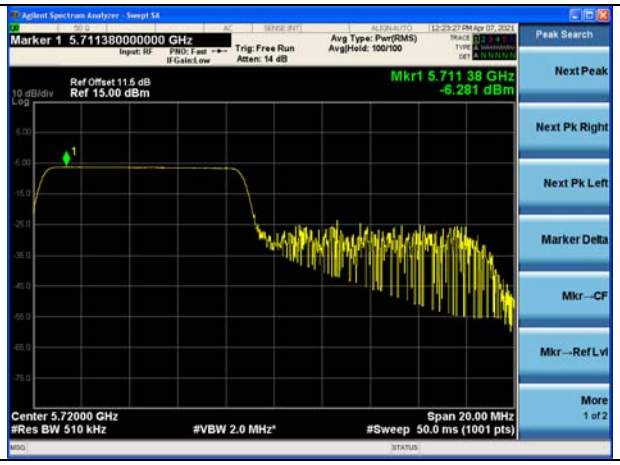
Test Mode:802. 11ax HE20 Ant7



Test Mode:802. 11ax HE20 Ant7

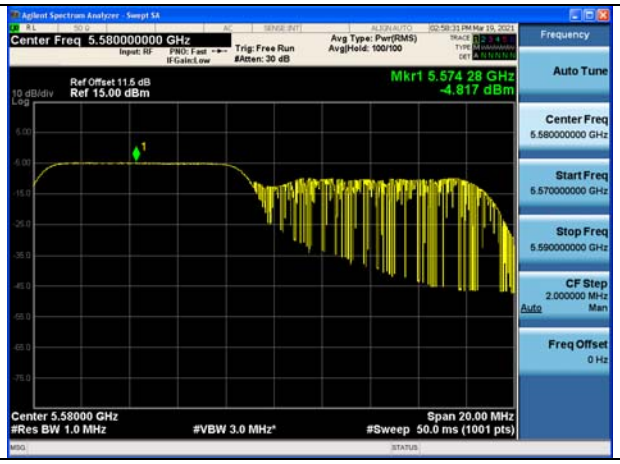


Test Mode:802. 11ax HE20 Ant7

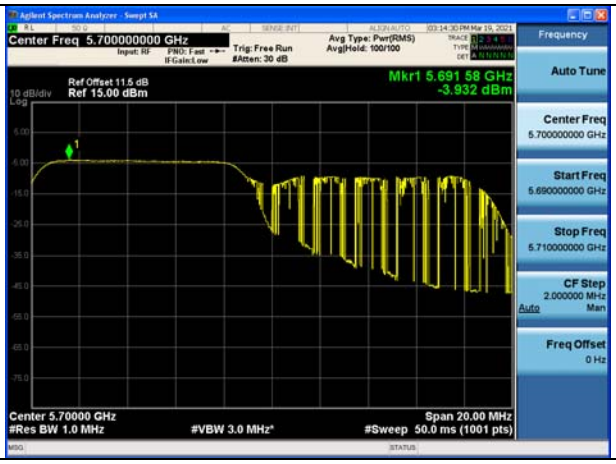


Test Mode:802. 11ax HE20 Ant8

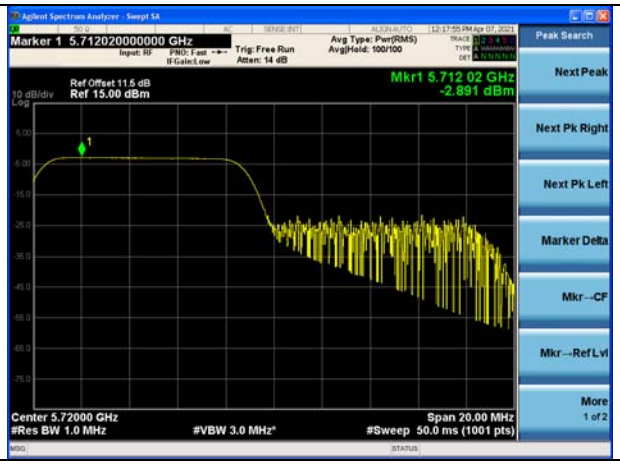
Test Mode:802. 11ax HE20 Ant8



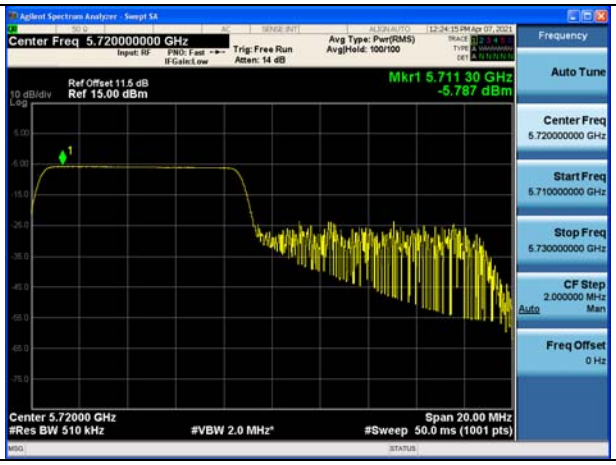
Test Mode:802. 11ax HE20 Ant8



Test Mode:802. 11ax HE20 Ant8



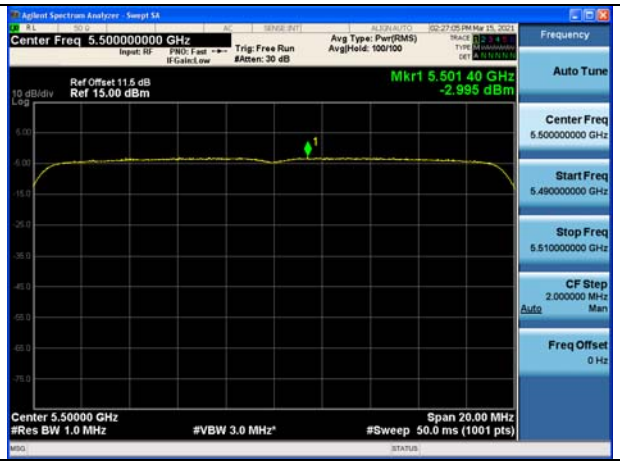
Test Mode:802. 11ax HE20 Ant8



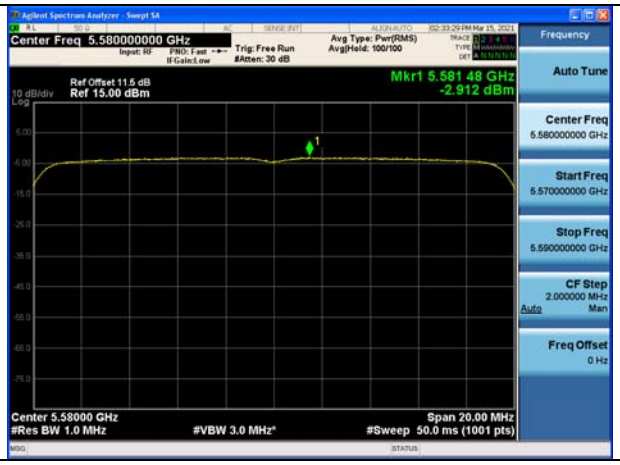
Test Mode:802.11ax HE20(242T)

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

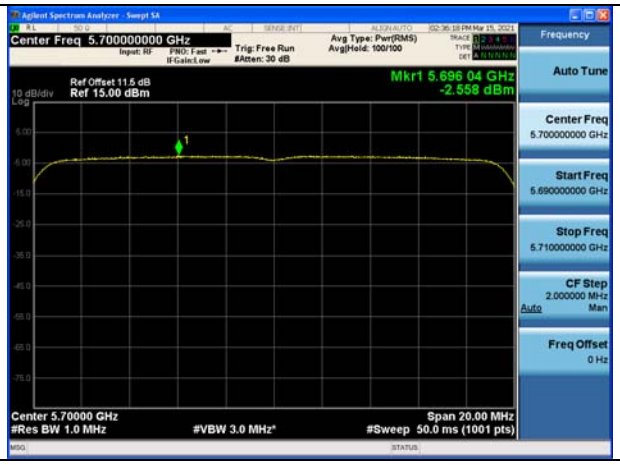
Test Mode:802. 11ax HE20 Ant7



Test Mode:802. 11ax HE20 Ant7

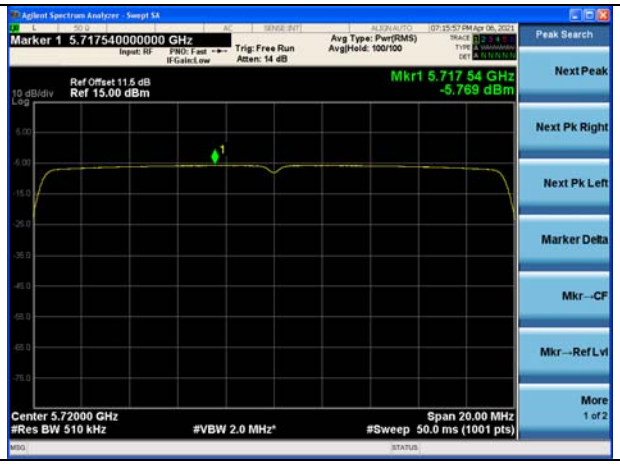


Test Mode:802. 11ax HE20 Ant7



Test Mode:802. 11ax HE20 Ant7

Test Mode:802. 11ax HE20 Ant7



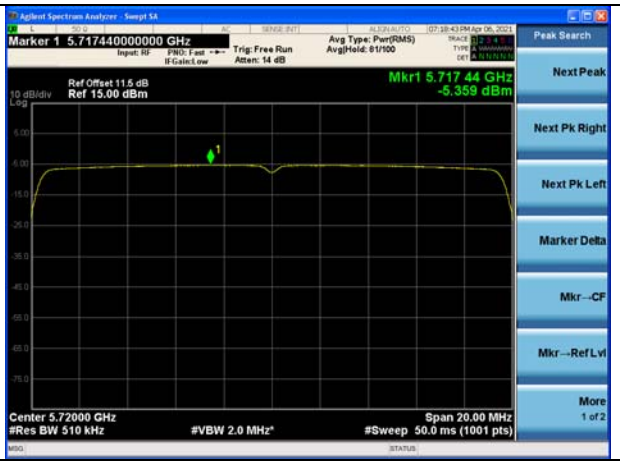
Test Mode:802. 11ax HE20 Ant8

Test Mode:802. 11ax HE20 Ant8

Test Mode:802. 11ax HE20 Ant8

Test Mode:802. 11ax HE20 Ant8

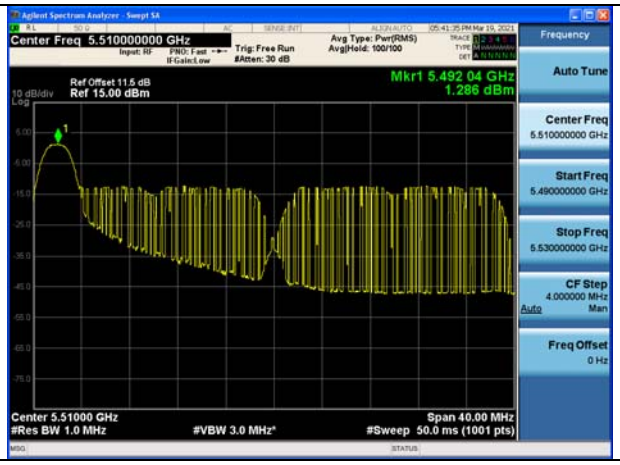
Test Mode:802. 11ax HE20 Ant8



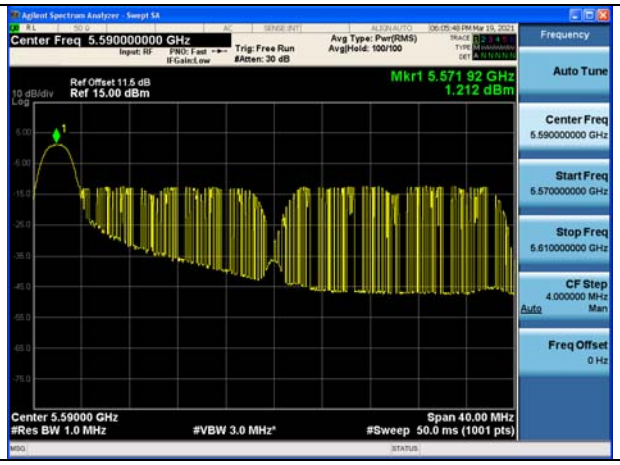
Test Mode:802.11ax HE40(26T)

