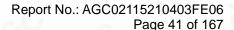
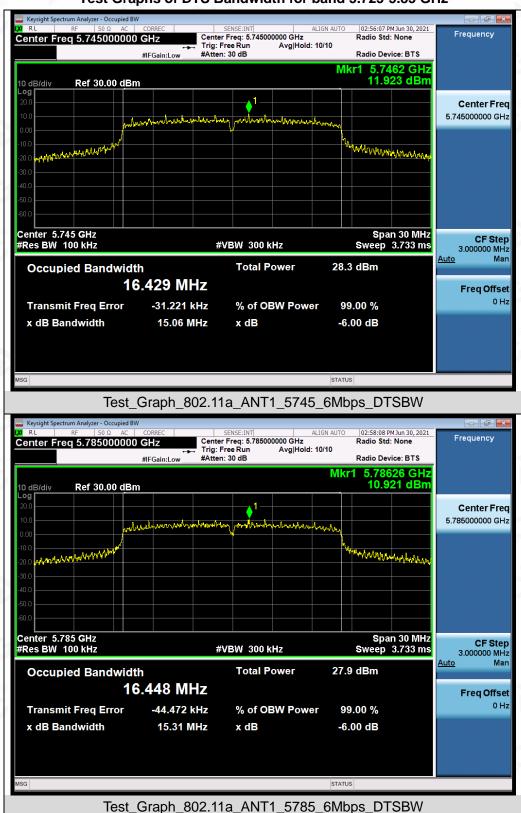


