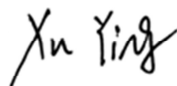


RF TEST REPORT

Applicant	Play For Dream (Shanghai) Technologies Co., Ltd.
FCC ID	2BMM9-MRD3A0
Product	PLAY FOR DREAM MR
Brand	PLAY FOR DREAM
Model	PFDM D3
Report No.	R2411A1737-R4
Issue Date	January 15, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2023)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.



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TABLE OF CONTENT

1. Test Laboratory	4
1.1. Notes of the test report	4
1.2. Test facility	4
1.3. Testing Location.....	4
2. General Description of Equipment under Test	5
2.1. Applicant and Manufacturer Information	5
2.2. General information	5
3. Applied Standards.....	7
4. Test Configuration.....	8
5. Test Case Results.....	12
5.1. Occupied Bandwidth.....	12
5.2. Average Power Output	208
5.3. Frequency Stability	259
5.4. Power Spectral Density	263
5.5. Unwanted Emission	727
5.6. Conducted Emission.....	1132
6. Main Test Instruments	1135
ANNEX A: The EUT Appearance.....	1136
ANNEX B: Test Setup Photos	1137

Summary of measurement results

Number	Test Case	Clause in FCC rules	Verdict
1	Average output power	15.407(a)	PASS
2	Occupied bandwidth	15.407(e)	PASS
3	Frequency stability	15.407(g)	PASS
4	Power spectral density	15.407(a)	PASS
5	Unwanted Emissions	15.407(b)	PASS
6	Conducted Emissions	15.207	PASS
Date of Testing: November 19, 2024 ~ December 25, 2024			
Date of Sample Received: November 19, 2024			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
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E-mail: Kain.Xu@cpt.eurofinscn.com

2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	Play For Dream (Shanghai) Technologies Co., Ltd.
Applicant address	Room 501, Building No 3, Caosong Road No.1, Xinqiao Town, Songjiang District, Shanghai City, China
Manufacturer	Play For Dream (Shanghai) Technologies Co., Ltd.
Manufacturer address	Room 501, Building No 3, Caosong Road No.1, Xinqiao Town, Songjiang District, Shanghai City, China

2.2. General information

EUT Description					
Model	PFDM D3				
Lab internal SN	R2411A1737/S01				
Hardware Version	4.0				
Software Version	D3_DEV_3.0.1.290				
Power Supply	Battery / AC adapter				
Antenna Type	Internal Antenna				
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)				
Antenna Gain		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
	Antenna 1	2.79 dBi	2.79 dBi	2.55 dBi	2.55 dBi
	Antenna 2	1.36 dBi	1.36 dBi	2.31 dBi	1.79 dBi
Directional Gain		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
	Power	2.79 dBi	2.79 dBi	2.55 dBi	2.55 dBi
	PSD	5.80 dBi	5.80 dBi	5.56 dBi	5.56 dBi
Operating Frequency Range(s)	U-NII-1: 5150MHz-5250MHz U-NII-2A: 5250MHz -5350MHz U-NII-2C: 5470MHz-5725MHz U-NII-3: 5725MHz -5850MHz				
Modulation Type	802.11a: OFDM 802.11n(HT20/HT40): OFDM 802.11ac (VHT20/VHT40/VHT80/VHT160): OFDM 802.11ax (HE20/HE40/HE80/HE160): OFDMA 802.11be(EHT20/ EHT40/ EHT80/ EHT160): OFDMA				
Max. Output Power	22.48 dBm				
Operating temperature range	-10 ° C to 45 ° C				
Operating voltage range	7.4 VDC to 8.9 VDC				
Testing temperature range	-30 ° C to 50° C				
State voltage	8 VDC				

EUT Accessory	
Adapter	Manufacturer: Shenzhen Kosun Industrial Co., Ltd. Model:623005
Data Cable	Manufacturer: Shenzhen Zhishang Technology Co., LTD 1200±20mm, Shielded
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. This device support automatically discontinue transmission, while the device is not transmitting any information, the device can automatically discontinue transmission and become standby mode for power saving. The device can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission. 3. (a) Manufacturers implements security features in any digitally modulated devices capable of operating in any of the U-NII bands, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software prevents the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers uses means including, but not limited to the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment authorization. (b) Manufacturers take steps to ensure that DFS functionality cannot be disabled by the operator of the U-NII device.	

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 15E (2023) Unlicensed National Information Infrastructure Devices

ANSI C63.10-2013

Reference standard:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Mode	Data Rate		
	Antenna 1	Antenna 2	MIMO
802.11a	6 Mbps	6 Mbps	6 Mbps
802.11n HT20	MCS0	MCS0	MCS8
802.11n HT40	MCS0	MCS0	MCS8
802.11ac VHT20	MCS0	MCS0	MCS0
802.11ac VHT40	MCS0	MCS0	MCS0
802.11ac VHT80	MCS0	MCS0	MCS0
802.11ac VHT160	MCS0	MCS0	MCS0
802.11ax HE20	MCS0	MCS0	MCS0
802.11ax HE40	MCS0	MCS0	MCS0
802.11ax HE80	MCS0	MCS0	MCS0
802.11ax HE160	MCS0	MCS0	MCS0
802.11be EHT20	MCS0	MCS0	MCS0
802.11be EHT40	MCS0	MCS0	MCS0
802.11be EHT80	MCS0	MCS0	MCS0
802.11be EHT160	MCS0	MCS0	MCS0

The worst case Antenna mode for each of the following tests for Wi-Fi:

Test Cases	Antenna 1	Antenna 2	MIMO
Average conducted output power	O	O	O
Occupied bandwidth	O	--	--
Frequency stability	O	--	--
Power Spectral Density	O	O	O
Unwanted Emissions	-	--	O
Conducted Emissions	-	--	O

TB&ERSU Mode

Test Cases	MIMO(TB)	MIMO(ERSU)
Average conducted output power	O	O
Occupied bandwidth	O	-
Frequency stability	-	-
Power Spectral Density	O	O
Unwanted Emissions	O	O
Conducted Emissions	-	-

Wireless Technology and Frequency Range

Wireless Technology		Bandwidth	Channel	Frequency
Wi-Fi	U-NII-1	20 MHz	36	5180MHz
			40	5200MHz
			44	5220MHz
			48	5240MHz
		40 MHz	38	5190MHz
			46	5230MHz
		80 MHz	42	5210MHz
	U-NII-2A	160 MHz	50	5250MHz
		20 MHz	52	5260MHz
			56	5280MHz
			60	5300MHz
			64	5320MHz
		40 MHz	54	5270MHz
			62	5310MHz
		80 MHz	58	5290MHz
	U-NII-2C	20 MHz	100	5500MHz
			104	5520MHz
			108	5540MHz
			112	5560MHz
			116	5580MHz
			120	5600MHz
			124	5620MHz
			128	5640MHz
			132	5660MHz
			136	5680MHz
			140	5700MHz
			144	5720MHz
		40 MHz	102	5510MHz
			110	5550MHz
			118	5590MHz
			126	5630MHz
			134	5670MHz
			142	5710MHz
		80 MHz	106	5530MHz
			122	5610MHz
			138	5690MHz

	U-NII-3	160 MHz	114	5570MHz
		20 MHz	149	5745MHz
			153	5765MHz
			157	5785MHz
			161	5805MHz
			165	5825MHz
		40 MHz	151	5755MHz
			159	5795MHz
		80 MHz	155	5775MHz
		Does this device support TPC Function? ☒ Yes ☐ No		
		Does this device support TDWR Band? ☒ Yes ☐ No		

5. Test Case Results

5.1. Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

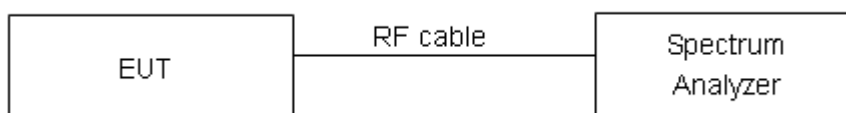
For U-NII-1/U-NII-2A/U-NII-2C, set RBW $\approx 1\%$ OCB kHz, VBW $\geq 3 \times$ RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW $\geq 3 \times$ RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

Use the 99 % power bandwidth function of the instrument

Test Setup



Limits

For U-NII-1/U-NII-2A/U-NII-2C

No specific occupied bandwidth requirements in Part 15.407.

