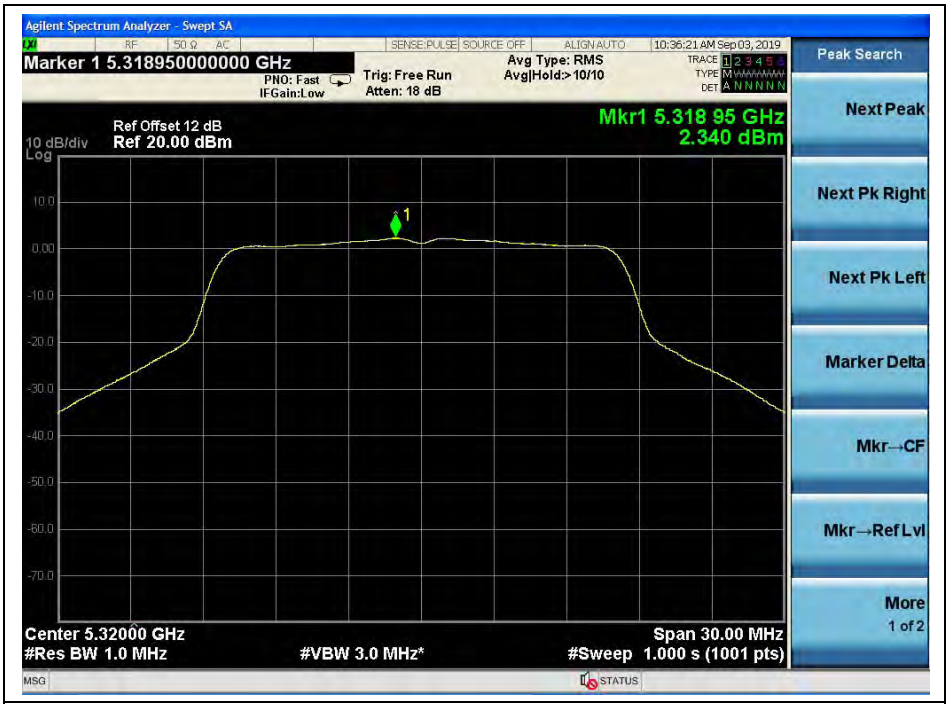
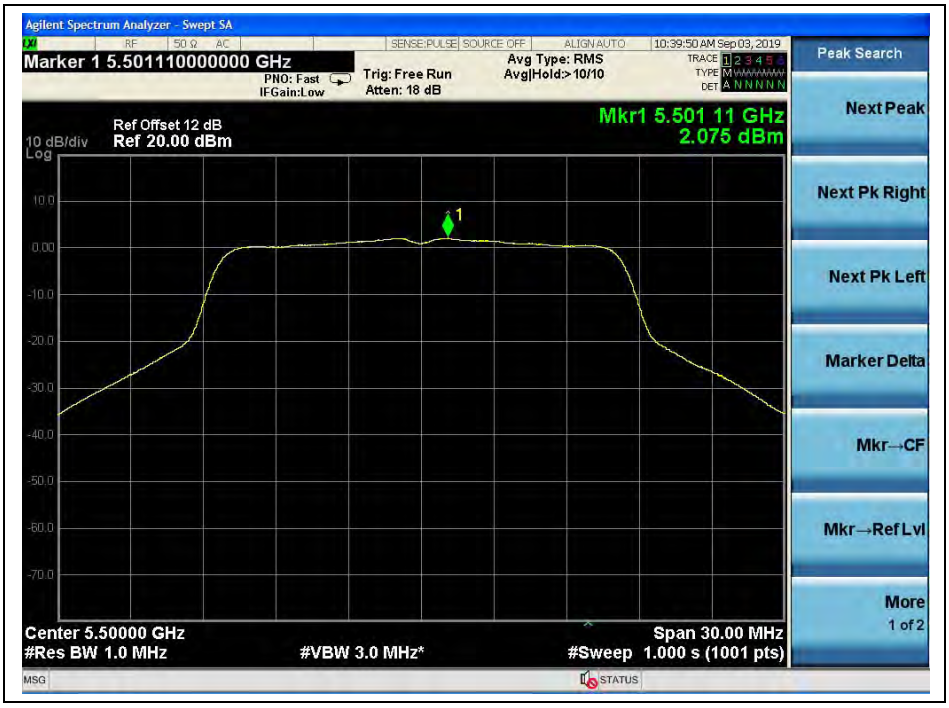
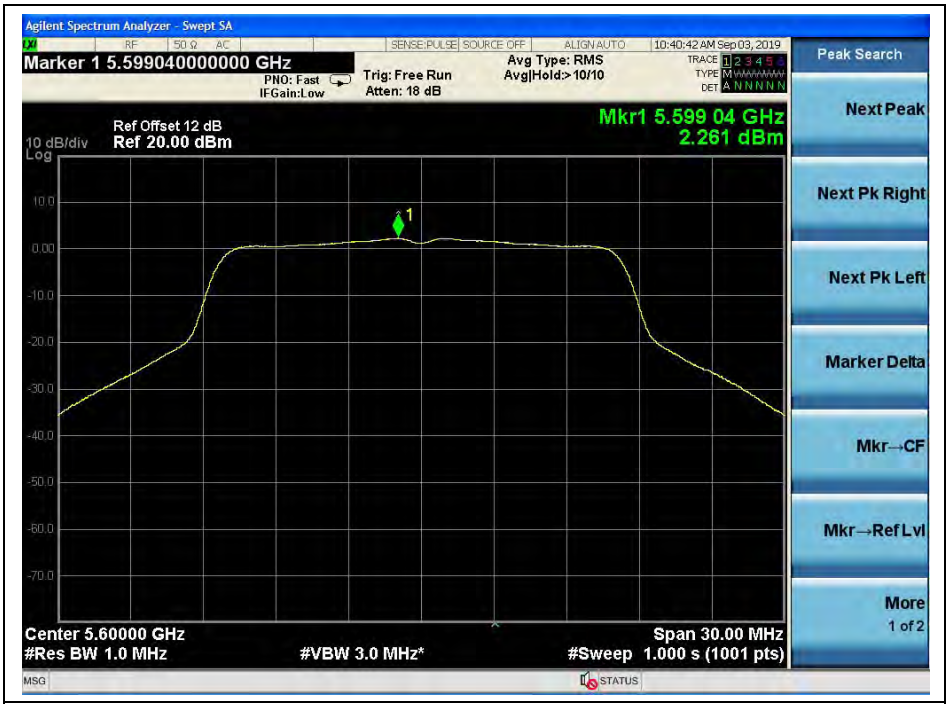


(Channel 64, 5320MHz, 802.11a, ANT 0)

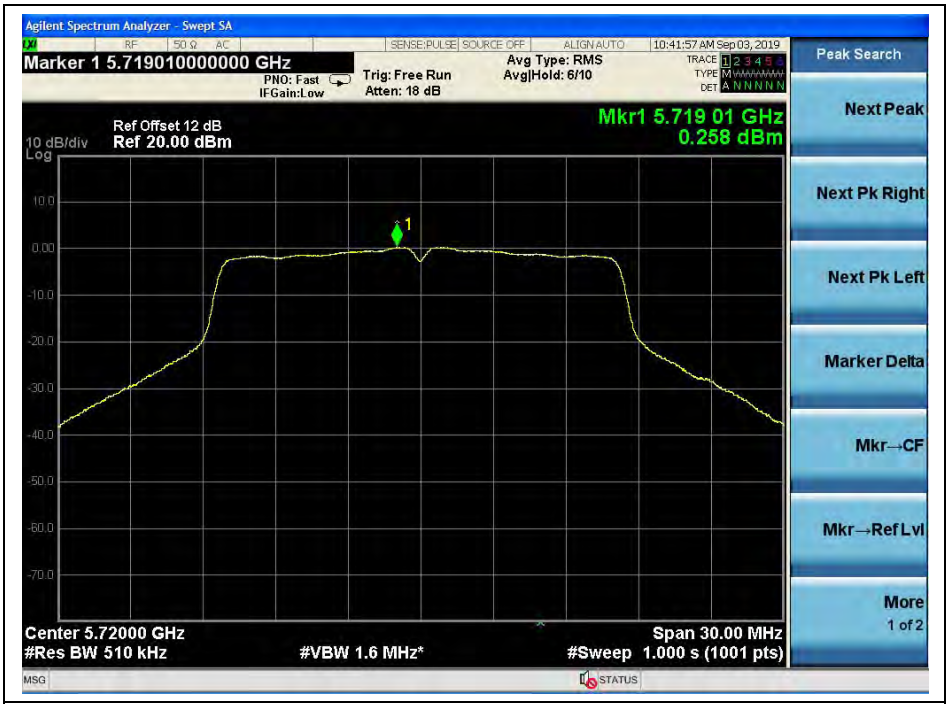


(Channel 100, 5500MHz, 802.11a, ANT 0)

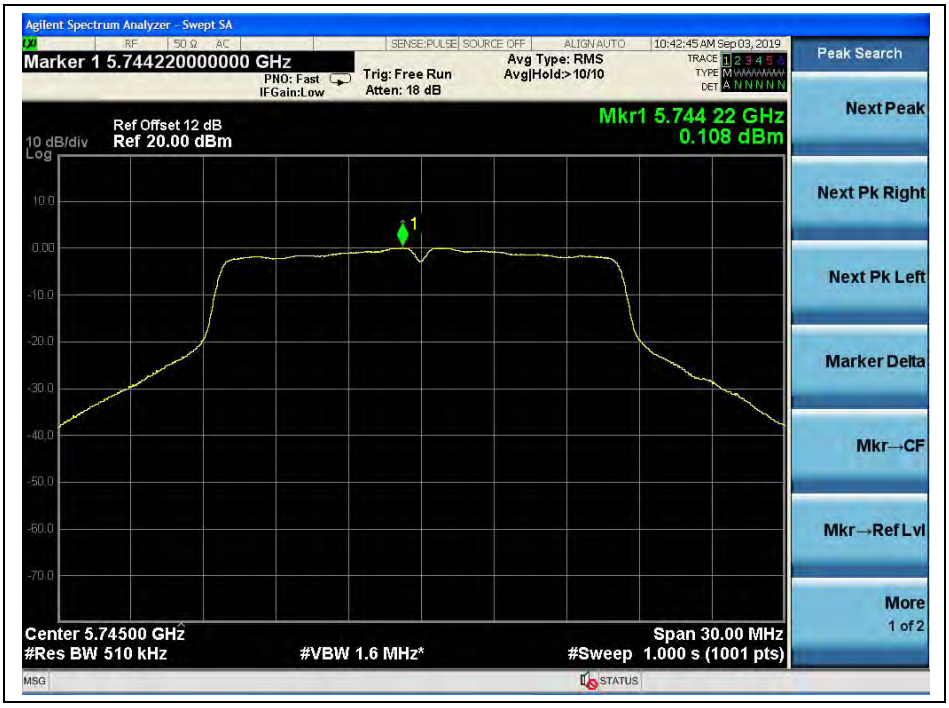


(Channel 120, 5600 MHz, 802.11a, ANT 0)

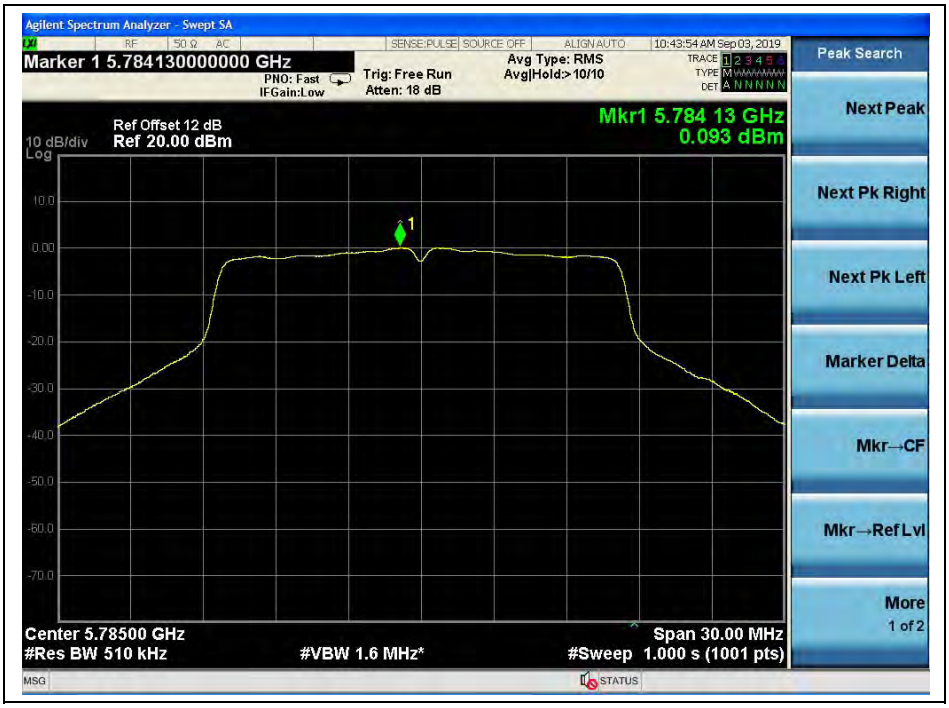
(Channel 144, 5720MHz, 802.11a, ANT 0)



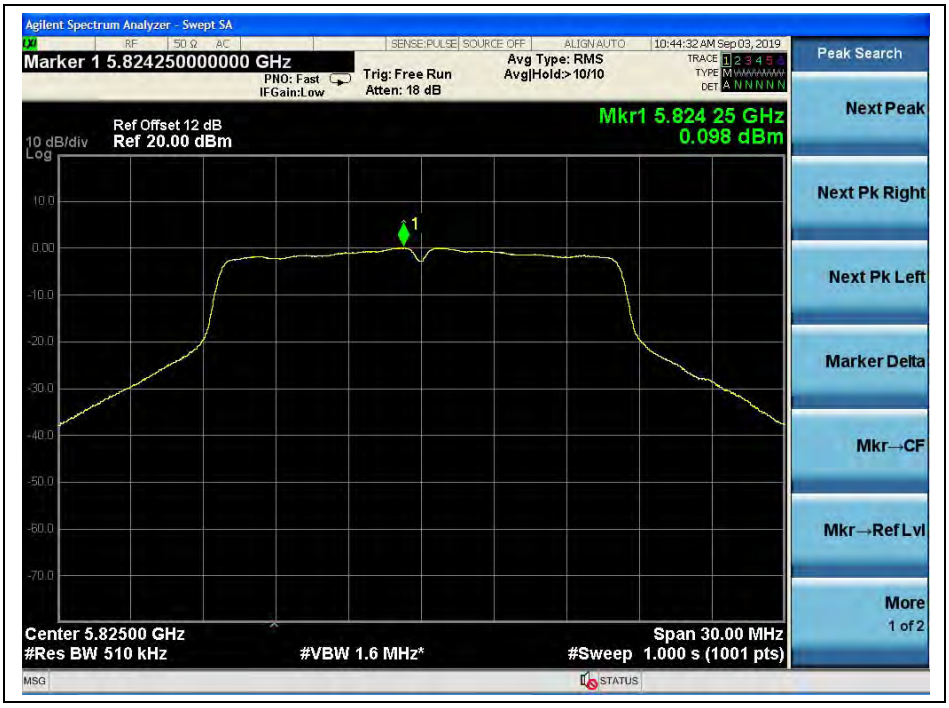
(Channel 144, 5720MHz, 802.11a, ANT 0)



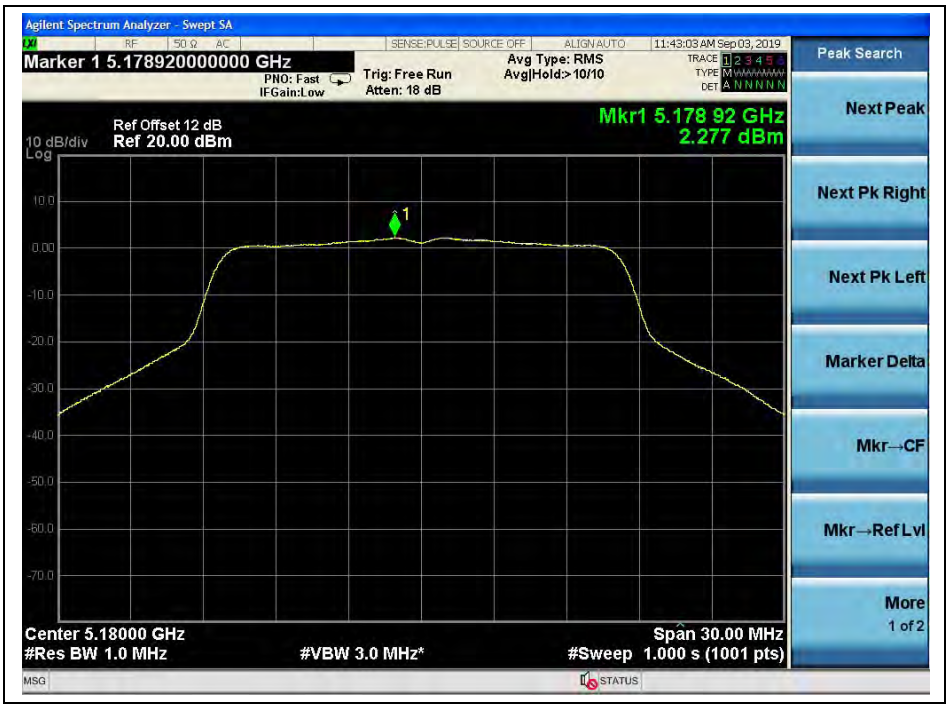
(Channel 149, 5745MHz, 802.11a, ANT 0)



(Channel 157, 5785MHz, 802.11a, ANT 0)

