

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2AZ2R-M6

Company : Shenzhen USEER Robotics Co.,Ltd.

EUT : Robotic Vacuum Cleaner

Model Number : M6

Report No. : CTA25092202303

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.960	5168.400	5191.360	---	---
		5200	23.080	5188.640	5211.720	---	---
		5240	23.400	5228.640	5252.040	---	---
		5260	23.040	5248.760	5271.800	---	---
		5280	23.000	5268.440	5291.440	---	---
		5320	23.320	5308.320	5331.640	---	---
		5500	23.600	5488.200	5511.800	---	---
		5580	23.760	5568.120	5591.880	---	---
		5700	23.480	5687.920	5711.400	---	---
		5745	24.080	5733.080	5757.160	---	---
		5785	23.600	5773.200	5796.800	---	---
		5825	23.440	5813.200	5836.640	---	---
11N20SISO	Ant1	5180	23.640	5168.160	5191.800	---	---
		5200	24.200	5188.280	5212.480	---	---
		5240	23.400	5228.400	5251.800	---	---
		5260	22.640	5248.760	5271.400	---	---
		5280	24.720	5267.360	5292.080	---	---
		5320	23.480	5308.280	5331.760	---	---
		5500	23.840	5487.920	5511.760	---	---
		5580	23.880	5567.880	5591.760	---	---
		5700	24.600	5687.640	5712.240	---	---
		5745	25.200	5731.960	5757.160	---	---
		5785	24.440	5773.080	5797.520	---	---
		5825	25.000	5812.120	5837.120	---	---

Test Graphs



11A_Ant1_5200

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.200000000 GHz

Ref Offset 0.3 dB
Ref 20.00 dBm

Trig: Free Run
#Att: 30 dB

#Avg Type: RMS
Avg/Hold: 100/100

05:38:06 AM Mar 17, 2026

TYPE: M
DET: P P P P P P

10 dB/div
Log

ΔMkr3 23.08 MHz
0.669 dB

2

3Δ1

-18.55 dBm

Center 5.20000 GHz
#Res BW 620 kHz
#VBW 2.0 MHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.18864 GHz	-18.667 dBm			
2	N	1	f	5.19720 GHz	9.451 dBm			
Δ1	1	f	(Δ)	23.08 MHz (Δ)	0.669 dB			

Frequency

Auto Tune

Center Freq
5.200000000 GHz

Start Freq
5.180000000 GHz

Stop Freq
5.220000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz

11A_Ant1_5240



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.223	5171.4486	5188.6716	---	---
		5200	17.282	5191.4503	5208.7323	---	---
		5240	17.207	5231.4298	5248.6368	---	---
		5260	17.241	5251.4102	5268.6512	---	---
		5280	17.256	5271.4120	5288.6680	---	---
		5320	17.166	5311.4472	5328.6132	---	---
		5500	17.240	5491.4283	5508.6683	---	---
		5580	17.239	5571.4193	5588.6583	---	---
		5700	17.223	5691.3997	5708.6227	---	---
		5745	17.695	5736.1865	5753.8815	---	---
		5785	17.650	5776.1967	5793.8467	---	---
		5825	17.632	5816.1938	5833.8258	---	---
11N20SISO	Ant1	5180	18.290	5170.8831	5189.1731	---	---
		5200	18.246	5190.9364	5209.1824	---	---
		5240	18.280	5230.8994	5249.1794	---	---
		5260	18.223	5250.9104	5269.1334	---	---
		5280	18.189	5270.9137	5289.1027	---	---
		5320	18.248	5310.9075	5329.1555	---	---
		5500	18.298	5490.8575	5509.1555	---	---
		5580	18.265	5570.8995	5589.1645	---	---
		5700	18.233	5690.8797	5709.1127	---	---
		5745	18.621	5735.6859	5754.3069	---	---
		5785	18.698	5775.6629	5794.3609	---	---
		5825	18.722	5815.6178	5834.3398	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



