

RF Test Data for 5G Wi-Fi
(Conducted Measurements)

General Description of EUT	
EUT Name:	POS System
Model:	ODS-156
Sample ID:	HC-C-202512-0041-01-01#
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	AC 120V/60Hz
Test Engineer:	Gold Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202512-0041-23	

Contents

1: Emission Bandwidth	3
1.1 Test Result	3
1.2 Test Graphs	4
2: Occupied channel bandwidth	9
2.1 Test Result	9
2.2 Test Graphs	10
3: Min emission bandwidth	17
3.1 Test Result-B4	17
3.2 Test Graphs-B4	18
4: Duty Cycle	20
4.1 Test Result	20
4.2 Test Graphs	21
5: Maximum conducted output power	24
5.1 Test Result	24
6: Maximum power spectral density	25
6.1 Test Result	25
6.2 Test Graphs	26
7: Band edge measurements	33
7.1 Test Result B1/2/3	33
7.2 Test Result B4	34
7.3 Test Graphs B1/2/3	35
7.4 Test Graphs B4	38
8: Frequency Stability	40
8.1 Test Result	40
9: Emissions in Restricted Bands	45
9.1 Test Result	45
9.2 Test Graphs	49

1: Emission Bandwidth

1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.960	5169.720	5190.680	---	---
11A	Ant1	5200	20.440	5189.960	5210.400	---	---
11A	Ant1	5240	20.680	5229.840	5250.520	---	---
11A	Ant1	5260	20.280	5249.840	5270.120	---	---
11A	Ant1	5280	20.840	5269.480	5290.320	---	---
11A	Ant1	5320	20.560	5309.800	5330.360	---	---
11A	Ant1	5500	20.720	5489.720	5510.440	---	---
11A	Ant1	5580	20.800	5569.640	5590.440	---	---
11A	Ant1	5700	21.080	5689.640	5710.720	---	---
11AC20SISO	Ant1	5180	20.800	5169.720	5190.520	---	---
11AC20SISO	Ant1	5200	20.920	5189.840	5210.760	---	---
11AC20SISO	Ant1	5240	21.040	5229.560	5250.600	---	---
11AC20SISO	Ant1	5260	20.640	5249.720	5270.360	---	---
11AC20SISO	Ant1	5280	21.120	5269.480	5290.600	---	---
11AC20SISO	Ant1	5320	20.960	5309.720	5330.680	---	---
11AC20SISO	Ant1	5500	21.080	5489.680	5510.760	---	---
11AC20SISO	Ant1	5580	21.120	5569.400	5590.520	---	---
11AC20SISO	Ant1	5700	22.880	5689.400	5712.280	---	---
11AC40SISO	Ant1	5190	41.360	5169.440	5210.800	---	---
11AC40SISO	Ant1	5230	41.040	5209.680	5250.720	---	---
11AC40SISO	Ant1	5270	40.720	5249.600	5290.320	---	---
11AC40SISO	Ant1	5310	41.200	5289.200	5330.400	---	---
11AC40SISO	Ant1	5510	41.440	5489.360	5530.800	---	---
11AC40SISO	Ant1	5550	41.360	5529.200	5570.560	---	---
11AC40SISO	Ant1	5670	41.200	5649.520	5690.720	---	---
11AC80SISO	Ant1	5210	80.160	5170.160	5250.320	---	---
11AC80SISO	Ant1	5290	80.480	5249.840	5330.320	---	---
11AC80SISO	Ant1	5530	80.160	5490.000	5570.160	---	---
11AC80SISO	Ant1	5610	81.760	5569.360	5651.120	---	---

