

FCC Test Report

Report No.: AGC02115210402FE06

FCC ID : 2AG6IMPP4

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION: PARROT SKYCONTROLLER 4

BRAND NAME : PARROT

MODEL NAME : MPP4

APPLICANT: PARROT DRONE SAS

DATE OF ISSUE : Jul. 20, 2021

STANDARD(S) FCC Part 15.407

TEST PROCEDURE(S) KDB 789033 D02 v02r01

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

AGC





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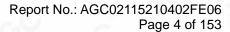
REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 20, 2021	Valid	Initial Release



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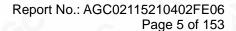
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1. VERIFICATION OF CONFORMITY

Applicant	PARROT DRONE SAS
Address	174 Quai de Jemmapes Paris, 75010 France
Manufacturer	Dashine Electronics Co., Ltd.
Address	No.53, Guangtian Road, Yanchuan community, Yanluo street, Bao'an District, ShenZhen, China
Factory	Dashine Electronics Co., Ltd.
Address	No.53, Guangtian Road, Yanchuan community, Yanluo street, Bao'an District ShenZhen, China
Product Designation	PARROT SKYCONTROLLER 4
Brand Name	PARROT
Test Model	MPP4
Date of test	Apr. 23, 2021~Jul. 20, 2021
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BGN/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By	John Zerog	
	John Zeng (Project Engineer)	Jul. 20, 2021
Reviewed By	Max Zhang	
	Max Zhang (Reviewer)	Jul. 20, 2021
Approved By	Formesticis	
	Forrest Lei (Authorized Officer)	Jul. 20, 2021

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as "PARROT SKYCONTROLLER 4". It is designed by way of utilizing the OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

	l EOT is described as following			
Operation Frequency	5150 MHz~5250MHz; 5725 MHz	~5850MHz		
Output Power(5G 10MHz)	OFDM with data rate 6:24.23dBm	OFDM with data rate 6:24.23dBm; OFDM with data rate MCS0:23.85dBm		
Output Power(5G MIMO)	OFDM with data rate MCS0:26.78	OFDM with data rate MCS0:26.78dBm		
Output Power(5G 20MHz)	IEEE 802.11A:24.63dBm; IEEE 80	02.11N:23.90dBm		
Output Power(5G MIMO)	IEEE 802.11N:26.77dBm			
Modulation	BPSK, QPSK, 16QAM, 64QAM, 1	28QAM, 256QAM, OFDM		
Modulation(5G 10MHz)	OFDM			
Number of channels	9			
Hardware Version	HW03			
Software Version	7.0.0	7.0.0		
Antenna Designation	FPCB antenna (Comply with requ	irements of the FCC part 15.203)		
Number of transmit chain(5G 10MHz)	2 (OFDM with data rate 6/ OFDM with data rate MCS0 uses two antennas, but OFDM with data rate 6 supports SISO, OFDM with data rate MCS0 supports MIMO)			
Number of transmit chain(5G 20MHz)	2 (802.11n/a uses two antennas, but 802.11a supports SISO, 802.11n supports MIMO)			
Antenna Gain	Band 1 Band 4 Ant 1:5.36dBi; Ant 2: 5.36dBi Ant 1:6.2dBi; Ant 2: 6.2dBi			
Power Supply	DC 11.55V by battery or DC 5V by adapter			

Note:

- 1. The EUT is designed as client devices without radar detection.
- 2. The device do not support TPC.



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2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency	Frequency Band	Channel Number	Frequency
	36	5180 MHz	8	149	5745 MHz
-C.	40	5200 MHz		153	5765 MHz
5150 GHz~ 5250GHz	44	5220 MHz	5725 GHz∼ 5850GHz	157	5785 MHz
3230 GI 12	48	5240 MHz	30303112	161	5805 MHz
GC C				165	5825MHz

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2.3. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AG6IMPP4** filing to comply with the FCC Part 15 requirements.

2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

Others testing (listed at item 5.3) was performed according to the procedures in FCC Part 15.407 rules KDB 789033 D02

2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device. For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.



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2.8. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency	TX	Bandwidth	Max Pea	k Gain (dBi)	Max Directional Gain
Type	Band (MHz)	Paths	(MHz)	Ant 1	Ant 2	(dBi)
5G WIFI FP	CB Antenna List	(5GHz 2*	2 MIMO)			
FPCB	5150 ~ 5250	2	10,20	5.36	5.36	8.37
Antenna	5725 ~ 5850	2	10,20	6.20	6.20	9.21

Note 1: The EUT supports Cyclic Delay Diversity (CDD) technology for 802.11n mode.

Note 2: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

If all antennas have the same gain, Gant, Directional gain = Gant + Array Gain, where Array Gain is as follows.