For U-NII-3

Rule FCC Part §15.407(e)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936$ Hz.

Test Results:

Mode	Carrier frequency (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	5180	23.54	PASS
	5200	23.26	PASS
	5240	23.65	PASS
	5260	23.65	PASS
	5280	23.46	PASS
	5320	34.05	PASS
	5500	24.32	PASS
	5580	24.15	PASS
	5700	24.59	PASS
	5720	24.17	PASS
	5745	23.98	PASS
	5785	23.52	PASS
	5825	23.51	PASS
802.11n HT20	5180	23.23	PASS
	5200	23.38	PASS
	5240	23.60	PASS
	5260	23.93	PASS
	5280	23.37	PASS
	5320	35.57	PASS
	5500	23.56	PASS
	5580	23.94	PASS
	5700	24.19	PASS
	5720	24.21	PASS
	5745	24.38	PASS
	5785	23.74	PASS
	5825	23.88	PASS
802.11n HT40	5190	46.57	PASS
	5230	46.05	PASS
	5270	44.17	PASS
	5310	45.85	PASS
	5510	45.16	PASS
	5550	45.38	PASS
	5670	45.68	PASS
	5710	46.04	PASS
	5755	66.72	PASS
	5795	58.27	PASS
802.11ac VHT20	5180	23.46	PASS
	5200	22.99	PASS
	5240	23.38	PASS
	5260	23.35	PASS

		5280	23.26	PASS
		5320	24.63	PASS
		5500	23.86	PASS
		5580	24.10	PASS
		5700	24.30	PASS
		5720	23.98	PASS
		5745	23.48	PASS
		5785	23.62	PASS
		5825	24.41	PASS
802.11ac VHT40		5190	44.39	PASS
		5230	47.60	PASS
		5270	44.11	PASS
		5310	45.87	PASS
		5510	45.17	PASS
		5550	45.97	PASS
		5670	46.38	PASS
		5710	45.11	PASS
		5755	46.68	PASS
		5795	45.78	PASS
802.11ac VHT80		5210	90.27	PASS
		5290	89.86	PASS
		5530	93.02	PASS
		5610	93.03	PASS
		5690	91.59	PASS
		5775	90.77	PASS
802.11ac VHT160		5250	172.30	PASS
		5570	173.00	PASS
802.11ax HE20		5180	22.85	PASS
		5200	23.72	PASS
		5240	26.54	PASS
		5260	23.53	PASS
		5280	22.74	PASS
		5320	31.53	PASS
		5500	22.46	PASS
		5580	23.86	PASS
		5700	23.33	PASS
		5720	23.86	PASS
		5745	23.89	PASS
		5785	23.84	PASS
		5825	23.28	PASS
802.11ax HE40		5190	43.97	PASS
		5230	44.57	PASS
		5270	43.60	PASS

		5310	49.85	PASS
		5510	43.80	PASS
		5550	43.79	PASS
		5670	43.55	PASS
		5710	44.14	PASS
		5755	44.92	PASS
		5795	48.45	PASS
802.11ax HE80		5210	85.29	PASS
		5290	85.77	PASS
		5530	88.39	PASS
		5610	87.96	PASS
		5690	87.95	PASS
		5775	87.40	PASS
802.11ax HE160		5250	169.00	PASS
		5570	168.90	PASS
802.11be EHT20		5180	23.28	PASS
		5200	23.17	PASS
		5240	23.73	PASS
		5260	23.78	PASS
		5280	23.16	PASS
		5320	36.53	PASS
		5500	23.60	PASS
		5580	23.75	PASS
		5700	23.36	PASS
		5720	24.24	PASS
		5745	23.51	PASS
		5785	23.31	PASS
		5825	23.55	PASS
802.11be EHT40		5190	53.79	PASS
		5230	60.20	PASS
		5270	48.81	PASS
		5310	77.50	PASS
		5510	42.62	PASS
		5550	44.49	PASS
		5670	45.08	PASS
		5710	44.30	PASS
		5755	48.67	PASS
		5795	47.16	PASS
802.11be EHT80		5210	86.41	PASS
		5290	87.00	PASS
		5530	88.48	PASS
		5610	89.03	PASS
		5690	85.65	PASS

	5775	86.64	PASS
802.11be EHT160	5250	167.40	PASS
	5570	170.50	PASS

Mode	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Conclusion
802.11a	5720	16.32	PASS
	5745	16.32	PASS
	5785	16.32	PASS
	5825	16.32	PASS
802.11n HT20	5720	17.56	PASS
	5745	17.60	PASS
	5785	17.68	PASS
	5825	17.68	PASS
802.11n HT40	5710	36.48	PASS
	5755	36.40	PASS
	5795	36.40	PASS
802.11ac VHT20	5720	17.64	PASS
	5745	17.60	PASS
	5785	17.56	PASS
	5825	17.56	PASS
802.11ac VHT40	5710	36.32	PASS
	5755	36.32	PASS
	5795	36.40	PASS
802.11ac VHT80	5610	76.32	PASS
	5690	76.32	PASS
	5775	76.32	PASS
802.11ax HE20	5720	19.00	PASS
	5745	19.00	PASS
	5785	19.04	PASS
	5825	18.88	PASS
802.11ax HE40	5710	38.00	PASS
	5755	38.16	PASS
	5795	38.00	PASS
802.11ax HE80	5610	77.92	PASS
	5690	77.92	PASS
	5775	77.92	PASS

802.11be EHT20	5720	18.76	PASS
	5745	18.96	PASS
	5785	19.08	PASS
	5825	18.96	PASS
802.11be EHT40	5710	38.00	PASS
	5755	38.24	PASS
	5795	38.00	PASS
802.11be EHT80	5610	78.08	PASS
	5690	77.76	PASS
	5775	78.08	PASS

TB Mode
U-NII-1

Mode	RU Index	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11ax HE20 106-Tones	53	5180	15.747	21.166	PASS
802.11ax HE20 106-Tones	53	5200	17.913	20.875	PASS
802.11ax HE20 106-Tones	54	5240	17.932	20.079	PASS
802.11ax HE20 242-Tones	61	5180	19.102	21.884	PASS
802.11ax HE20 242-Tones	61	5200	19.073	22.705	PASS
802.11ax HE20 242-Tones	61	5240	19.060	22.717	PASS
802.11ax HE20 26-Tones	0	5180	15.242	16.690	PASS
802.11ax HE20 26-Tones	4	5200	16.308	17.293	PASS
802.11ax HE20 26-Tones	8	5240	17.959	19.899	PASS
802.11ax HE20 52-Tones	37	5180	17.533	19.137	PASS
802.11ax HE20 52-Tones	39	5200	14.419	16.770	PASS
802.11ax HE20 52-Tones	40	5240	17.977	19.644	PASS
802.11ax HE40 26-Tones	0	5190	15.797	21.325	PASS
802.11ax HE40 26-Tones	17	5230	17.015	19.168	PASS
802.11ax HE40 484-Tones	65	5190	38.019	44.963	PASS
802.11ax HE40 484-Tones	65	5230	38.108	45.042	PASS
802.11ax HE80 26-Tones	36	5210	22.441	22.748	PASS
802.11ax HE80 26-Tones	0	5210	24.262	23.169	PASS
802.11ax HE80 996-Tones	67	5210	77.872	95.168	PASS
802.11be(20) 106-Tones	53	5180	18.202	20.091	PASS
802.11be(20) 106-Tones	53	5200	18.236	20.653	PASS
802.11be(20) 106-Tones	54	5240	17.695	20.499	PASS
802.11be(20) 242-Tones	61	5180	19.060	23.587	PASS
802.11be(20) 242-Tones	61	5200	19.076	22.882	PASS
802.11be(20) 242-Tones	61	5240	19.103	22.962	PASS
802.11be(20) 26-Tones	0	5180	17.903	19.567	PASS
802.11be(20) 26-Tones	4	5200	14.429	15.105	PASS
802.11be(20) 26-Tones	8	5240	13.885	19.954	PASS
802.11be(20) 52-Tones	37	5180	17.211	19.157	PASS
802.11be(20) 52-Tones	39	5200	16.771	17.572	PASS
802.11be(20) 52-Tones	40	5240	16.138	20.440	PASS
802.11be(40) 26-Tones	0	5190	19.116	21.206	PASS
802.11be(40) 26-Tones	17	5230	18.199	21.938	PASS
802.11be(40) 484-Tones	65	5190	38.112	44.270	PASS
802.11be(40) 484-Tones	65	5230	38.069	45.898	PASS
802.11be(80) 26-Tones	36	5210	25.272	27.723	PASS
802.11be(80) 26-Tones	0	5210	23.370	13.635	PASS
802.11be(80) 996-Tones	67	5210	77.824	91.399	PASS