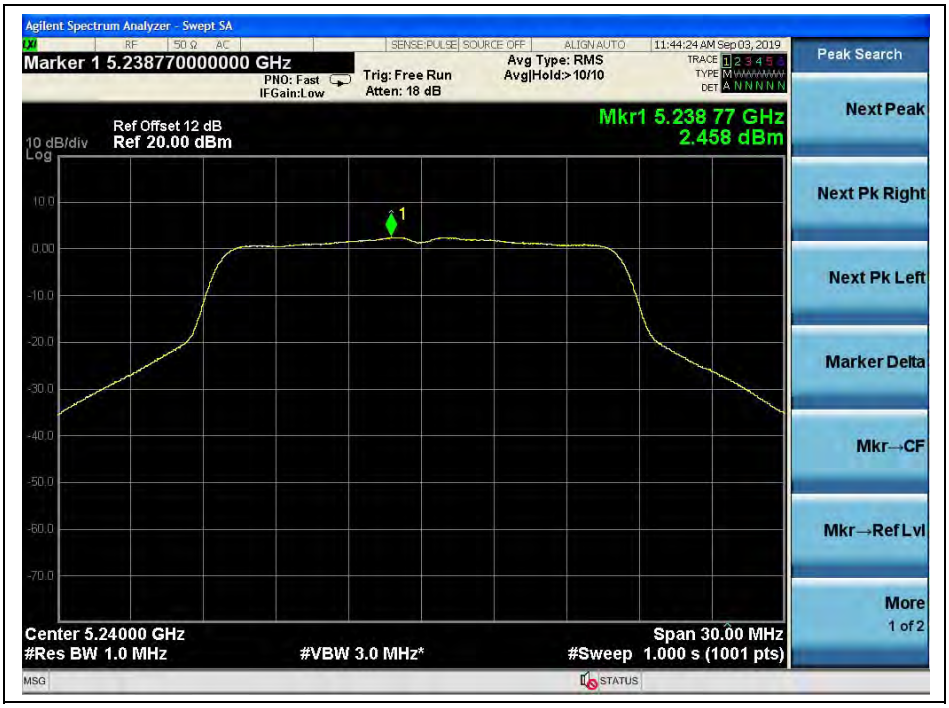


(Channel 165, 5825MHz, 802.11a, ANT 0)



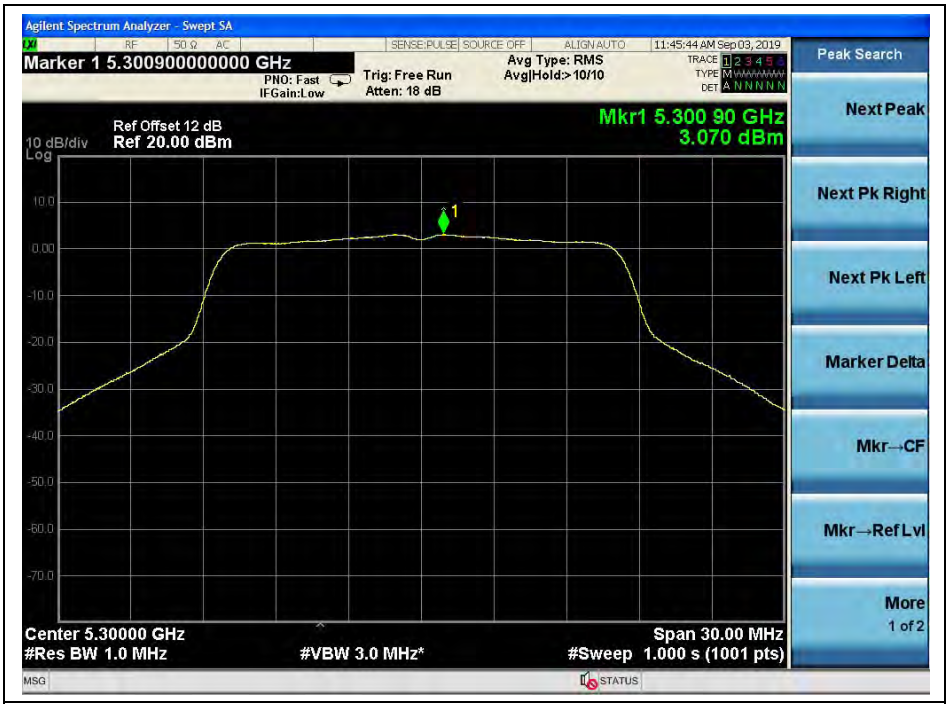
(Channel 36, 5180MHz, 802.11a, ANT 1)

(Channel 44, 5220 MHz, 802.11a, ANT 1)



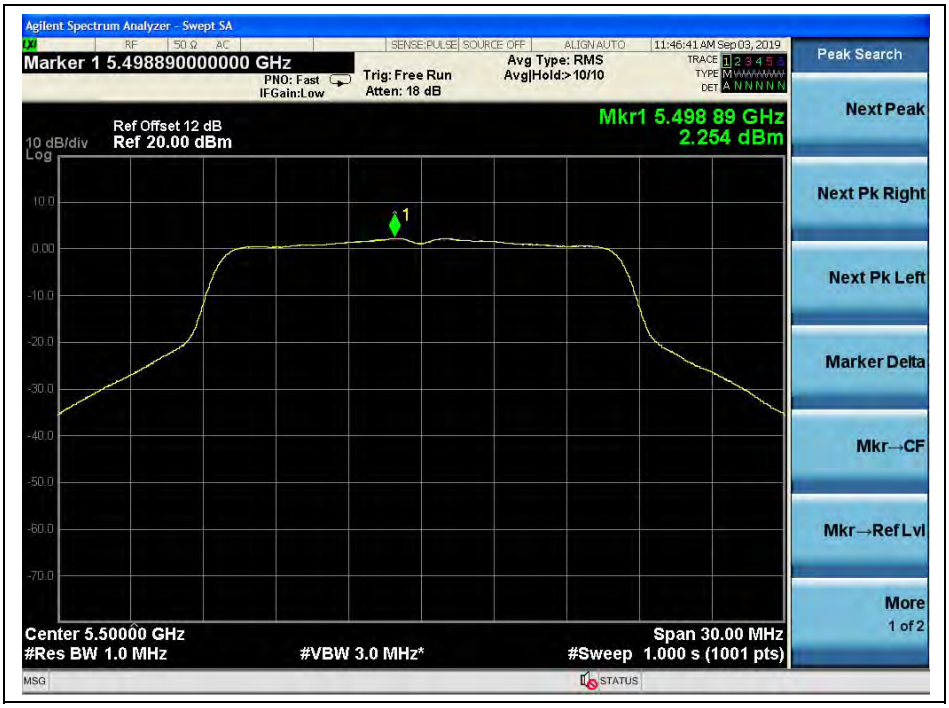
(Channel 48, 5240MHz, 802.11a, ANT 1)

(Channel 52, 5260MHz, 802.11a, ANT 1)

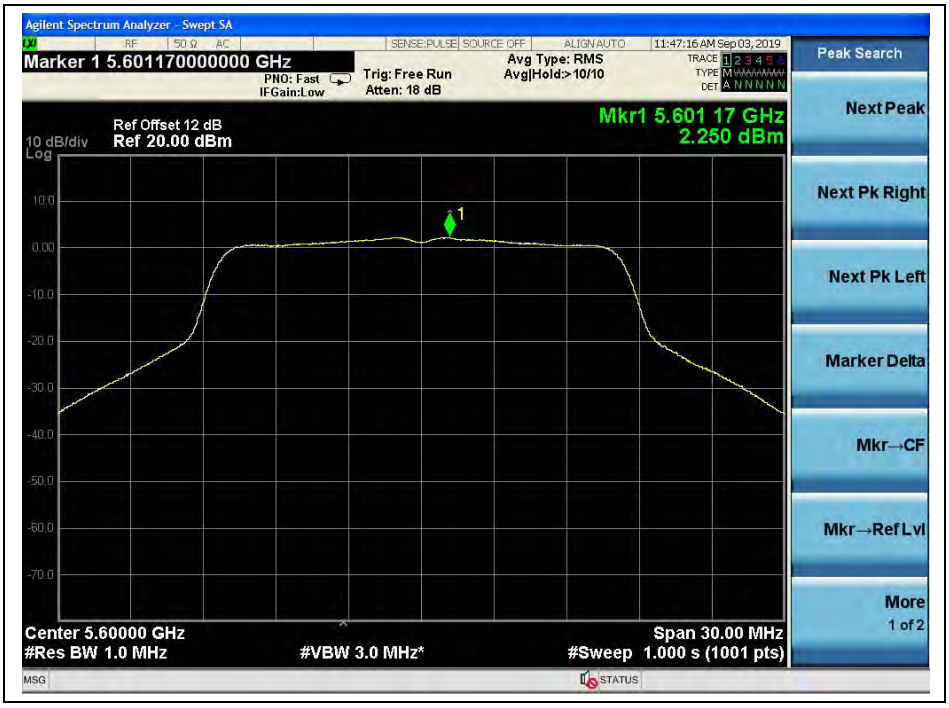


(Channel 60, 5300 MHz, 802.11a, ANT 1)

(Channel 64, 5320MHz, 802.11a, ANT 1)

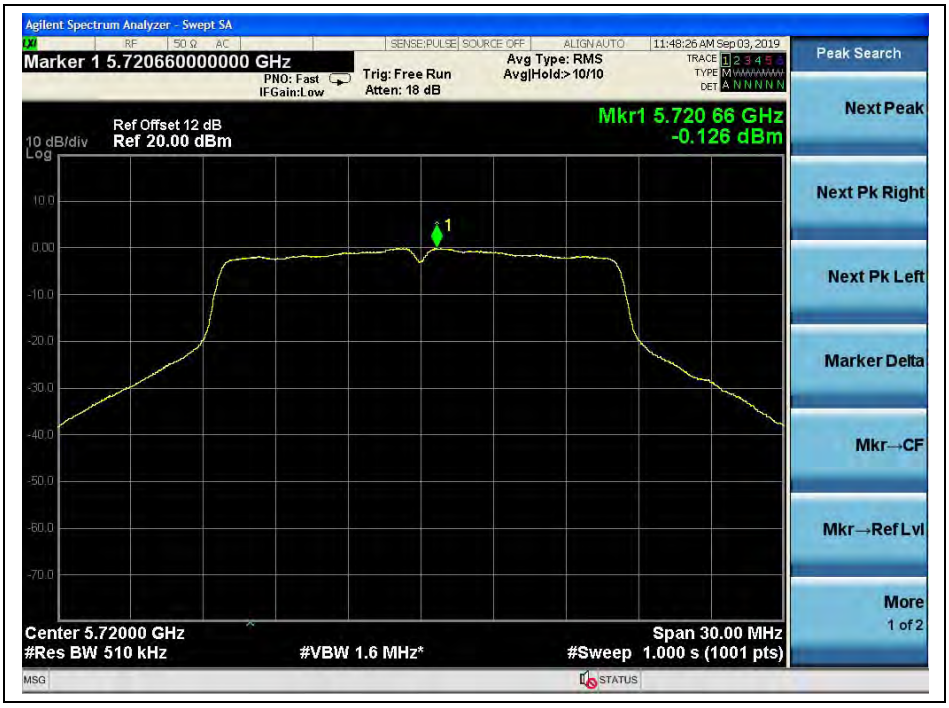


(Channel 100, 5500MHz, 802.11a, ANT 1)

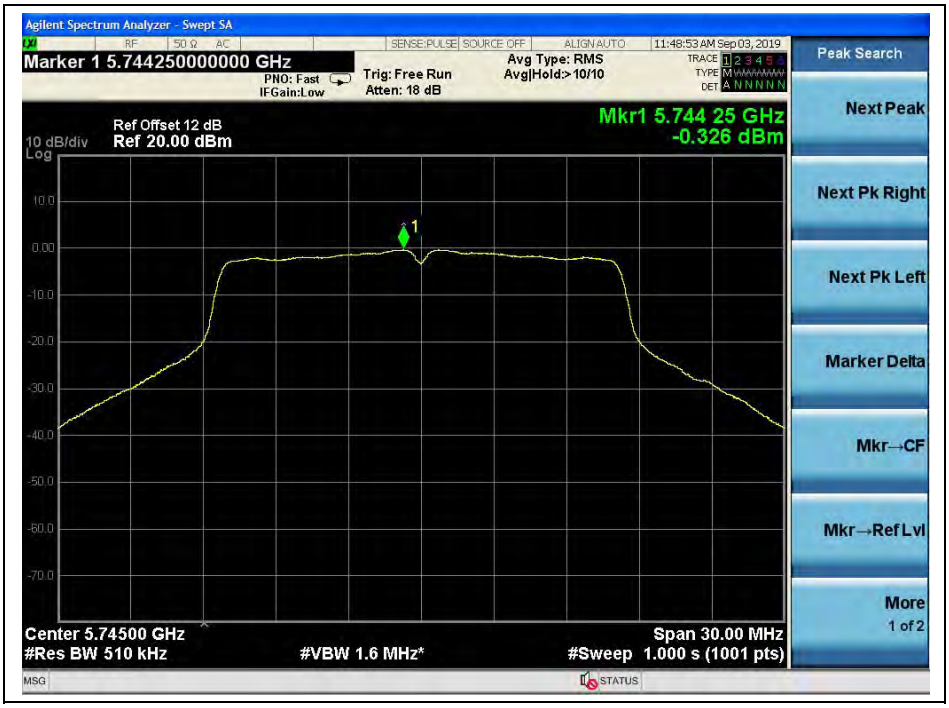


(Channel 120, 5600 MHz, 802.11a, ANT 1)

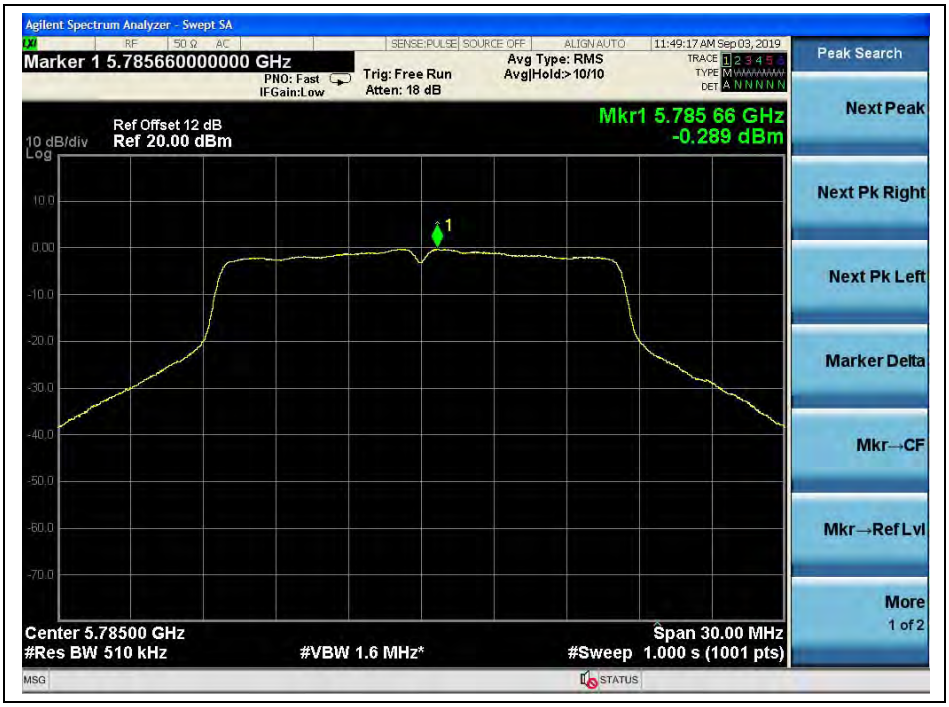
(Channel 144, 5720MHz, 802.11a, ANT 1)



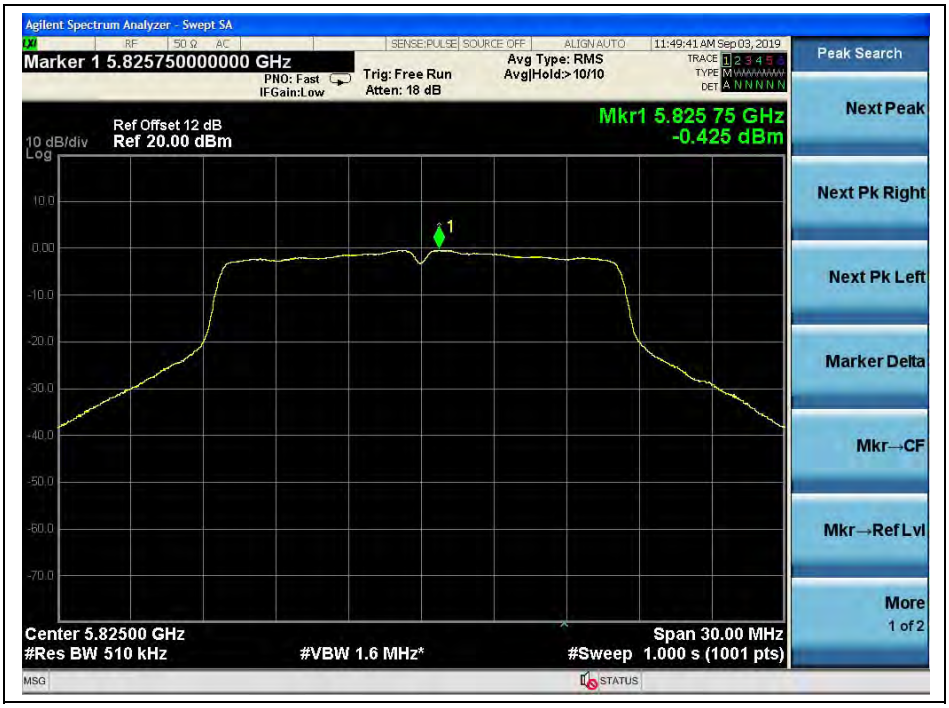
(Channel 144, 5720MHz, 802.11a, ANT 1)