Test_Graph_802.11n20_ANT1_5825_MCS0_OBW

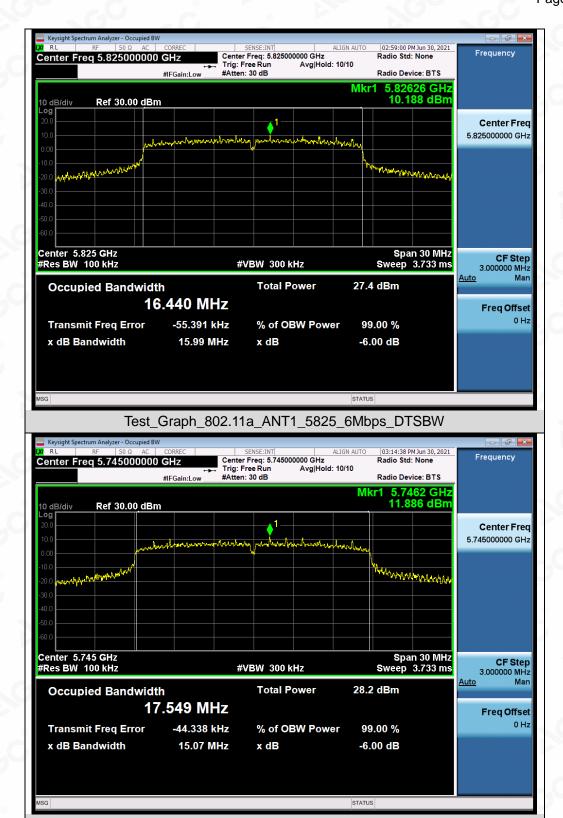




Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

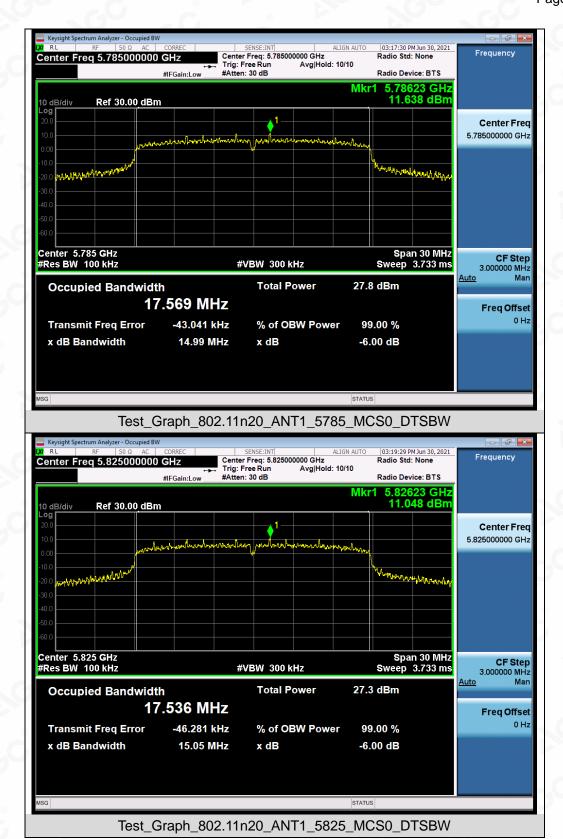






Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW







Page 44 of 167

9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY

9.1. MEASUREMENT PROCEDURE

Refer to KDB 789033 section F

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

9.3. MEASUREMENT EQUIPMENT USED

Refer to Section 6.



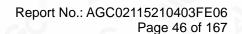
Page 45 of 167

9.4. LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
60	5180	8.374	11	Pass
OFDM with data rate 6	5200	8.296	11	Pass
Tate o	5240	8.465	11	Pass
	5180	4.288	11	Pass
OFDM with data rate MCS0	5200	5.048	11	Pass
	5240	5.187	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail	
20.	5180	7.888	11	Pass	
OFDM with data rate 6	5200	8.122	11	Pass	
1410 0	5240	8.217	11	Pass	
OFDM with data rate MCS0	5180	4.756	9 11	Pass	
	5200	4.794	11	Pass	
	5240	4.946	11	Pass	

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 3				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
	5180	8.279	11	Pass
OFDM with data rate 6	5200	8.622	11	Pass
14.0 0	5240	8.234	11	Pass
OFDM with data rate MCS0	5180	4.756	11	Pass
	5200	5.114	11	Pass
10.0 1/1000	5240	5.180	11	Pass





Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 4				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
	5180	8.167	11	Pass
OFDM with data rate 6	5200	8.265	_ 11	Pass
rate o	5240	8.139	11	Pass
0	5180	4.500	11	Pass
OFDM with data rate MCS0	5200	5.149	11	Pass
	5240	4.756	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail	
OFDM with data rate MCS0	5180	7.54	8.49	Pass	
	5200	7.93	8.49	Pass	
	5240	8.08	8.49	Pass	

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 3+4				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
0.5014	5180	7.64	8.49	Pass
OFDM with data rate MCS0	5200	8.14	8.49	Pass
	5240	7.98	8.49	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 1+3					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail	
	5180	7.54	8.49	Pass	
OFDM with data rate MCS0	5200	8.09	8.49	Pass	
	5240	8.19	8.49	Pass	



Page 47 of 167

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 10 MHz of antenna 2+4				
Test Mode Test Channel Average Power Density Limits (dBm/MHz) Pass or Fa				
OFDM with data rate MCS0	5180	7.64	8.49	Pass
	5200	7.99	8.49	Pass
	5240	7.86	8.49	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
	5180	8.087	11	Pass
802.11a	5200	8.602	11	Pass
	5240	8.228	11	Pass
8	5180	4.618	11	Pass
802.11n20	5200	5.333	11	Pass
	5240	5.281	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
6	5180	7.922	11	Pass
802.11a	5200	8.190	11	Pass
	5240	8.512	11	Pass
0	5180	5.137	11	Pass
802.11n20	5200	5.279	11	Pass
	5240	5.442	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 3				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
	5180	7.863	11	Pass
802.11a	5200	8.000	11	Pass
	5240	8.108	11	Pass
802.11n20	5180	4.507	11	Pass
	5200	5.108	11	Pass
100	5240	4.968	11	Pass



Page 48 of 167

Test Data of Co	Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 4					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail		
	5180	8.151	11	Pass		
802.11a	5200	8.114	11	Pass		
	5240	7.913	_ 11	Pass		
100	5180	5.008	11	Pass		
802.11n20	5200	4.521	11	Pass		
GU C	5240	4.775	11	Pass		