U-NII-2A

Mode	RU Index	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11ax HE160 26-Tones	H	5250	95.324	31.644	PASS
802.11ax HE160 26-Tones	0	5250	89.738	22.361	PASS
802.11ax HE160 996x2-Tones	68	5250	157.150	172.311	PASS
802.11ax HE20 106-Tones	53	5260	17.679	21.375	PASS
802.11ax HE20 106-Tones	53	5300	18.260	20.164	PASS
802.11ax HE20 106-Tones	54	5320	17.860	19.565	PASS
802.11ax HE20 242-Tones	61	5260	19.086	22.935	PASS
802.11ax HE20 242-Tones	61	5300	19.078	22.386	PASS
802.11ax HE20 242-Tones	61	5320	19.110	22.236	PASS
802.11ax HE20 26-Tones	0	5260	17.382	20.286	PASS
802.11ax HE20 26-Tones	4	5300	15.215	15.713	PASS
802.11ax HE20 26-Tones	8	5320	17.741	19.257	PASS
802.11ax HE20 52-Tones	37	5260	18.136	20.019	PASS
802.11ax HE20 52-Tones	39	5300	14.299	16.870	PASS
802.11ax HE20 52-Tones	40	5320	17.971	19.959	PASS
802.11ax HE40 26-Tones	0	5270	18.326	19.706	PASS
802.11ax HE40 26-Tones	17	5310	17.809	19.038	PASS
802.11ax HE40 484-Tones	65	5270	37.995	44.107	PASS
802.11ax HE40 484-Tones	65	5310	38.066	44.619	PASS
802.11ax HE80 26-Tones	36	5290	31.912	24.642	PASS
802.11ax HE80 26-Tones	0	5290	22.161	21.455	PASS
802.11ax HE80 996-Tones	67	5290	77.542	88.538	PASS
802.11be(160) 26-Tones	H	5250	98.430	29.141	PASS
802.11be(160) 26-Tones	0	5250	79.994	28.065	PASS
802.11be(160) 996x2-Tones	68	5250	157.226	171.794	PASS
802.11be(20) 106-Tones	53	5260	17.779	20.917	PASS
802.11be(20) 106-Tones	53	5300	16.880	20.732	PASS
802.11be(20) 106-Tones	54	5320	18.281	20.718	PASS
802.11be(20) 242-Tones	61	5260	19.124	22.858	PASS
802.11be(20) 242-Tones	61	5300	15.863	19.664	PASS
802.11be(20) 242-Tones	61	5320	19.042	23.026	PASS
802.11be(20) 26-Tones	0	5260	17.420	18.748	PASS
802.11be(20) 26-Tones	4	5300	16.117	16.823	PASS
802.11be(20) 26-Tones	8	5320	17.837	19.238	PASS
802.11be(20) 52-Tones	37	5260	17.092	19.092	PASS
802.11be(20) 52-Tones	39	5300	14.972	15.961	PASS
802.11be(20) 52-Tones	40	5320	17.999	21.252	PASS
802.11be(40) 26-Tones	0	5270	19.242	21.300	PASS
802.11be(40) 26-Tones	17	5310	18.800	20.811	PASS

802.11be(40) 484-Tones	65	5270	38.054	45.330	PASS
802.11be(40) 484-Tones	65	5310	38.056	45.001	PASS
802.11be(80) 26-Tones	36	5290	30.411	24.696	PASS
802.11be(80) 26-Tones	0	5290	24.056	21.847	PASS
802.11be(80) 969-Tones	67	5290	77.452	88.081	PASS

U-NII-2C

Mode	RU Index	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11ax HE160 26-Tones	H	5570	71.716	30.606	PASS
802.11ax HE160 26-Tones	0	5570	27.108	25.702	PASS
802.11ax HE160 996x2-Tones	68	5570	157.035	176.173	PASS
802.11ax HE20 106-Tones	53	5500	16.838	19.094	PASS
802.11ax HE20 106-Tones	53	5600	16.812	18.783	PASS
802.11ax HE20 106-Tones	54	5700	17.689	19.603	PASS
802.11ax HE20 106-Tones	53	5720	17.486	19.512	PASS
802.11ax HE20 242-Tones	61	5500	19.091	23.171	PASS
802.11ax HE20 242-Tones	61	5600	19.092	22.818	PASS
802.11ax HE20 242-Tones	61	5700	19.079	23.409	PASS
802.11ax HE20 242-Tones	61	5720	19.107	23.048	PASS
802.11ax HE20 26-Tones	0	5500	17.732	19.433	PASS
802.11ax HE20 26-Tones	4	5600	14.697	17.978	PASS
802.11ax HE20 26-Tones	8	5700	17.851	19.901	PASS
802.11ax HE20 26-Tones	0	5720	18.566	20.646	PASS
802.11ax HE20 52-Tones	37	5500	17.393	20.567	PASS
802.11ax HE20 52-Tones	39	5600	14.940	18.144	PASS
802.11ax HE20 52-Tones	40	5700	18.054	19.889	PASS
802.11ax HE20 52-Tones	37	5720	17.241	20.701	PASS
802.11ax HE40 26-Tones	0	5510	16.584	17.876	PASS
802.11ax HE40 26-Tones	17	5670	18.637	20.315	PASS
802.11ax HE40 26-Tones	0	5710	17.859	20.589	PASS
802.11ax HE40 484-Tones	65	5510	38.061	44.410	PASS
802.11ax HE40 484-Tones	65	5590	38.046	45.965	PASS
802.11ax HE40 484-Tones	65	5670	38.068	45.701	PASS
802.11ax HE40 484-Tones	65	5710	38.134	46.128	PASS
802.11ax HE80 26-Tones	36	5610	27.101	24.609	PASS
802.11ax HE80 26-Tones	0	5610	26.039	24.467	PASS
802.11ax HE80 26-Tones	0	5690	20.848	23.638	PASS
802.11ax HE80 996-Tones	67	5610	77.886	87.474	PASS
802.11ax HE80 996-Tones	67	5690	77.878	89.370	PASS
802.11be(160) 26-Tones	H	5570	85.246	27.036	PASS
802.11be(160) 26-Tones	0	5570	89.860	28.646	PASS