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

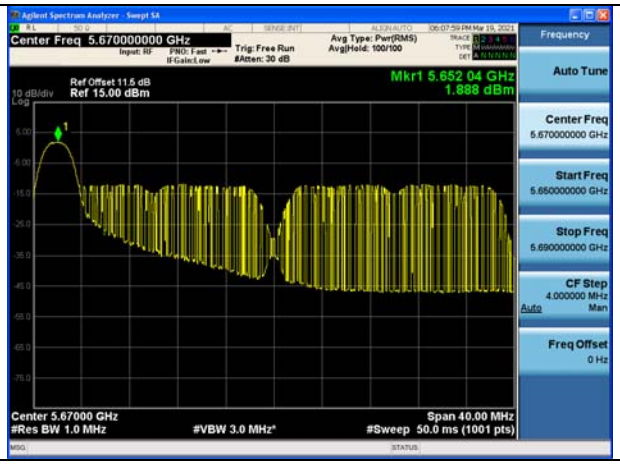
Test Mode:802. 11ax HE40 Ant7



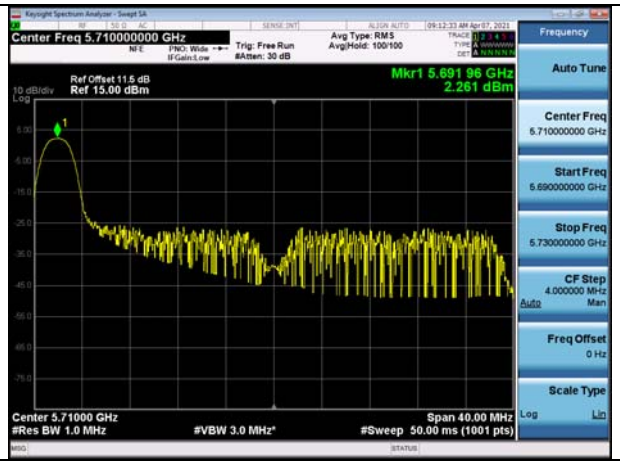
Test Mode:802. 11ax HE40 Ant7



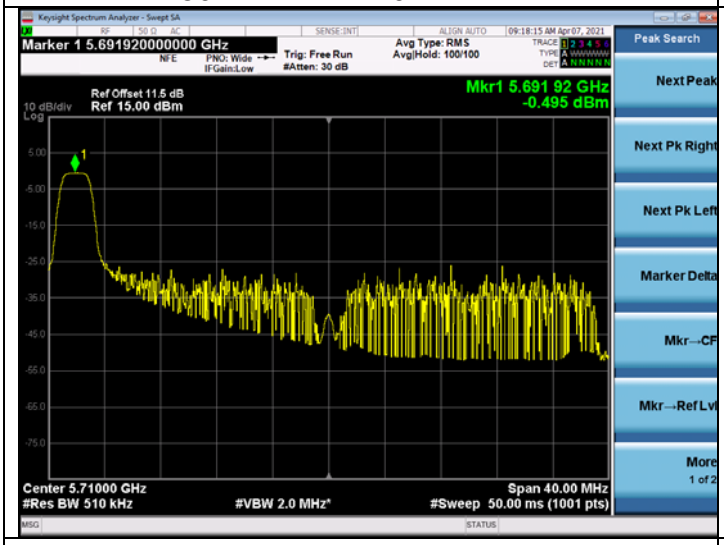
Test Mode:802. 11ax HE40 Ant7



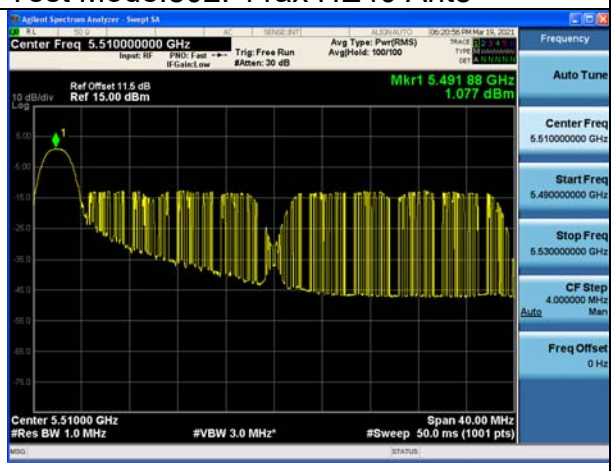
Test Mode:802. 11ax HE40 Ant7



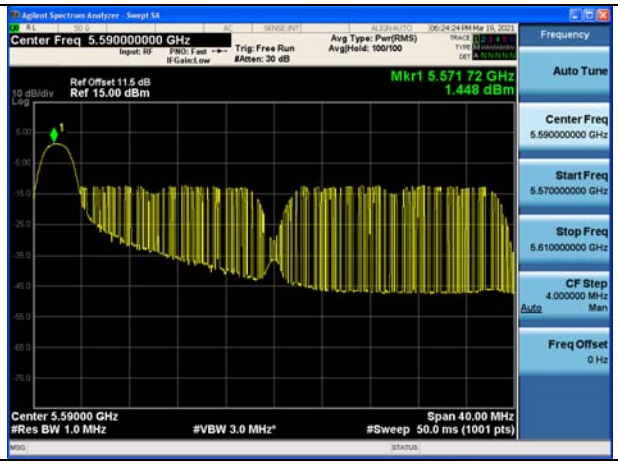
Test Mode:802. 11ax HE40 Ant7



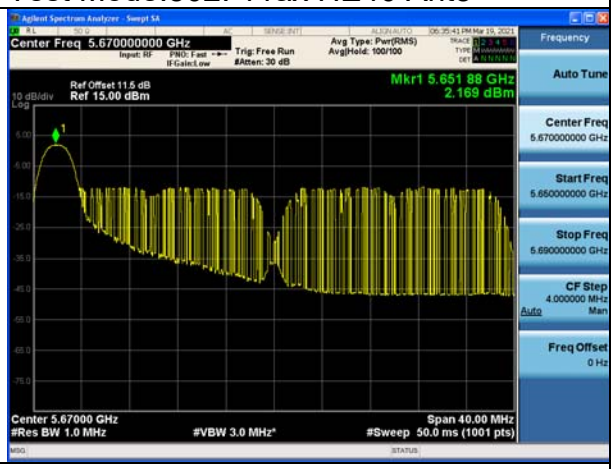
Test Mode:802. 11ax HE40 Ant8



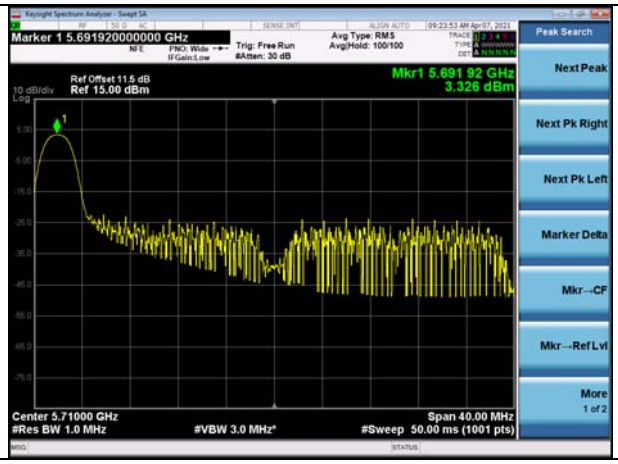
Test Mode:802. 11ax HE40 Ant8



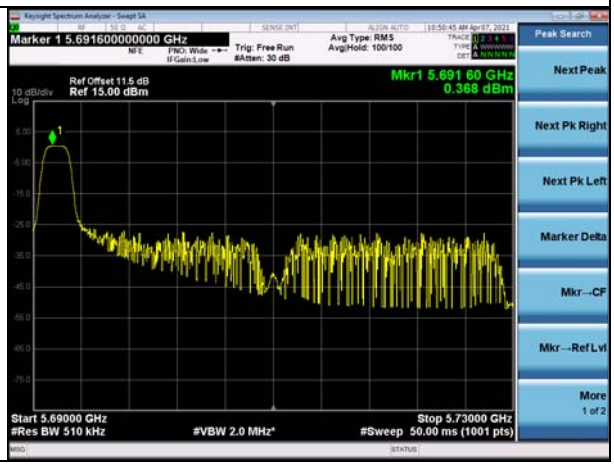
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



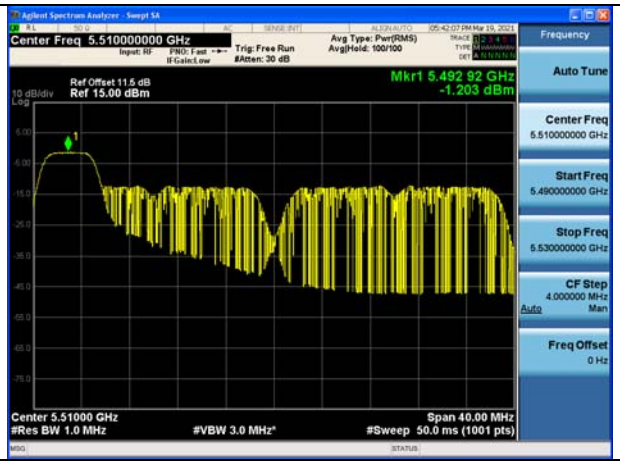
Test Mode:802. 11ax HE40 Ant8



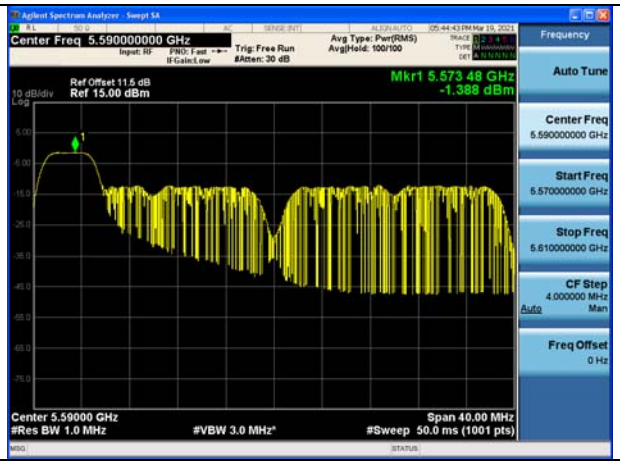
Test Mode:802.11ax HE40(52T)

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		Ant7	30dBm/500kHz	-2.493
		Ant8		-3.337
		Ant7+Ant8		0.116

Test Mode:802. 11ax HE40 Ant7

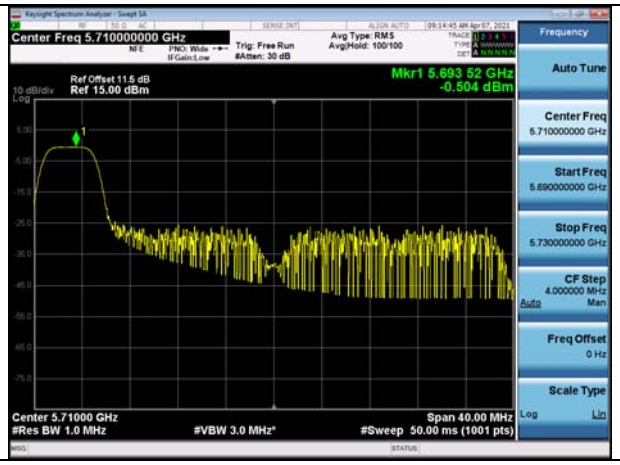


Test Mode:802. 11ax HE40 Ant7

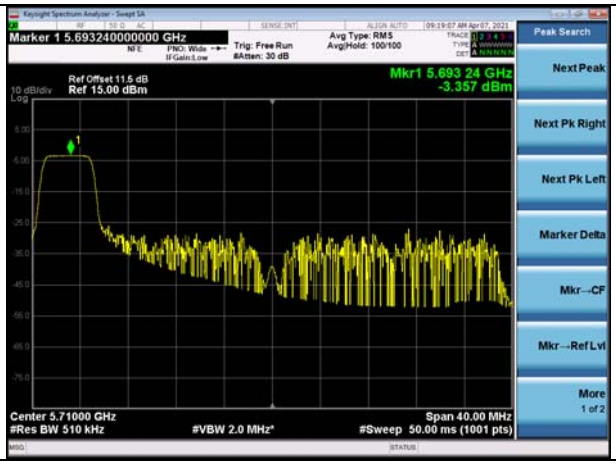


Test Mode:802. 11ax HE40 Ant7

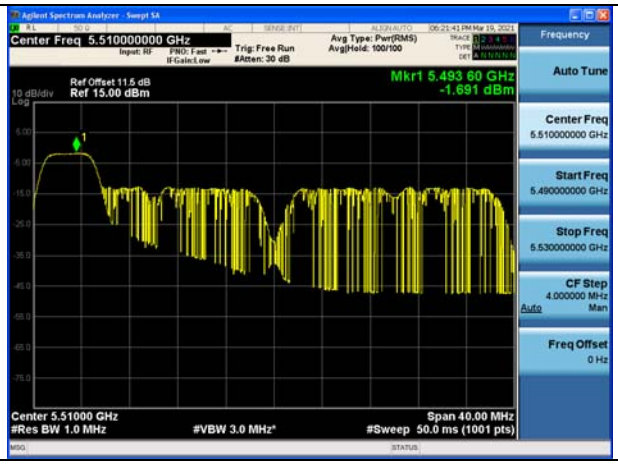
Test Mode:802. 11ax HE40 Ant7



Test Mode:802. 11ax HE40 Ant7

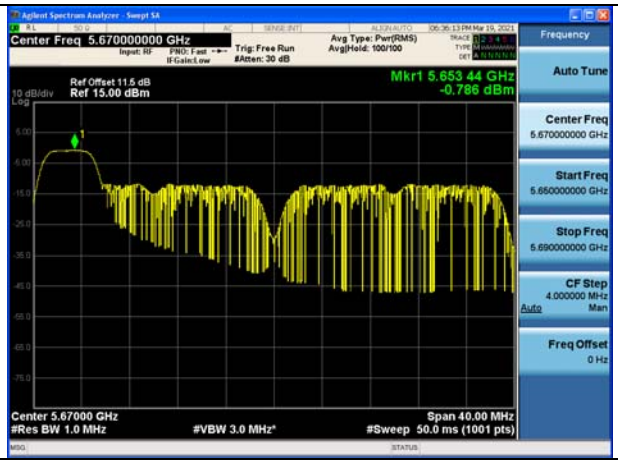


Test Mode:802. 11ax HE40 Ant8

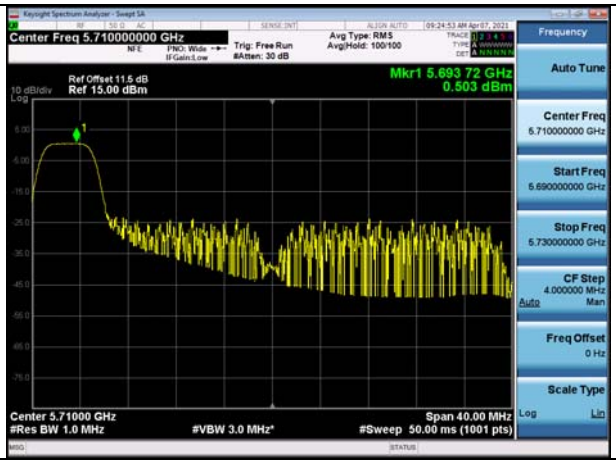


Test Mode:802. 11ax HE40 Ant8

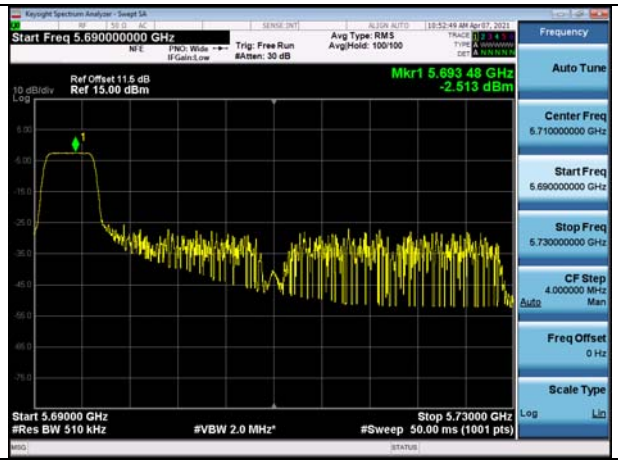
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