1.2 Test Graphs



11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240



11A-Ant1-5260



11A-Ant1-5280



11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



11A-Ant1-5700



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



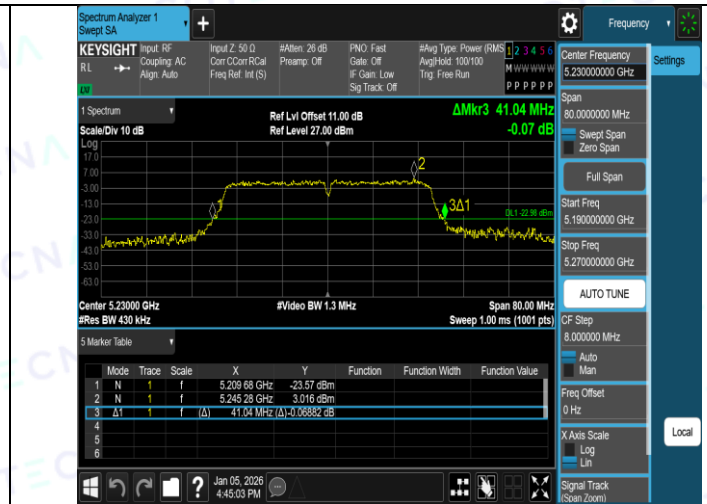
11AC20SISO-Ant1-5580



11AC20SISO-Ant1-5700



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC40SISO-Ant1-5270



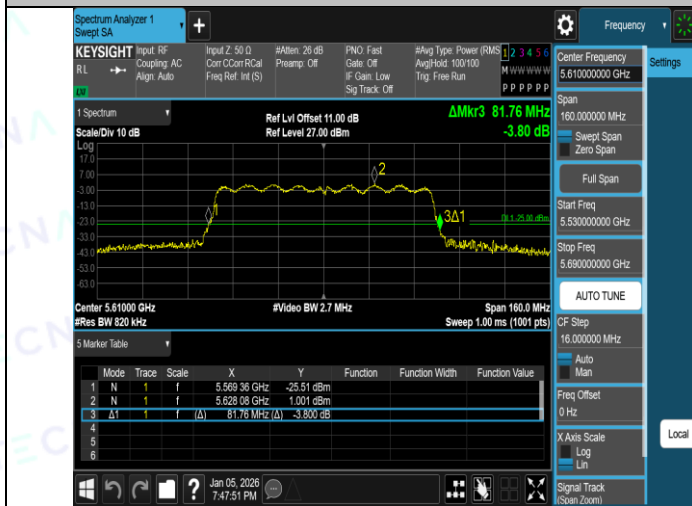
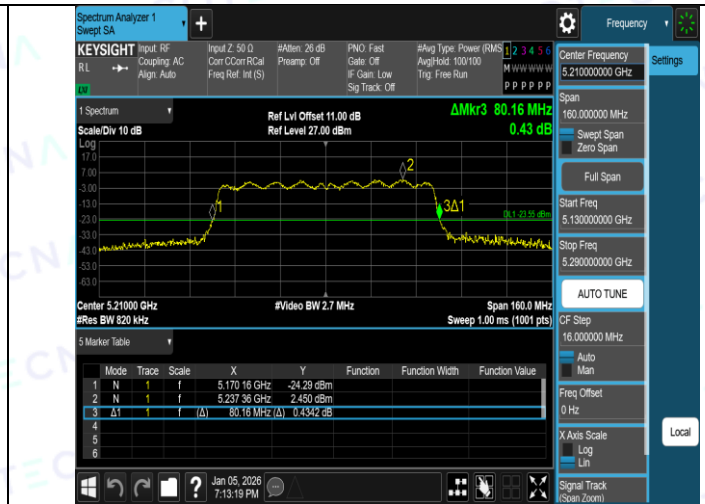
11AC40SISO-Ant1-5310