• For power spectral density (PSD) measurements on devices:

Array Gain = $10 \log (N_{ANT}/N_{SS}) dB = 3.01$;

For power measurements on IEEE 802.1devices:

Array Gain = 0 dB for $N_{ANT} \le 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥40 MHz for any NANT;

Array Gain = 5 log(Nant/Nss) dB or 3 dB, whichever is less, for 20 MHz channel widths with Nant ≥ 5.

If antenna gains are not equal, Directional gain may be calculated by using the formulas applicable to equal gain antennas with Gant set equal to the gain of the antenna having the highest gain.



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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%

Item	Measurement Uncertainty	
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 3.1 \text{ dB}$	
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 4.0 \text{ dB}$	
Uncertainty of Radiated Emission above 1GHz	$U_c = \pm 4.8 \text{ dB}$	
Uncertainty of total RF power, conducted	$U_c = \pm 0.8 \text{ dB}$	
Uncertainty of RF power density, conducted	$U_c = \pm 2.6 \text{ dB}$	
Uncertainty of spurious emissions, conducted	U _c = ±2 %	
Uncertainty of Occupied Channel Bandwidth	U _c = ±2 %	



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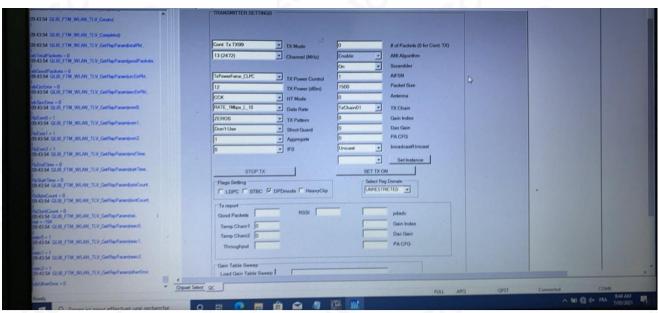
4. DESCRIPTION OF TEST MODES

Mode	Tested channel	Modulation	Date rate (Mbps)
802.11a/n20	36,40,48, 149,157,165	OFDM	6Mbps/MCS0
5G 10MHz	36,40,48, 149,157,165	OFDM	6Mbps/MCS0

Note:

- 1. The EUT has been set to operate continuously on tested channel individually, and the EUT is operating at its maximum duty cycle>or equal 98%.
- 2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.

Test software



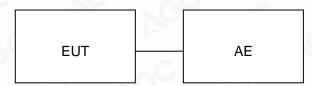


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5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:



5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	PARROT SKYCONTROLLER 4	MPP4	2AG6IMPP4	EUT
2	Adapter	TY0500100E1MN	N/A	AE
3	Type-C line	N/A	N/A	AE

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.407	6dB Bandwidth	Compliant
§15.407	Emission Bandwidth	Compliant
§15.407	Maximum conducted output power	Compliant
§15.407	Conducted Spurious Emission	Compliant
§15.407	Maximum Conducted Output Power Density	Compliant
§15.209	Radiated Emission	Compliant
§15.407	Band Edges	Compliant
§15.207	AC Line Conduction Emission	Compliant



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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd		
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China		
Designation Number	CN1259		
FCC Test Firm Registration Number	975832		
A2LA Cert. No.	5054.02		
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA		

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
TEST RECEIVER	R&S	ESPI	101206	May 13, 2021	May 12, 2022
LISN	R&S	ESH2-Z5	100086	Jul. 03,2020	Jul. 02,2021
LISN	R&S	ESH2-Z5	100086	Jun. 09, 2021	Jun. 08, 2022
Test software	R&S	ES-K1 (Ver V1.71)	N/A	N/A	N/A

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Apr. 14, 2021	Apr. 13, 2022
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 07, 2020	Dec. 06, 2021
Power sensor	Aglient	U2021XA	MY54110007	Jun. 08, 2020	Jun. 07, 2021
5GHz Fliter	EM Electronics	5150-5880MHz	N/A	Mar. 23, 2020	Mar. 22, 2022
Attenuator	ZHINAN	E-002	N/A	Sep. 03, 2020	Sep. 02, 2022
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.21, 2019	Sep. 20, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 17, 2019	May 16, 2021
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 15, 2021	May 14, 2023
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
ANTENNA	SCHWARZBECK	VULB9168	494	Sep. 20, 2019	Sep. 19, 2021
Test software	FARA	EZ-EMC(Ver.RA-03 A)	N/A	N/A	N/A



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7. MAXIMUM CONDUCTED OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

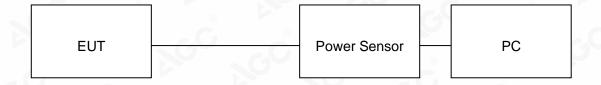
For average power test:

- 1. Connect EUT RF output port to power sensor through an RF attenuator.
- 2. Connect the power sensor to the PC.
- 3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 4. Record the maximum power from the software.