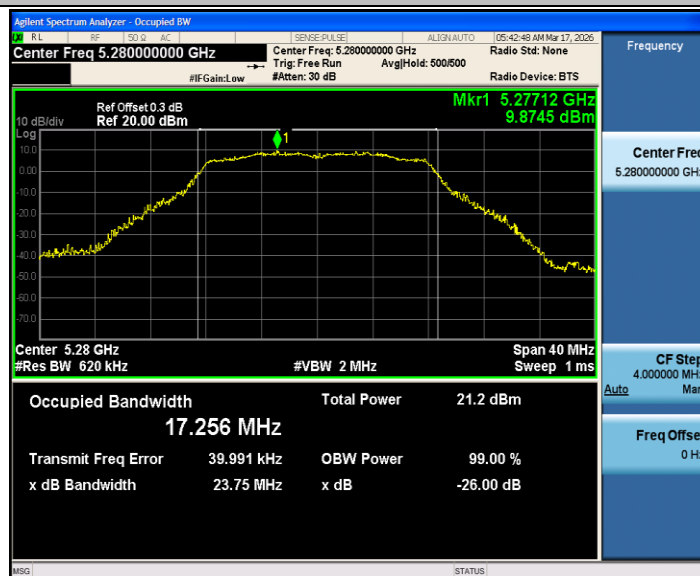
11A_Ant1_5240



11A_Ant1_5260



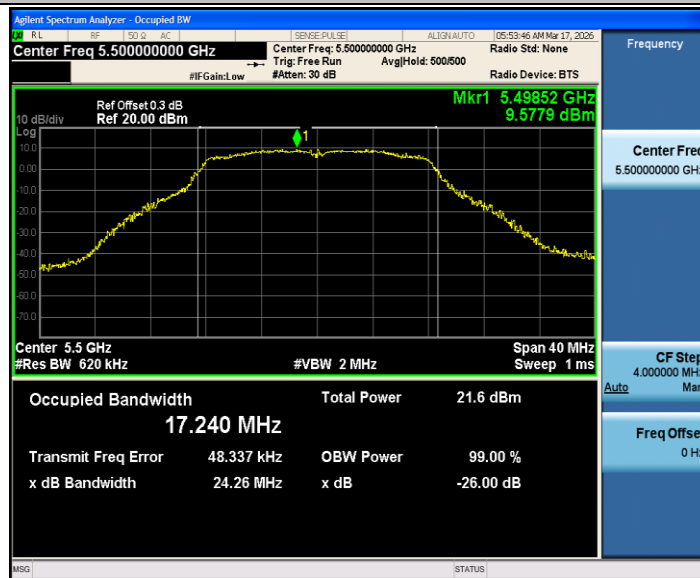
11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