(Channel 149, 5745MHz, 802.11a, ANT 1)



(Channel 157, 5785MHz, 802.11a, ANT 1)



(Channel 165, 5825MHz, 802.11a, ANT 1)

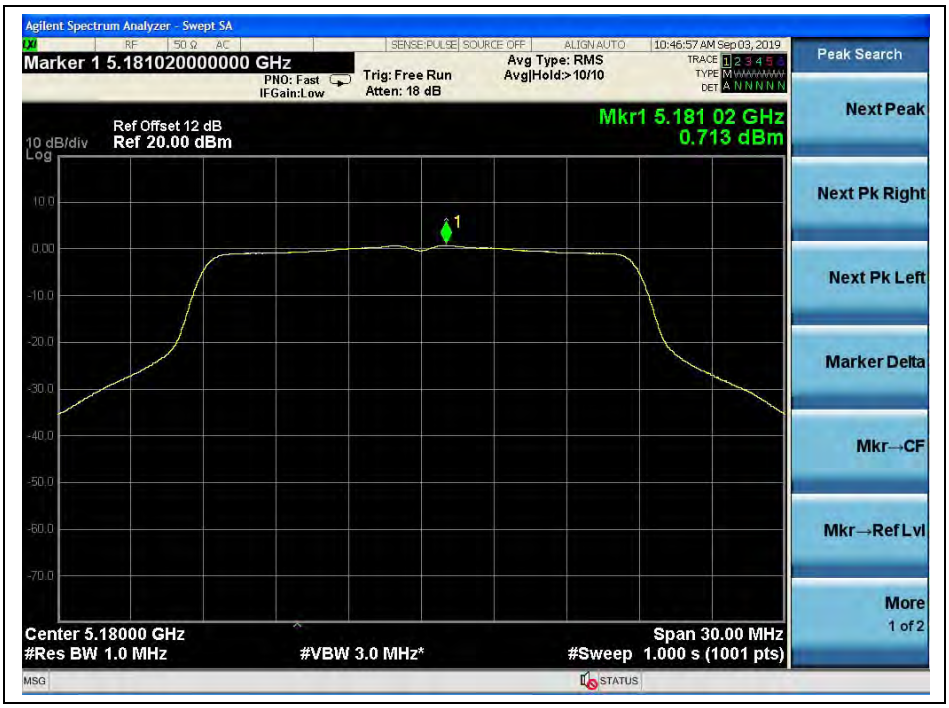
802.11n (HT20) Test mode

A. Test Verdict:

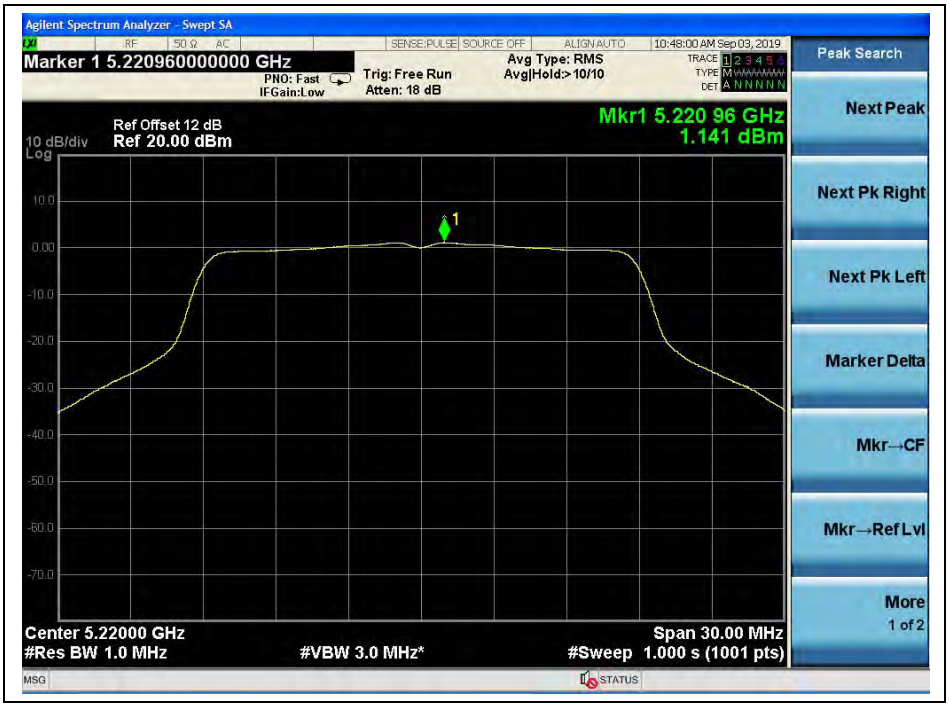
Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)		Tatal PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
		ANT 0	ANT 1			
36	5180	0.71	1.80	4.30	11	PASS
44	5220	1.14	2.13	4.67		
48	5240	0.90	2.04	4.52		
52	5260	1.13	2.18	4.70		
60	5300	1.34	2.49	4.96		
64	5320	1.43	2.55	5.04		
100	5500	1.20	1.72	4.48		
116	5600	1.57	1.74	4.67		
144	5720	2.25	1.99	5.13		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)		Tatal PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
		ANT 0	ANT 1			
144	5720	-0.48	-0.77	2.39	30	PASS
149	5745	-0.62	-0.97	2.22		
157	5785	-0.59	-0.90	2.27		
165	5825	-0.52	-1.11	2.21		

Note: Directional gain = 1.5dBi +10log(2) = 4.51dBi＜6dBi, so the limit shall be 11 dBm/MHz for 5.18-5.24 GHz, 5.260-5.320 GHz, 5.500-5.720 GHz band and 30 dBm/500KHz for 5.745-5.825 GHz band.

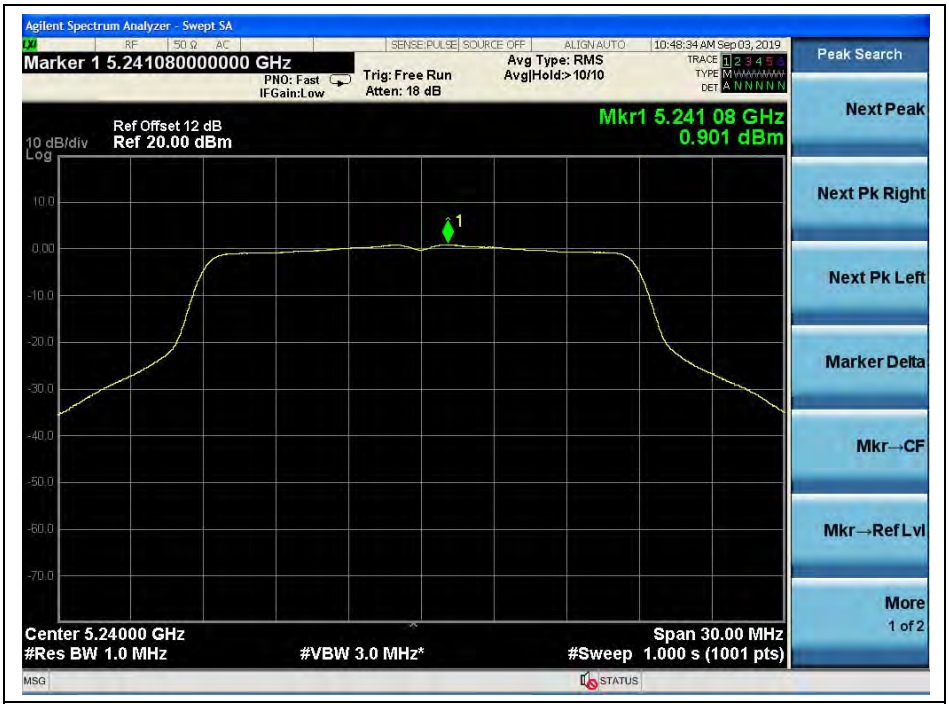
B. Test Plots



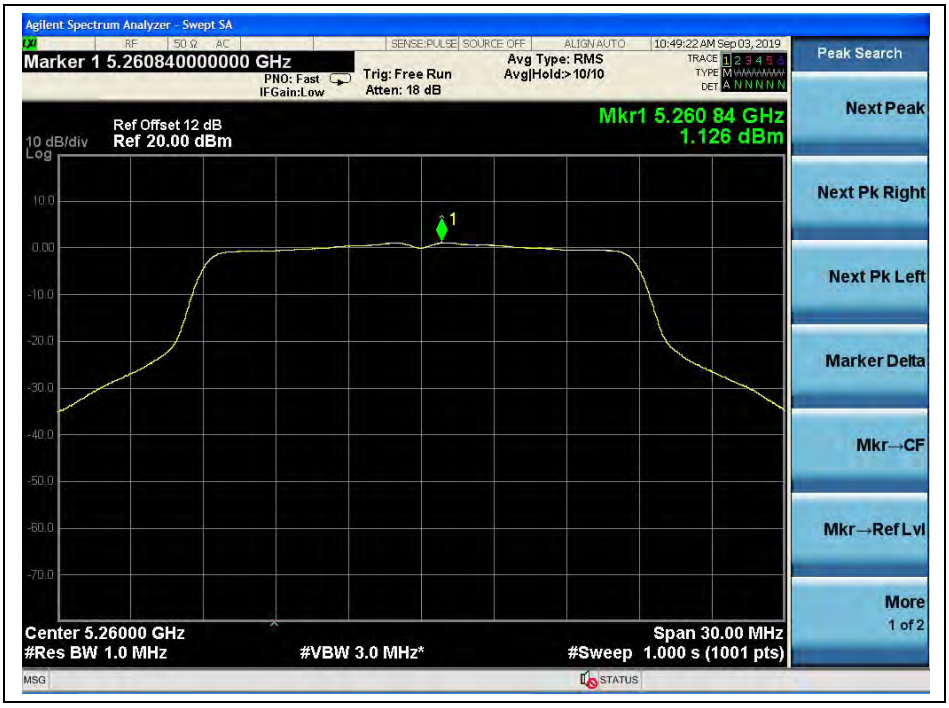
(Channel 36, 5180MHz, 802.11 n (HT20), ANT0)



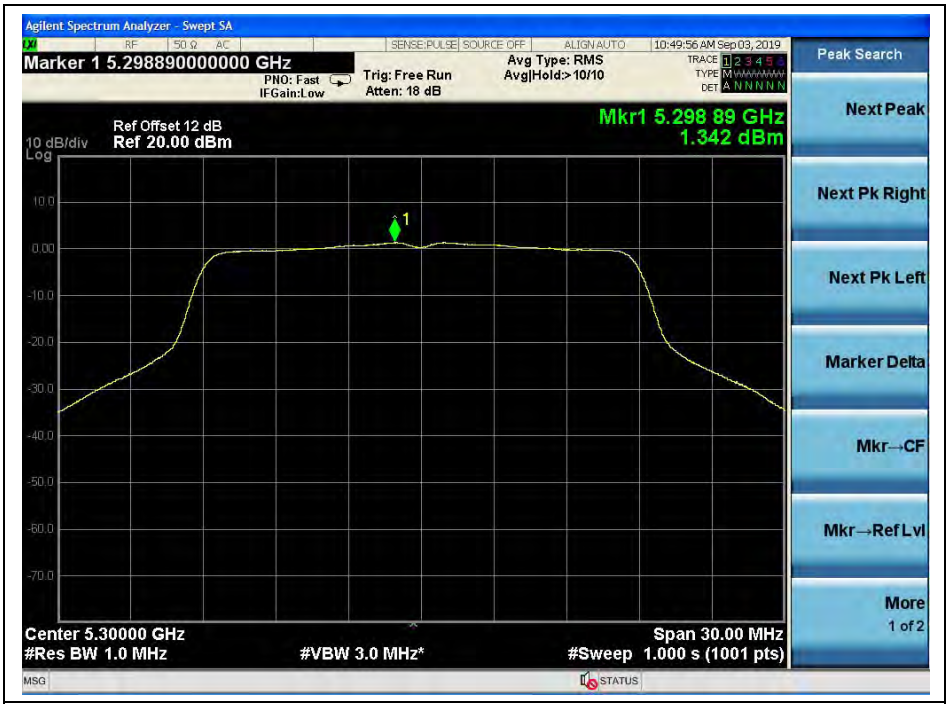
(Channel 44, 5220 MHz, 802.11 n (HT20), ANT0)



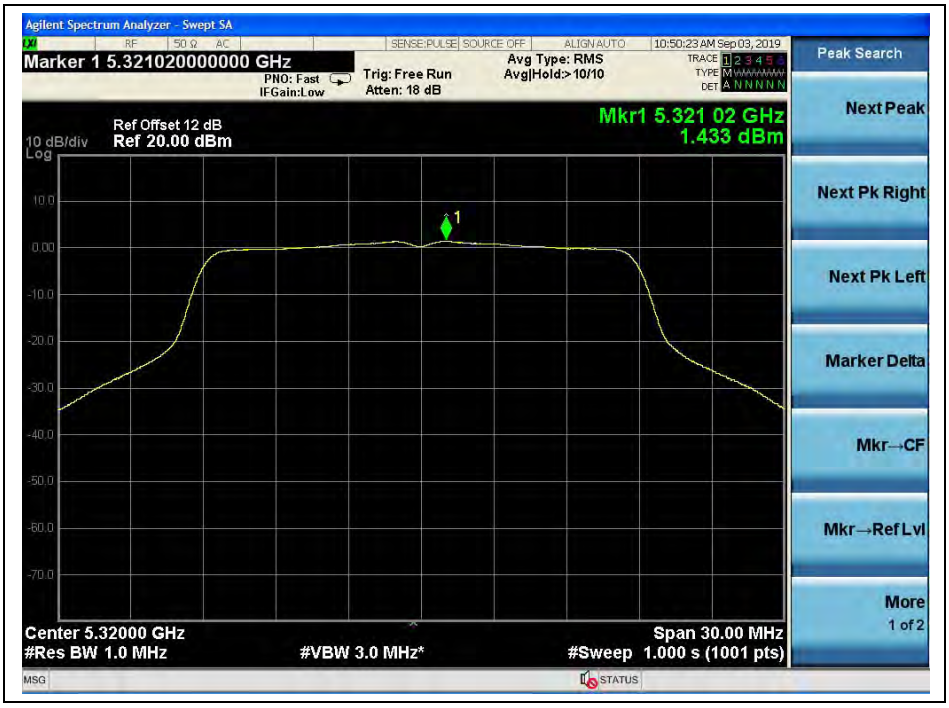
(Channel 48, 5240MHz, 802.11 n (HT20), ANT0)



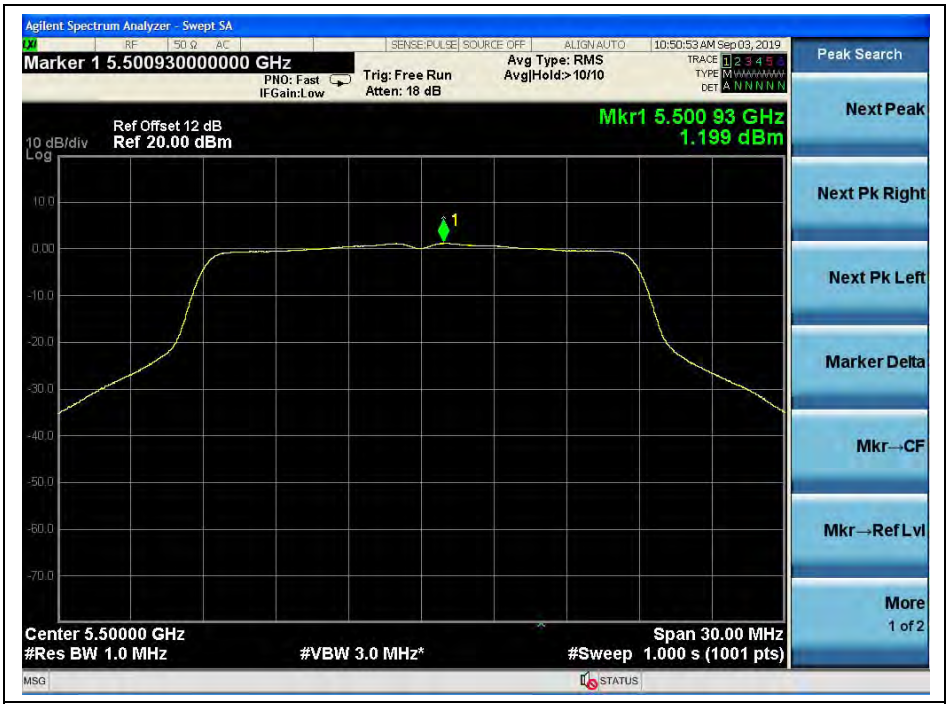
(Channel 52, 5260MHz, 802.11 n (HT20) , ANT0)