Test Data of Co	Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 1+2						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail			
6	5180	7.90	8.49	Pass			
802.11n20	5200	8.32	8.49	Pass			
	5240	8.37	8.49	Pass			

Test Data of Co	Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 3+4						
Test Mode	st Mode Test Channel Average Power Density (dBm/MHz)		Limits (dBm/MHz)	Pass or Fail			
6.0	5180	7.78	8.49	Pass			
802.11n20	5200	7.83	8.49	Pass			
8	5240	7.88	8.49	Pass			

Test Data of Co	Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 1+3						
Test Mode	Test Mode Test Channel (MHz) Average Power Density (dBm/MHz)			Pass or Fail			
	5180	7.57	8.49	Pass			
802.11n20	5200	8.23	8.49	Pass			
9 _6	5240	8.14	8.49	Pass			



Page 49 of 167

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-bandwidth 20 MHz of antenna 2+4						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail		
100	5180	8.08	8.49	Pass		
802.11n20	5200	7.93	8.49	Pass		
	5240	8.13	8.49	Pass		

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 1						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
	5745	5.298	12.288	30	Pass	
OFDM with data rate 6	5785	5.386	12.376	30	Pass	
data rate o	5825	2.763	9.753	30	Pass	
OFDM with	5745	5.298	12.288	30	Pass	
data rate MCS0	5785	5.386	12.376	30	Pass	
	5825	2.763	9.753	30	Pass	

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 2						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
	5745	5.249	12.239	30	Pass	
OFDM with data rate 6	5785	5.045	12.035	30	Pass	
data fate o	5825	4.397	11.387	30	Pass	
OFDM with	5745	5.026	12.016	30	Pass	
data rate MCS0	5785	4.909	11.899	30	Pass	
	5825	4.152	11.142	30	Pass	



Page 50 of 167

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 3						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
8	5745	5.319	12.309	30	Pass	
OFDM with data rate 6	5785	5.071	12.061	30	Pass	
data rate o	5825	4.237	11.227	30	Pass	
OFDM with	5745	5.149	12.139	30	Pass	
data rate MCS0	5785	4.576	11.566	30	Pass	
	5825	4.068	11.058	30	Pass	

Test Data of C	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 4						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail		
05514	5745	5.172	12.162	30	Pass		
OFDM with data rate 6	5785	4.969	11.959	30	Pass		
data rate o	5825	4.625	11.615	30	Pass		
OFDM with	5745	4.794	11.784	30	Pass		
data rate MCS0	5785	4.89	11.880	30	Pass		
	5825	4.227	11.217	30	Pass		

Test Data of	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna							
		1	l+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail			
OFDM with	5745	8.17	15.16	27.89	Pass			
data rate MCS0	5785	8.16	15.15	27.89	Pass			
	5825	6.52	13.51	27.89	Pass			



Page 51 of 167

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 3+4						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
OFDM with	5745	7.99	14.98	27.89	Pass	
data rate MCS0	5785	7.75	14.74	27.89	Pass	
	5825	7.16	14.15	27.89	Pass	

Test Data of	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 1+3						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail		
OFDM with	5745	8.23	15.22	27.89	Pass		
data rate MCS0	5785	8.01	15.00	27.89	Pass		
	5825	6.47	13.46	27.89	Pass		

Test Data of	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 10 MHz of antenna 2+4						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail		
OFDM with	5745	7.92	14.91	27.89	Pass		
data rate MCS0	5785	7.91	14.90	27.89	Pass		
	5825	7.20	14.19	27.89	Pass		

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 1						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
6	5745	3.139	10.129	30	Pass	
802.11a	5785	2.777	9.767	30	Pass	
	5825	2.403	9.393	30	Pass	
	5745	2.669	9.659	30	Pass	
802.11n20	5785	2.801	9.791	30	Pass	
	5825	1.823	8.813	30	Pass	