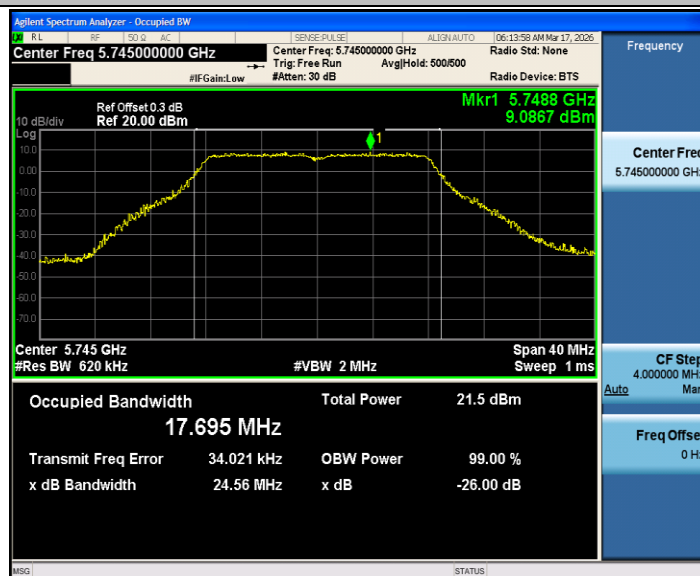
11A_Ant1_5580



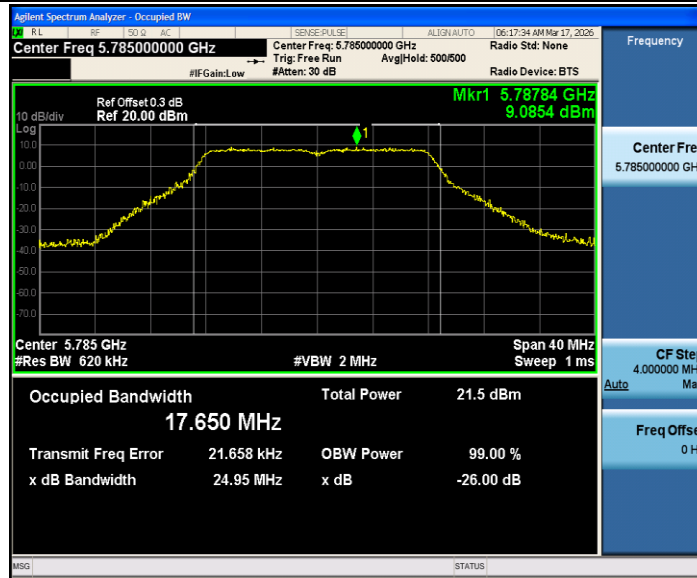
11A_Ant1_5700



11A_Ant1_5745



11A_Ant1_5785



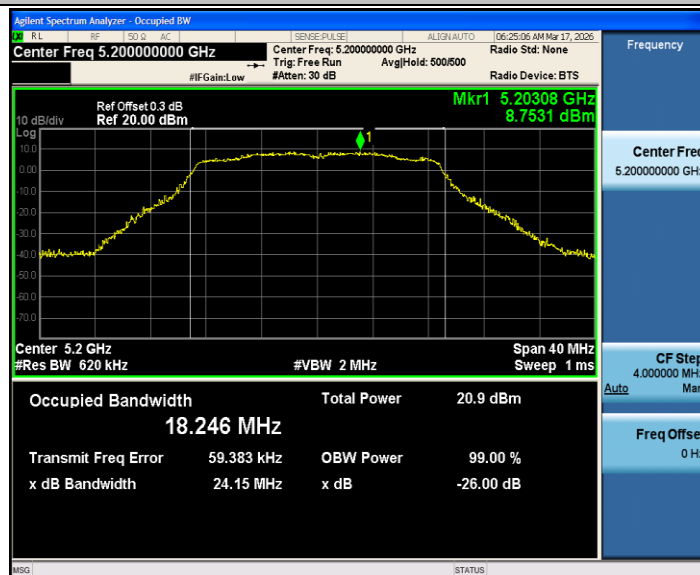
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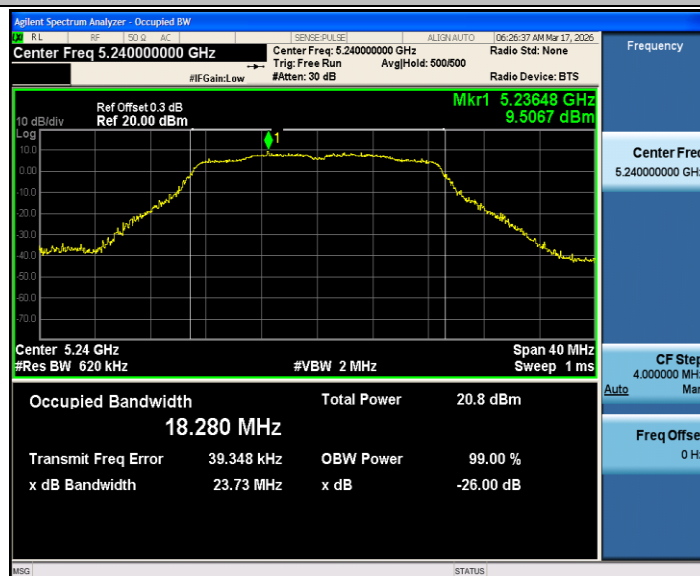
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11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