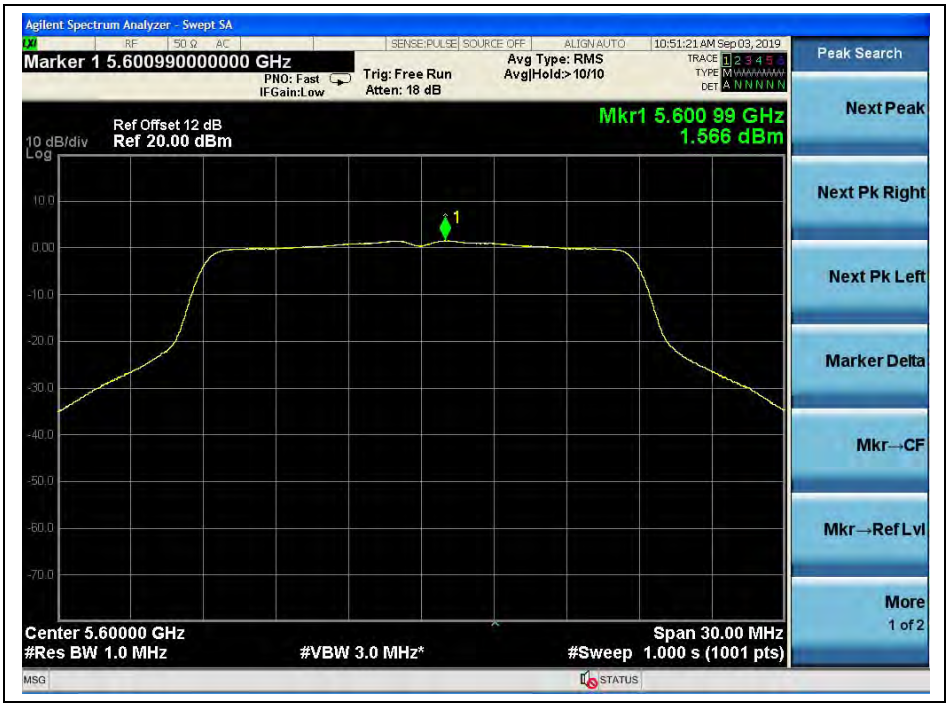
(Channel 60, 5300 MHz, 802.11 n (HT20) , ANT0)



(Channel 64, 5320MHz, 802.11 n (HT20) , ANT0)

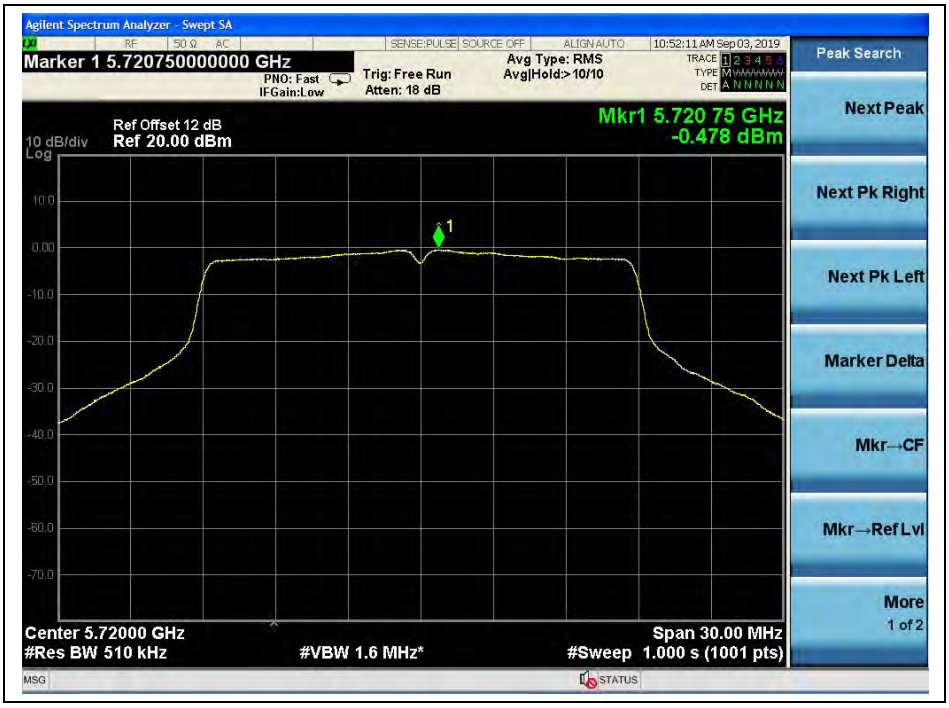


(Channel 100, 5500MHz, 802.11 n (HT20) , ANT0)

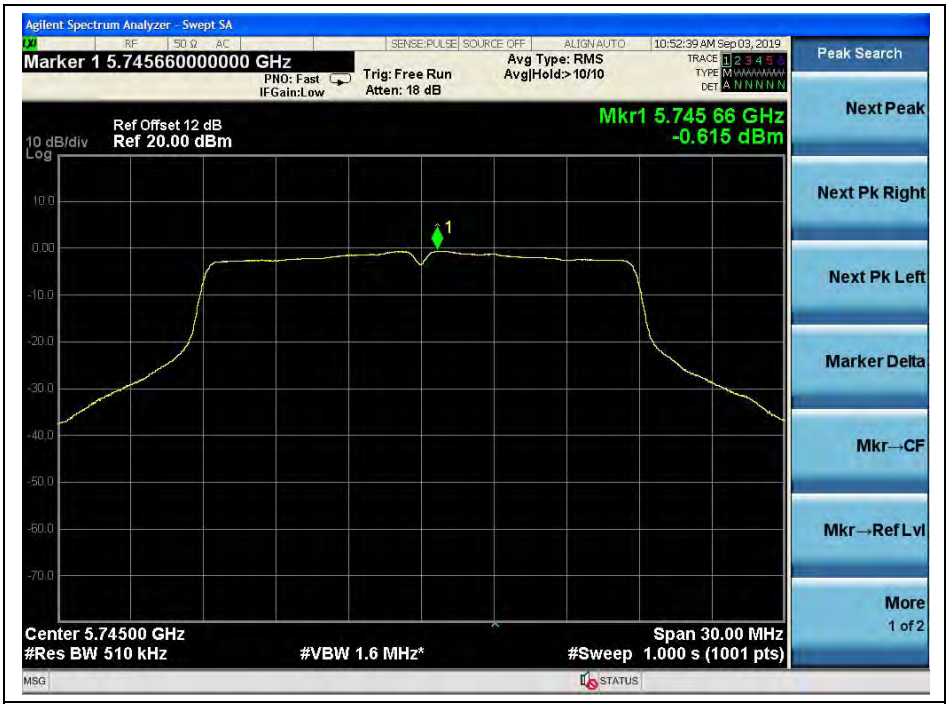


(Channel 120, 5600 MHz, 802.11 n (HT20) , ANT0)

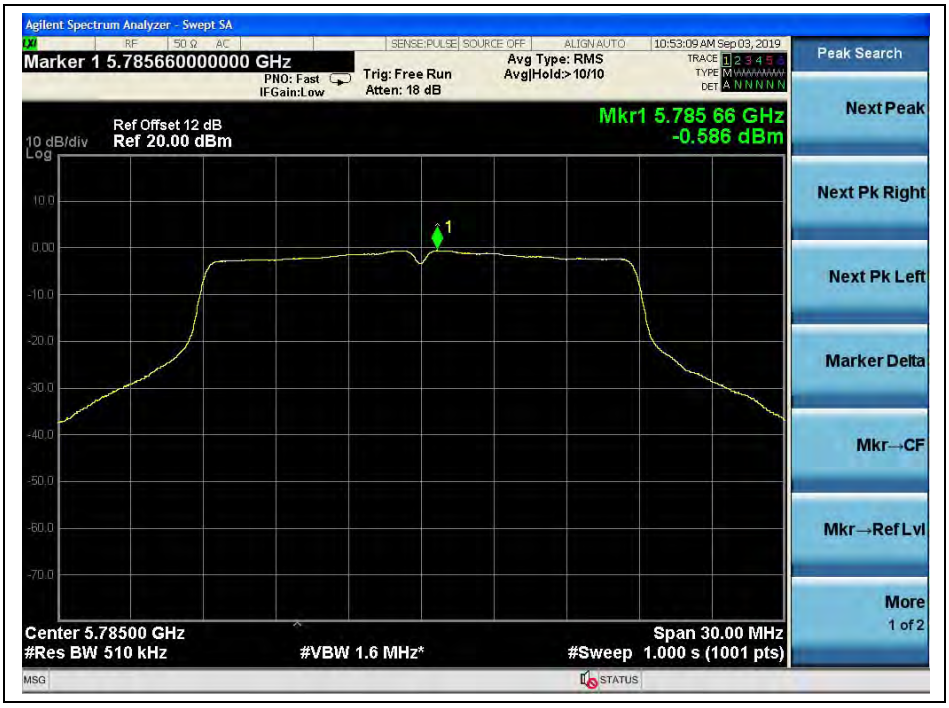
(Channel 144, 5720MHz, 802.11 n (HT20) , ANT0)



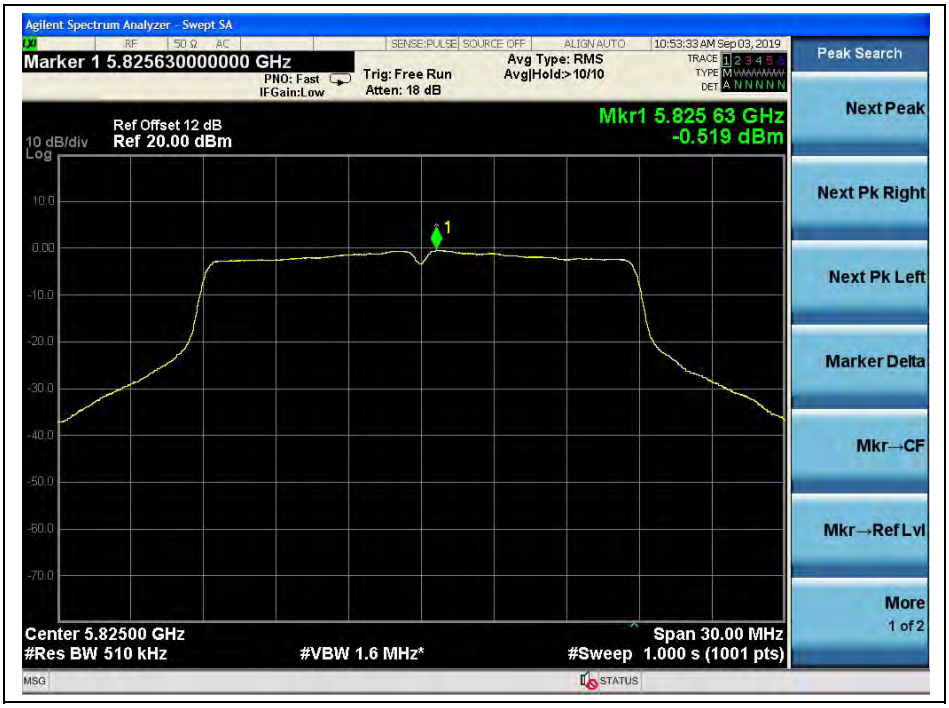
(Channel 144, 5720MHz, 802.11 n (HT20) , ANT0)



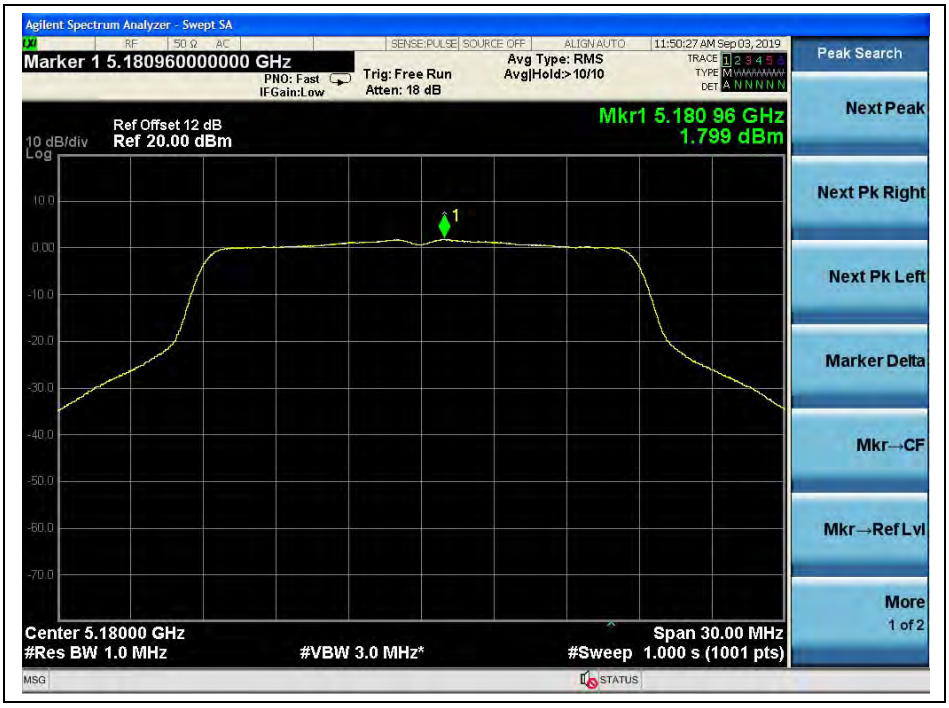
(Channel 149, 5745MHz, 802.11 n (HT20), ANT0)



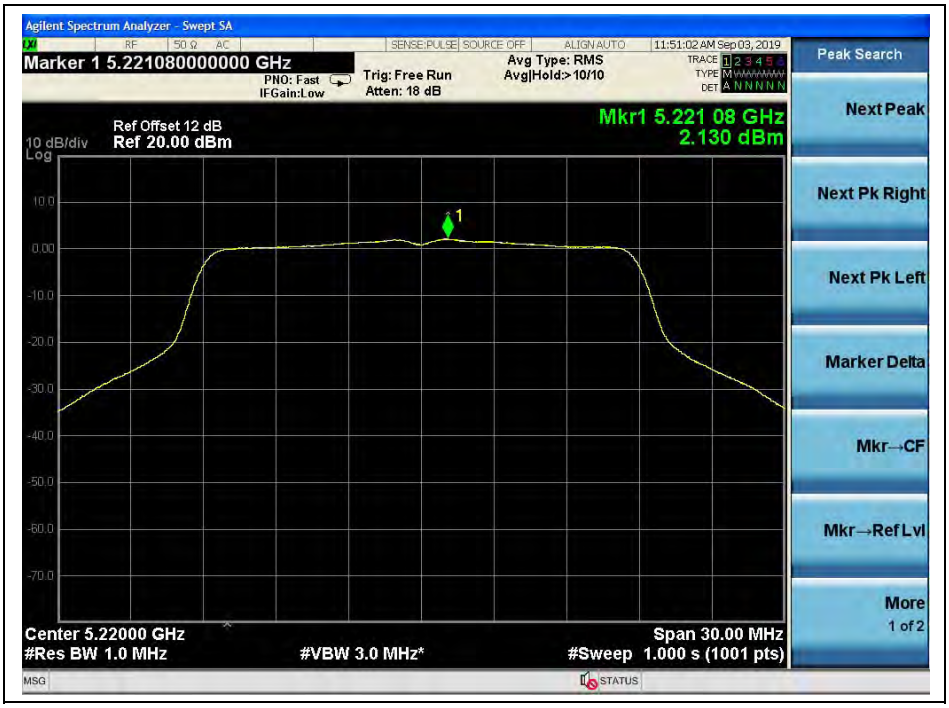
(Channel 157, 5785MHz, 802.11 n (HT20), ANT0)



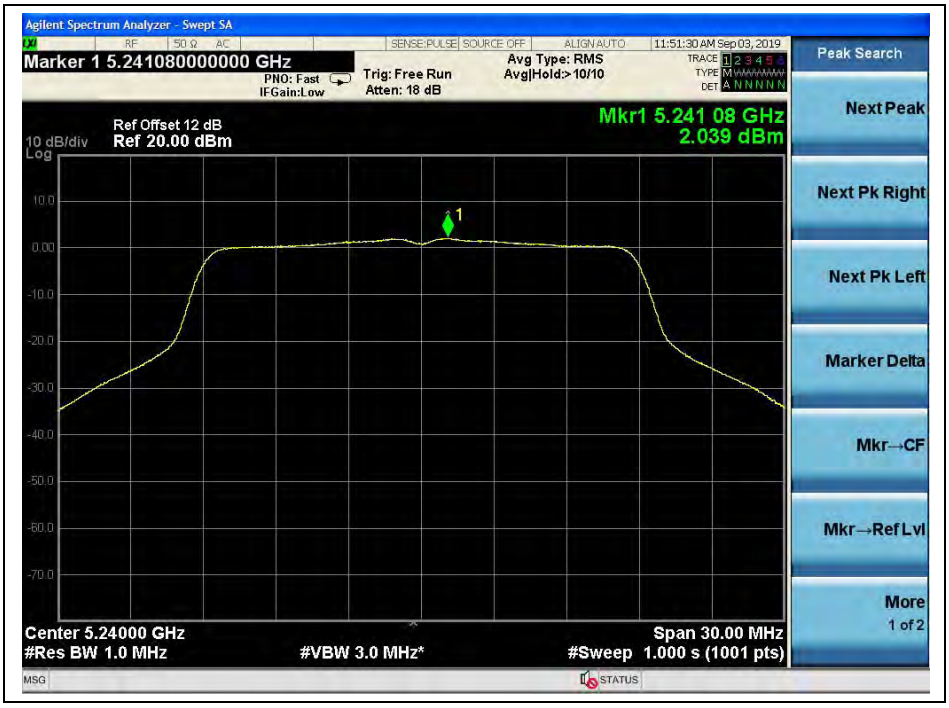
(Channel 165, 5825MHz, 802.11 n (HT20), ANT0)