Page 52 of 167

Test Data of 0	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 2						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail		
	5745	2.500	9.490	30	Pass		
802.11a	5785	2.323	9.313	30	Pass		
	5825	2.159	9.149	30	Pass		
0	5745	2.882	9.872	30	Pass		
802.11n20	5785	2.668	9.658	30	Pass		
	5825	2.251	9.241	30	Pass		

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 3						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
- 60	5745	3.605	10.595	30	Pass	
802.11a	5785	3.010	10.000	30	Pass	
· ·	5825	2.192	9.182	30	Pass	
a.G	5745	2.923	9.913	30	Pass	
802.11n20	5785	2.925	9.915	30	Pass	
8	5825	2.013	9.003	30	Pass	

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 4					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
	5745	3.232	10.222	30	Pass
802.11a	5785	2.959	9.949	30	Pass
-C	5825	2.192	9.182	30	Pass
6	5745	2.857	9.847	30	Pass
802.11n20	5785	3.104	10.094	30	Pass
	5825	2.238	9.228	30	Pass



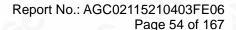
Page 53 of 167

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 1+2						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
60	5745	5.79	12.78	27.89	Pass	
802.11n20	5785	5.75	12.74	27.89	Pass	
⊗	5825	5.05	12.04	27.89	Pass	

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 3+4						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
	5745	5.9	12.89	27.89	Pass	
802.11n20	5785	6.03	13.02	27.89	Pass	
	5825	5.14	12.13	27.89	Pass	

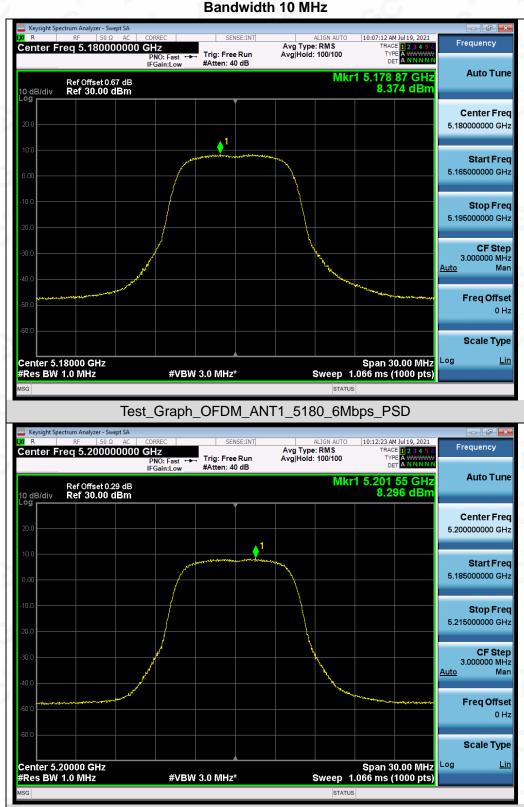
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna 1+3						
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail	
2.0	5745	5.81	12.80	27.89	Pass	
802.11n20	5785	5.87	12.86	27.89	Pass	
	5825	4.93	11.92	27.89	Pass	

Test Data of	Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-bandwidth 20 MHz of antenna						
		2	+4				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail		
®	5745	5.88	12.87	27.89	Pass		
802.11n20	5785	5.90	12.89	27.89	Pass		
	5825	5.25	12.24	27.89	Pass		





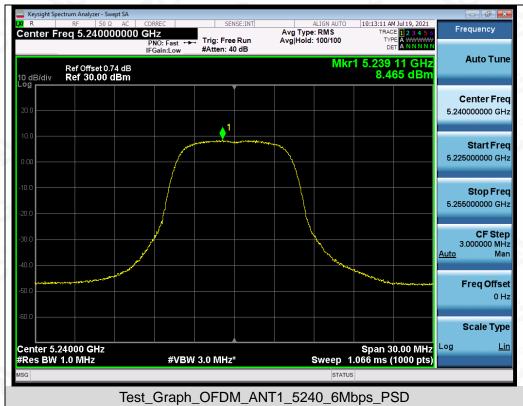
Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz Bandwidth 10 MHz