Note: The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

7.2. TEST SET-UP

AVERAGE POWER SETUP





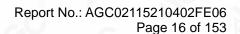
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7.3. LIMITS AND MEASUREMENT RESULT

Test Data o	Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 10 MHz of antenna 1					
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail		
OFDM III	5180	15.87	23.98	Pass		
OFDM with data rate 6	5200	15.97	23.98	Pass		
data rate o	5240	15.92	23.98	Pass		
OFDM with	5180	12.98	23.98	Pass		
data rate	5200	12.51	23.98	Pass		
MCS0	5240	12.62	23.98	Pass		

Test Data o	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 10 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
OEDM :	5745	23.74	29.8	Pass	
OFDM with data rate 6	5785	23.39	29.8	Pass	
data rate o	5825	23.30	29.8	Pass	
OFDM with	5745	23.84	29.8	Pass	
data rate	5785	23.66	29.8	Pass	
MCS0	5825	23.08	29.8	Pass	

Test Data o	Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 10 MHz of antenna 2					
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail		
650	5180	15.85	23.98	Pass		
OFDM with data rate 6	5200	15.82	23.98	Pass		
data rate 0	5240	15.52	23.98	Pass		
OFDM with data rate	5180	12.65	23.98	Pass		
	5200	12.99	23.98	Pass		
MCS0	5240	12.78	23.98	Pass		



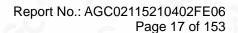


Test Data	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 10 MHz of antenna 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
05014	5745	24.12	29.8	Pass	
OFDM with data rate 6	5785	24.23	29.8	Pass	
data rate o	5825	23.73	29.8	Pass	
OFDM with	5745	23.69	29.8	Pass	
data rate	5785	23.85	29.8	Pass	
MCS0	5825	23.08	29.8	Pass	

Test Data	Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 10 MHz of antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
OFDM with	5180	15.83	21.61	Pass	
data rate	5200	15.77	21.61	Pass	
MCS0	5240	15.71	21.61	Pass	

Test Data o	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 10 MHz of antenna 1+2				
Test Mode	Test Channel	Average Power	Limits	Pass or Fail	
	(MHz)	(dBm)	(dBm)	1 855 01 1 811	
OFDM with	5745	26.78	26.79	Pass	
data rate	5785	26.77	26.79	Pass	
MCS0	5825	26.09	26.79	Pass	

Test Data o	Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 20 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
®	5180	18.82	23.98	Pass	
802.11a	5200	18.78	23.98	Pass	
0	5240	18.91	23.98	Pass	
	5180	15.59	23.98	Pass	
802.11n20	5200	15.71	23.98	Pass	
9 _ C	5240	16.01	23.98	Pass	





Test Data	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 20 MHz of antenna 1				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
©	5745	24.63	29.8	Pass	
802.11a	5785	24.49	29.8	Pass	
	5825	23.97	29.8	Pass	
©	5745	23.90	29.8	Pass	
802.11n20	5785	23.68	29.8	Pass	
	5825	23.13	29.8	Pass	

Test Data	Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 20 MHz of antenna 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail	
8	5180	18.99	23.98	Pass	
802.11a	5200	18.80	23.98	Pass	
	5240	18.58	23.98	Pass	
©	5180	16.07	23.98	Pass	
802.11n20	5200	15.79	23.98	Pass	
0	5240	16.03	23.98	Pass	

Test Data	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 20 MHz of antenna 2						
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail			
	5745	24.05	29.8	Pass			
802.11a	5785	23.77	29.8	Pass			
- 60	5825	23.31	29.8	Pass			
	5745	23.63	29.8	Pass			
802.11n20	5785	23.59	29.8	Pass			
-G	5825	23.20	29.8	Pass			

Test Data of Conducted Output Power for band 5.15-5.25 GHz- Bandwidth 20 MHz of antenna 1+2						
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail		
	5180	18.85	21.61	Pass		
802.11n20	5200	18.76	21.61	Pass		
	5240	19.03	21.61	Pass		

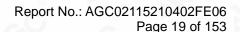


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Test Data	Test Data of Conducted Output Power for band 5.725-5.85 GHz- Bandwidth 20 MHz of antenna 1+2						
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail			
8	5745	26.77	26.79	Pass			
802.11n20	5785	26.65	26.79	Pass			
	5825	26.18	26.79	Pass			

Note: 1.E.I.R.P (dBm) = Average Output Power (dBm) + Antenna Gain (dBi).

2. The Total Average Power (dBm) = $10*\log \{10^{(Ant \ 1 \ Average \ Power \ /10)} + 10^{(Ant \ 2 \ Average \ Power \ /10)}\}$.





8. BANDWIDTH

8.1. MEASUREMENT PROCEDURE

-6dB bandwidth (DTS bandwidth):

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on operation frequency individually.
- 3. Set RBW = 100kHz.
- 4. Set the VBW ≥3*RBW. Detector = Peak. Trace mode = max hold.
- 5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.