11AC40SISO-Ant1-5510



11AC40SISO-Ant1-5550



11AC80SISO-Ant1-5610

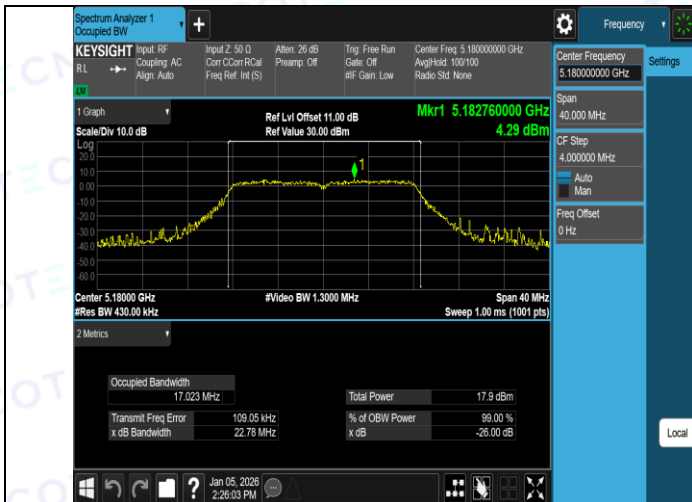


2: Occupied channel bandwidth

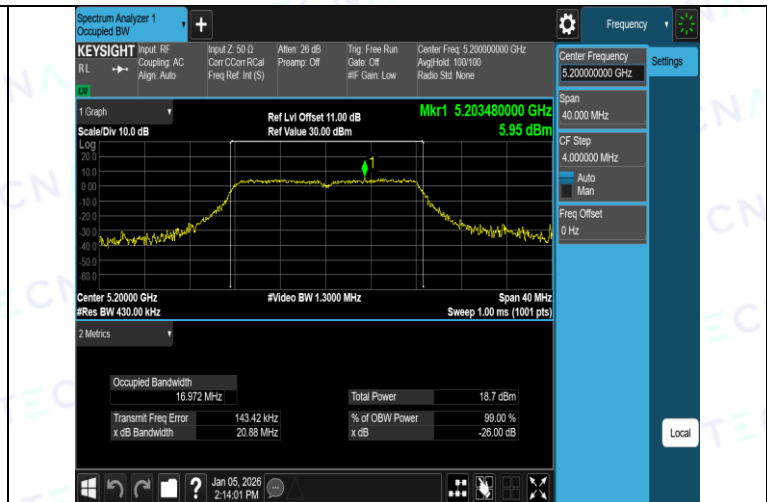
2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.023	5171.5976	5188.6206	---	---
11A	Ant1	5200	16.972	5191.6574	5208.6294	---	---
11A	Ant1	5240	16.925	5231.5883	5248.5133	---	---
11A	Ant1	5260	16.951	5251.6138	5268.5648	---	---
11A	Ant1	5280	16.914	5271.5966	5288.5106	---	---
11A	Ant1	5320	16.918	5311.5571	5328.4751	---	---
11A	Ant1	5500	16.923	5491.6410	5508.5640	---	---
11A	Ant1	5580	17.045	5571.5244	5588.5694	---	---
11A	Ant1	5700	17.125	5691.5399	5708.6649	---	---
11A	Ant1	5745	17.327	5736.4173	5753.7443	---	---
11A	Ant1	5785	17.129	5776.4661	5793.5951	---	---
11A	Ant1	5825	16.971	5816.5921	5833.5631	---	---
11AC20SISO	Ant1	5180	17.921	5171.0953	5189.0163	---	---
11AC20SISO	Ant1	5200	17.831	5191.1909	5209.0219	---	---
11AC20SISO	Ant1	5240	17.810	5231.1749	5248.9849	---	---
11AC20SISO	Ant1	5260	17.897	5251.0983	5268.9953	---	---
11AC20SISO	Ant1	5280	17.911	5271.0914	5289.0024	---	---
11AC20SISO	Ant1	5320	17.859	5311.1143	5328.9733	---	---
11AC20SISO	Ant1	5500	17.948	5491.1390	5509.0870	---	---
11AC20SISO	Ant1	5580	17.948	5571.0551	5589.0031	---	---
11AC20SISO	Ant1	5700	17.920	5691.1589	5709.0789	---	---
11AC20SISO	Ant1	5745	18.169	5736.0437	5754.2127	---	---
11AC20SISO	Ant1	5785	18.094	5775.9912	5794.0852	---	---
11AC20SISO	Ant1	5825	17.892	5816.0988	5833.9908	---	---
11AC40SISO	Ant1	5190	36.203	5172.0951	5208.2981	---	---
11AC40SISO	Ant1	5230	36.172	5212.0497	5248.2217	---	---
11AC40SISO	Ant1	5270	36.298	5251.9305	5288.2285	---	---
11AC40SISO	Ant1	5310	36.283	5291.8942	5328.1772	---	---
11AC40SISO	Ant1	5510	36.268	5491.9997	5528.2677	---	---
11AC40SISO	Ant1	5550	36.299	5531.9095	5568.2085	---	---
11AC40SISO	Ant1	5670	36.475	5651.8381	5688.3131	---	---
11AC40SISO	Ant1	5755	36.693	5736.7896	5773.4826	---	---
11AC40SISO	Ant1	5795	36.533	5776.8618	5813.3948	---	---
11AC80SISO	Ant1	5210	75.255	5172.8014	5248.0564	---	---
11AC80SISO	Ant1	5290	75.287	5252.4302	5327.7172	---	---
11AC80SISO	Ant1	5530	75.358	5492.4810	5567.8390	---	---
11AC80SISO	Ant1	5610	75.534	5572.3443	5647.8783	---	---
11AC80SISO	Ant1	5775	75.606	5737.4893	5813.0953	---	---