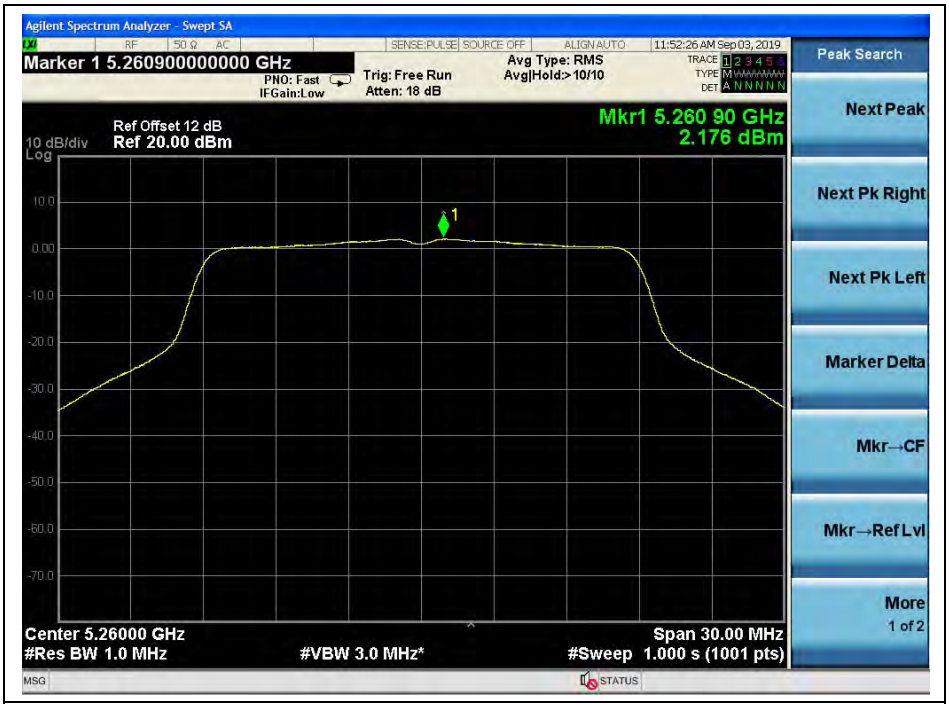
(Channel 36, 5180MHz, 802.11 n (HT20), ANT1)



(Channel 44, 5220 MHz, 802.11 n (HT20), ANT1)

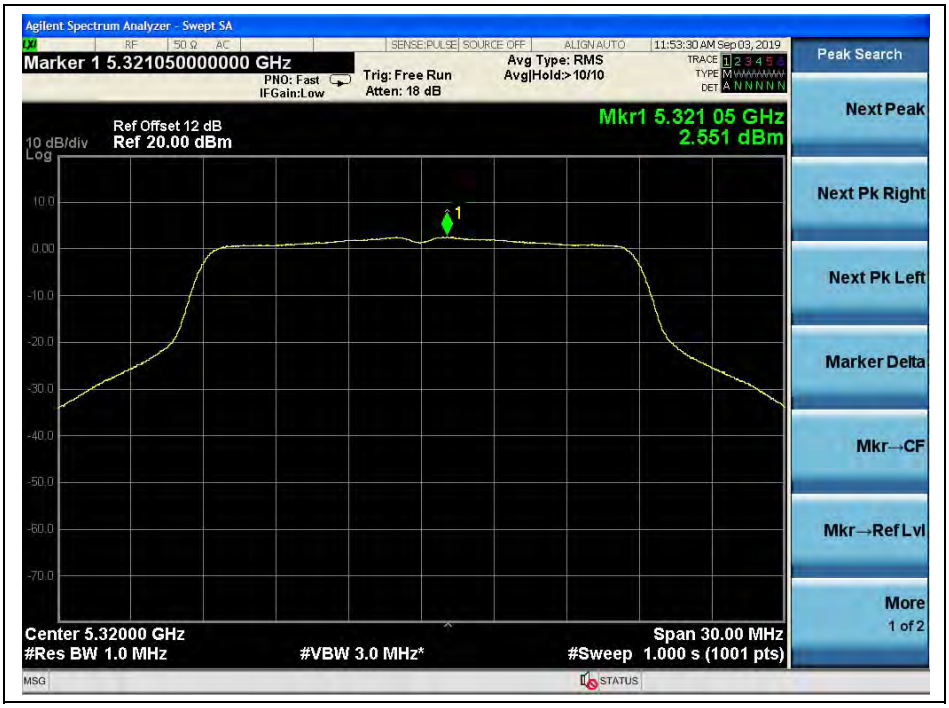


(Channel 48, 5240MHz, 802.11 n (HT20), ANT1)

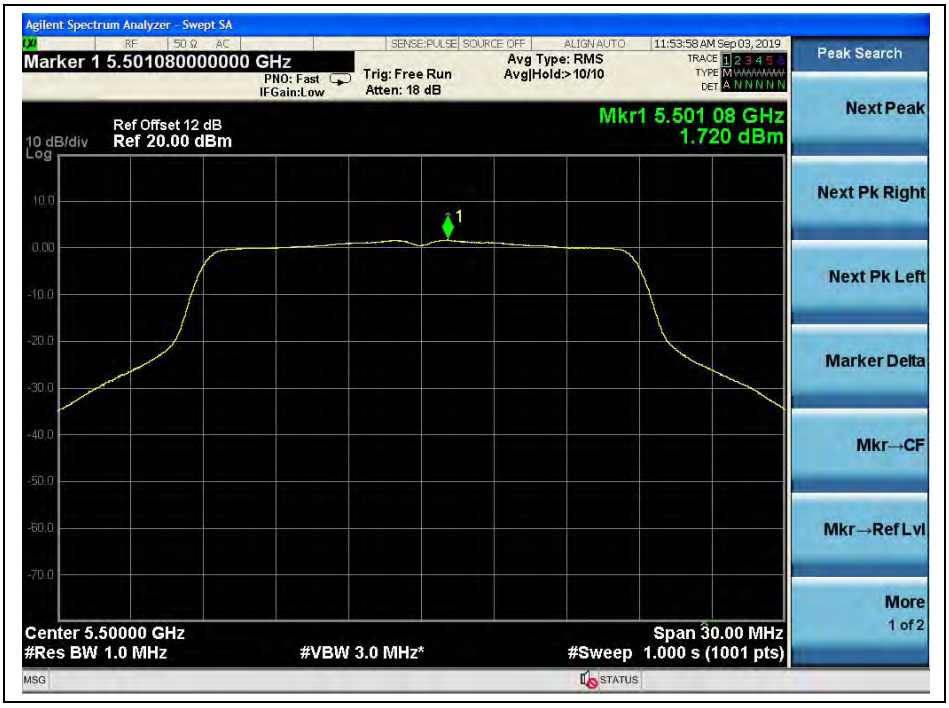


(Channel 52, 5260MHz, 802.11 n (HT20) , ANT1)

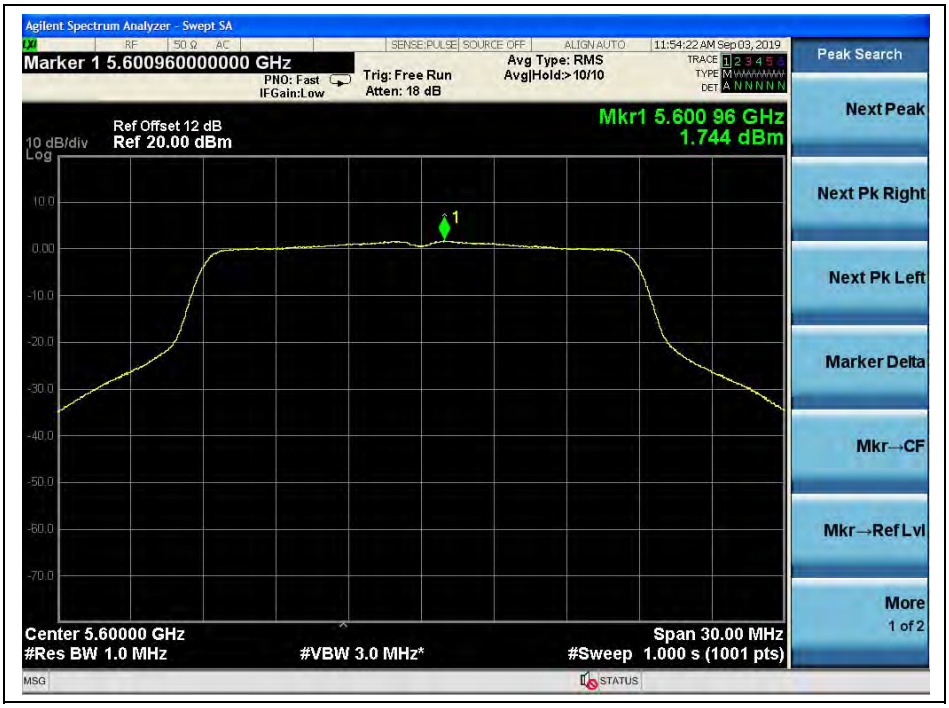
(Channel 60, 5300 MHz, 802.11 n (HT20) , ANT1)



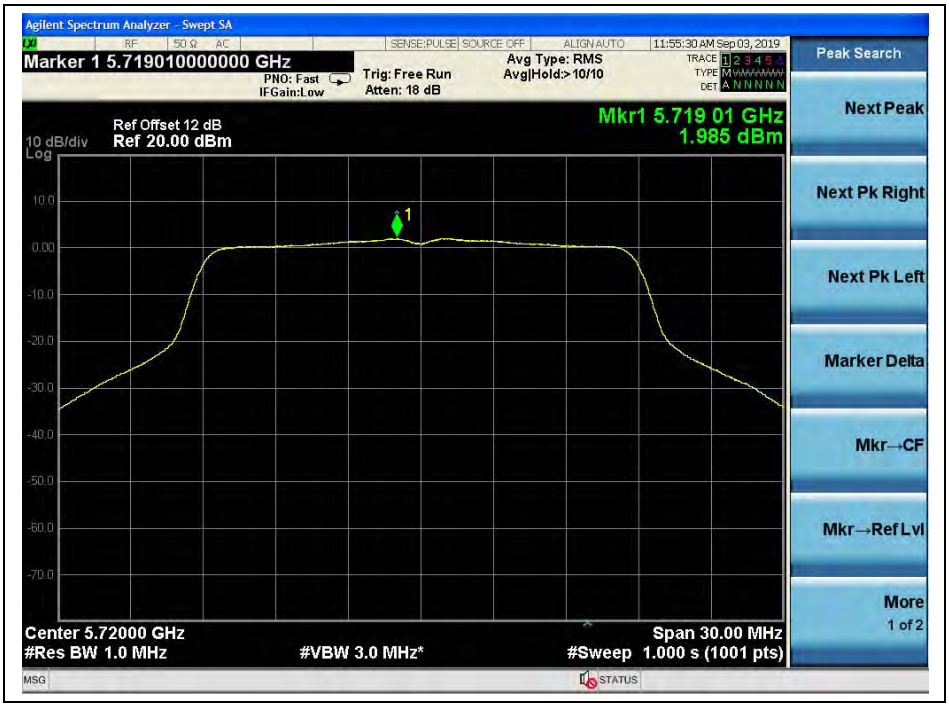
(Channel 64, 5320MHz, 802.11 n (HT20) , ANT1)



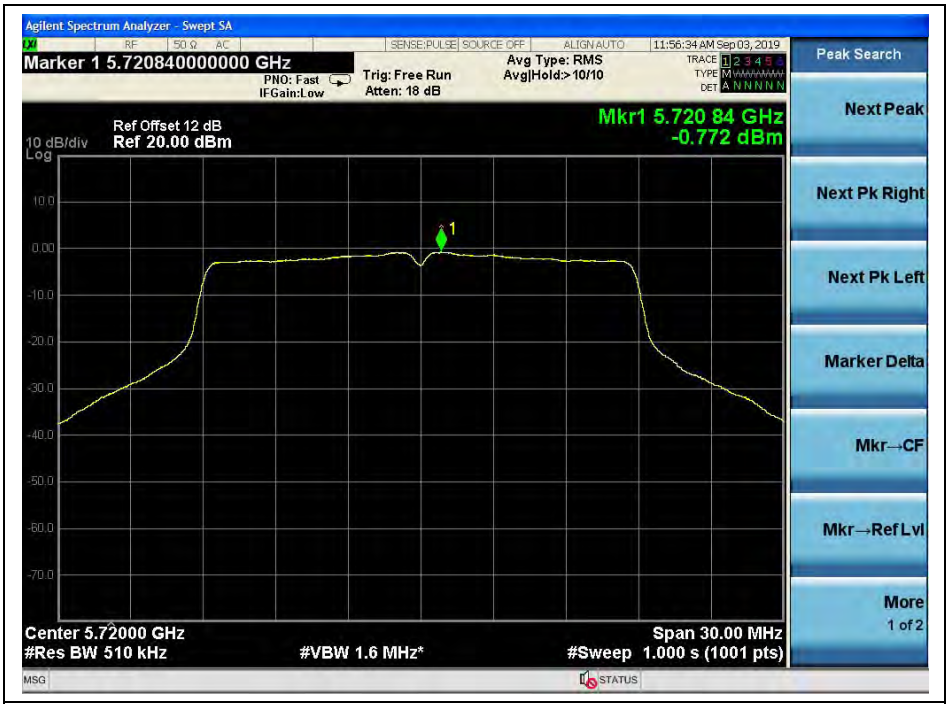
(Channel 100, 5500MHz, 802.11 n (HT20) , ANT1)



(Channel 120, 5600 MHz, 802.11 n (HT20) , ANT1)

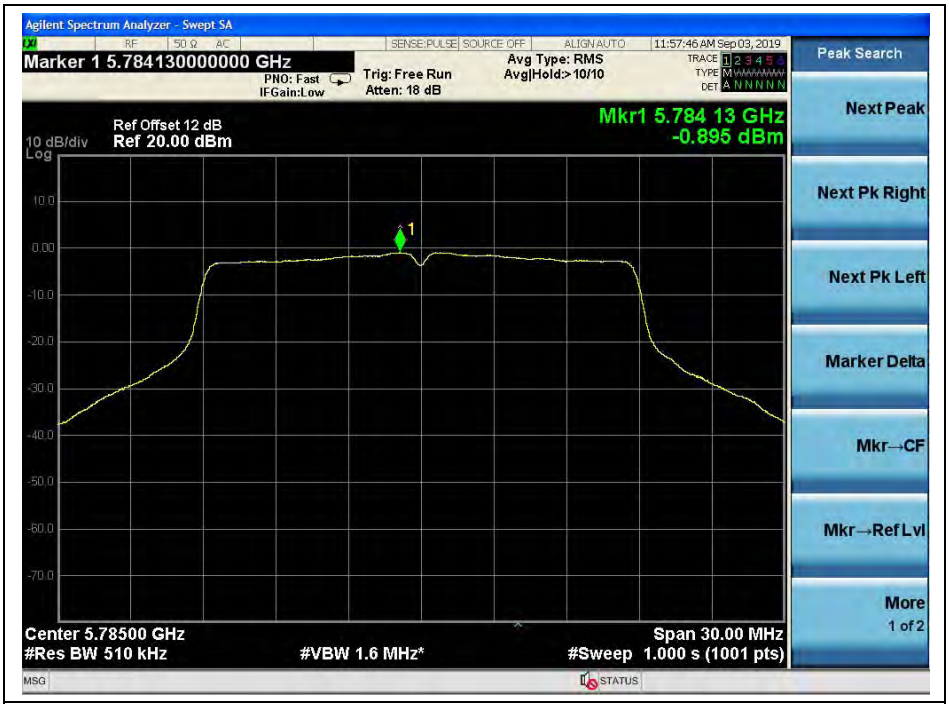


(Channel 144, 5720MHz, 802.11 n (HT20) , ANT1)

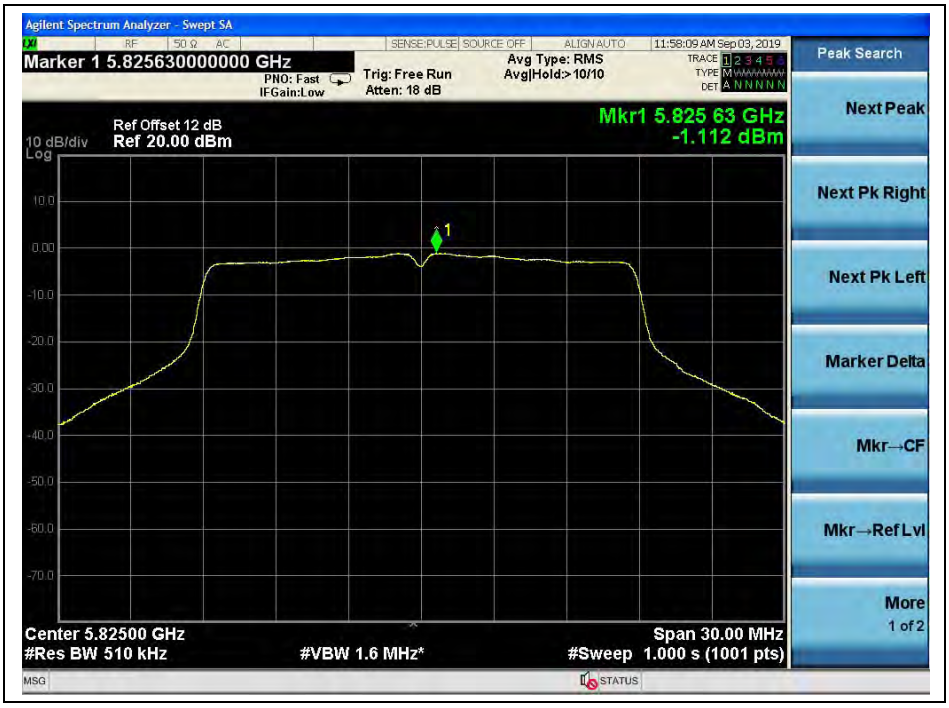


(Channel 144, 5720MHz, 802.11 n (HT20) , ANT1)

(Channel 149, 5745MHz, 802.11 n (HT20), ANT1)



(Channel 157, 5785MHz, 802.11 n (HT20), ANT1)



(Channel 165, 5825MHz, 802.11 n (HT20), ANT1)

802.11n (HT40) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)		Tatal PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
		ANT 0	ANT 1			
38	5190	-1.70	-0.78	1.79	11	PASS
46	5230	-1.29	-0.81	1.97		
54	5270	-1.13	-0.63	2.14		
62	5310	-0.88	-0.09	2.54		
102	5510	-0.89	-0.98	2.08		
126	5630	-0.69	-0.91	2.21		
142	5710	-0.08	-0.89	2.54		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)		Tatal PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
		ANT 0	ANT 1			
142	5710	-2.93	-3.67	-0.27	30	PASS
151	5755	-3.07	-3.70	-0.36		
159	5795	-3.03	-3.55	-0.27		

Note: Directional gain = 1.5dBi +10log(2) = 4.51dBi＜6dBi, so the limit shall be 11 dBm/MHz for 5.18-5.24 GHz, 5.260-5.320 GHz, 5.500-5.720 GHz band and 30 dBm/500KHz for 5.745-5.825 GHz band.