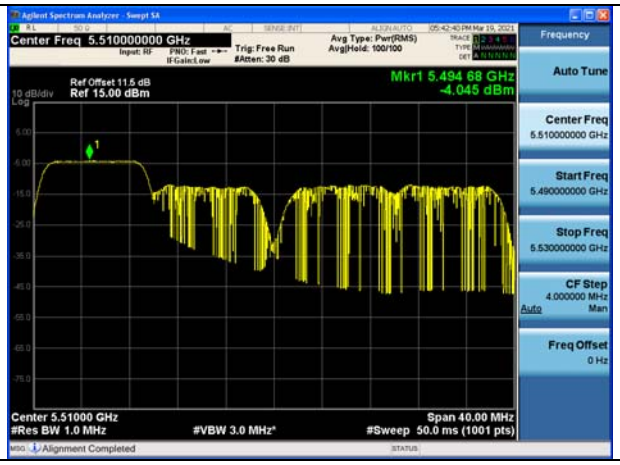
Test Mode:802. 11ax HE40 Ant8



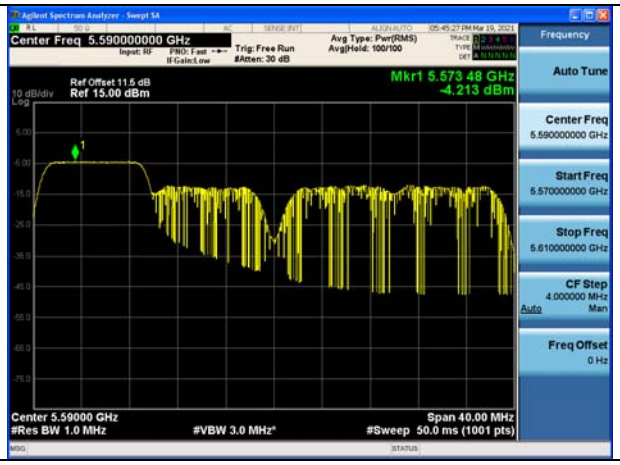
Test Mode:802.11ax HE40(106T)

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		Ant7	30dBm/500kHz	-6.452
		Ant8		-5.496
		Ant7+Ant8		-2.937

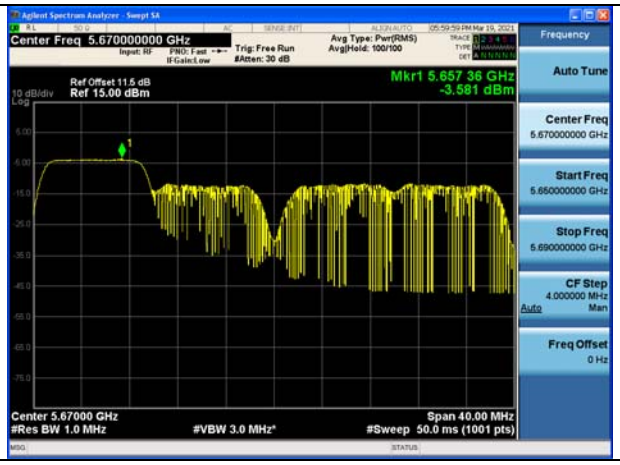
Test Mode:802. 11ax HE40 Ant7



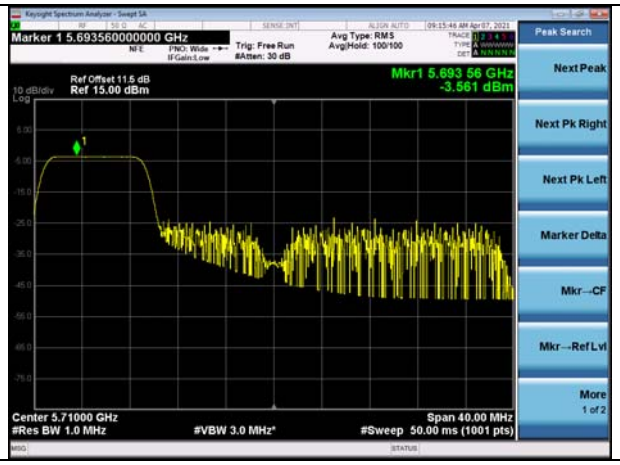
Test Mode:802. 11ax HE40 Ant7



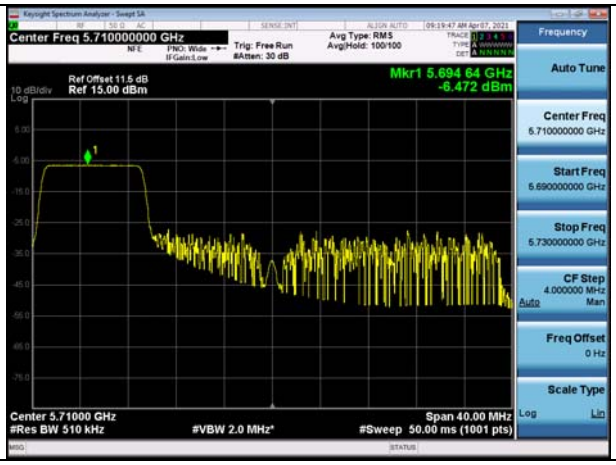
Test Mode:802. 11ax HE40 Ant7



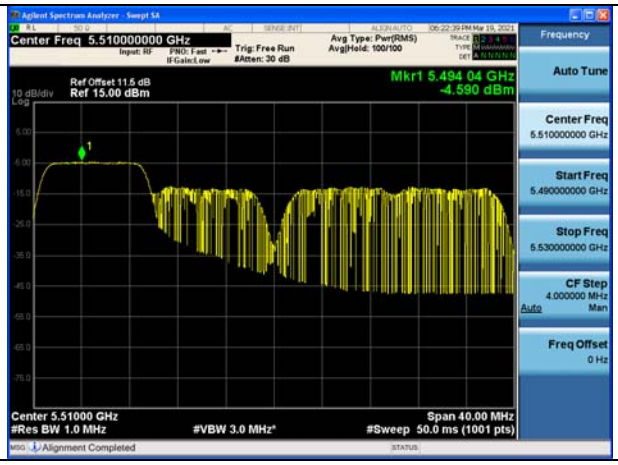
Test Mode:802. 11ax HE40 Ant7



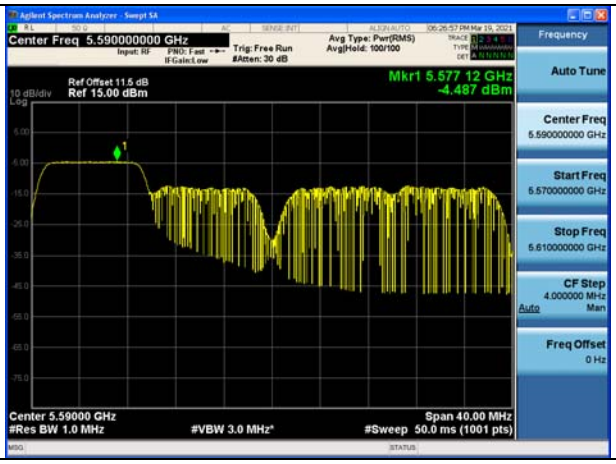
Test Mode:802. 11ax HE40 Ant7



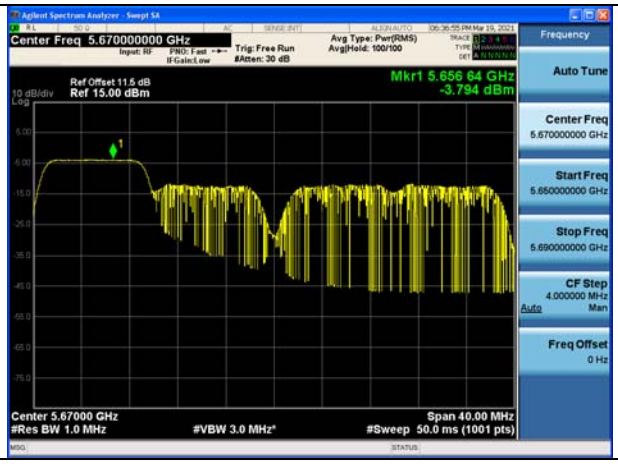
Test Mode:802. 11ax HE40 Ant8



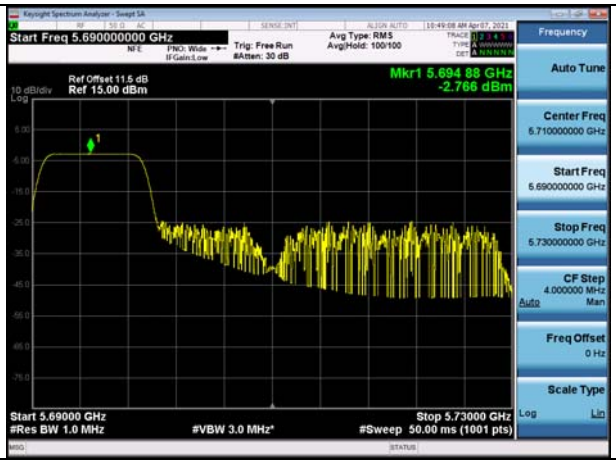
Test Mode:802. 11ax HE40 Ant8



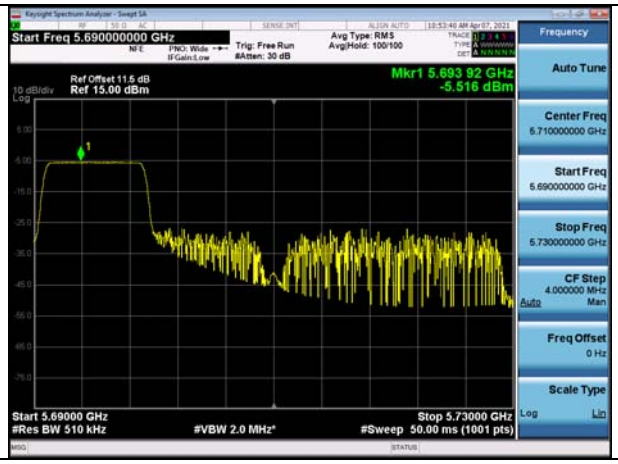
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



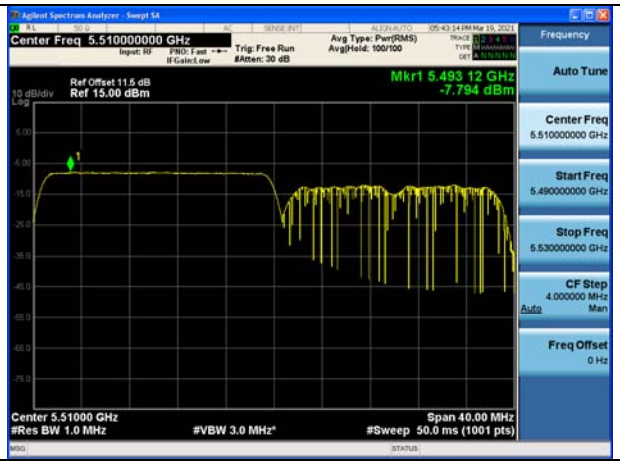
Test Mode:802. 11ax HE40 Ant8



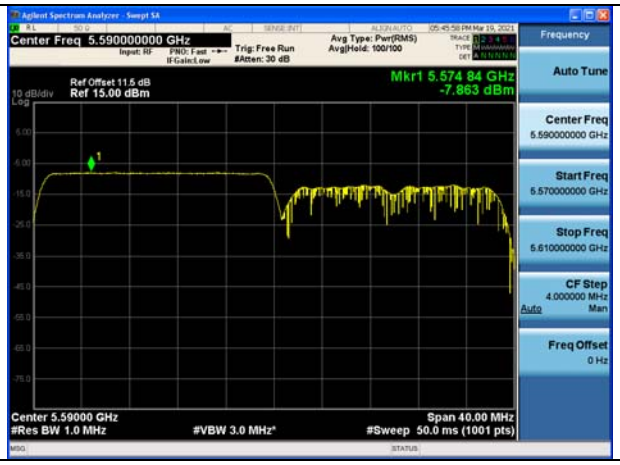
Test Mode:802.11ax HE40(242T)