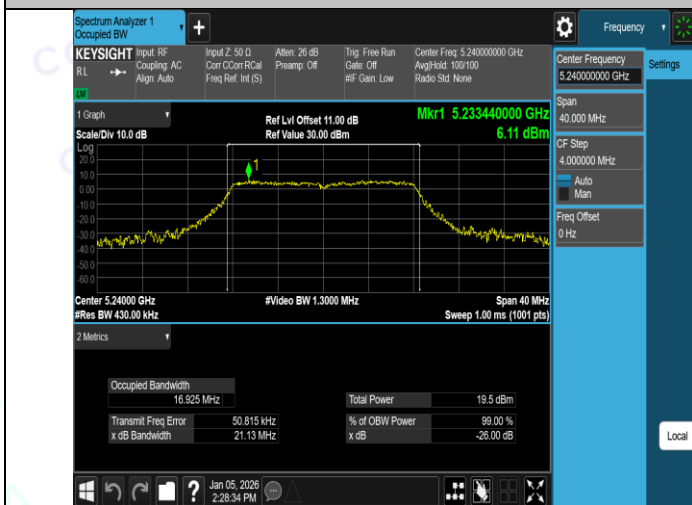
2.2 Test Graphs



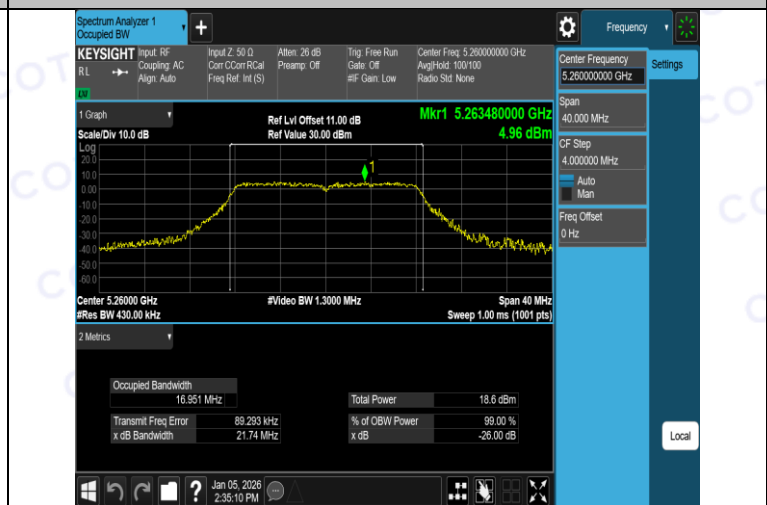
11A-Ant1-5180



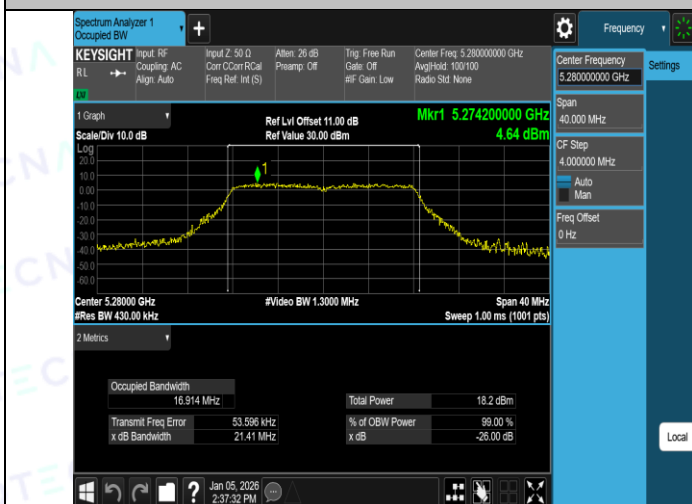