802.11be(160) 996x2-Tones	68	5570	157.037	174.282	PASS
802.11be(20) 106-Tones	53	5500	17.808	19.972	PASS
802.11be(20) 106-Tones	53	5600	16.175	18.251	PASS
802.11be(20) 106-Tones	54	5700	10.108	15.958	PASS
802.11be(20) 106-Tones	53	5720	15.407	18.380	PASS
802.11be(20) 242-Tones	61	5500	19.129	22.909	PASS
802.11be(20) 242-Tones	61	5600	19.082	22.705	PASS
802.11be(20) 242-Tones	61	5700	19.081	23.485	PASS
802.11be(20) 242-Tones	61	5720	19.065	22.901	PASS
802.11be(20) 26-Tones	0	5500	16.886	18.386	PASS
802.11be(20) 26-Tones	4	5600	15.658	16.320	PASS
802.11be(20) 26-Tones	8	5700	18.069	19.420	PASS
802.11be(20) 26-Tones	0	5720	17.564	19.205	PASS
802.11be(20) 52-Tones	37	5500	15.976	21.074	PASS
802.11be(20) 52-Tones	38	5600	16.074	16.839	PASS
802.11be(20) 52-Tones	40	5700	18.041	19.893	PASS
802.11be(20) 52-Tones	37	5720	16.947	18.795	PASS
802.11be(40) 26-Tones	0	5510	17.700	20.694	PASS
802.11be(40) 26-Tones	17	5670	18.996	20.531	PASS
802.11be(40) 26-Tones	0	5710	19.174	21.522	PASS
802.11be(40) 484-Tones	65	5510	38.128	45.015	PASS
802.11be(40) 484-Tones	65	5590	38.014	44.228	PASS
802.11be(40) 484-Tones	65	5670	38.091	44.280	PASS
802.11be(40) 484-Tones	65	5710	38.099	45.087	PASS
802.11be(80) 26-Tones	36	5610	27.694	24.934	PASS
802.11be(80) 26-Tones	0	5610	26.120	24.624	PASS
802.11be(80) 26-Tones	0	5690	24.833	23.360	PASS
802.11be(80) 996-Tones	67	5610	77.950	89.860	PASS
802.11be(80) 996-Tones	67	5690	77.921	96.593	PASS
802.11ax HE160 26-Tones	H	5700	18.041	19.893	PASS
802.11ax HE160 26-Tones	0	5720	16.947	18.795	PASS
802.11ax HE160 996x2-Tones	68	5510	17.700	20.694	PASS
802.11ax HE20 106-Tones	53	5670	18.996	20.531	PASS
802.11ax HE20 106-Tones	53	5710	19.174	21.522	PASS
802.11ax HE20 106-Tones	54	5510	38.128	45.015	PASS
802.11ax HE20 106-Tones	53	5590	38.014	44.228	PASS
802.11ax HE20 242-Tones	61	5670	38.091	44.280	PASS
802.11ax HE20 242-Tones	61	5710	38.099	45.087	PASS
802.11ax HE20 242-Tones	61	5610	27.694	24.934	PASS
802.11ax HE20 242-Tones	61	5610	26.120	24.624	PASS
802.11ax HE20 26-Tones	0	5690	24.833	23.360	PASS
802.11ax HE20 26-Tones	4	5610	77.950	89.860	PASS
802.11ax HE20 26-Tones	8	5690	77.921	96.593	PASS

U-NII-3

Mode	RU Index	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11ax HE20 106-Tones	54	5720	17.234	12.118	500	PASS
802.11ax HE20 106-Tones	53	5745	15.938	11.824	500	PASS
802.11ax HE20 106-Tones	53	5785	17.510	17.052	500	PASS
802.11ax HE20 106-Tones	54	5825	16.618	15.900	500	PASS
802.11ax HE20 242-Tones	61	5720	19.088	19.066	500	PASS
802.11ax HE20 242-Tones	61	5745	19.081	19.026	500	PASS
802.11ax HE20 242-Tones	61	5785	19.089	19.100	500	PASS
802.11ax HE20 242-Tones	61	5825	19.052	19.001	500	PASS
802.11ax HE20 26-Tones	8	5720	17.357	2.092	500	PASS
802.11ax HE20 26-Tones	0	5745	18.403	2.070	500	PASS
802.11ax HE20 26-Tones	4	5785	14.616	2.577	500	PASS
802.11ax HE20 26-Tones	8	5825	17.846	2.061	500	PASS
802.11ax HE20 52-Tones	40	5720	17.690	15.855	500	PASS
802.11ax HE20 52-Tones	37	5745	18.178	13.274	500	PASS
802.11ax HE20 52-Tones	39	5785	16.692	15.045	500	PASS
802.11ax HE20 52-Tones	40	5825	15.141	15.780	500	PASS
802.11ax HE40 26-Tones	17	5710	17.966	1.985	500	PASS
802.11ax HE40 26-Tones	0	5755	18.417	2.068	500	PASS
802.11ax HE40 26-Tones	17	5795	17.214	2.065	500	PASS
802.11ax HE40 484-Tones	65	5710	38.025	38.041	500	PASS
802.11ax HE40 484-Tones	65	5755	37.953	38.032	500	PASS
802.11ax HE40 484-Tones	65	5795	37.958	38.032	500	PASS
802.11ax HE80 26-Tones	36	5690	22.689	2.003	500	PASS
802.11ax HE80 26-Tones	36	5775	20.147	2.050	500	PASS
802.11ax HE80 26-Tones	0	5775	19.538	2.028	500	PASS
802.11ax HE80 996-Tones	67	5690	77.691	78.013	500	PASS
802.11ax HE80 996-Tones	67	5775	77.662	78.079	500	PASS
802.11be(20) 106-Tones	54	5720	14.800	17.150	500	PASS
802.11be(20) 106-Tones	53	5745	17.915	15.837	500	PASS
802.11be(20) 106-Tones	53	5785	17.976	15.924	500	PASS
802.11be(20) 106-Tones	54	5825	18.079	17.009	500	PASS
802.11be(20) 242-Tones	61	5720	19.066	18.929	500	PASS
802.11be(20) 242-Tones	61	5745	19.070	19.056	500	PASS
802.11be(20) 242-Tones	61	5785	19.055	18.982	500	PASS
802.11be(20) 242-Tones	61	5825	19.079	19.013	500	PASS
802.11be(20) 26-Tones	8	5720	17.650	2.060	500	PASS
802.11be(20) 26-Tones	0	5745	15.125	2.050	500	PASS
802.11be(20) 26-Tones	4	5785	15.009	2.682	500	PASS
802.11be(20) 26-Tones	8	5825	17.623	2.036	500	PASS

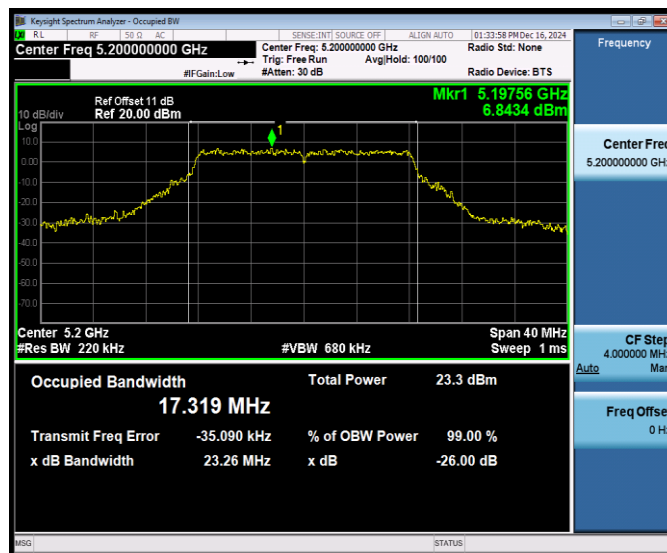
802.11be(20) 52-Tones	40	5720	18.299	12.066	500	PASS
802.11be(20) 52-Tones	37	5745	17.394	14.546	500	PASS
802.11be(20) 52-Tones	39	5785	15.829	7.890	500	PASS
802.11be(20) 52-Tones	40	5825	18.460	15.782	500	PASS
802.11be(40) 26-Tones	17	5710	18.718	2.061	500	PASS
802.11be(40) 26-Tones	0	5755	12.694	2.072	500	PASS
802.11be(40) 26-Tones	17	5795	17.429	2.035	500	PASS
802.11be(40) 484-Tones	65	5710	38.053	38.060	500	PASS
802.11be(40) 484-Tones	65	5755	38.007	38.067	500	PASS
802.11be(40) 484-Tones	65	5795	37.960	38.051	500	PASS
802.11be(80) 26-Tones	36	5690	20.351	2.033	500	PASS
802.11be(80) 26-Tones	36	5775	19.673	2.048	500	PASS
802.11be(80) 26-Tones	0	5775	19.481	2.057	500	PASS
802.11be(80) 996-Tones	67	5690	77.784	78.025	500	PASS
802.11be(80) 996-Tones	67	5775	77.843	77.958	500	PASS