B. Test Plots

(Channel 38, 5190MHz, 802.11n (HT40), ANT0)

(Channel 46, 5230 MHz, 802.11n (HT40), ANT0)

(Channel 54, 5270MHz, 802.11n (HT40), ANT0)

(Channel 62, 5310 MHz, 802.11n (HT40), ANT0)

(Channel 102, 5510MHz, 802.11n (HT40), ANT0)

(Channel 126, 5630 MHz, 802.11n (HT40), ANT0)

(Channel 142, 5710MHz, 802.11n (HT40), ANT0)

(Channel 142, 5710MHz, 802.11n (HT40), ANT0)

(Channel 151, 5755 MHz, 802.11n (HT40), ANT0)

(Channel 159, 5795MHz, 802.11n (HT40), ANT0)

(Channel 38, 5190MHz, 802.11n (HT40), ANT1)

(Channel 46, 5230 MHz, 802.11n (HT40), ANT1)

(Channel 54, 5270MHz, 802.11n (HT40), ANT1)

(Channel 62, 5310 MHz, 802.11n (HT40), ANT1)

(Channel 102, 5510MHz, 802.11n (HT40), ANT1)

(Channel 126, 5630 MHz, 802.11n (HT40), ANT1)

(Channel 142, 5710MHz, 802.11n (HT40), ANT1)

(Channel 142, 5710MHz, 802.11n (HT40), ANT1)

(Channel 151, 5755 MHz, 802.11n (HT40), ANT1)

(Channel 159, 5795MHz, 802.11n (HT40), ANT1)

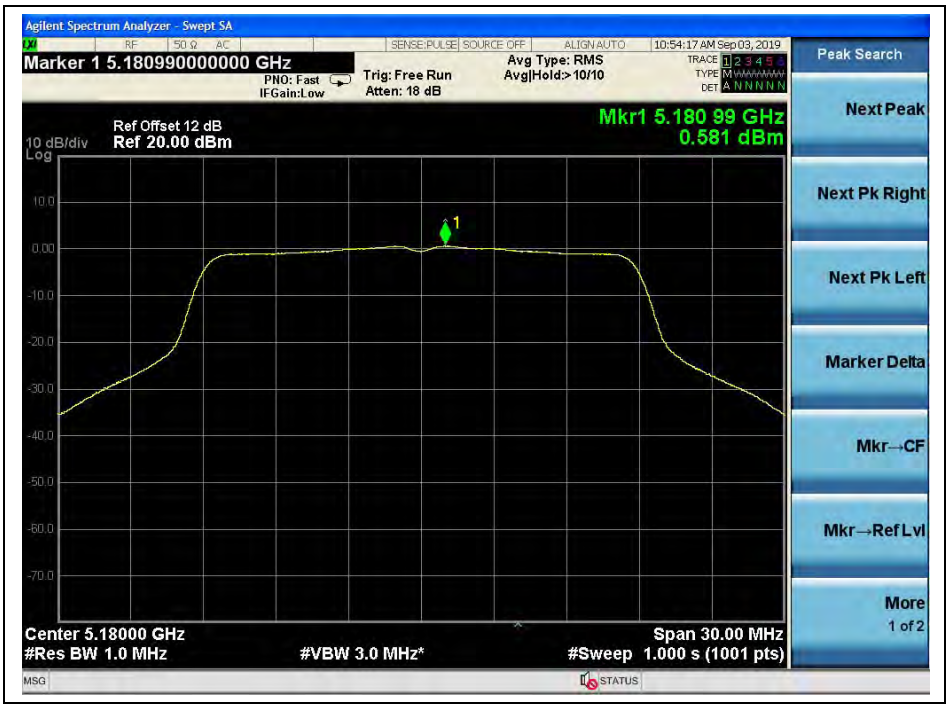
802.11 ac (VHT20) Test mode

A. Test Verdict:

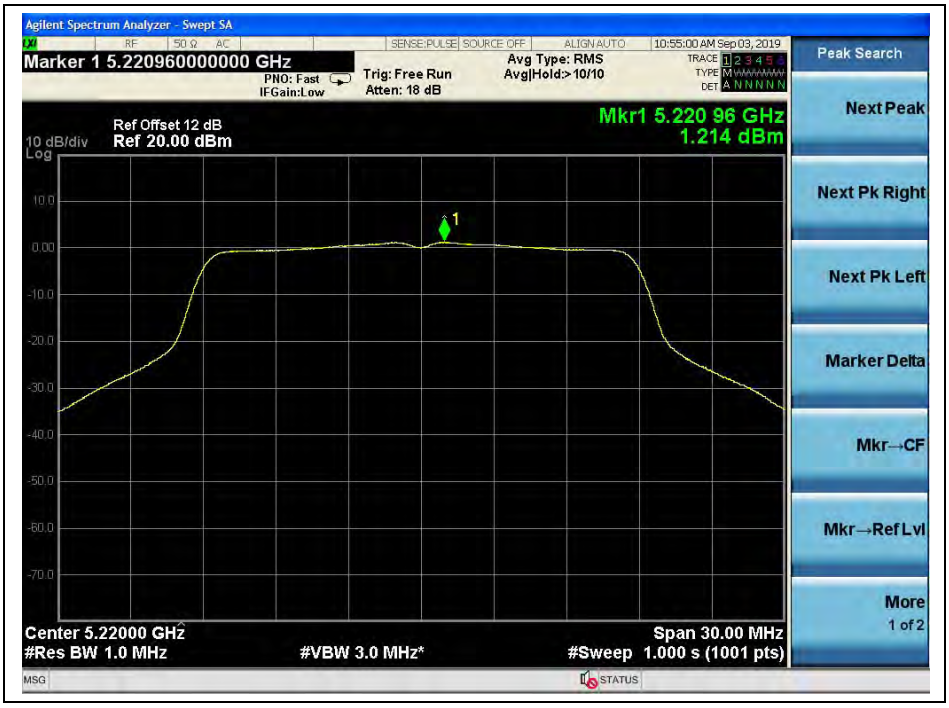
Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)		Tatal PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
		ANT 0	ANT 1			
36	5180	0.58	1.81	4.25	11	PASS
44	5220	1.21	2.07	4.67		
48	5240	0.99	2.08	4.58		
52	5260	1.24	2.28	4.80		
60	5300	1.54	2.59	5.11		
64	5320	1.64	2.65	5.18		
100	5500	1.49	1.65	4.58		
120	5600	1.78	2.37	5.10		
144	5720	2.52	2.27	5.41		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)		Tatal PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
		ANT 0	ANT 1			
144	5720	-0.19	-0.38	2.73	30	PASS
149	5745	-0.37	-0.63	2.51		
157	5785	-0.41	-0.54	2.54		
165	5825	-0.40	-0.82	2.41		

Note: Directional gain = 1.5dBi +10log(2) = 4.51dBi＜6dBi, so the limit shall be 11 dBm/MHz for 5.18-5.24 GHz, 5.260-5.320 GHz, 5.500-5.720 GHz band and 30 dBm/500KHz for 5.745-5.825 GHz band.

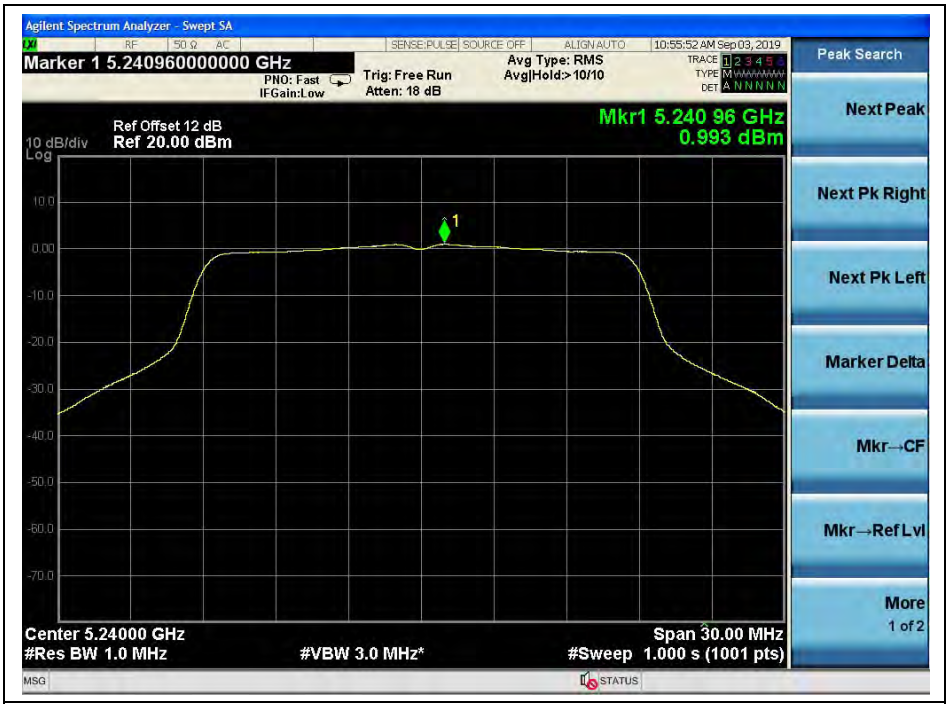
B. Test Plots



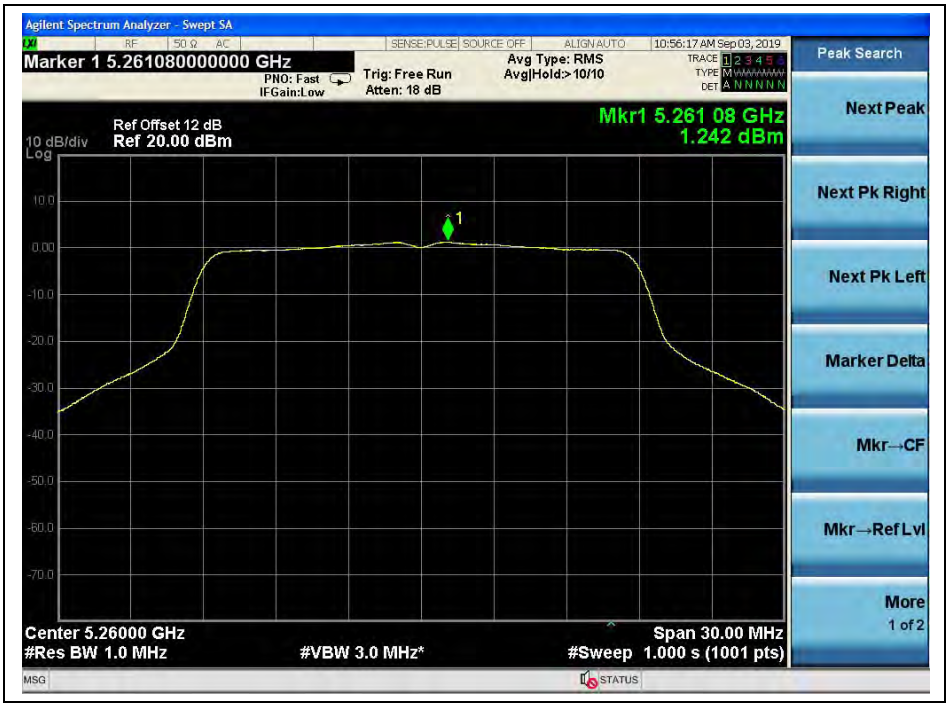
(Channel 36, 5180MHz, 802.11 ac (VHT20), ANT0)



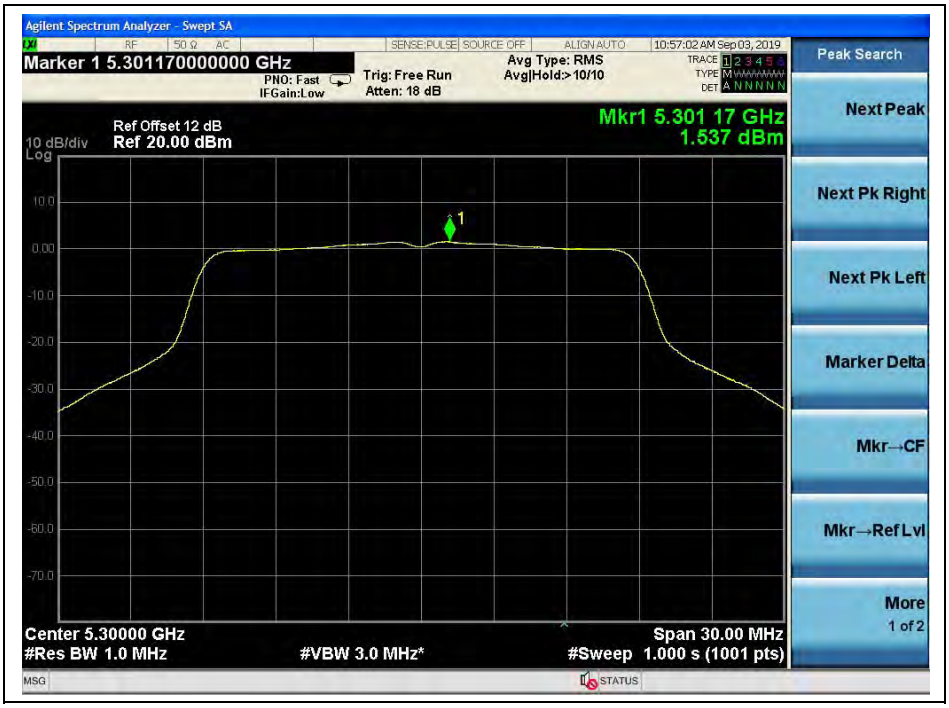
(Channel 44, 5220 MHz, 802.11 ac (VHT20), ANT0)



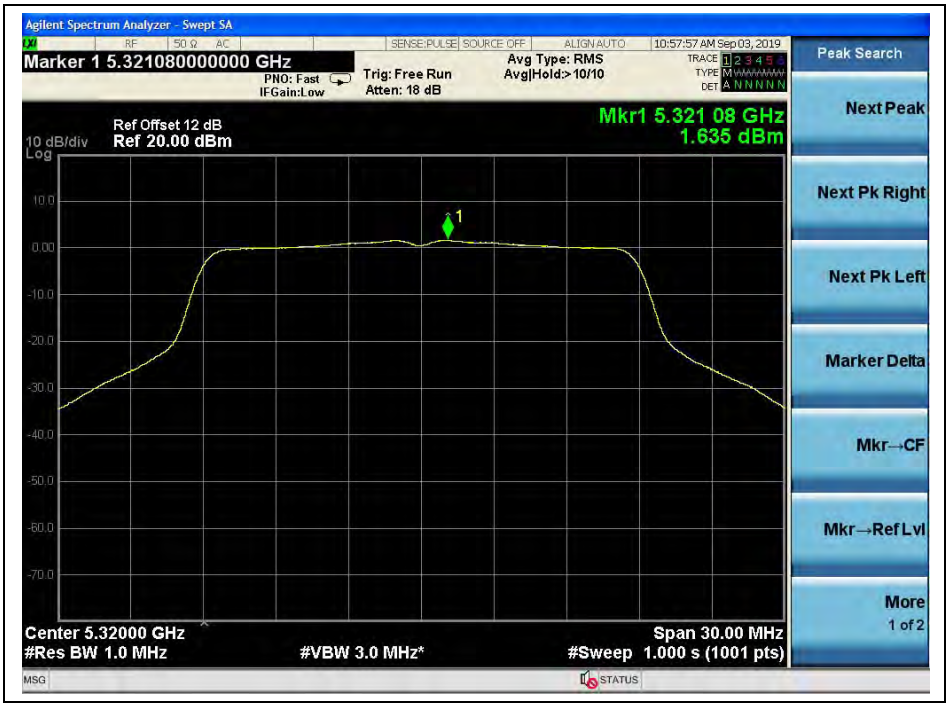
(Channel 48, 5240MHz, 802.11 ac (VHT20), ANT0)



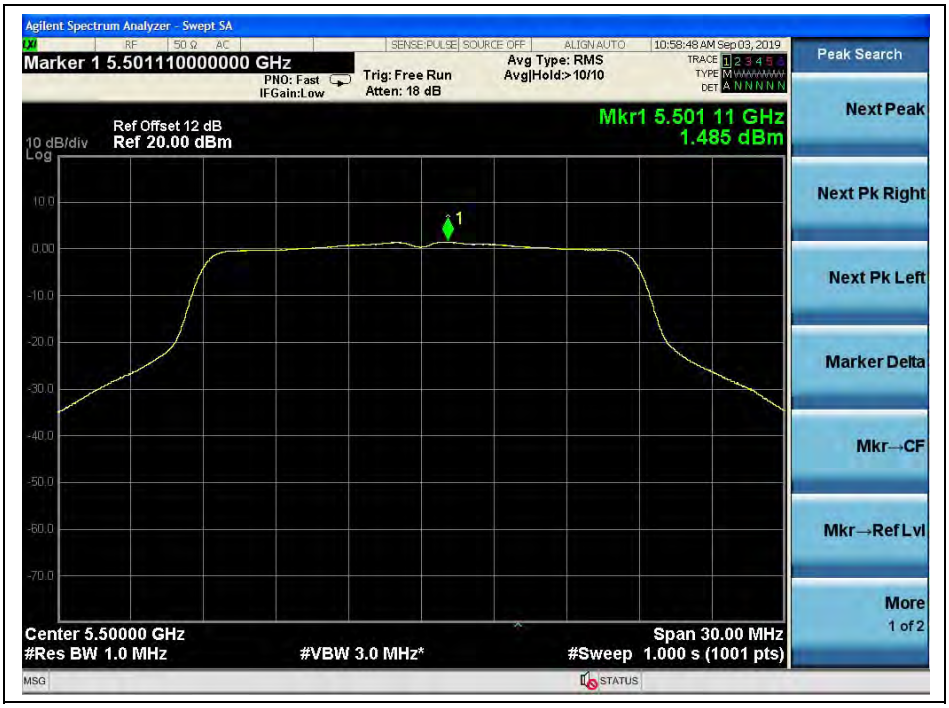
(Channel 52, 5260MHz, 802.11 ac (VHT20), ANT0)