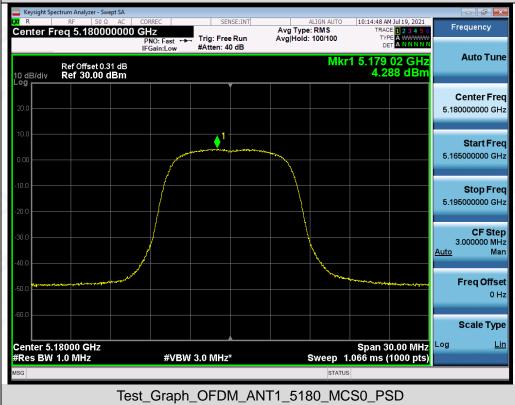


Test_Graph_OFDM_ANT1_5200_6Mbps_PSD

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the abdicated residual following or excerpting portion of, or altering the content of the report is not permitted without the written appropriation of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



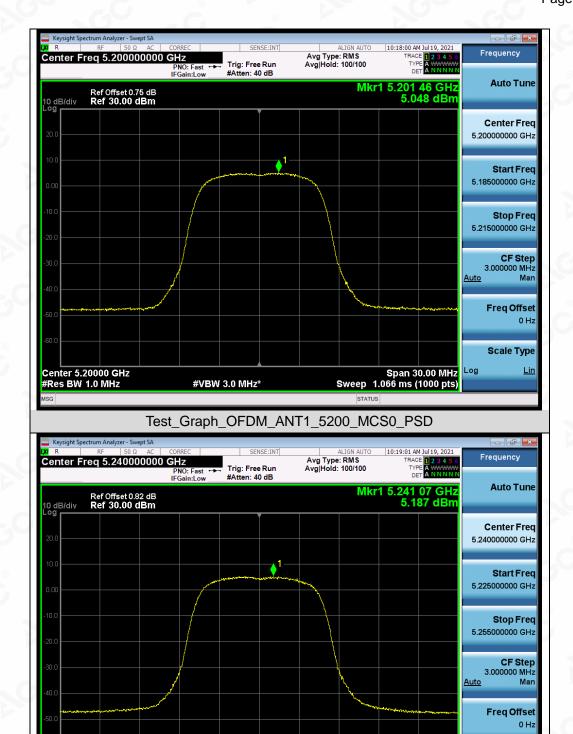




Scale Type

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





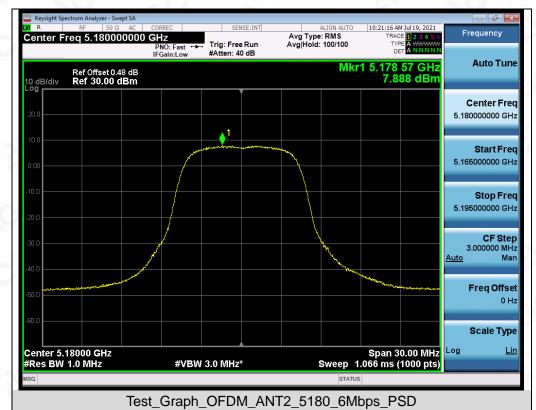
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