99% occupied bandwidth:

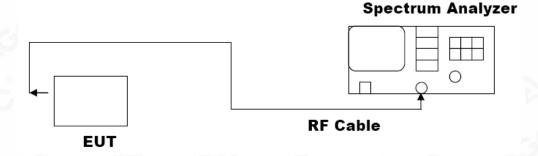
- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel
 The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video
 bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
- 4. Set SPA Trace 1 Max hold, then View.

-26dB Bandwidth:

- 1. Set RBW = approximately 1% of the emission bandwidth.
- 2. Set the VBW > RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Note: The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

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





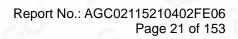
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8.3. LIMITS AND MEASUREMENT RESULTS

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz- Bandwidth 10 MHz of antenna 1					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
	5180	8.170	9.439	N/A	Pass
OFDM with data rate 6	5200	8.198	9.705	N/A	Pass
1410 0	5240	8.185	9.532	N/A	Pass
OFDM with data rate MCS0	5180	8.757	10.158	N/A	Pass
	5200	8.751	10.169	N/A	Pass
	5240	8.743	9.989	N/A	Pass

Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz- Bandwidth 10 MHz of antenna 1					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
OFDM with data rate 6	5745	8.261	7.809	0.5	Pass
	5785	8.280	7.671	0.5	Pass
	5825	8.266	7.822	0.5	Pass
OFDM with data rate MCS0	5745	8.831	8.058	0.5	Pass
	5785	8.831	7.906	0.5	Pass
	5825	8.822	8.079	0.5	Pass

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz- Bandwidth 10 MHz of antenna 2						
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail	
	5180	8.195	9.539	N/A	Pass	
OFDM with data rate 6	5200	8.185	9.695	N/A	Pass	
Tuto o	5240	8.193	9.522	N/A	Pass	
	5180	8.727	10.084	N/A	Pass	
OFDM with data rate MCS0	5200	8.742	10.014	N/A	Pass	
	5240	8.731	10.038	N/A	Pass	





Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz- Bandwidth 10 MHz of antenna 2					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
OFDM with data rate 6	5745	8.237	7.710	0.5	Pass
	5785	8.263	7.820	0.5	Pass
1410 0	5825	8.289	7.842	0.5	Pass
OFDM with data rate MCS0	5745	8.808	7.860	0.5	Pass
	5785	8.816	7.838	0.5	Pass
	5825	8.800	7.843	0.5	Pass

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz- Bandwidth 20 MHz of antenna 1					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.280	18.930	N/A	Pass
	5200	16.287	19.049	N/A	Pass
	5240	16.265	19.166	N/A	Pass
802.11n20	5180	17.373	19.784	N/A	Pass
	5200	17.383	19.653	N/A	Pass
	5240	17.380	19.871	N/A	Pass

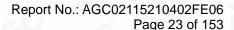
Test I	Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz-					
		Bandwidth 20 MHz	of antenna 1			
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail	
802.11a	5745	16.383	15.118	0.5	Pass	
	5785	16.419	15.103	0.5	Pass	
	5825	16.402	15.116	0.5	Pass	
®	5745	17.463	15.138	0.5	Pass	
802.11n20	5785	17.495	15.112	0.5	Pass	
~ GO	5825	17.445	15.108	0.5	Pass	



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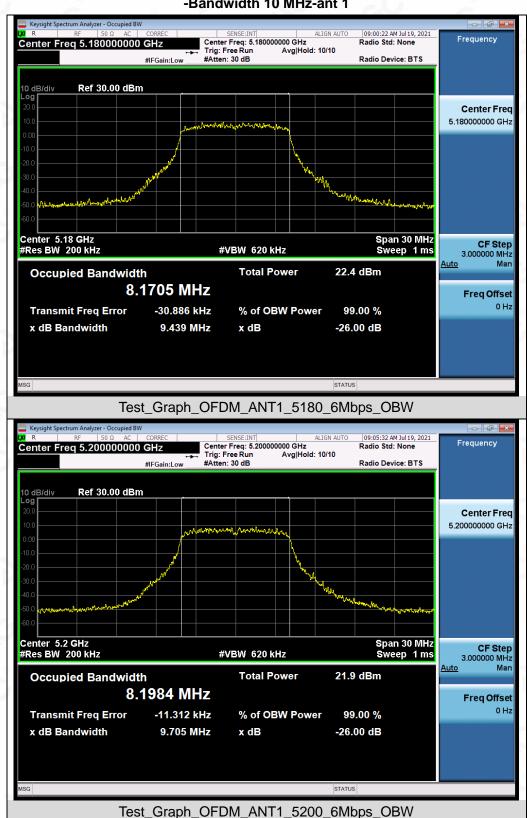
Test I	Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz-					
	I	Bandwidth 20 MHz o	of antenna 2			
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail	
	5180	16.270	19.085	N/A	Pass	
802.11a	5200	16.279	18.957	N/A	Pass	
	5240	16.275	19.334	N/A	Pass	
0	5180	17.379	20.290	N/A	Pass	
802.11n20	5200	17.383	19.419	N/A	Pass	
	5240	17.387	19.478	N/A	Pass	