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		Ant7	30dBm/500kHz	-10.144
		Ant8		-9.111
		Ant7+Ant8		-6.587

Test Mode:802. 11ax HE40 Ant7

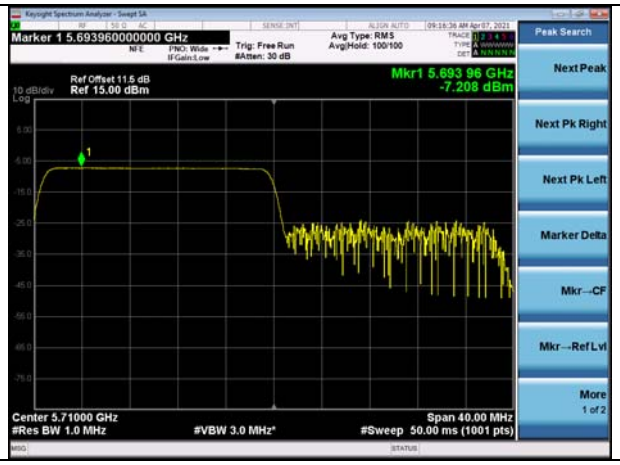


Test Mode:802. 11ax HE40 Ant7

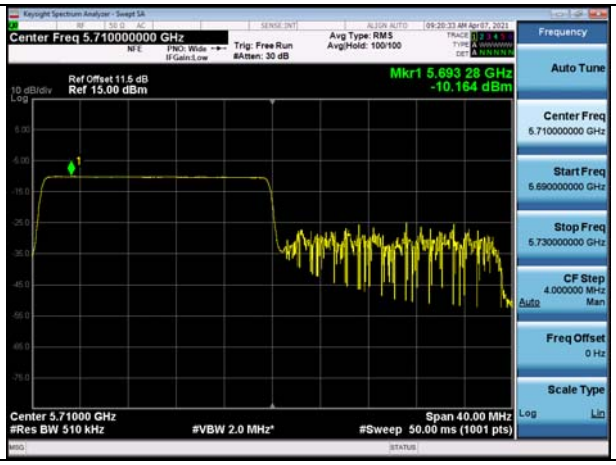


Test Mode:802. 11ax HE40 Ant7

Test Mode:802. 11ax HE40 Ant7



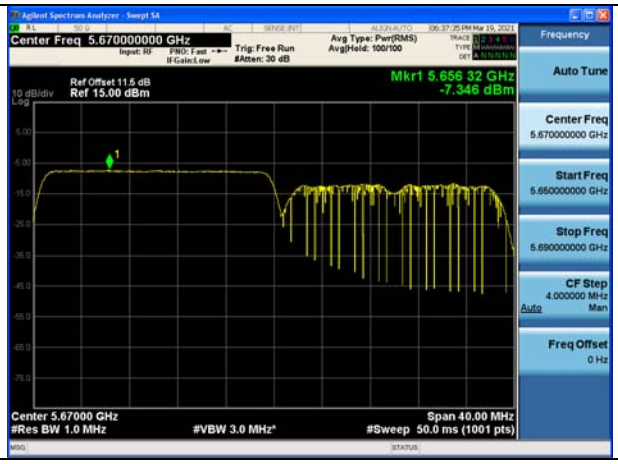
Test Mode:802. 11ax HE40 Ant7



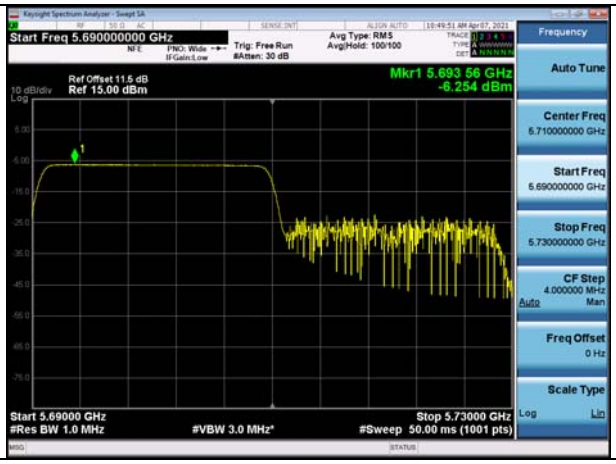
Test Mode:802. 11ax HE40 Ant8

Test Mode:802. 11ax HE40 Ant8

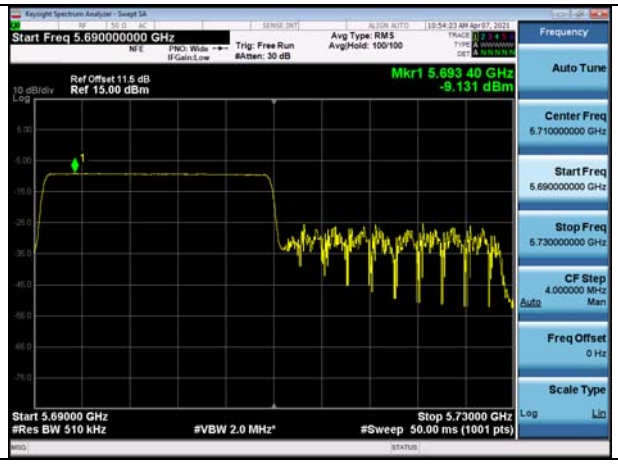
Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8



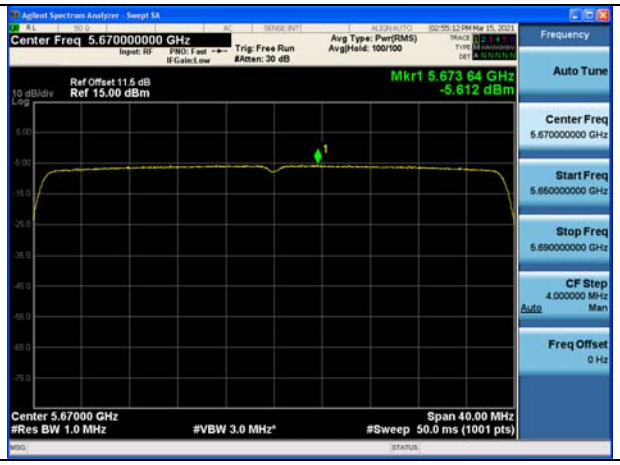
Test Mode:802.11ax HE40(484T)

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
5590		Ant7		-6.021
		Ant8		-5.471
		Ant7+Ant8		-2.727
5670		Ant7		-5.592
		Ant8		-4.949
		Ant7+Ant8		-2.248
5710		Ant7		-5.880
		Ant8		-5.418
		Ant7+Ant8		-2.633
5710		Ant7	30dBm/500kHz	-8.748
		Ant8		-8.349
		Ant7+Ant8		-5.534

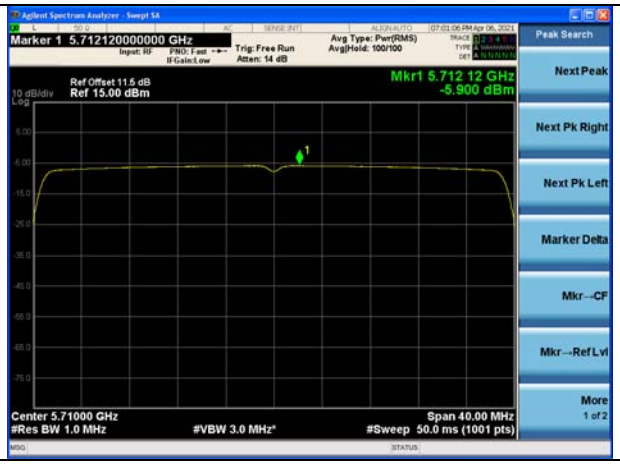
Test Mode:802. 11ax HE40 Ant7

Test Mode:802. 11ax HE40 Ant7

Test Mode:802. 11ax HE40 Ant7

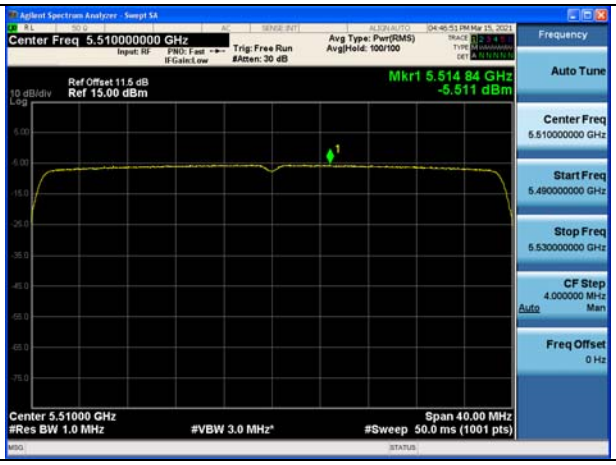


Test Mode:802. 11ax HE40 Ant7



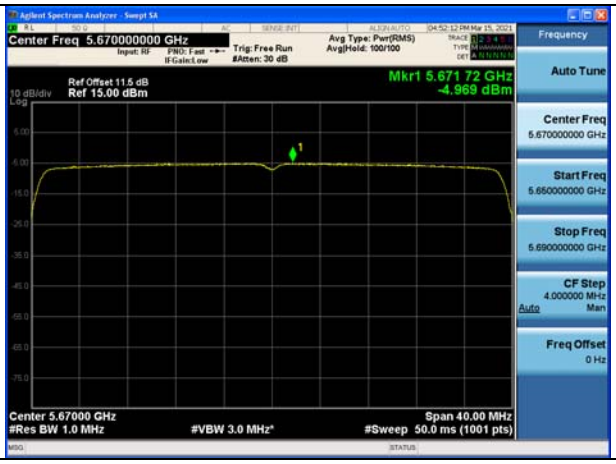
Test Mode:802. 11ax HE40 Ant7

Test Mode:802. 11ax HE40 Ant8

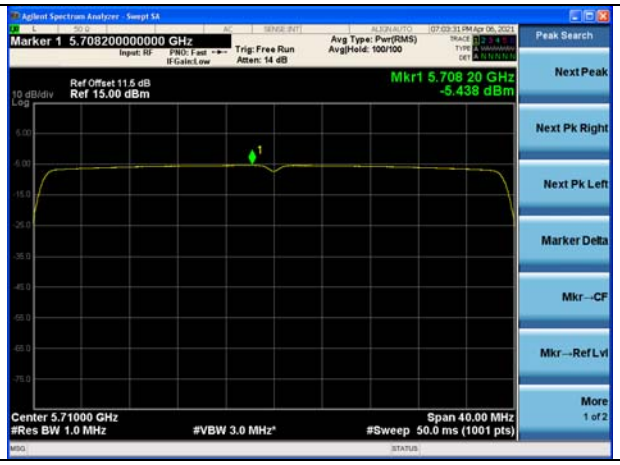


Test Mode:802. 11ax HE40 Ant8

Test Mode:802. 11ax HE40 Ant8



Test Mode:802. 11ax HE40 Ant8

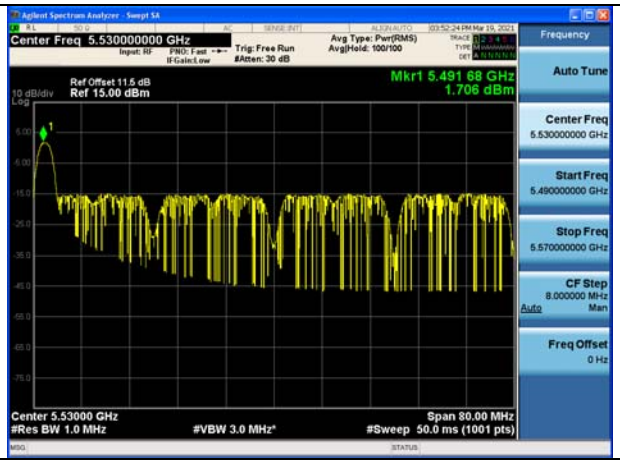


Test Mode:802. 11ax HE40 Ant8

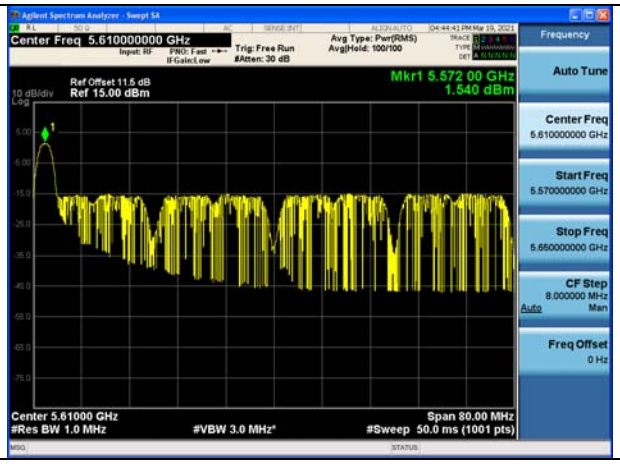
Test Mode:802.11ax HE80(26T)

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
5610		Ant7		1.560
		Ant8		1.452
		Ant7+Ant8		4.517
5690		Ant7		2.534
		Ant8		3.243
		Ant7+Ant8		5.913
5690		Ant7	30dBm/500kHz	-0.205
		Ant8		0.368
		Ant7+Ant8		3.101