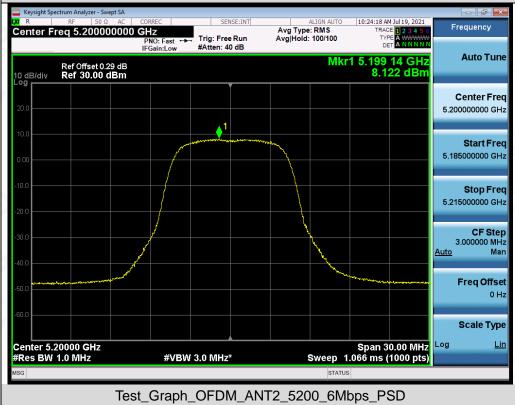
Test_Graph_OFDM_ANT1_5240_MCS0_PSD

#VBW 3.0 MHz*

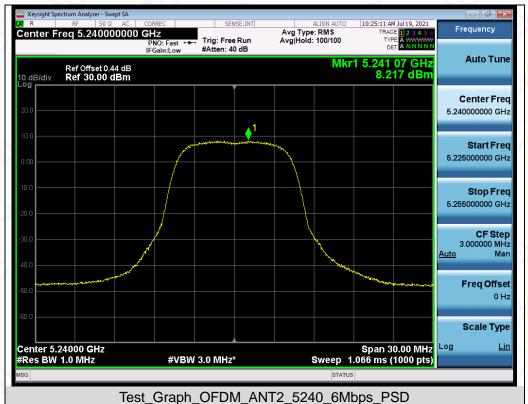
Center 5.24000 GHz #Res BW 1.0 MHz





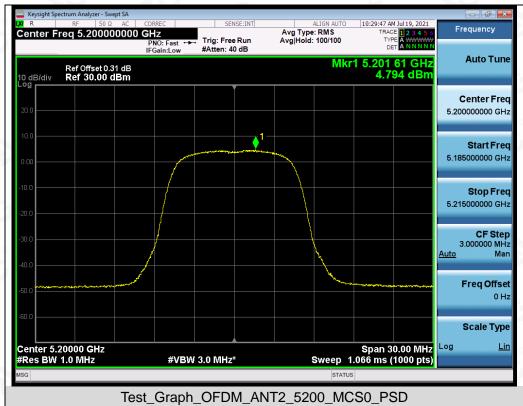


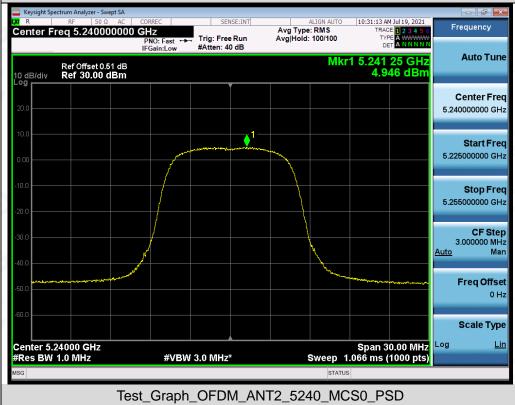




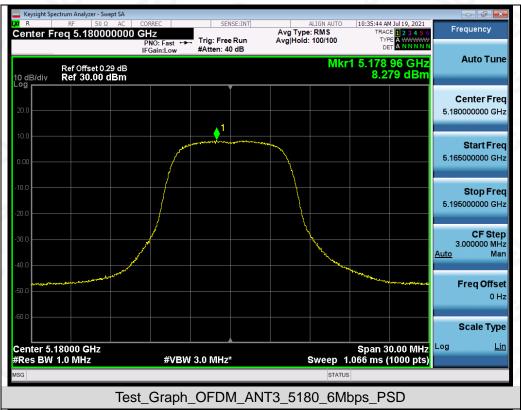






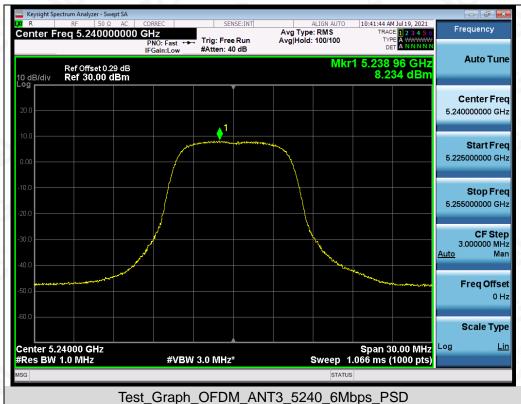