Test I	Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz-					
	1	Bandwidth 20 MHz	of antenna 2			
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail	
100	5745	16.378	15.097	0.5	Pass	
802.11a	5785	16.407	15.114	0.5	Pass	
	5825	16.399	15.304	0.5	Pass	
g ⁰ c	5745	17.503	15.110	0.5	Pass	
802.11n20	5785	17.511	15.078	0.5	Pass	
	5825	17.471	15.112	0.5	Pass	

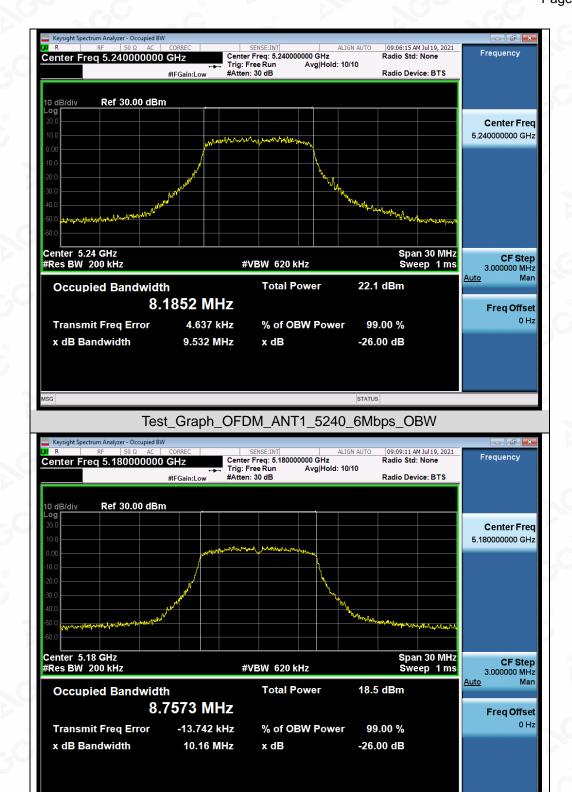




Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz -Bandwidth 10 MHz-ant 1



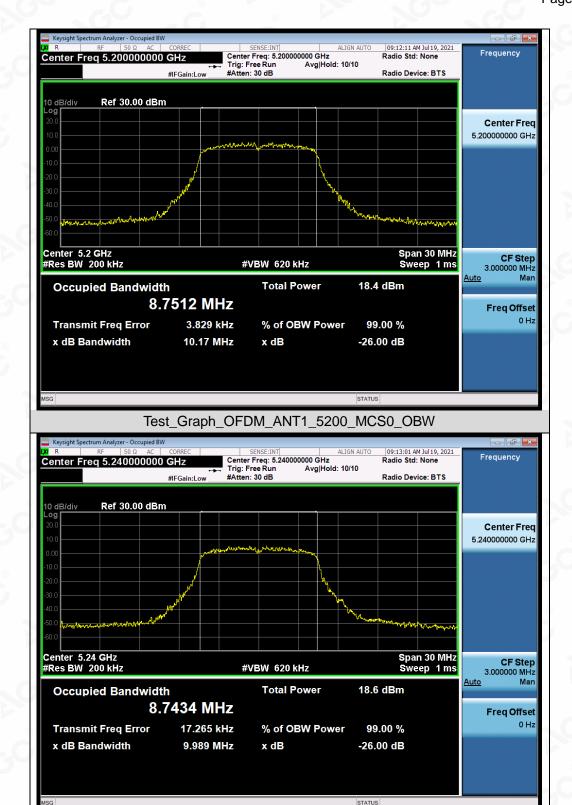




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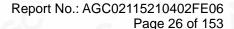
Test_Graph_OFDM_ANT1_5180_MCS0_OBW





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Test_Graph_OFDM_ANT1_5240_MCS0_OBW