99% bandwidth

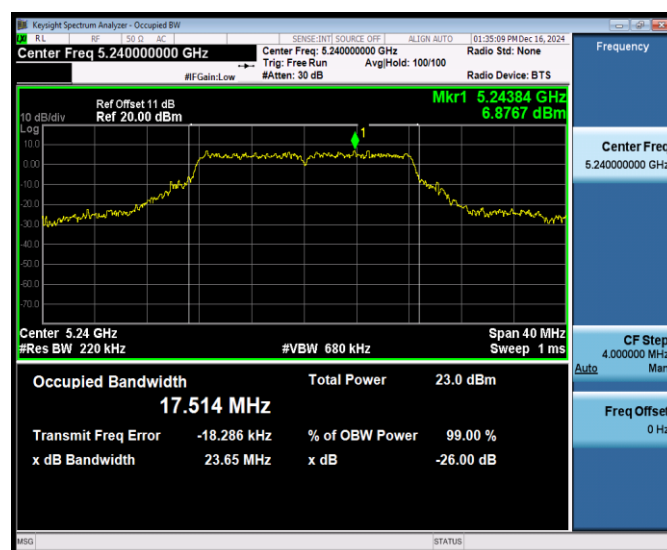
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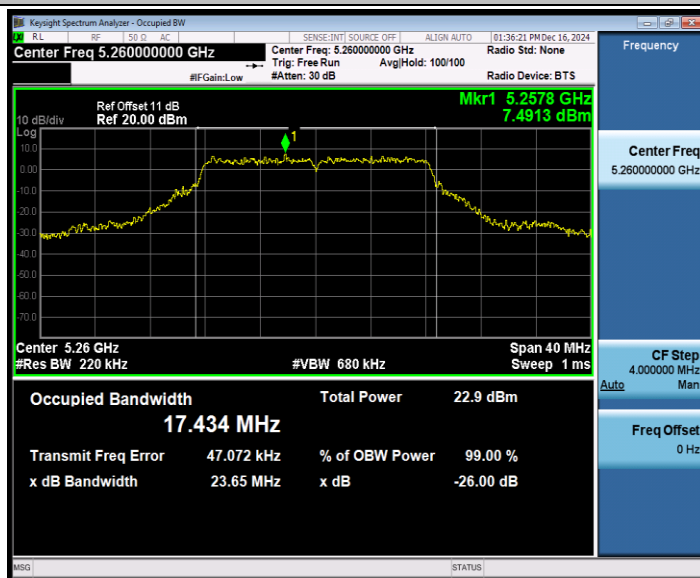
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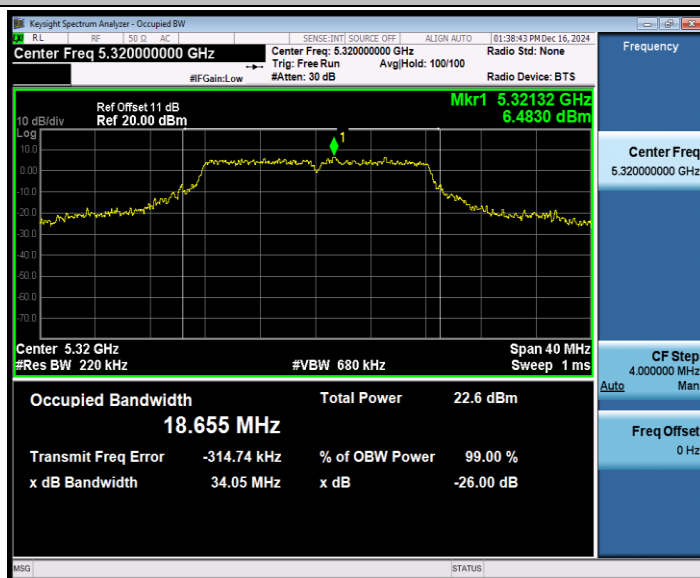
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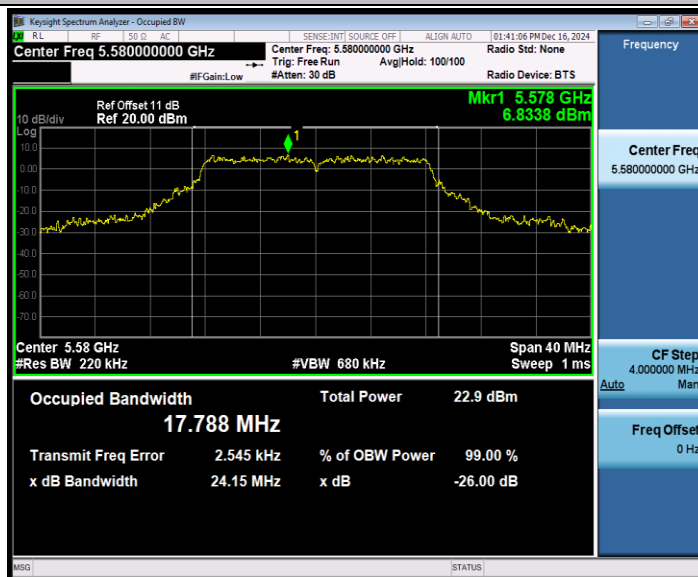
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11A_Ant1_5500