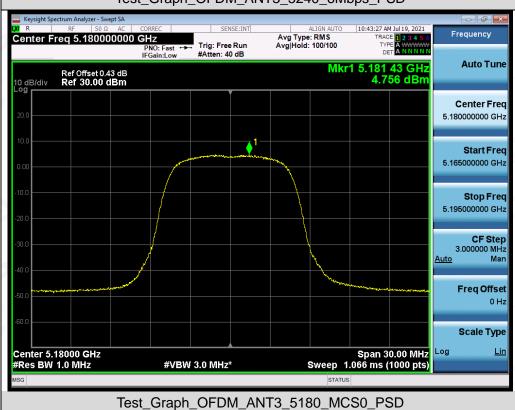




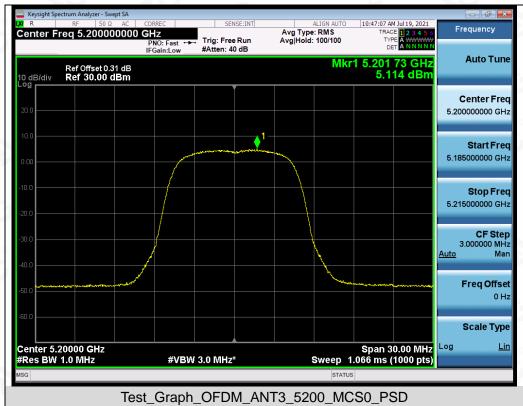


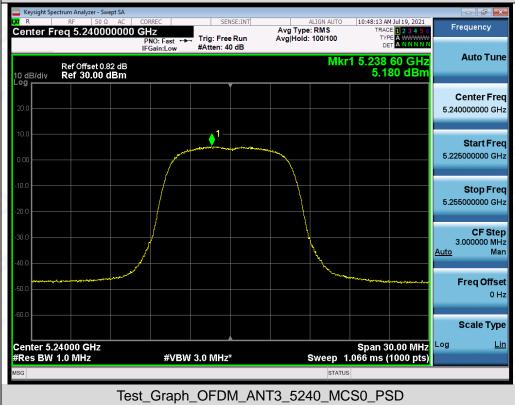




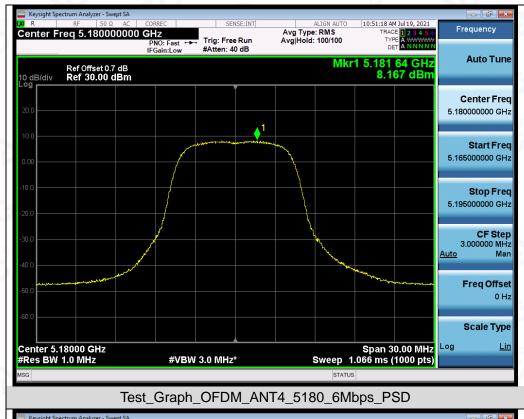


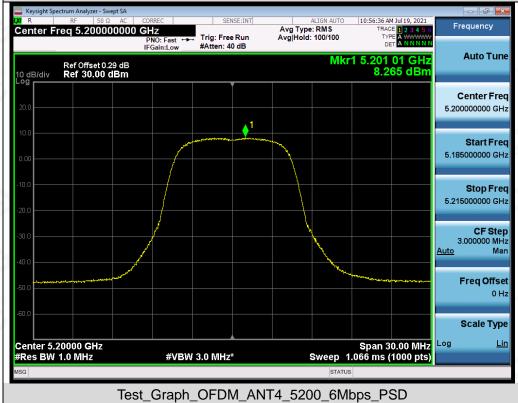




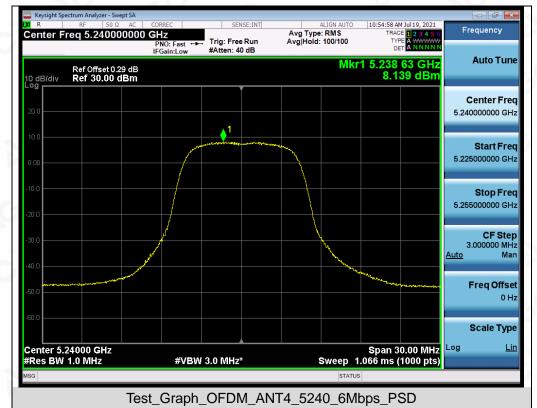


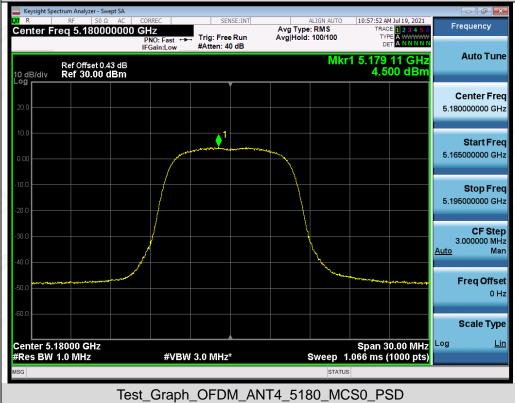




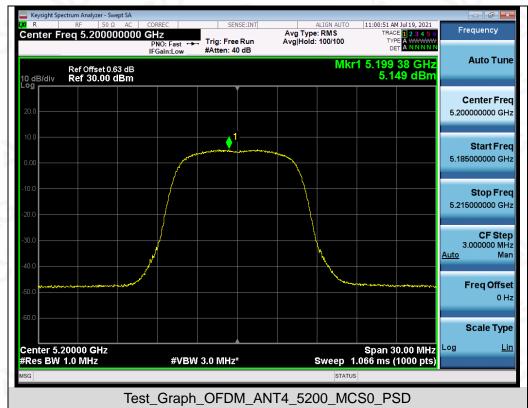


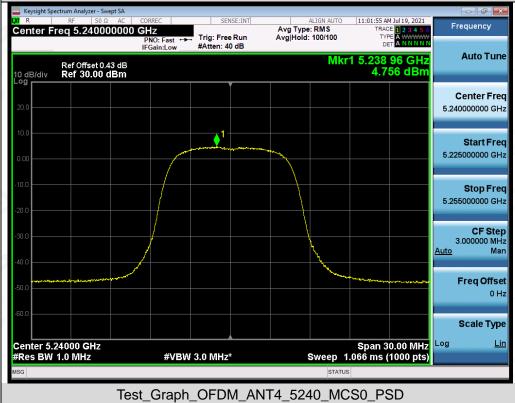