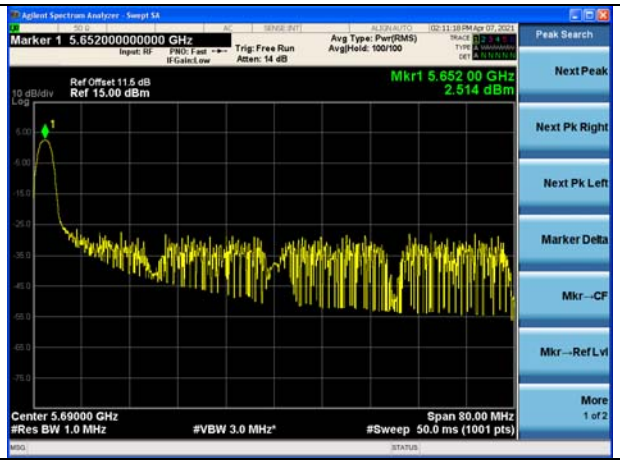
Test Mode:802. 11ax HE80 Ant7



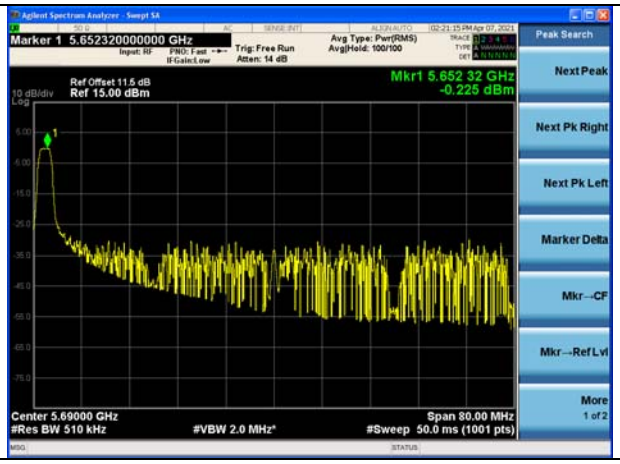
Test Mode:802. 11ax HE80 Ant7

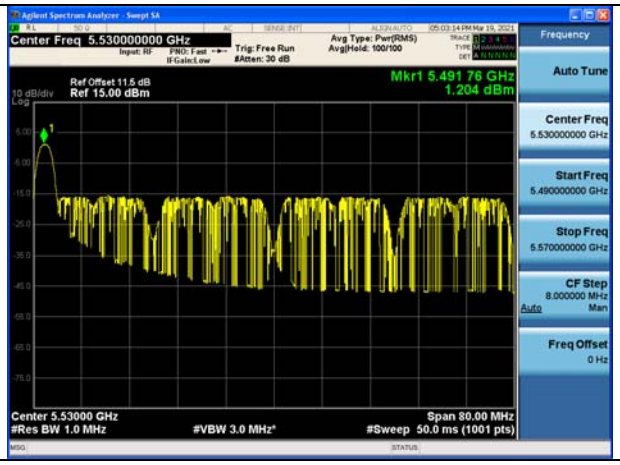
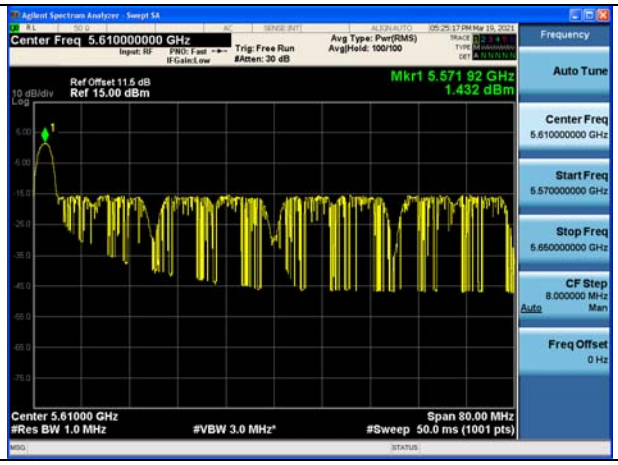
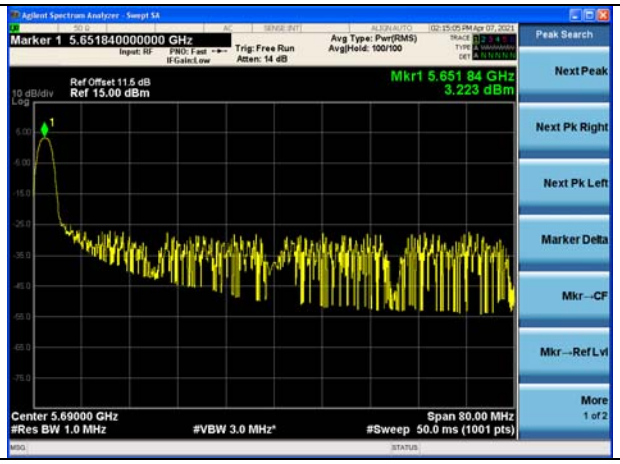
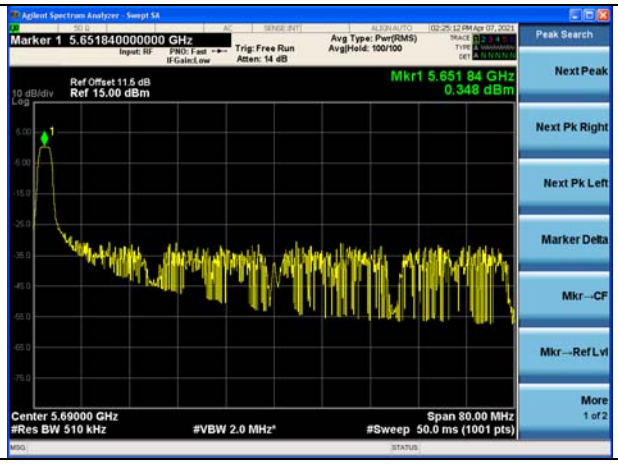


Test Mode:802. 11ax HE80 Ant7



Test Mode:802. 11ax HE80 Ant7

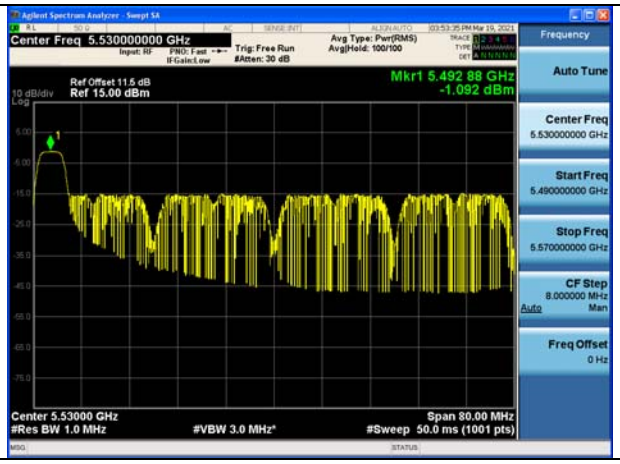


Test Mode:802. 11ax HE80 Ant8	Test Mode:802. 11ax HE80 Ant8
	
Test Mode:802. 11ax HE80 Ant8	Test Mode:802. 11ax HE80 Ant8
	

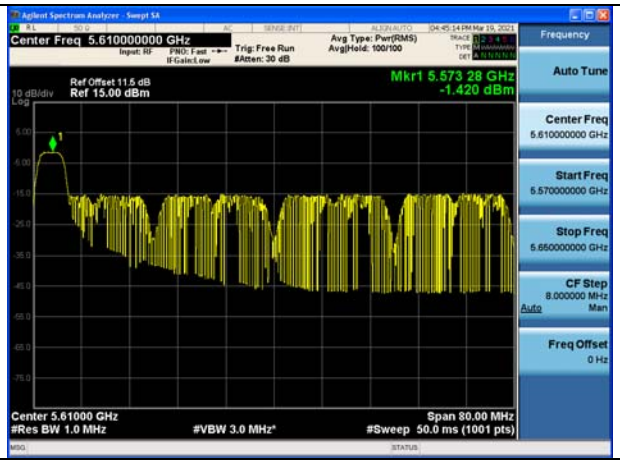
Test Mode:802.11ax HE80(52T)

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
5610		Ant7		-1.400
		Ant8		-1.301
		Ant7+Ant8		1.660
5690		Ant7		-0.262
		Ant8		0.343
		Ant7+Ant8		3.061
5690		Ant7	30dBm/500kHz	-3.154
		Ant8		-2.539
		Ant7+Ant8		0.175

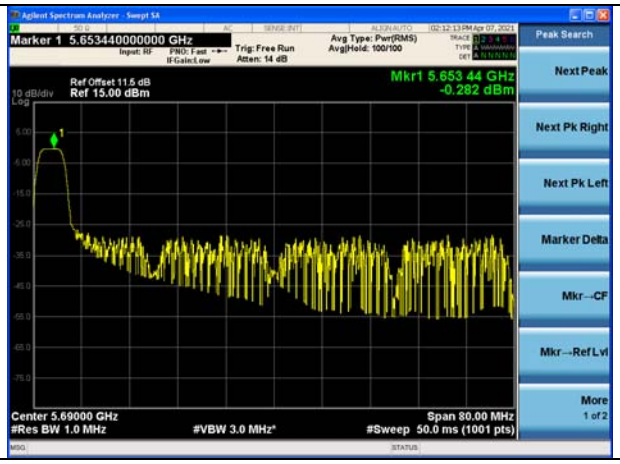
Test Mode:802. 11ax HE80 Ant7



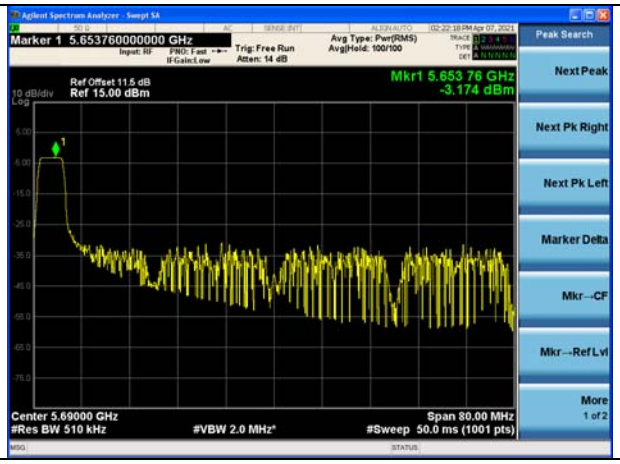
Test Mode:802. 11ax HE80 Ant7



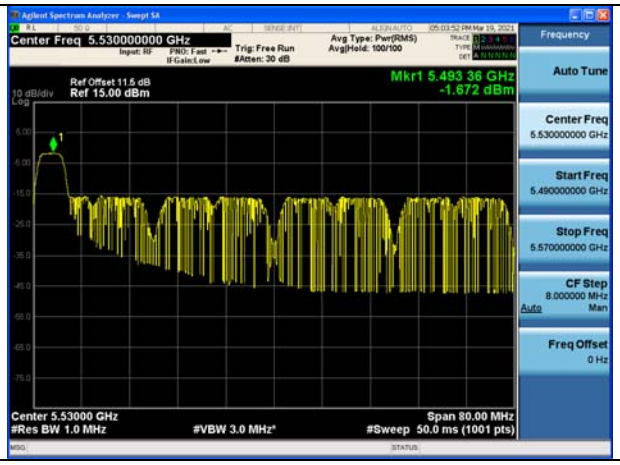
Test Mode:802. 11ax HE80 Ant7



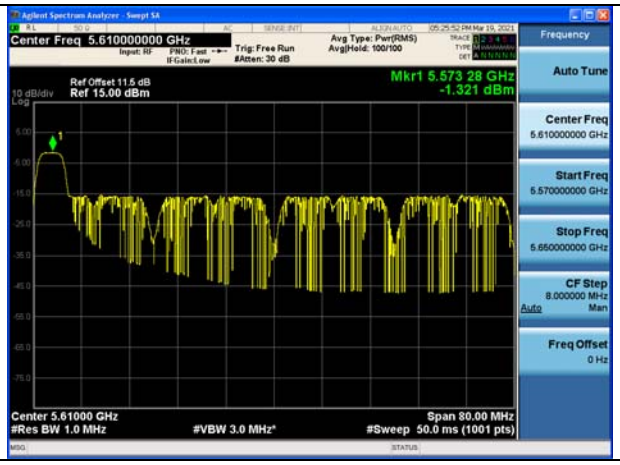
Test Mode:802. 11ax HE80 Ant7



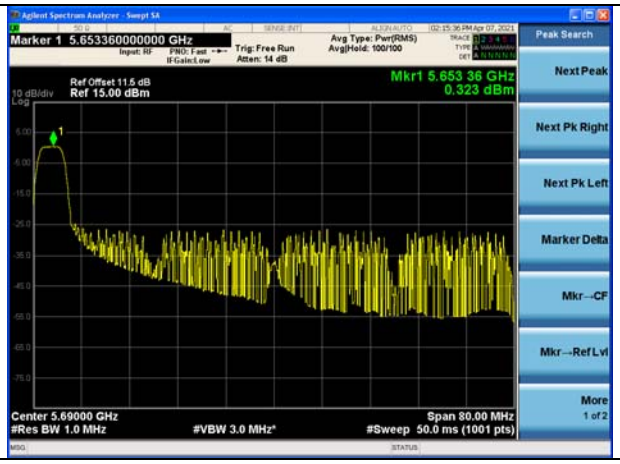
Test Mode:802. 11ax HE80 Ant8



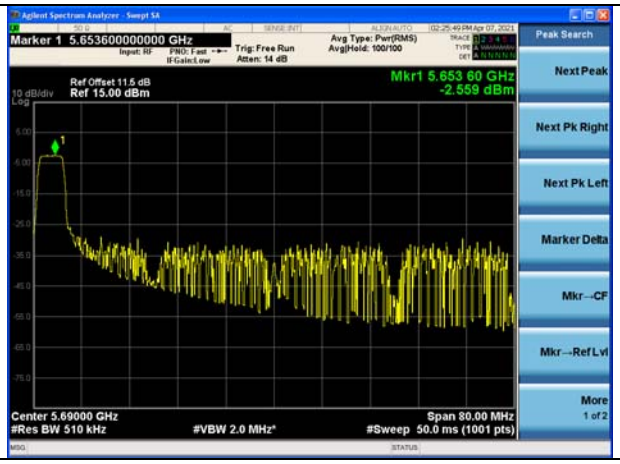
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