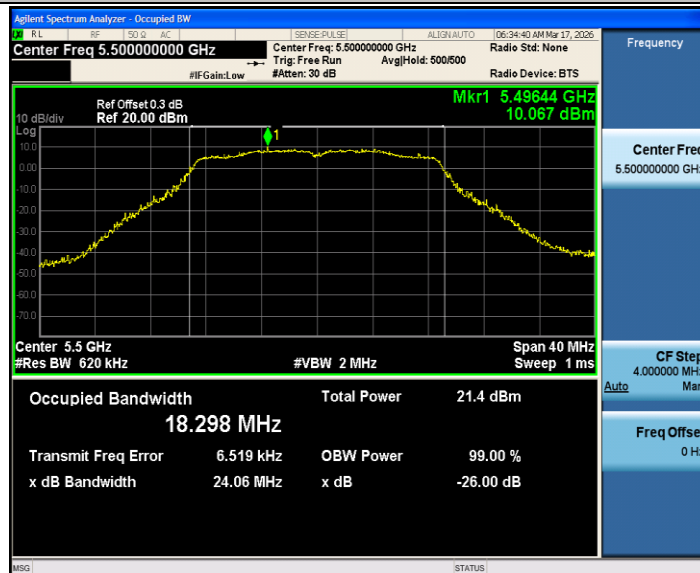
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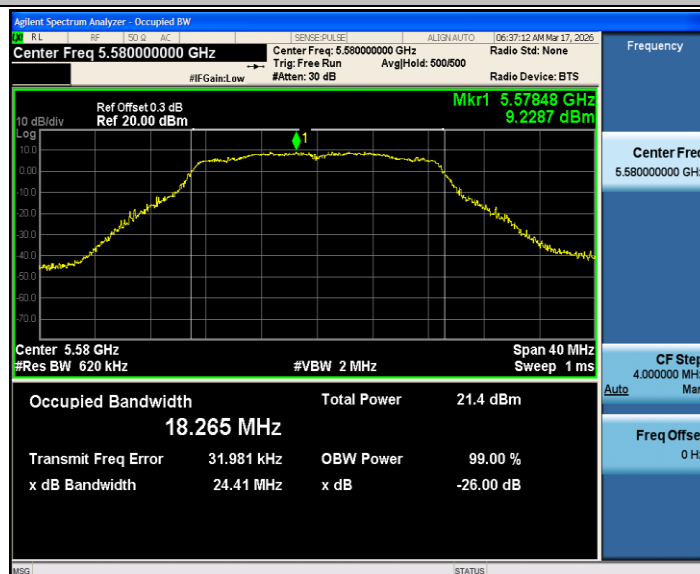
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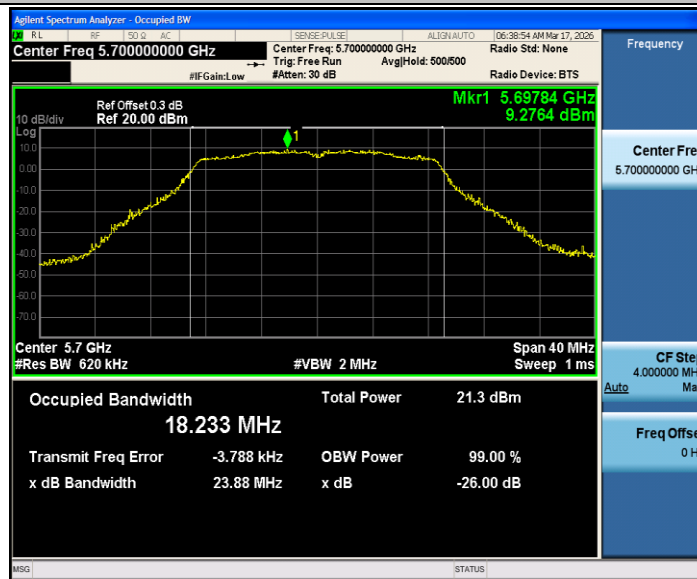
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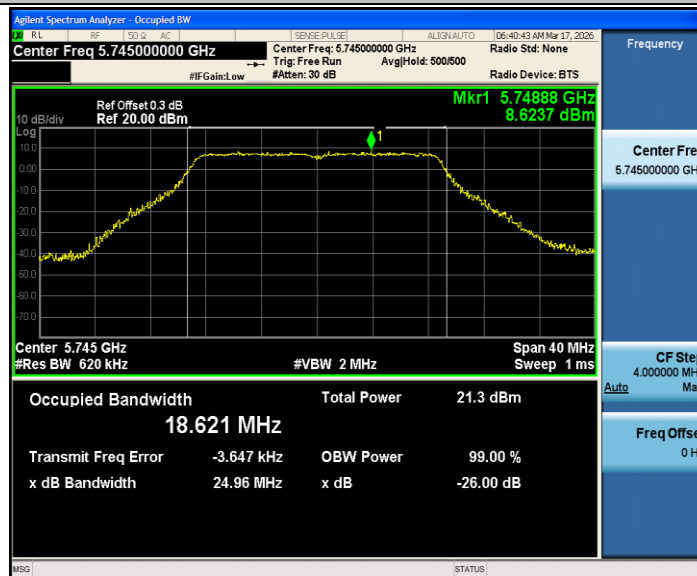
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785