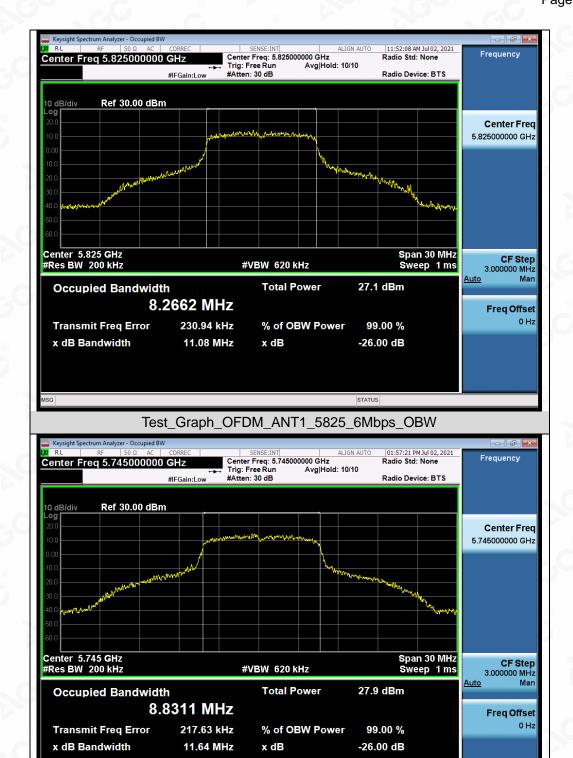


Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz -Bandwidth 10 MHz-ant 1



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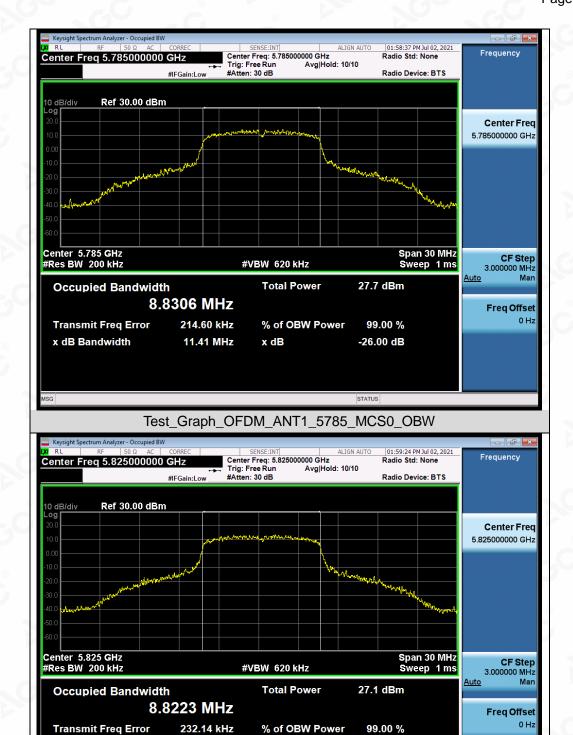




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Test_Graph_OFDM_ANT1_5745_MCS0_OBW





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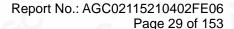
x dB