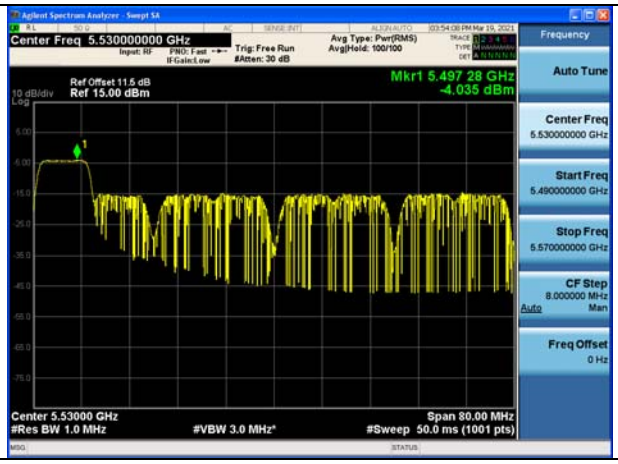
Test Mode:802. 11ax HE80 Ant8



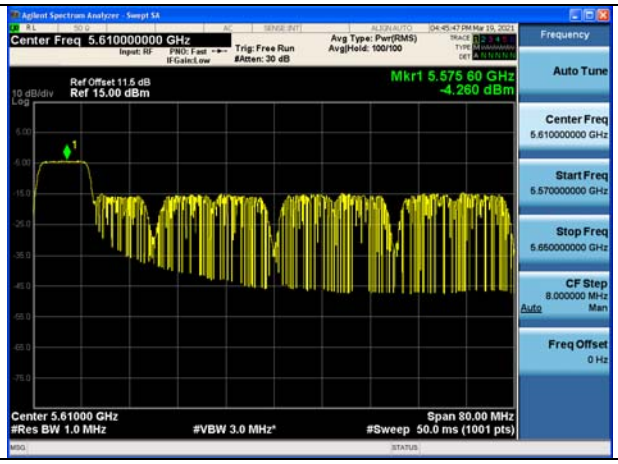
Test Mode:802.11ax HE80(106T)

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
5610		Ant7		-4.240
		Ant8		-4.519
		Ant7+Ant8		-1.367
5690		Ant7		-3.372
		Ant8		-2.764
		Ant7+Ant8		-0.047
5690		Ant7	30dBm/500kHz	-6.276
		Ant8		-5.739
		Ant7+Ant8		-2.989

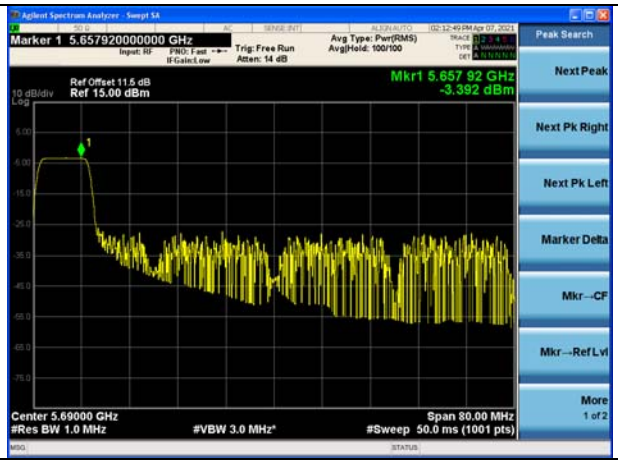
Test Mode:802. 11ax HE80 Ant7



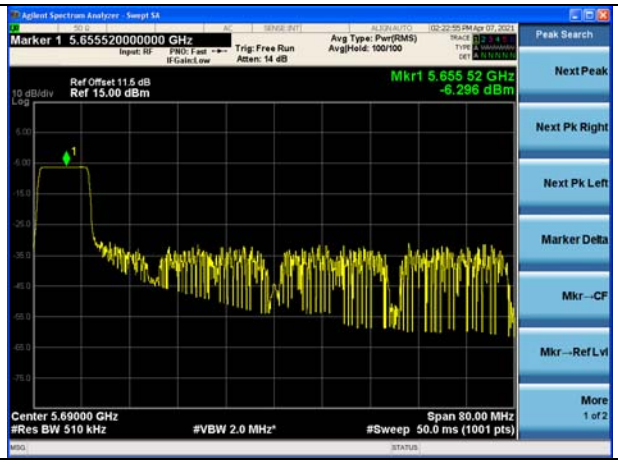
Test Mode:802. 11ax HE80 Ant7



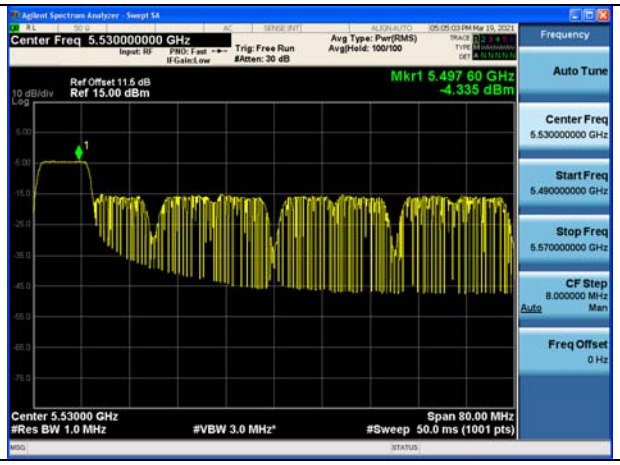
Test Mode:802. 11ax HE80 Ant7



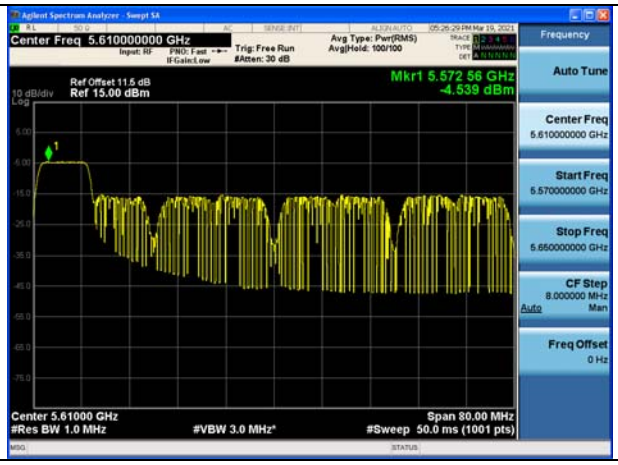
Test Mode:802. 11ax HE80 Ant7



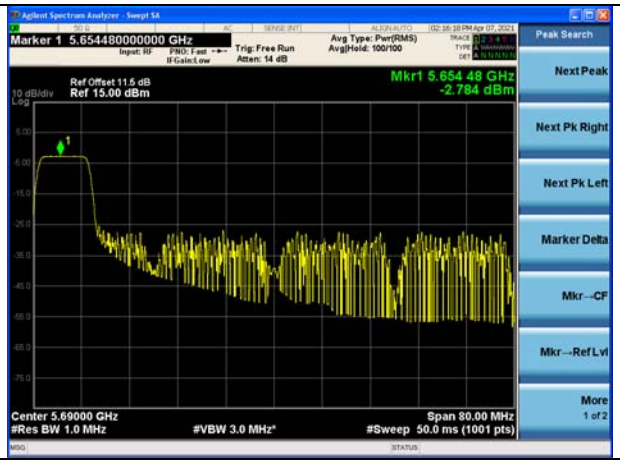
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8

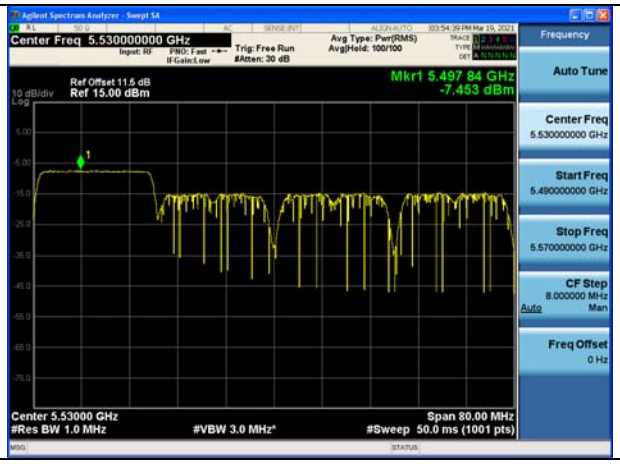


Test Mode:802. 11ax HE80 Ant8

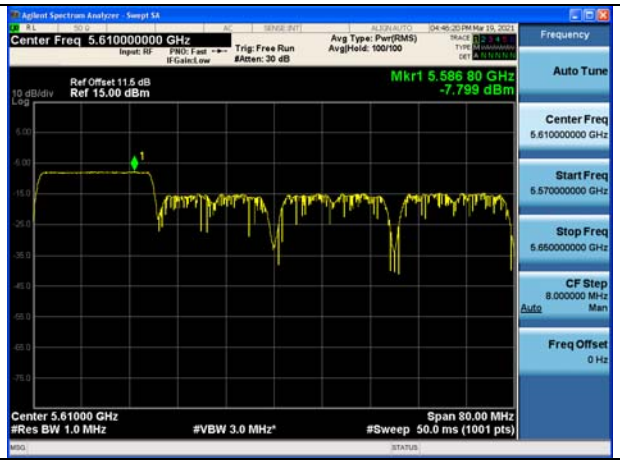
Test Mode:802.11ax HE80(242T)

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
5610		Ant7		-7.779
		Ant8		-8.007
		Ant7+Ant8		-4.881
5690		Ant7		-6.956
		Ant8		-6.330
		Ant7+Ant8		-3.621
5690		Ant7	30dBm/500kHz	-9.863
		Ant8		-9.279
		Ant7+Ant8		-6.551