11A_Ant1_5580



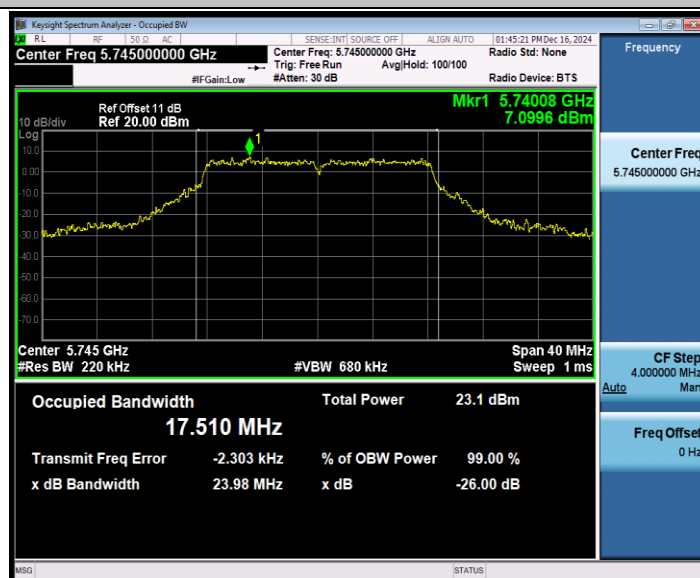
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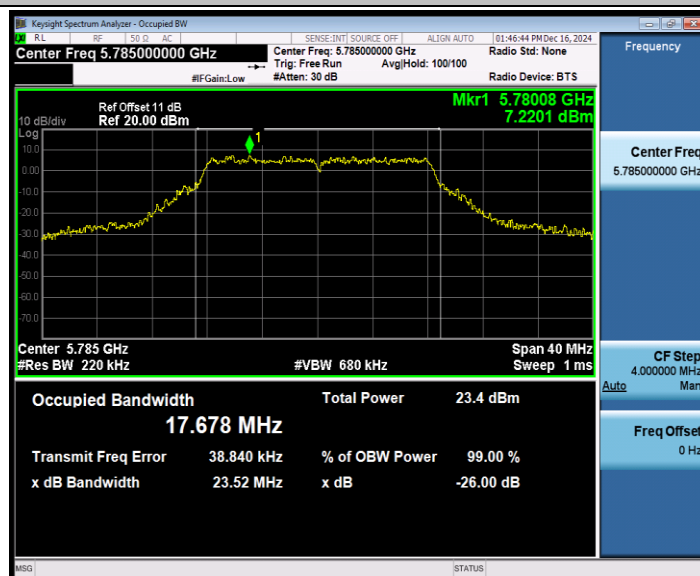
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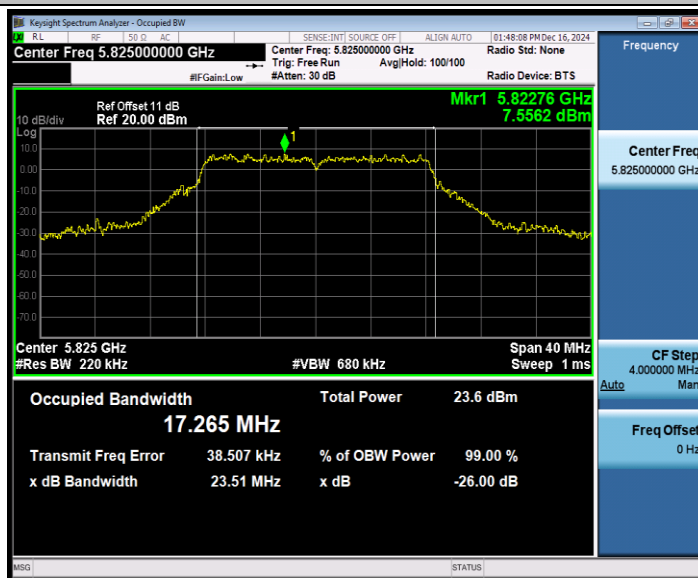
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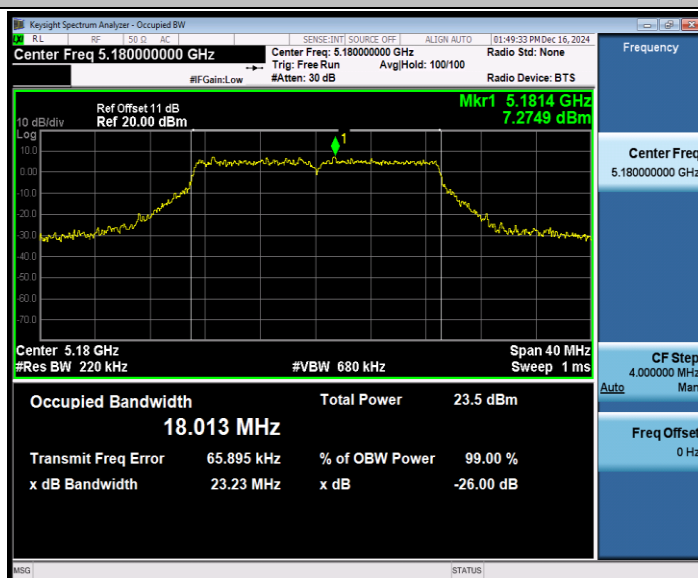
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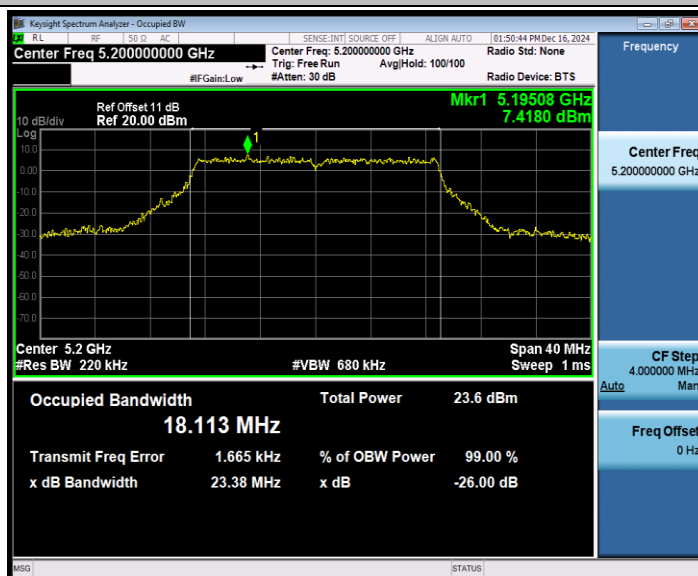
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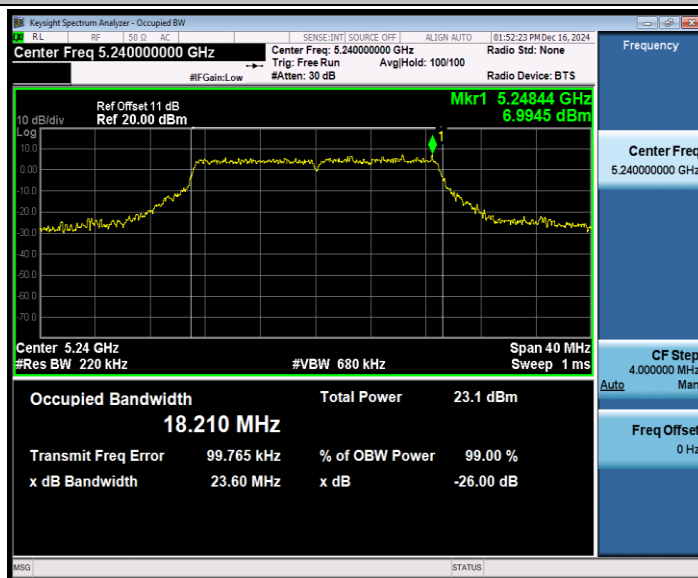
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11N20SISO_Ant1_5240