Test_Graph_OFDM_ANT1_5825_MCS0_OBW

-26.00 dB

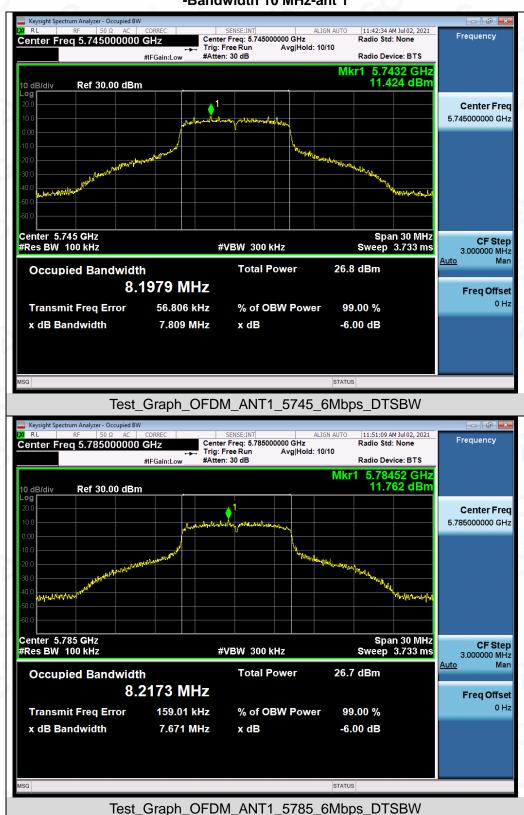
12.22 MHz

x dB Bandwidth

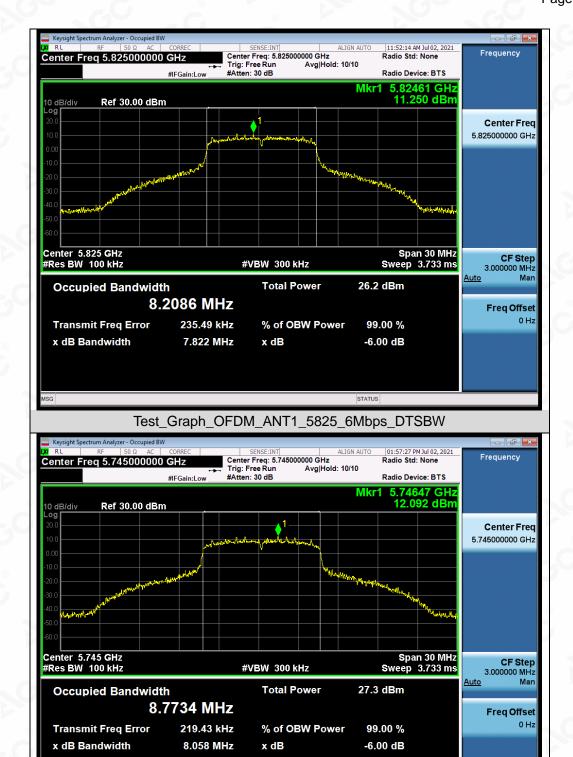




Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz -Bandwidth 10 MHz-ant 1



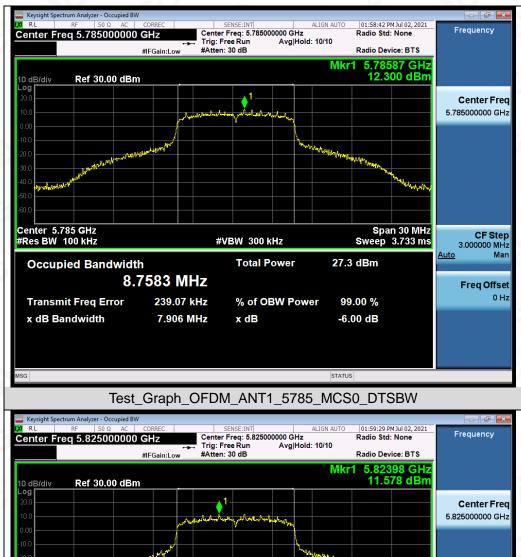


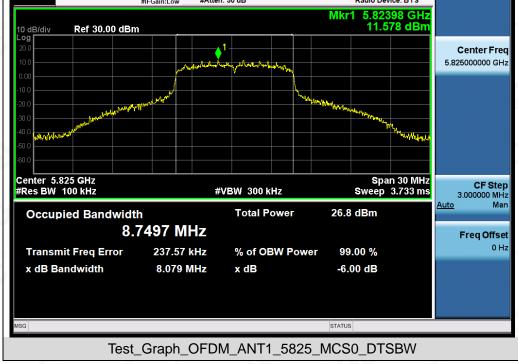


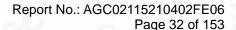
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Test_Graph_OFDM_ANT1_5745_MCS0_DTSBW