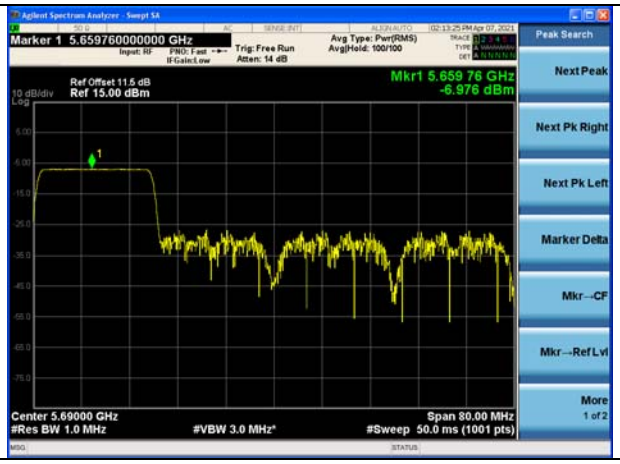
Test Mode:802. 11ax HE80 Ant7



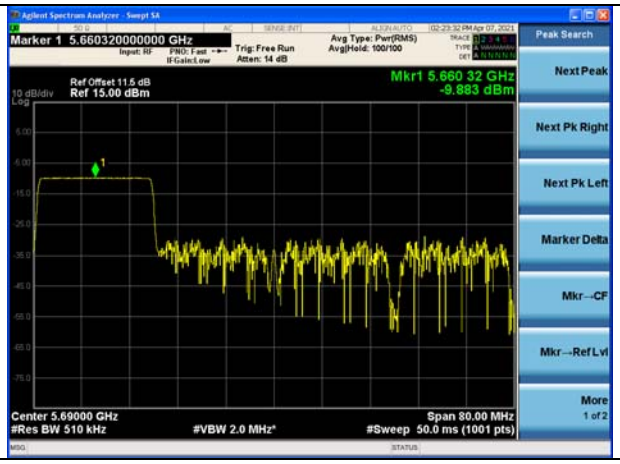
Test Mode:802. 11ax HE80 Ant7



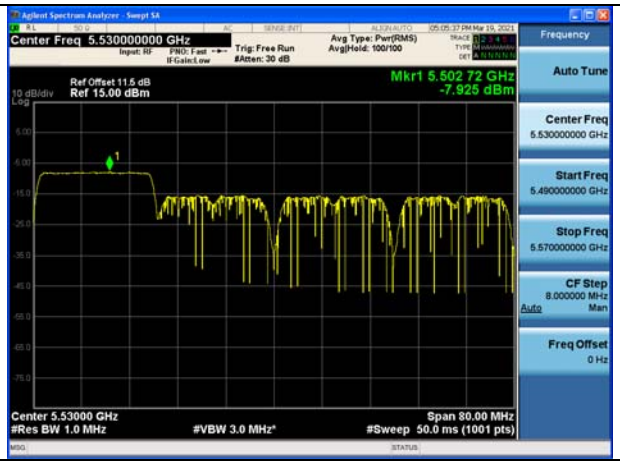
Test Mode:802. 11ax HE80 Ant7



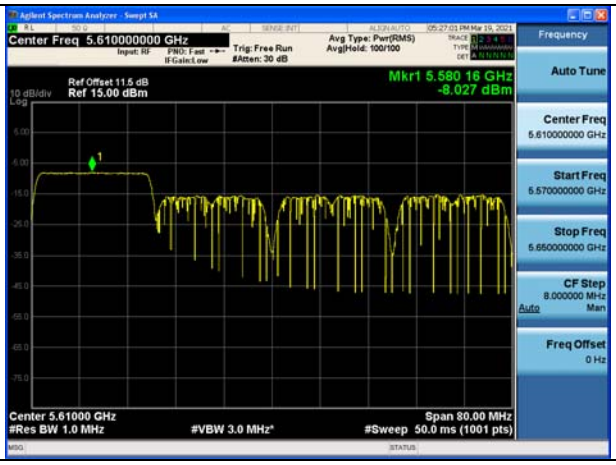
Test Mode:802. 11ax HE80 Ant7



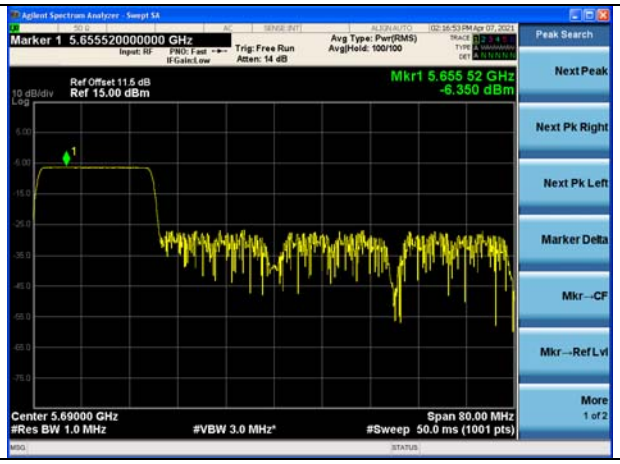
Test Mode:802. 11ax HE80 Ant8



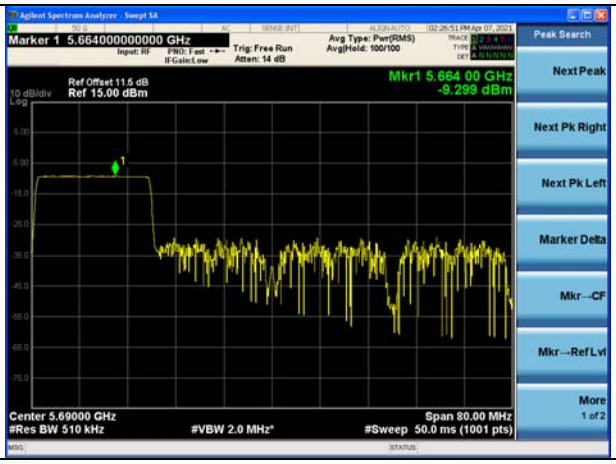
Test Mode:802. 11ax HE80 Ant8



Test Mode:802. 11ax HE80 Ant8



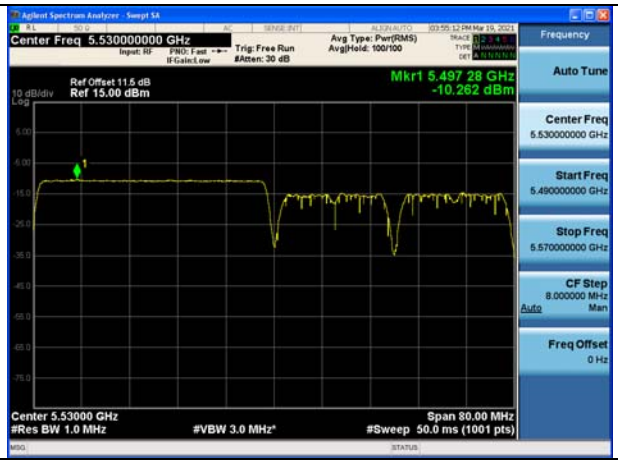
Test Mode:802. 11ax HE80 Ant8



Test Mode:802.11ax HE80(484T)

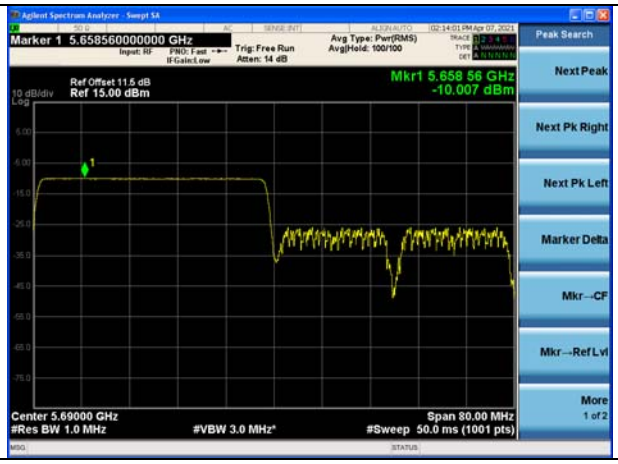
Carrier frequency (MHz)	Correction Factor(dB)	Ant	Limit (dBm)	Power Density (dBm)
5530	0.02	Ant7	11dBm/MHz	-10.242
		Ant8		-10.987
		Ant7+Ant8		-7.588
5610		Ant7		-10.695
		Ant8		-11.020
		Ant7+Ant8		-7.844
5690		Ant7		-9.987
		Ant8		-9.356
		Ant7+Ant8		-6.650
5690		Ant7	30dBm/500kHz	-12.795
		Ant8		-12.279
		Ant7+Ant8		-9.519

Test Mode:802. 11ax HE80 Ant7



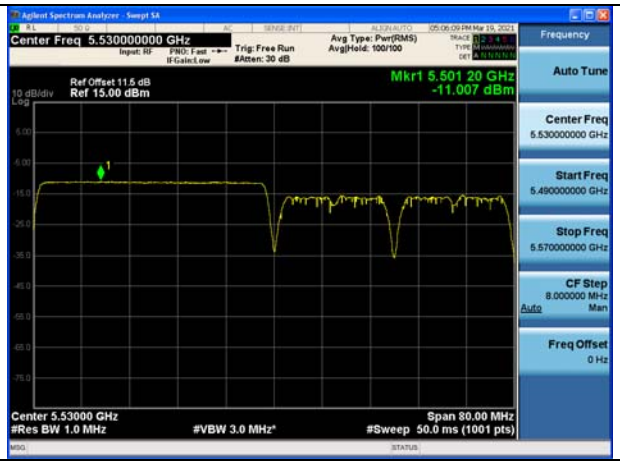
Test Mode:802. 11ax HE80 Ant7

Test Mode:802. 11ax HE80 Ant7

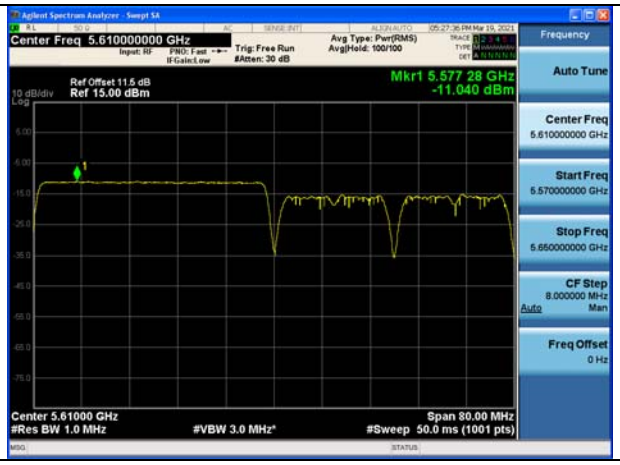


Test Mode:802. 11ax HE80 Ant7

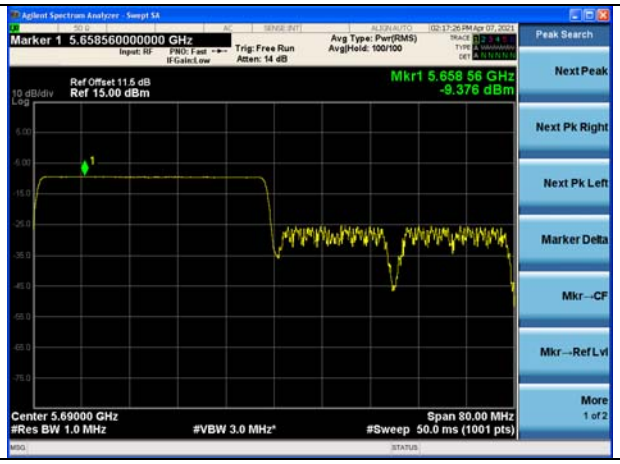
Test Mode:802. 11ax HE80 Ant8



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
5610		Ant7		-8.578
		Ant8		-8.316
		Ant7+Ant8		-5.435
5690		Ant7		-8.744
		Ant8		-8.328
		Ant7+Ant8		-5.521
5690		Ant7	30dBm/500kHz	-11.668
		Ant8		-11.219
		Ant7+Ant8		-8.427

Test Mode:802. 11ax HE80 Ant7

Test Mode:802. 11ax HE80 Ant7

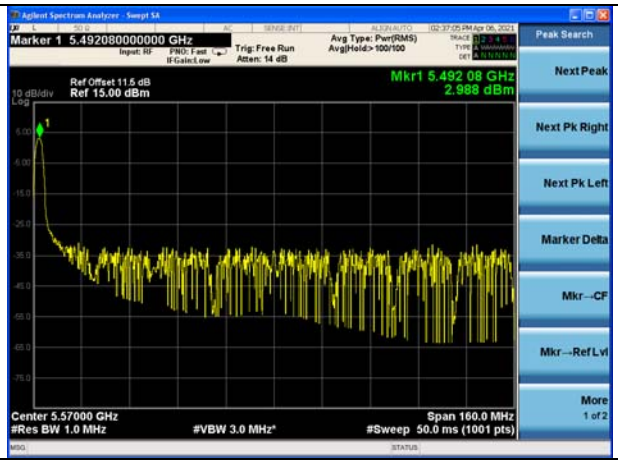
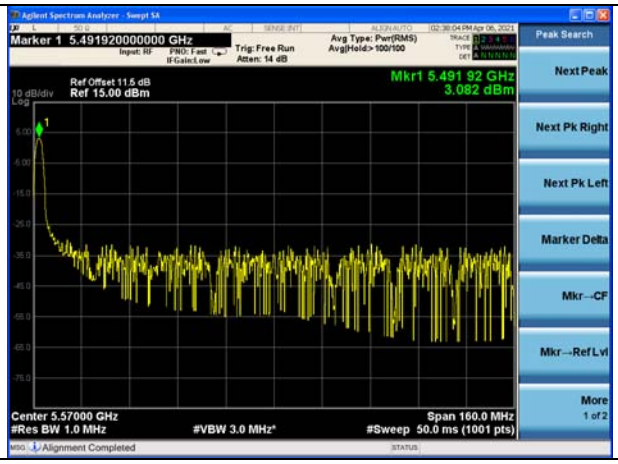
Test Mode:802. 11ax HE80 Ant7

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

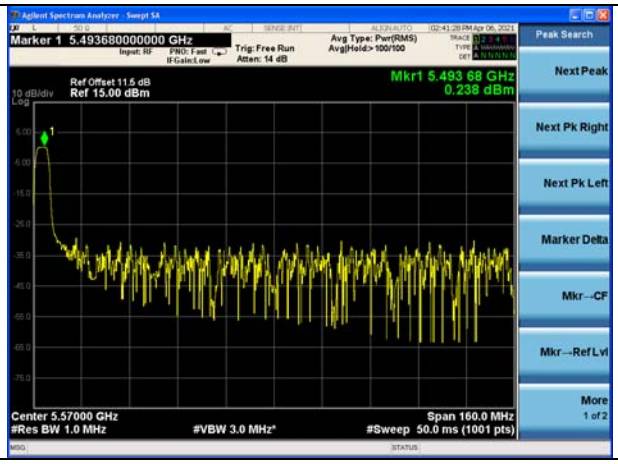
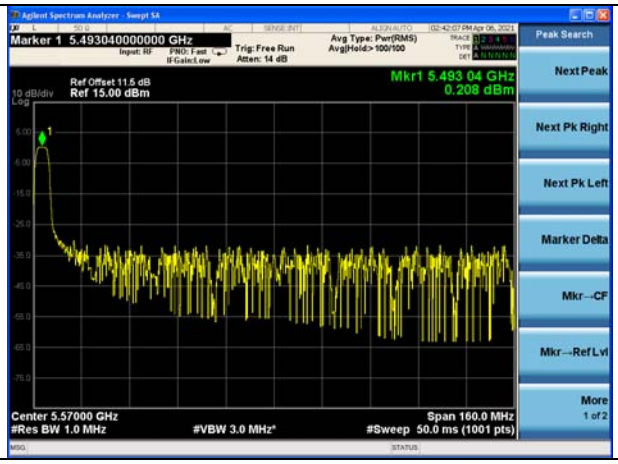
Test Mode:802.11ax HE160(26T)