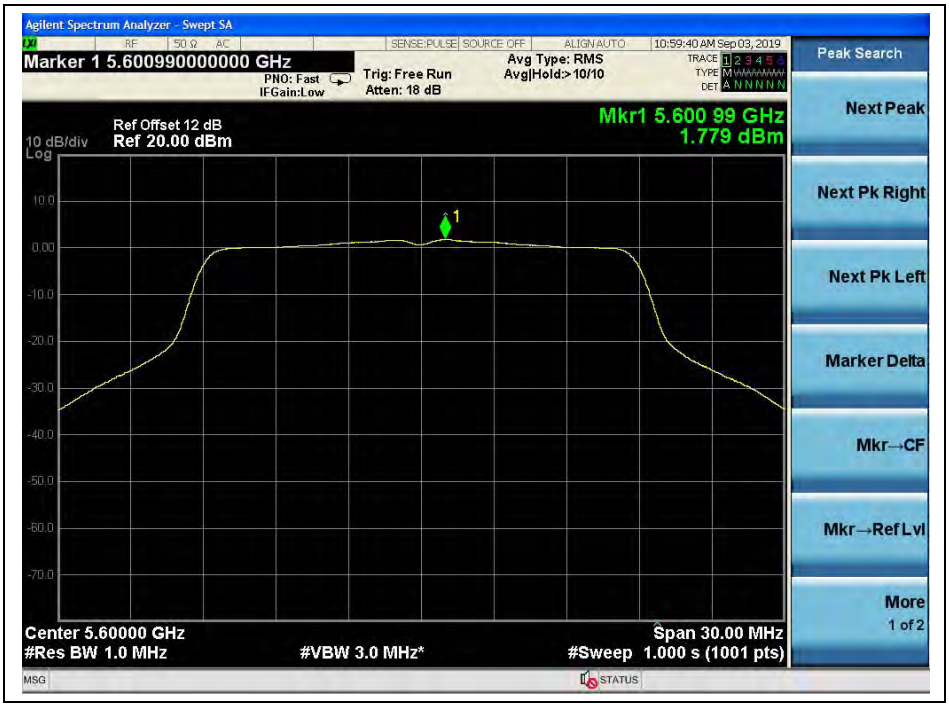
(Channel 60, 5300 MHz, 802.11 ac (VHT20), ANT0)



(Channel 64, 5320MHz, 802.11 ac (VHT20), ANT0)

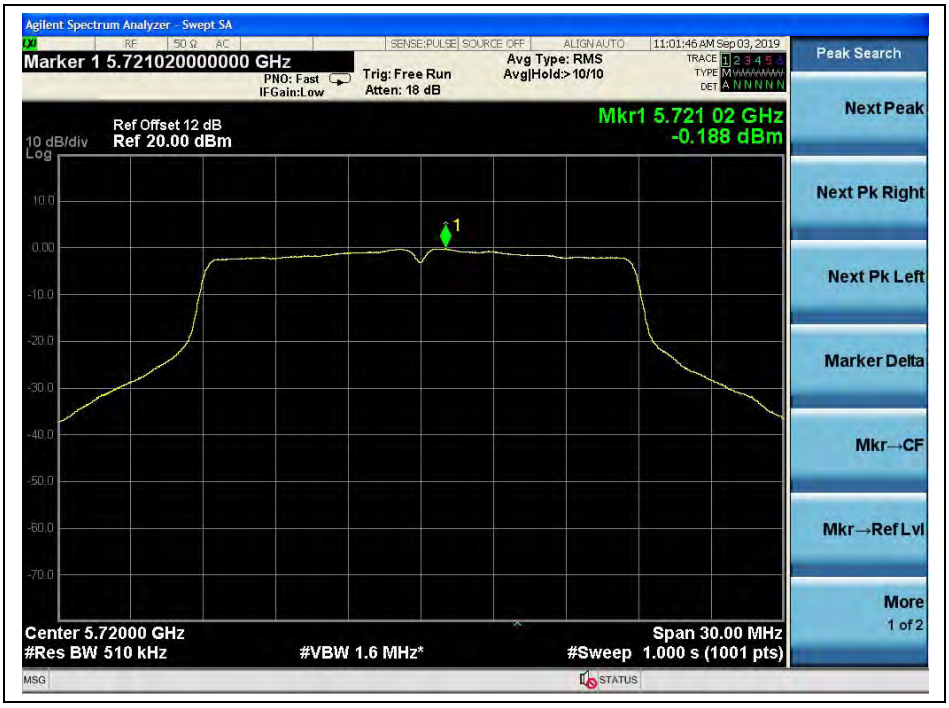


(Channel 100, 5500MHz, 802.11 ac (VHT20), ANT0)

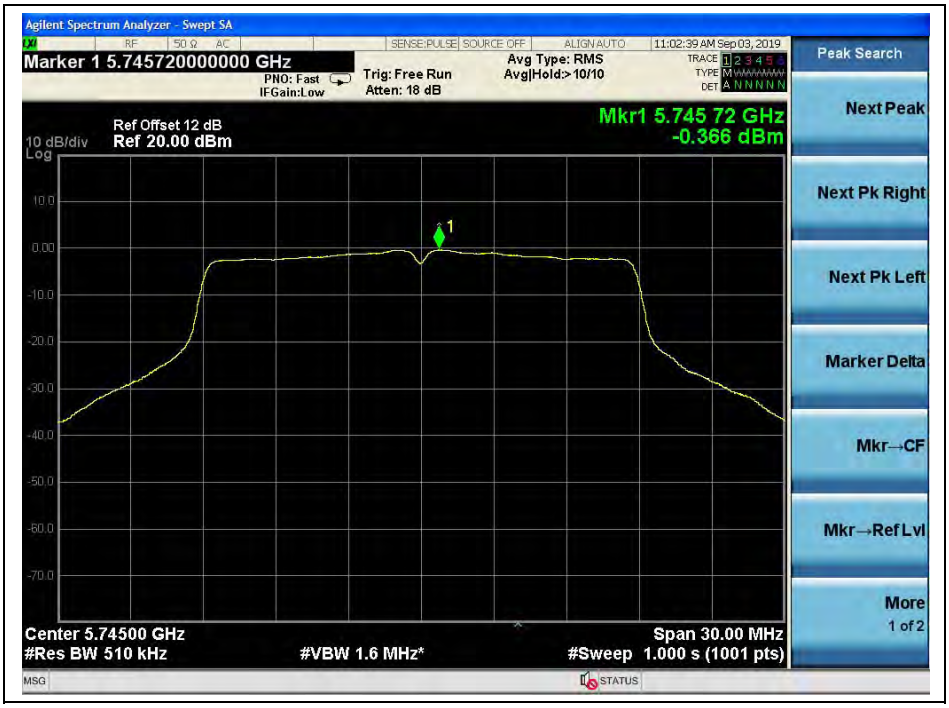


(Channel 120, 5600 MHz, 802.11 ac (VHT20), ANT0)

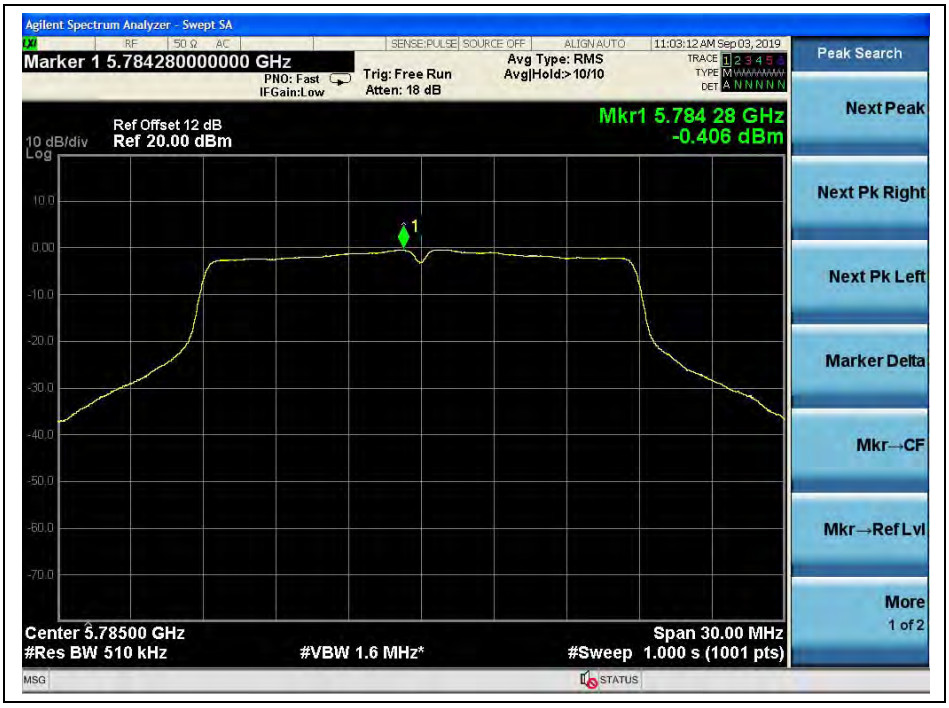
(Channel 144, 5720MHz, 802.11 ac (VHT20), ANT0)



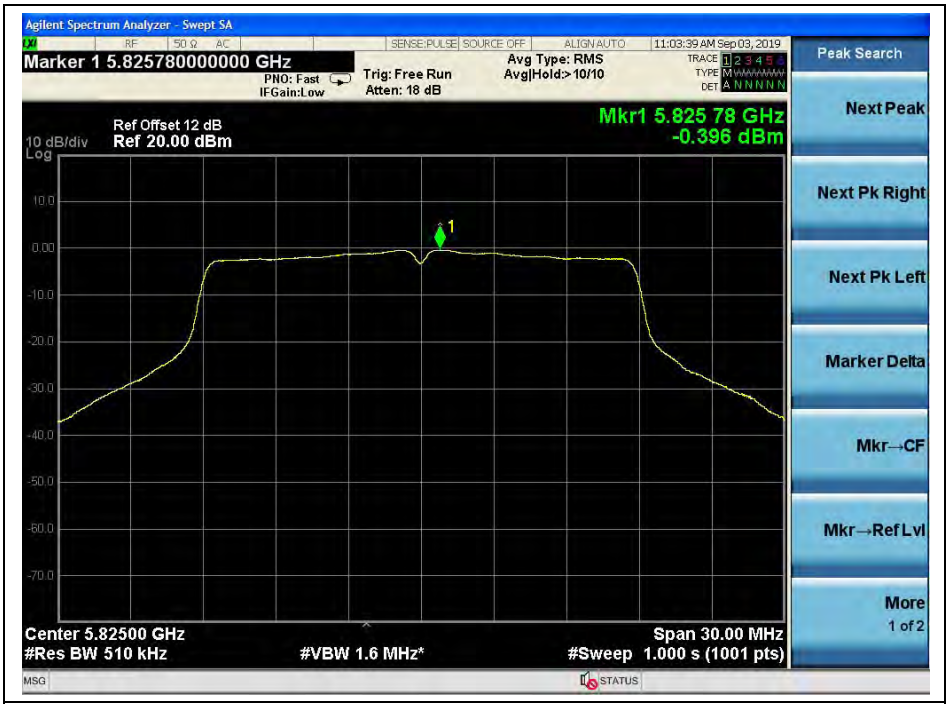
(Channel 144, 5720MHz, 802.11 ac (VHT20), ANT0)



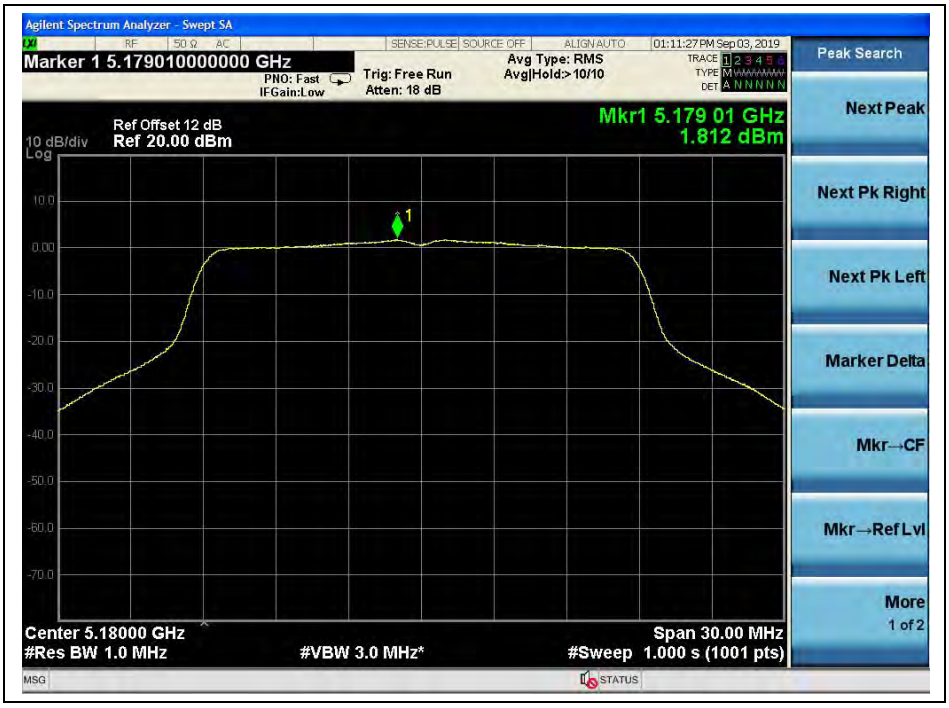
(Channel 149, 5745MHz, 802.11 ac (VHT20), ANT0)



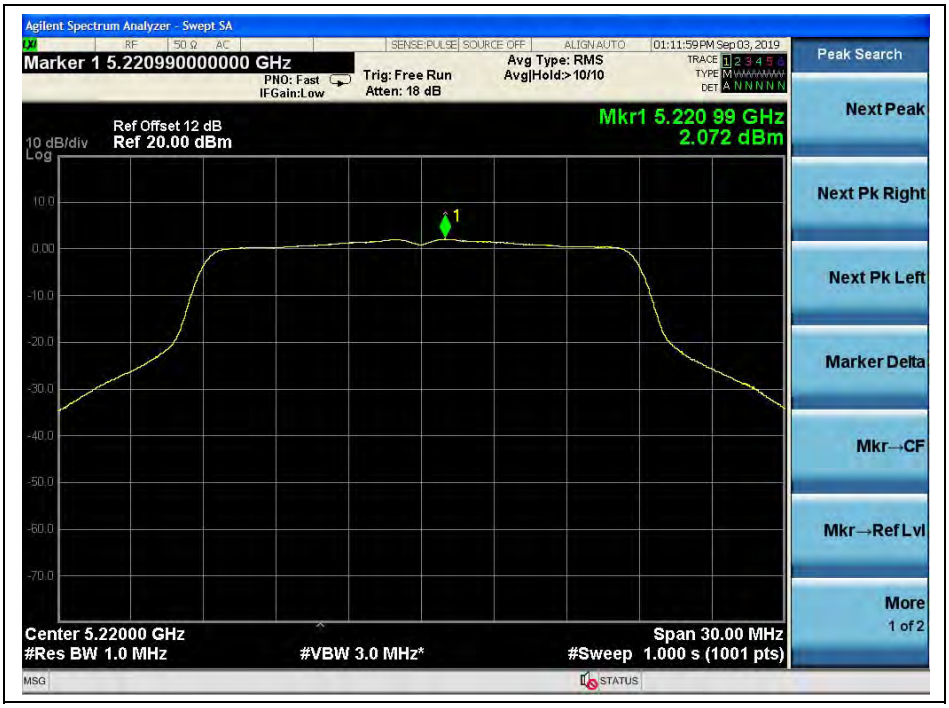
(Channel 157, 5785MHz, 802.11 ac (VHT20), ANT0)