11A-Ant1-5200



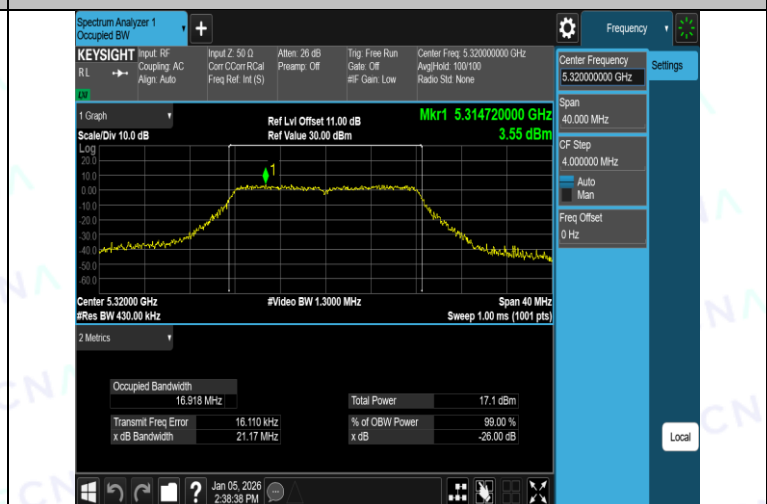
11A-Ant1-5240



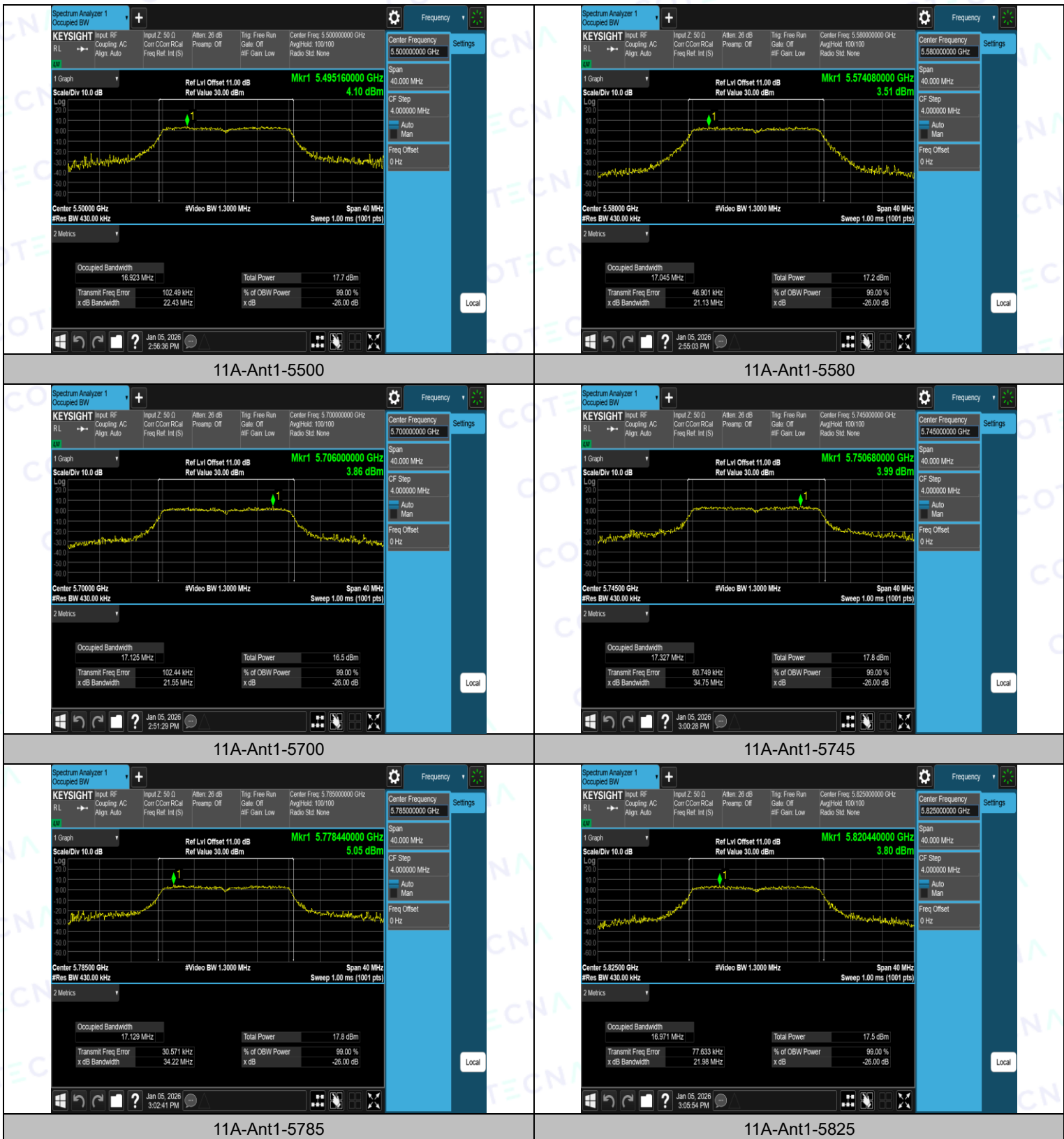
11A-Ant1-5260

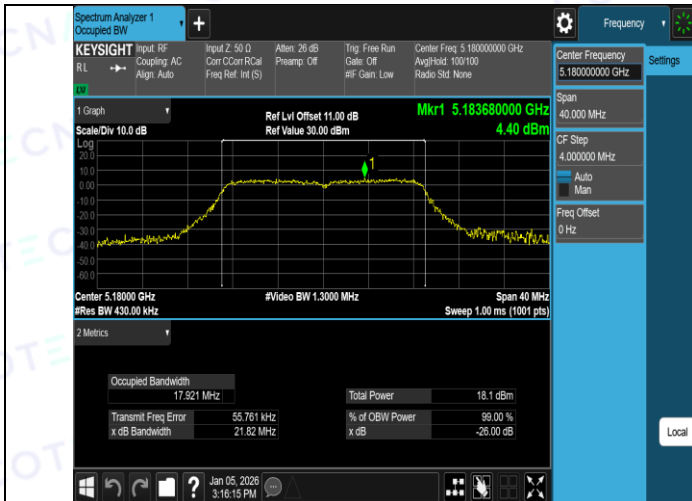