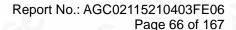






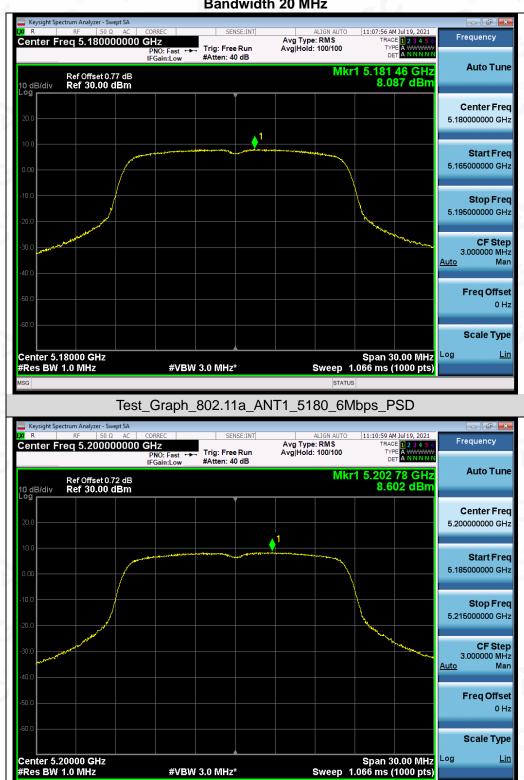








Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz Bandwidth 20 MHz



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day Safter the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

Test_Graph_802.11a_ANT1_5200_6Mbps_PSD