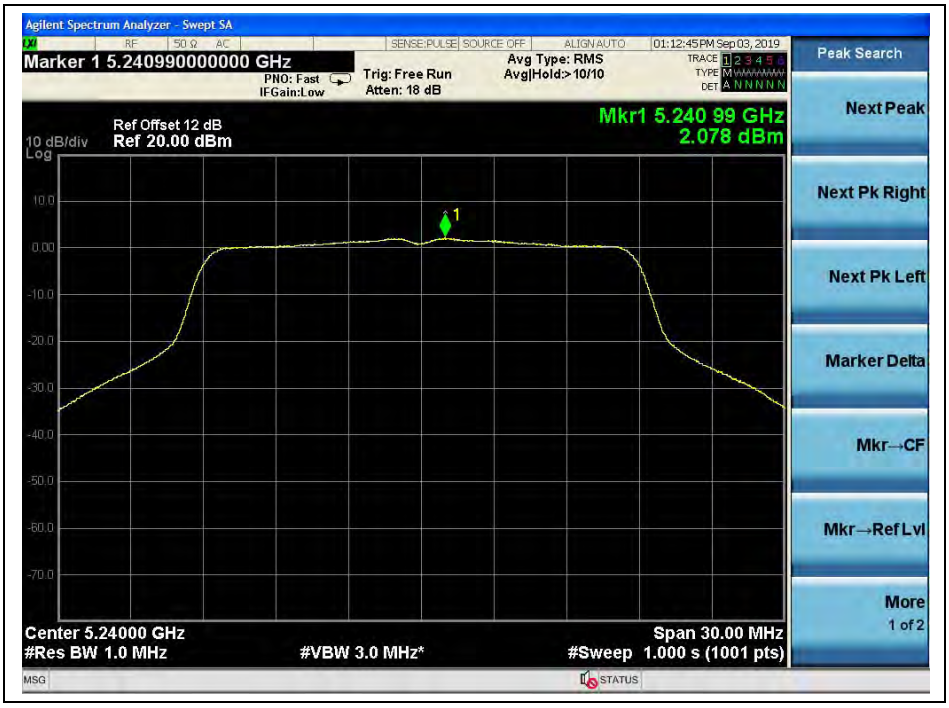
(Channel 165, 5825MHz, 802.11 ac (VHT20), ANT0)



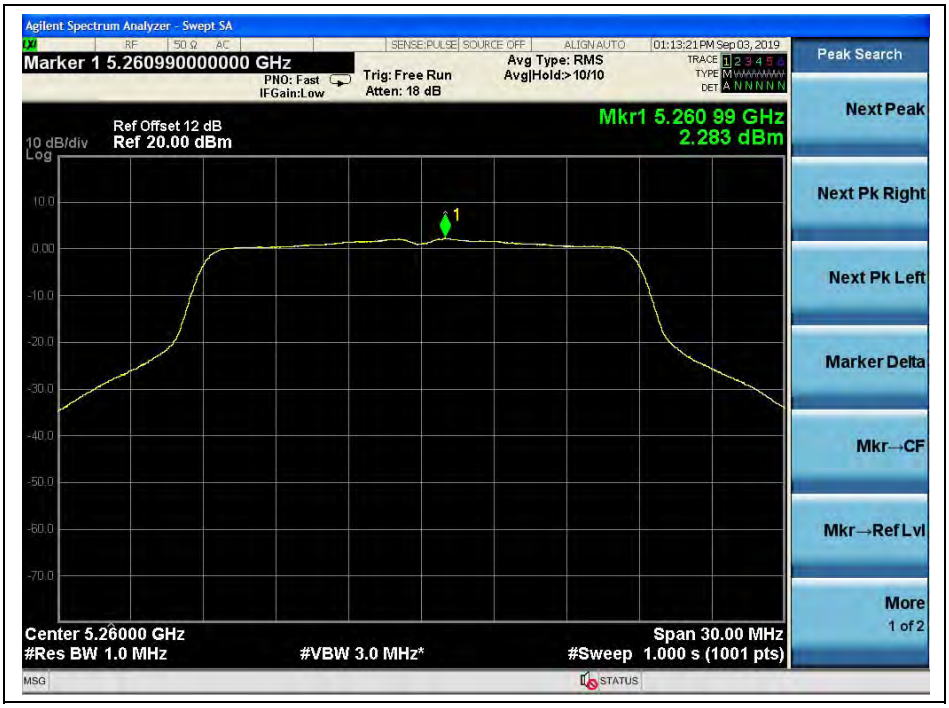
(Channel 36, 5180MHz, 802.11 ac (VHT20), ANT1)



(Channel 44, 5220 MHz, 802.11 ac (VHT20), ANT1)

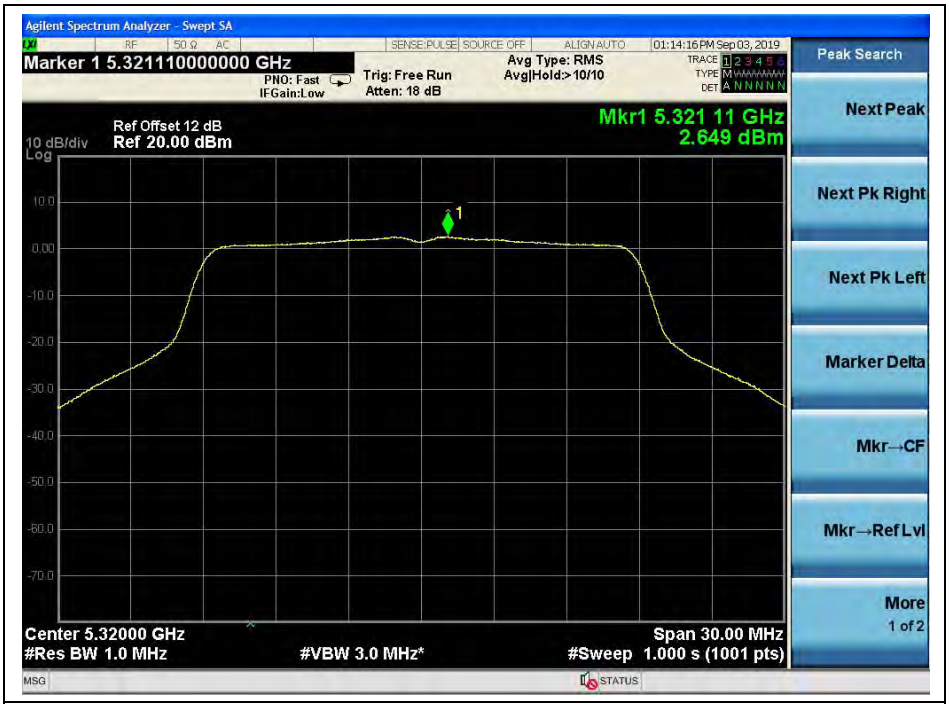


(Channel 48, 5240MHz, 802.11 ac (VHT20), ANT1)

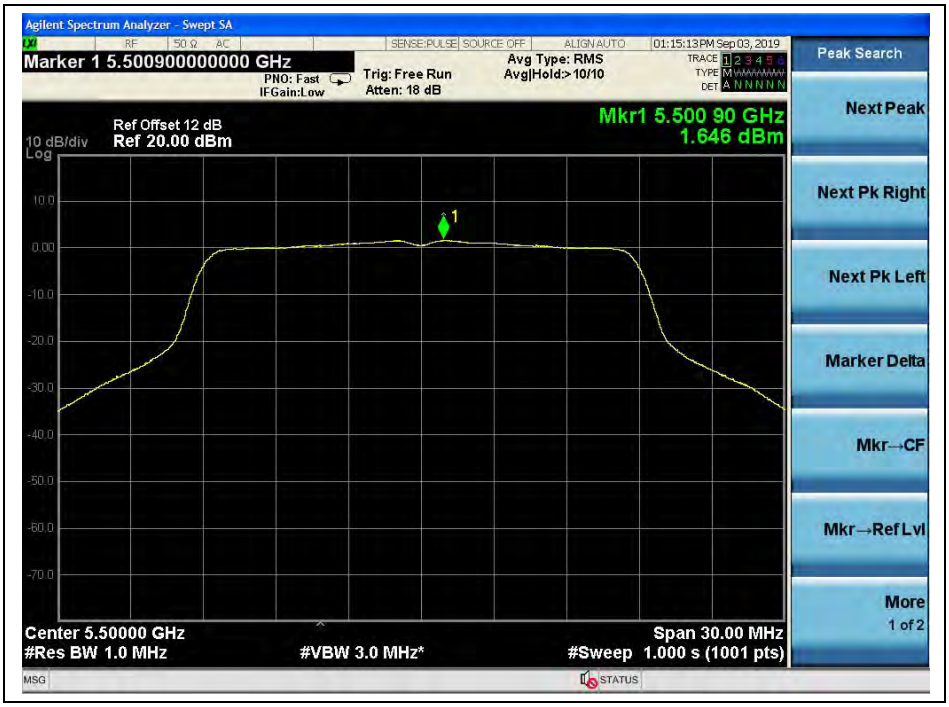


(Channel 52, 5260MHz, 802.11 ac (VHT20), ANT1)

(Channel 60, 5300 MHz, 802.11 ac (VHT20), ANT1)



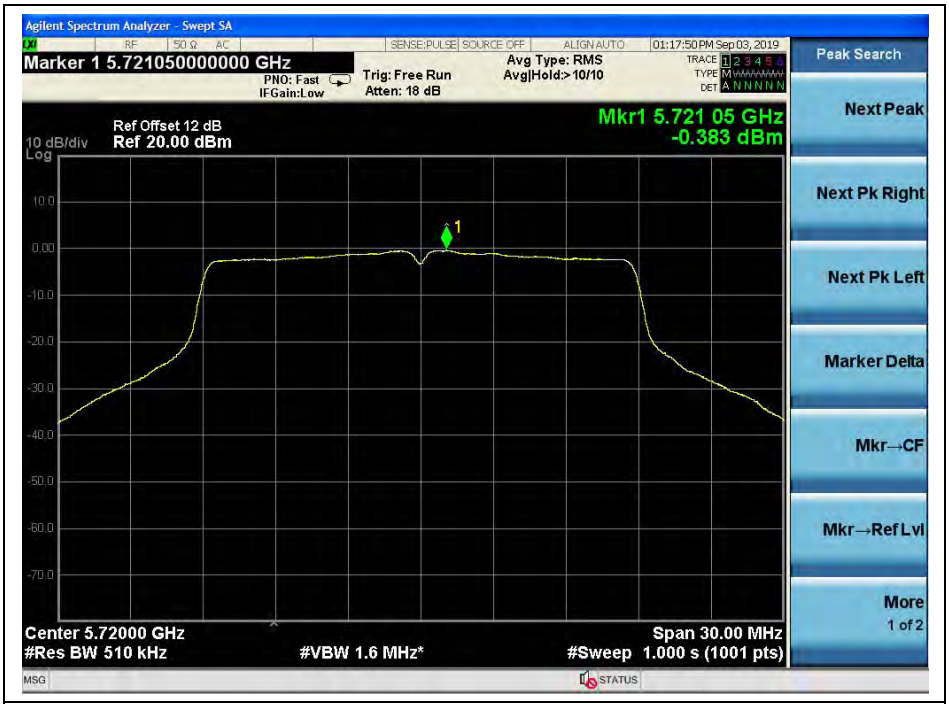
(Channel 64, 5320MHz, 802.11 ac (VHT20), ANT1)



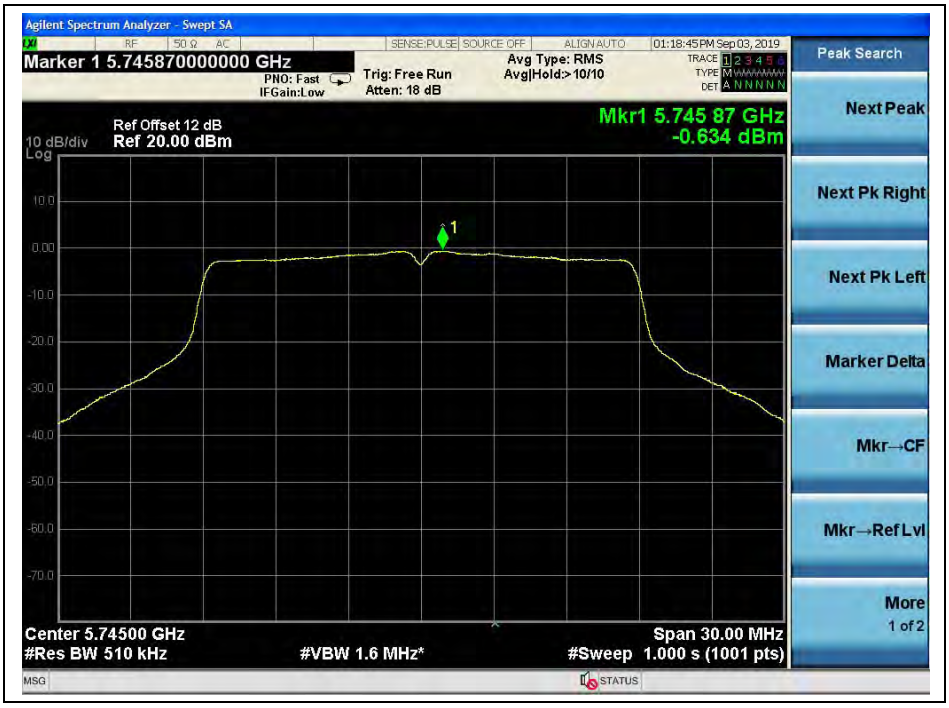
(Channel 100, 5500MHz, 802.11 ac (VHT20), ANT1)

(Channel 120, 5600 MHz, 802.11 ac (VHT20), ANT1)

(Channel 144, 5720MHz, 802.11 ac (VHT20), ANT1)

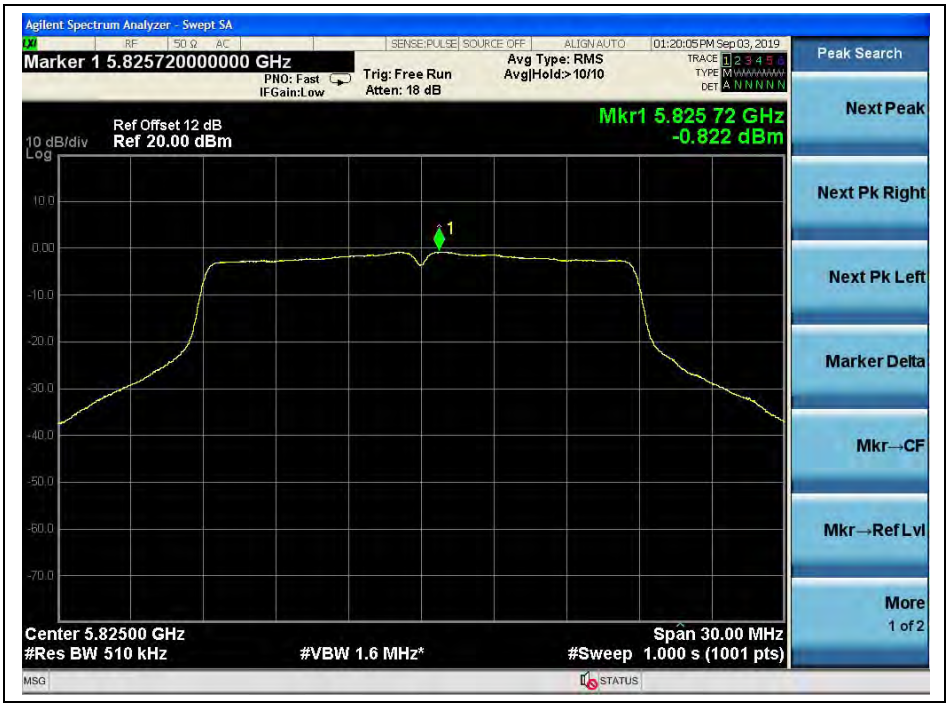


(Channel 144, 5720MHz, 802.11 ac (VHT20), ANT1)



(Channel 149, 5745MHz, 802.11 ac (VHT20), ANT1)

(Channel 157, 5785MHz, 802.11 ac (VHT20), ANT1)



(Channel 165, 5825MHz, 802.11 ac (VHT20), ANT1)

802.11 ac (VHT40) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)		Tatal PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
		ANT 0	ANT 1			
38	5190	-1.75	-0.56	1.90	11	PASS
46	5230	-1.38	-0.54	2.07		
54	5270	-1.24	-0.26	2.29		
62	5310	-0.96	0.21	2.67		
102	5510	-0.95	-0.53	2.28		
126	5630	-0.84	-0.53	2.33		
142	5710	-0.19	-0.35	2.74		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)		Tatal PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
		ANT 0	ANT 1			
142	5710	-3.06	-3.25	-0.14	30	PASS
151	5755	-3.17	-3.44	-0.29		
159	5795	-3.00	-3.36	-0.17		

Note: Directional gain = 1.5dBi +10log(2) = 4.51dBi＜6dBi, so the limit shall be 11 dBm/MHz for 5.18-5.24 GHz, 5.260-5.320 GHz, 5.500-5.720 GHz band and 30 dBm/500KHz for 5.745-5.825 GHz band.

B. Test Plots

(Channel 38, 5190MHz, 802.11 ac (VHT40), ANT0)

(Channel 46, 5230 MHz, 802.11 ac (VHT40), ANT0)

(Channel 54, 5270MHz, 802.11 ac (VHT40), ANT0)

(Channel 62, 5310MHz, 802.11 ac (VHT40), ANT0)

(Channel 102, 5510 MHz, 802.11 ac (VHT40), ANT0)

(Channel 126, 5630MHz, 802.11 ac (VHT40), ANT0)

(Channel 142, 5710MHz, 802.11 ac (VHT40), ANT0)

(Channel 142, 5710 MHz, 802.11 ac (VHT40), ANT0)

(Channel 151, 5755 MHz, 802.11 ac (VHT40), ANT0)

(Channel 159, 5795MHz, 802.11 ac (VHT40), ANT0)

(Channel 38, 5190MHz, 802.11 ac (VHT40), ANT1)

(Channel 46, 5230 MHz, 802.11 ac (VHT40), ANT1)

(Channel 54, 5270MHz, 802.11 ac (VHT40), ANT1)

(Channel 62, 5310MHz, 802.11 ac (VHT40), ANT1)

(Channel 102, 5510 MHz, 802.11 ac (VHT40), ANT1)

(Channel 126, 5630MHz, 802.11 ac (VHT40), ANT1)

(Channel 142, 5710MHz, 802.11 ac (VHT40), ANT1)

(Channel 142, 5710 MHz, 802.11 ac (VHT40), ANT1)

(Channel 151, 5755 MHz, 802.11 ac (VHT40), ANT1)