11A-Ant1-5280

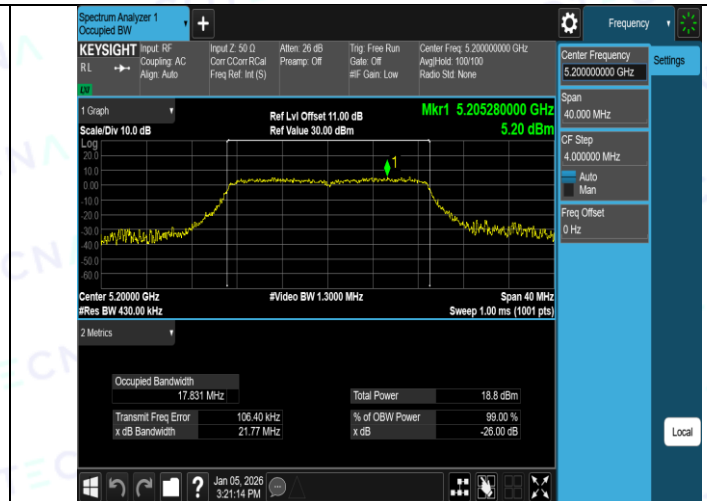


11A-Ant1-5320

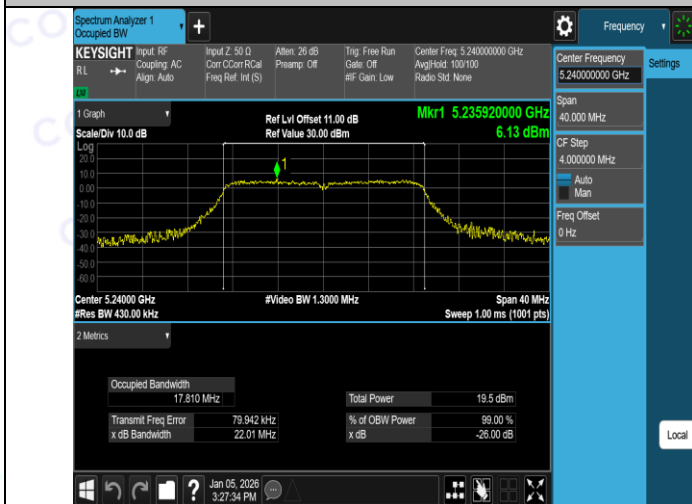




11AC20SISO-Ant1-5180



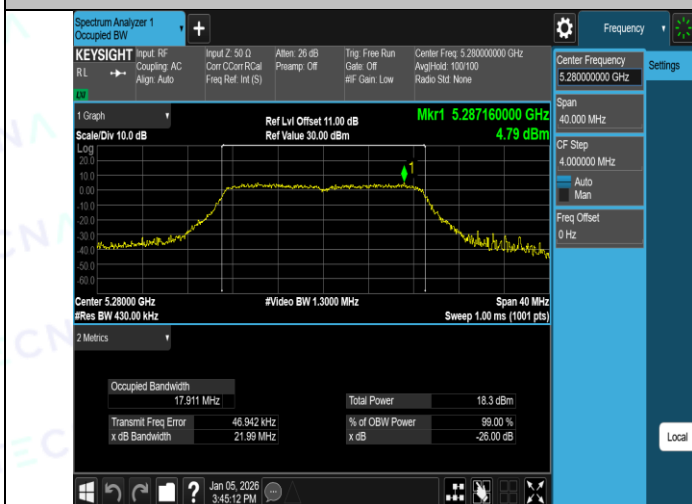
11AC20SISO-Ant1-5200



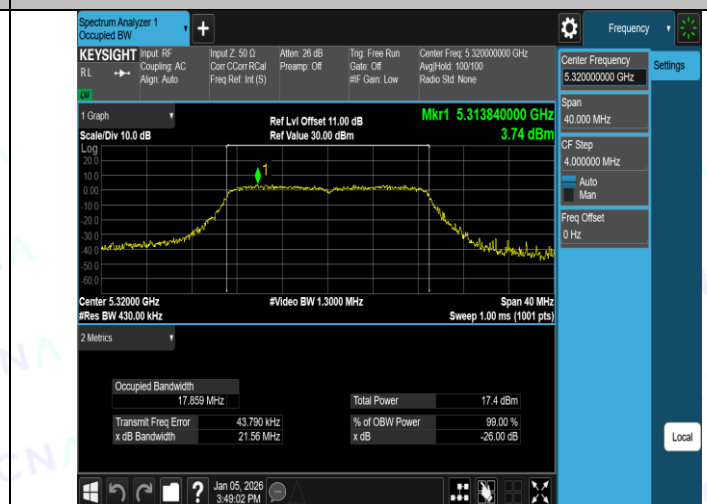
11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5280



11AC20SISO-Ant1-5320