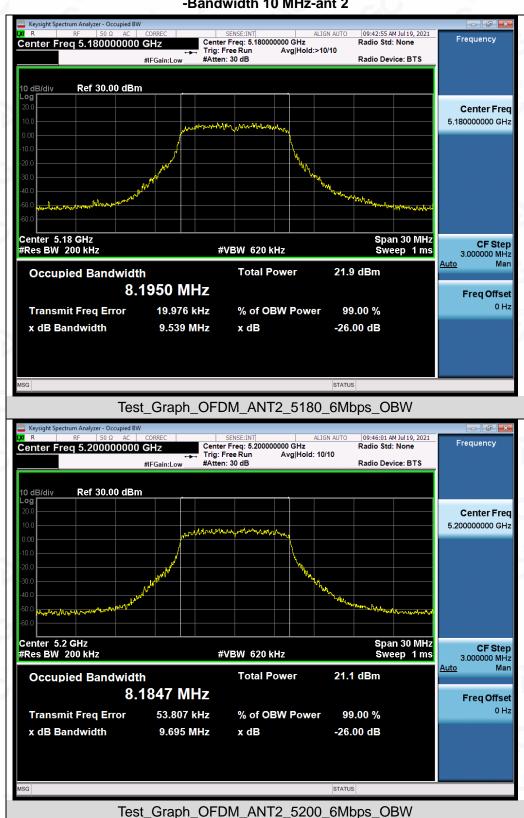






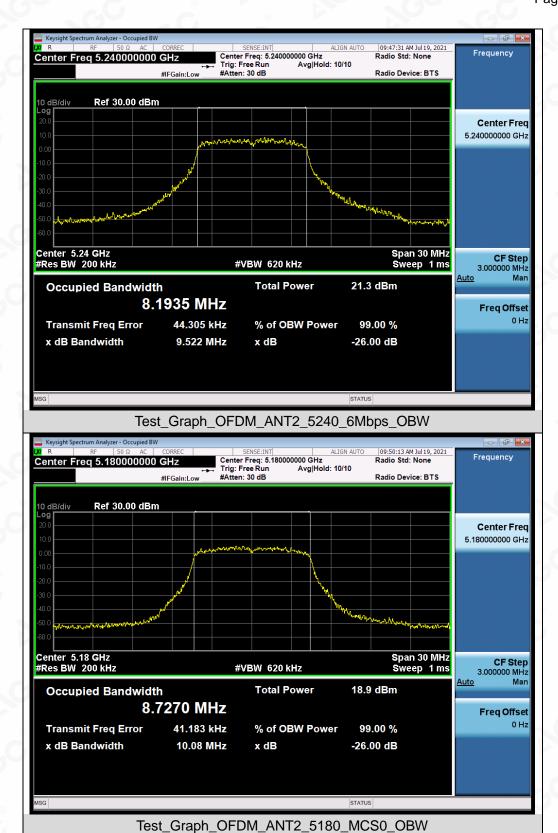


Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz -Bandwidth 10 MHz-ant 2

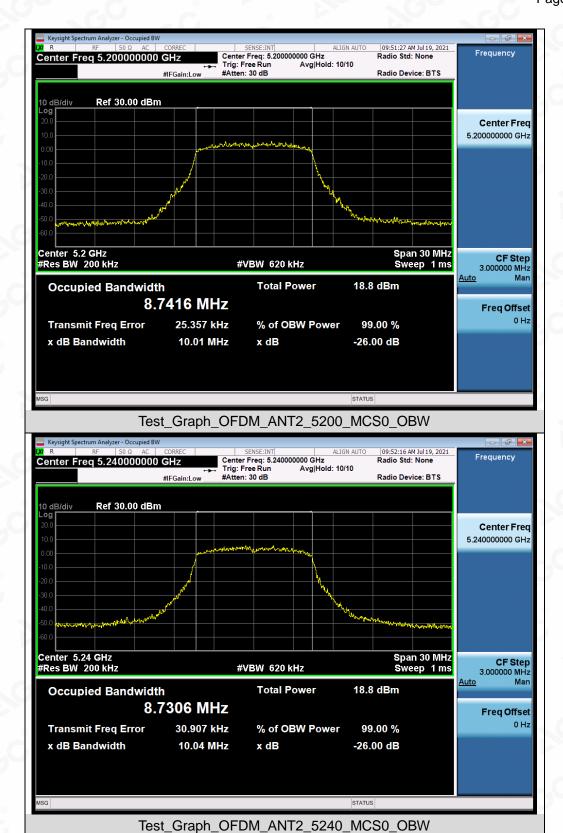


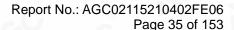
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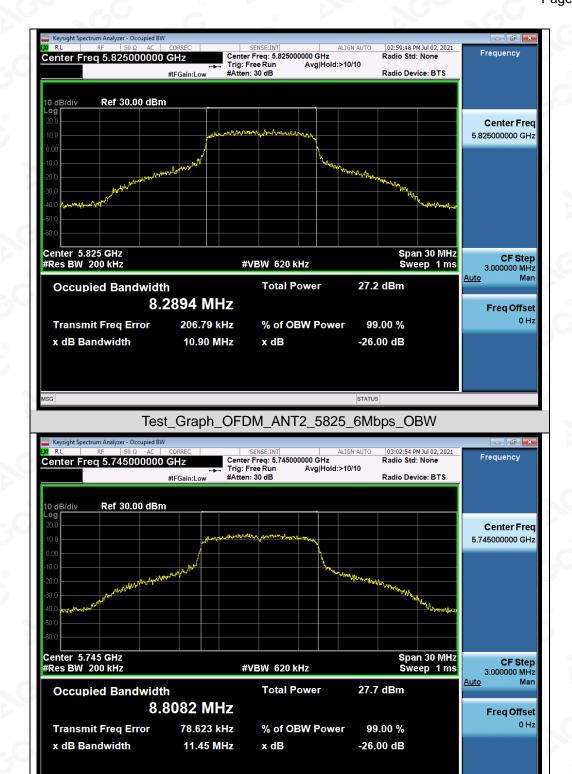




Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz -Bandwidth 10 MHz-ant 2



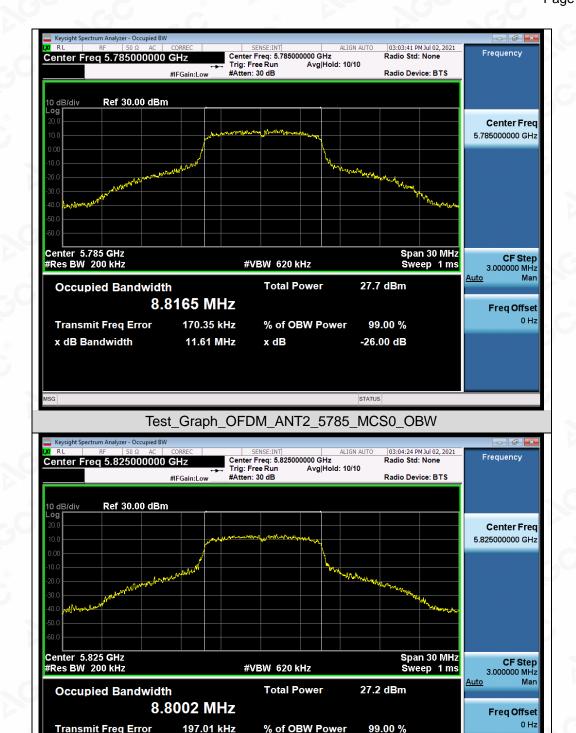




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Test_Graph_OFDM_ANT2_5745_MCS0_OBW





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x dB

Test_Graph_OFDM_ANT1_5825_MCS0_OBW

-26.00 dB

11.80 MHz

Transmit Freq Error x dB Bandwidth