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
	

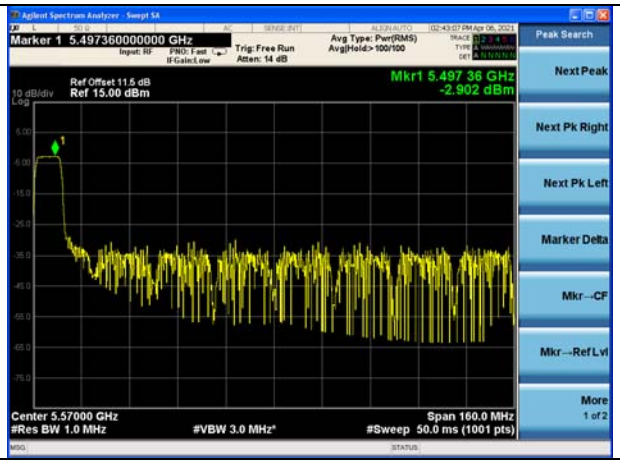
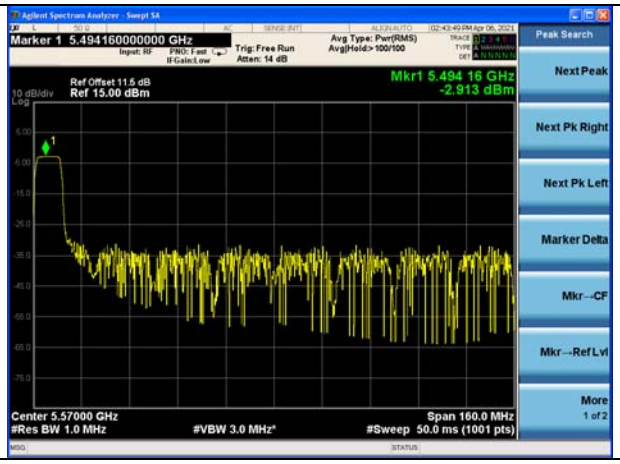
Test Mode:802.11ax HE160(52T)

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
	

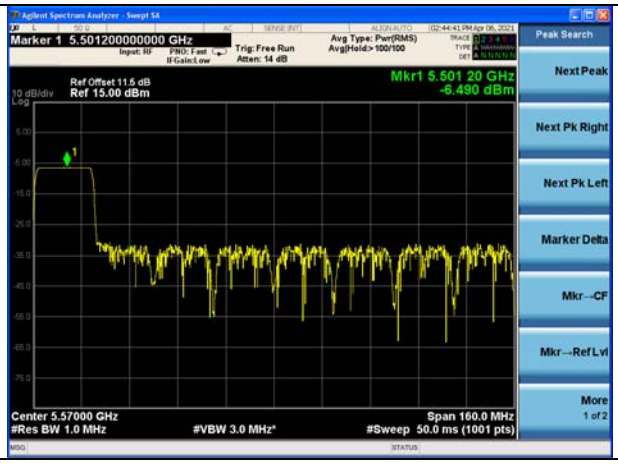
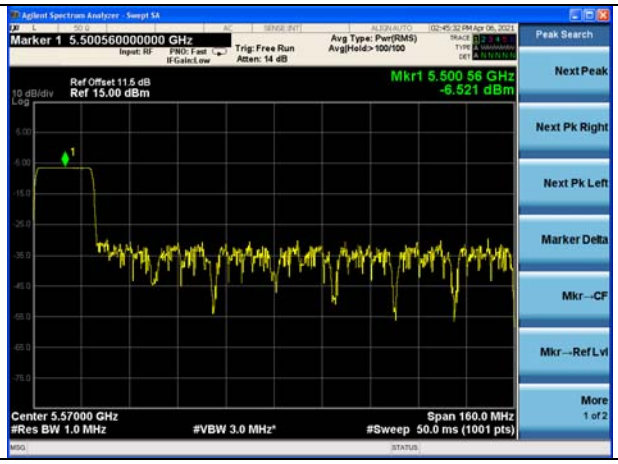
Test Mode:802.11ax HE160(106T)

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
	

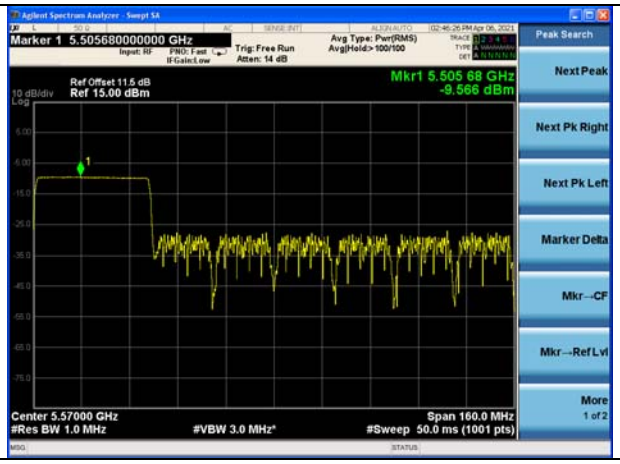
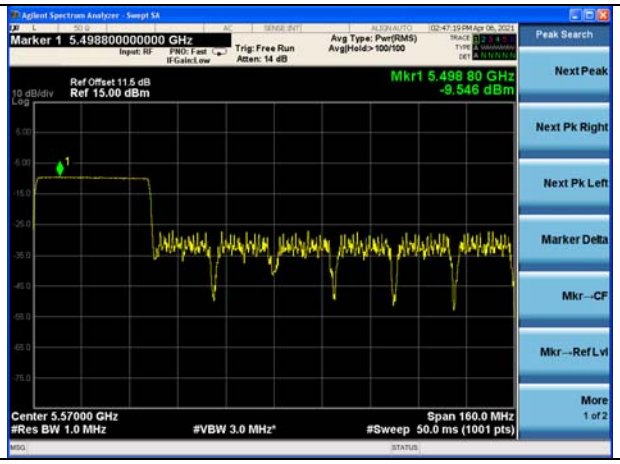
Test Mode:802.11ax HE160(242T)

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
		Ant8	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

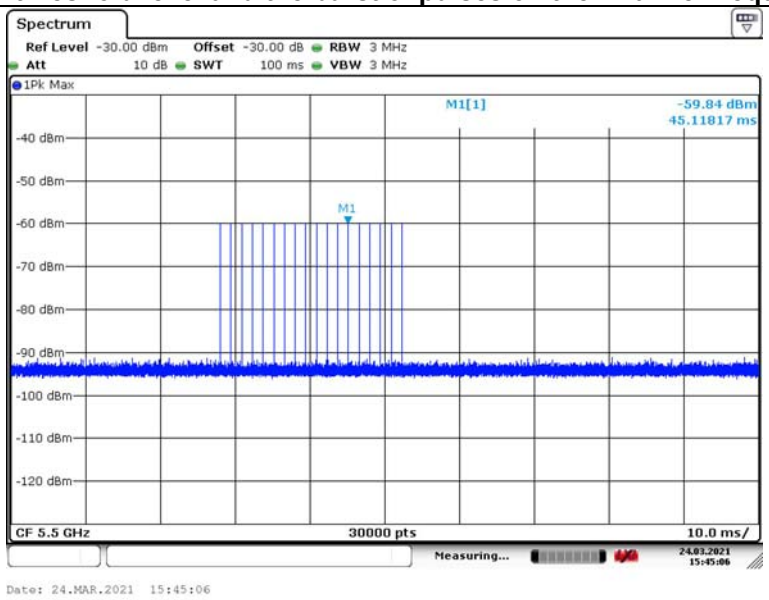
DESCRIPTION OF Master Device

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

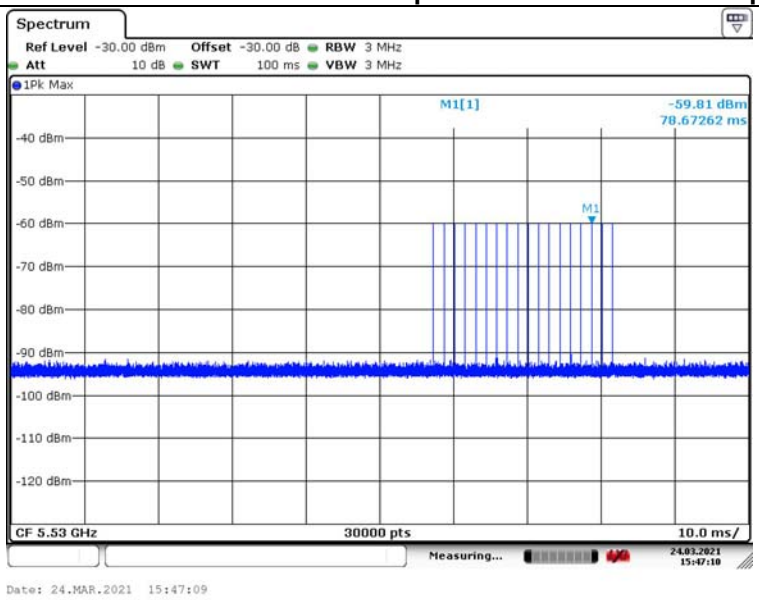
<20MHz / 5500 MHz> Radar Type 0

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

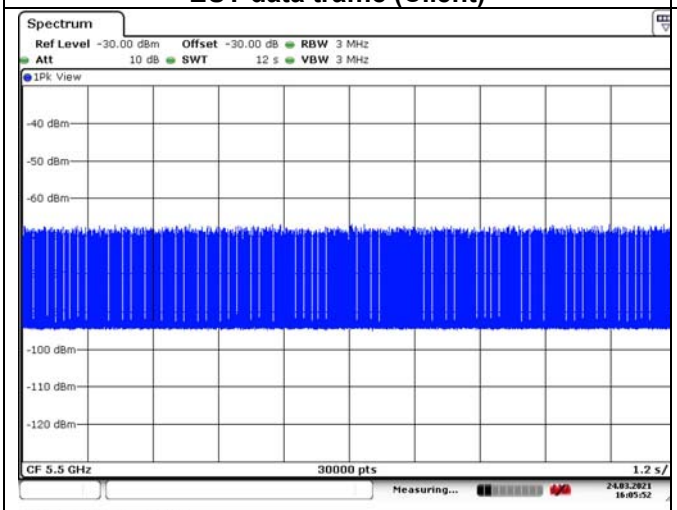
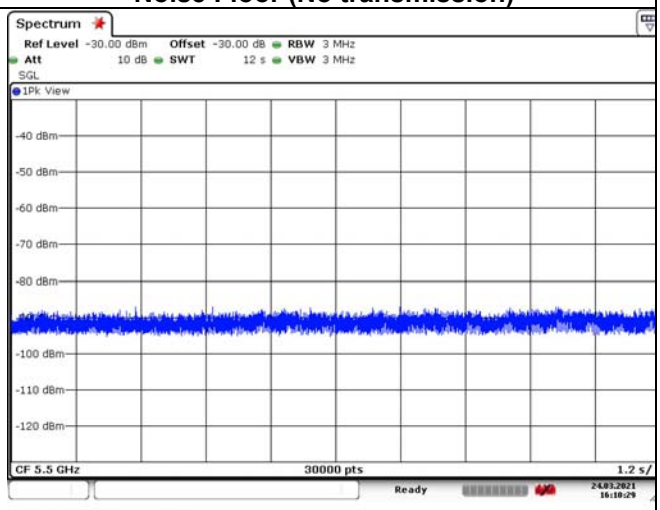
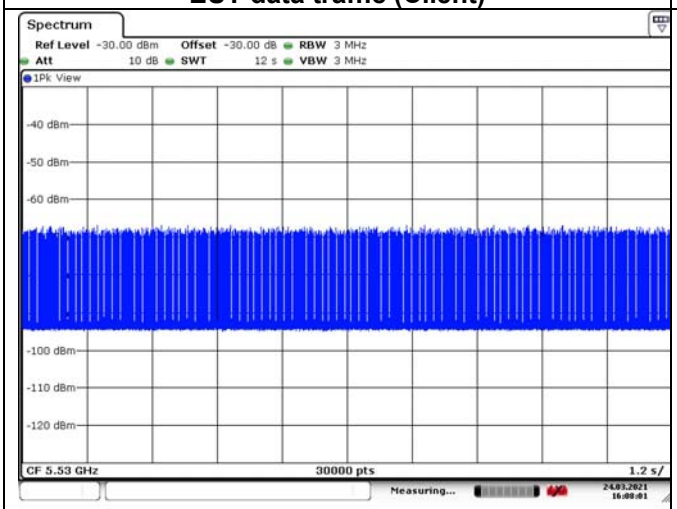
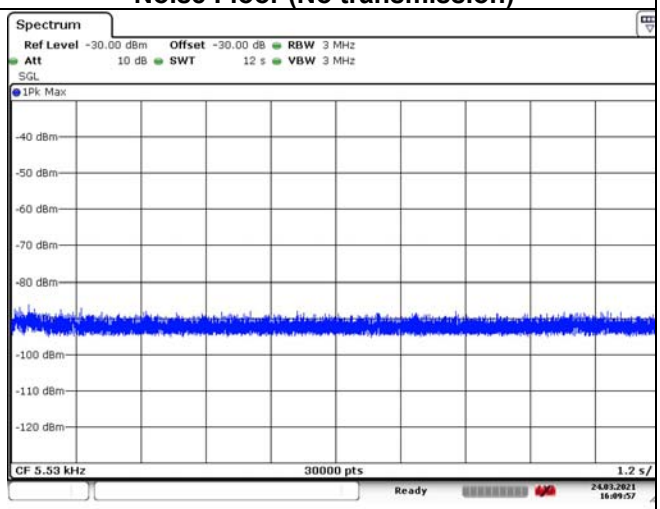


<80MHz / 5530 MHz> Radar Type 0

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



Data Traffic and Noise Floor Plots

<20MHz / 5500 MHz> EUT data traffic (Client)	<20MHz / 5500 MHz> Noise Floor (No transmission)
	
<80MHz / 5530 MHz> EUT data traffic (Client)	**<80MHz / 5530 MHz> Noise Floor (No transmission)**
	

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.