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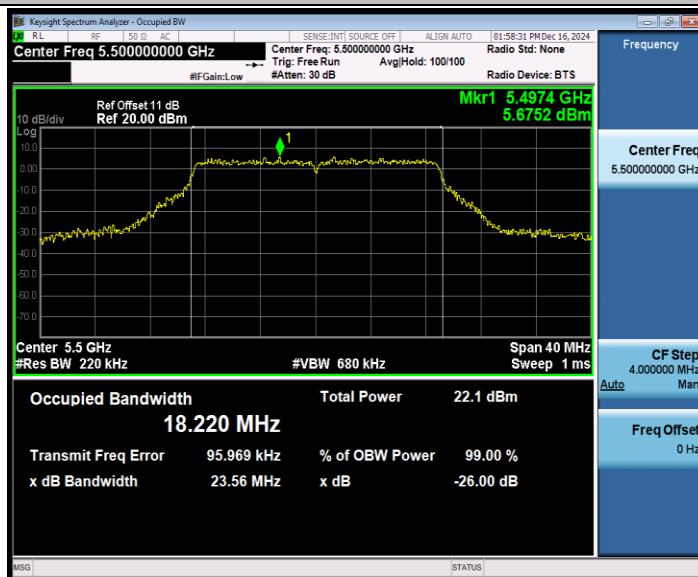
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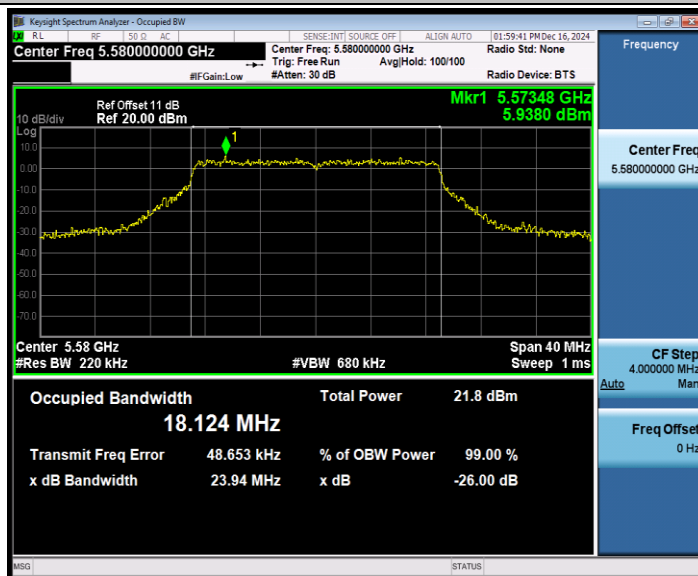
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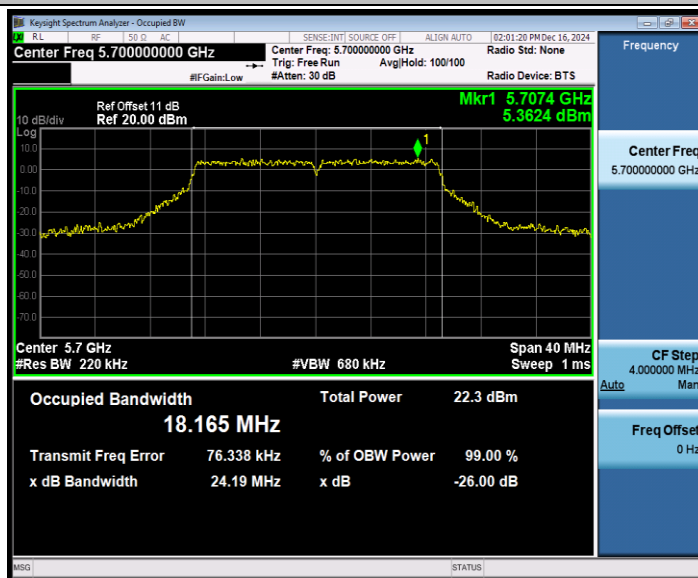
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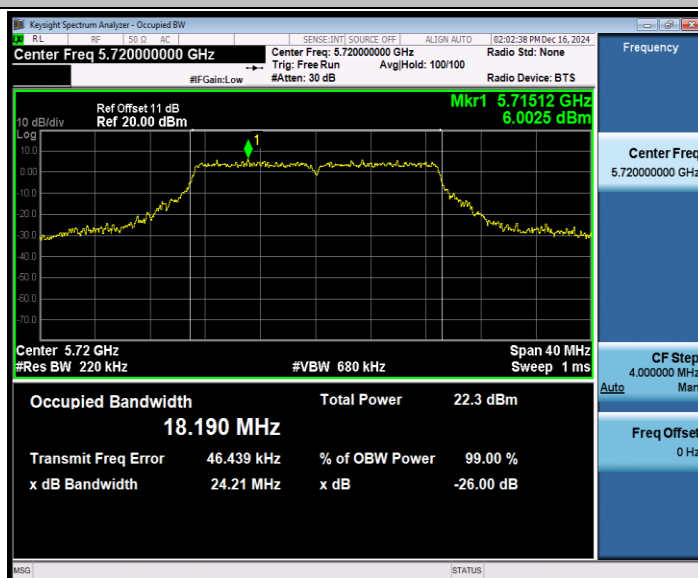
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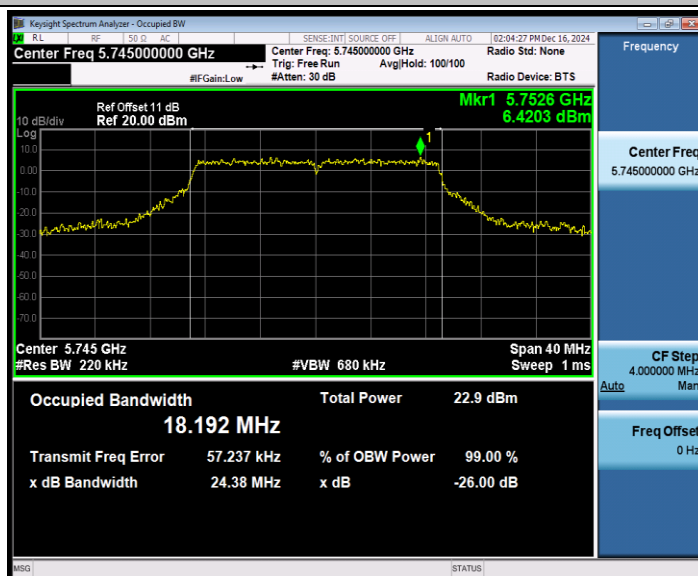
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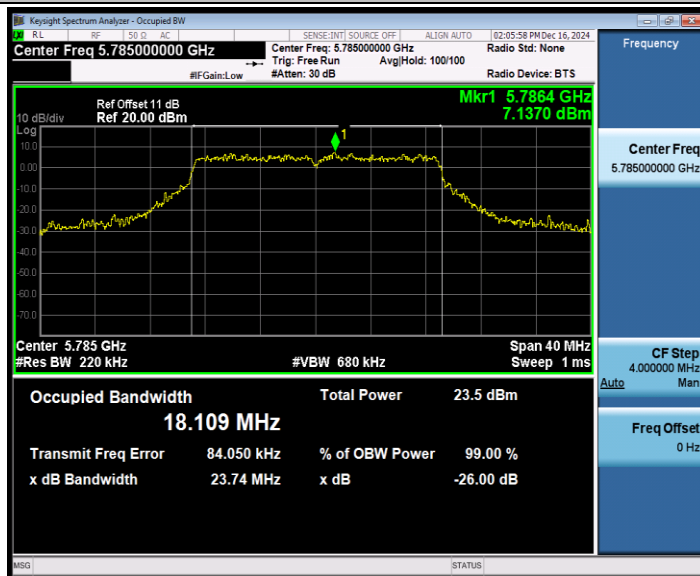
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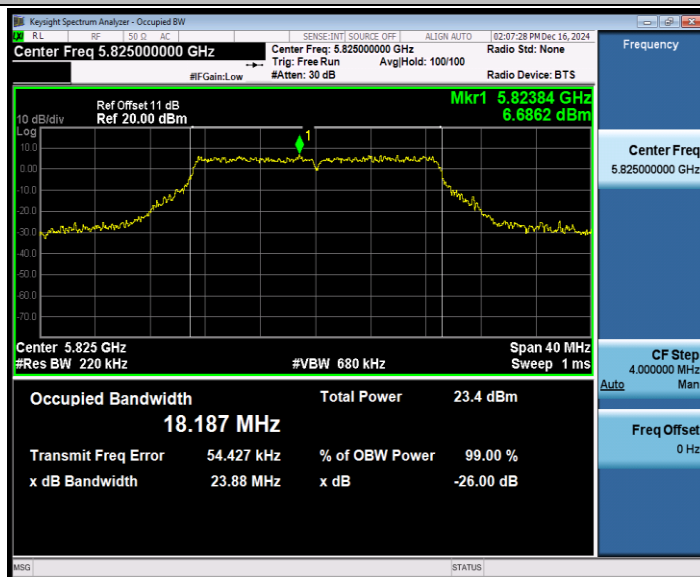
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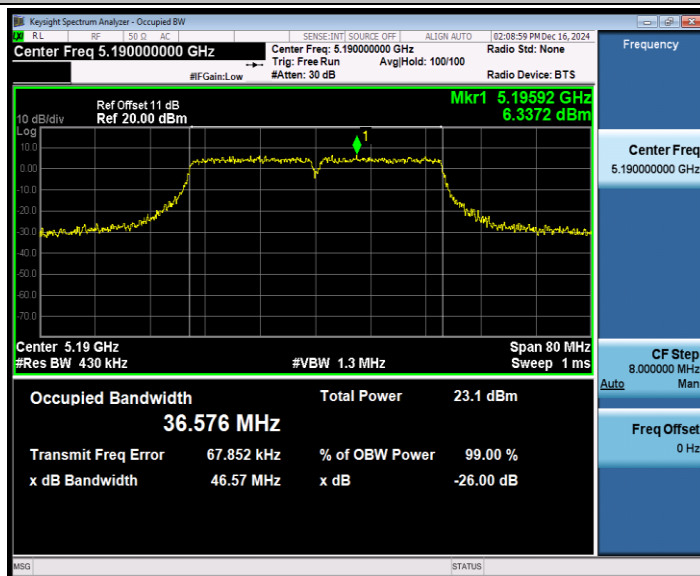
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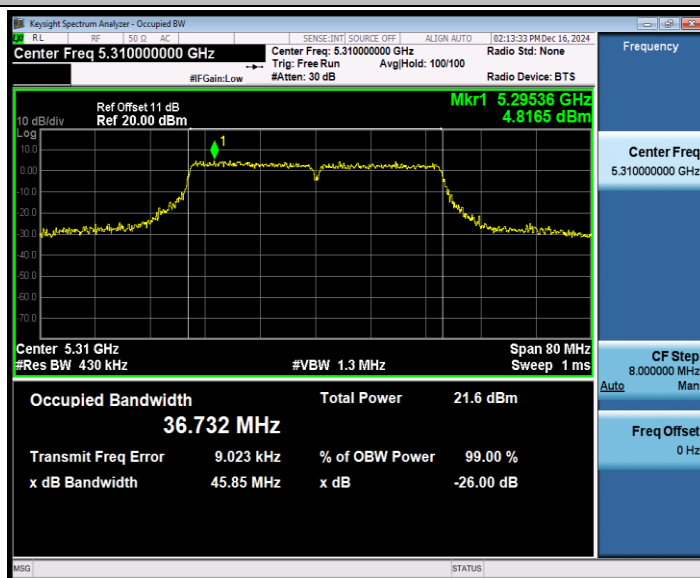
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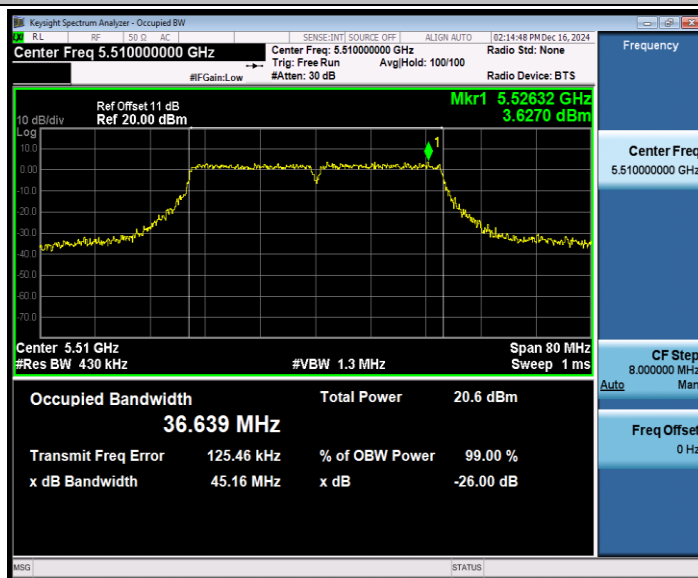
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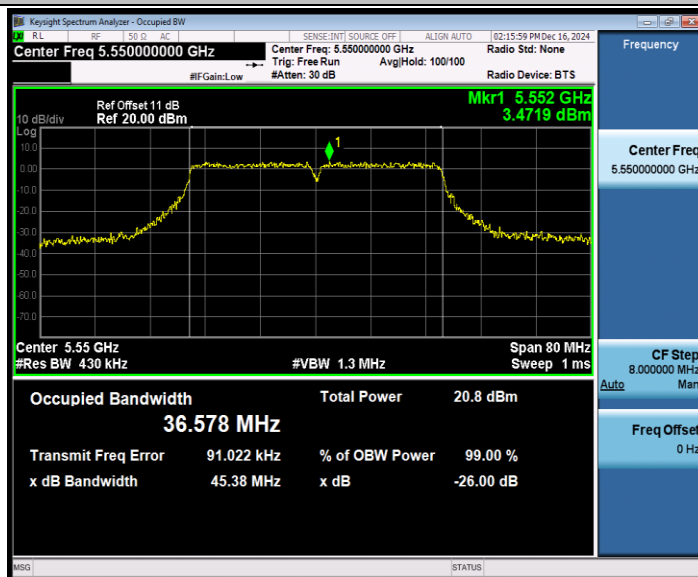
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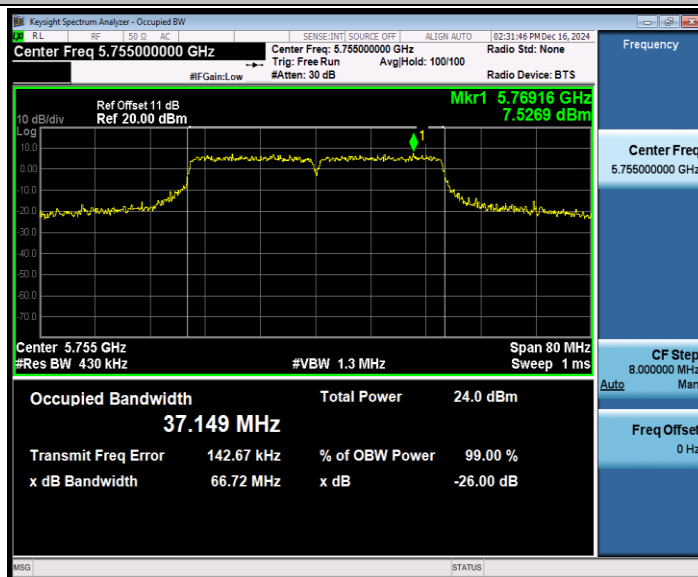
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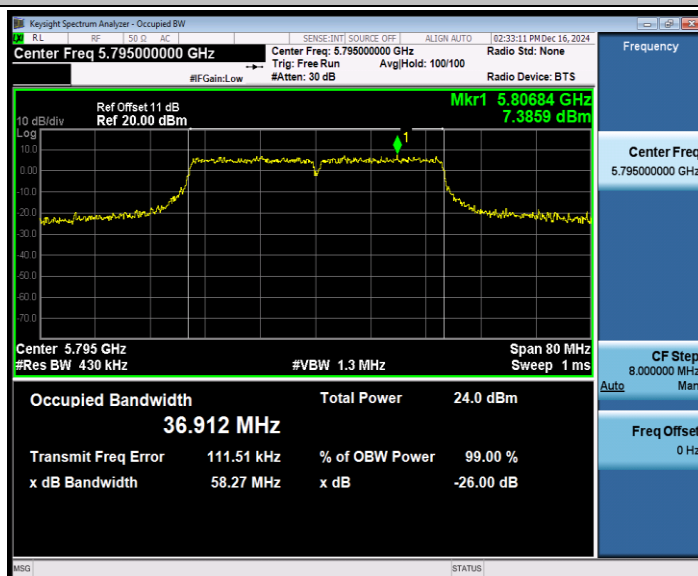
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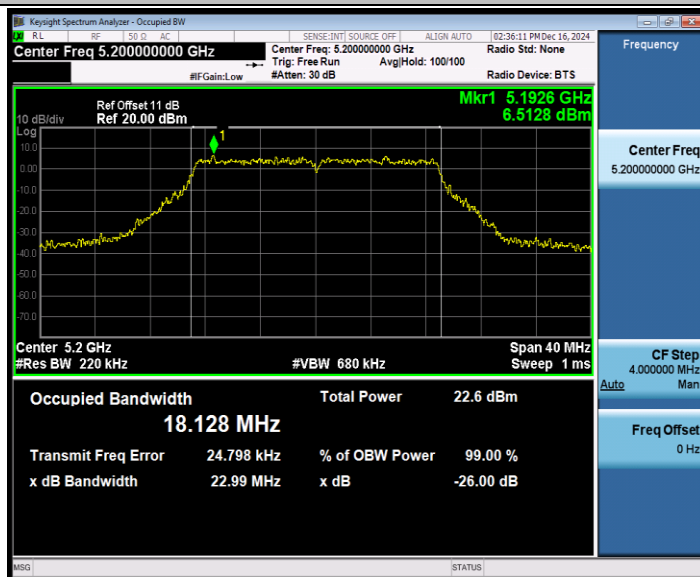
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11AC20SISO_Ant1_5240

