FCC RADIO TEST REPORT

FCC ID: 2BAWSRDG-XX

Sample : Dride4K

Trade Name : N/A

Main Model : DR4K1-RDG-XX

Additional Model : N/A

Report No. : 23032009ER-63

Prepared for

Dride Technology LTD

Eliyahu Eitan 1, Rishon Letzion, Israel

Prepared by

Global United Technology Services Co. Ltd.

No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

TEST RESULT CERTIFICATION

Applicant	:	Dride Technology LTD
Address	:	Eliyahu Eitan 1, Rishon Letzion, Israel
Manufacturer	:	Dride Technology LTD
Address	:	Eliyahu Eitan 1, Rishon Letzion, Israel

Product description

Product	:	Dride4K
Trade Name	:	N/A
Model Name	:	DR4K1-RDG-XX
Test Methods	:	FCC Rules and Regulations Part 15 Subpart C Section 15.407 ANSI C63.10: 2013

This device described above has been tested by Global United Technology Services Co. Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test	:	
Date (s) of performance of tests	:	Mar. 20, 2023 ~ Jul. 09, 2023
Date of Issue	:	Jul. 13, 2023
Test Result	:	Pass

Prepared By:		***Date:***	*2023-7-13*
	Project Engineer		
Check By:		***Date:***	*2023-7-13*
	Reviewer		

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1 TEST SUMMARY

1.1 TEST PROCEDURES AND RESULTS

1.1.1 Item	FCC Rules	Description Of Test	Result
1	FCC Part 15.407	6dB Bandwidth	Pass
2	FCC Part 15.407	Emission Bandwidth	Pass
3	FCC Part 15.407	Maximum conducted output power	Pass
4	FCC Part 15.407	Conducted Spurious Emission	Pass
5	FCC Part 15.407	Maximum Conducted Output Power Density	Pass
6	FCC Part 15.209	Radiated Emission	Pass
7	FCC Part 15.407	Band Edges	Pass
8	FCC Part 15.207	Line Conduction Emission	N/A
9	FCC Part 15.203	Antenna Requirement	Pass

Note:

“N/A” denotes test is not applicable in this Test Report.

1.2 TEST FACILITY

Test Firm : Global United Technology Services Co. Ltd.

Address : No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC—Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd. Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

● **IC —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co. Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

● **NVLAP (LAB CODE: 600179-0)**

Global United Technology Services Co. Ltd. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

1.3 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 %.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
UNI	ANSI	9kHz ~ 150kHz	2.96
		150kHz ~ 30MHz	2.44

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
UNI	ANSI	9kHz ~ 30MHz	2.50
		30MHz ~ 1000MHz	4.80
		1000MHz ~ 18000MHz	4.13

C. RF Conducted Method:

Item	**Measurement Uncertainty**
Uncertainty of total RF power, conducted	U_c = ±0.8 dB
Uncertainty of RF power density, conducted	U_c = ±2.6 dB
Uncertainty of spurious emissions, conducted	U_c = ±2 %
Uncertainty of Occupied Channel Bandwidth	U_c = ±2 %

1.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35 °C
Relative Humidity:	30~60 %
Air Pressure:	950~1050 hPa

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product:	Dride4K
Trade Name:	N/A
Main Model:	DR4K1-RDG-XX
Additional Model:	N/A
Model Difference:	N/A
Operation Frequency:	Band 1: 5150 MHz ~ 5250MHz; Band 2: 5250 MHz ~ 5350MHz; Band 3: 5470 MHz ~ 5725MHz; Band 4: 5725 MHz ~ 5850MHz
Modulation Type:	BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM, OFDM
Maximum Peak Conducted Output Power:	Band 1: 13.36 dBm; Band 2: 12.65 dBm; Band 3: 13.19 dBm; Band 4: 13.35 dBm
Antenna Type:	PCB Antenna
Antenna Gain:	Band 1: -10.49dBi; Band 2: -11.51dBi; Band 3: -4.35dBi; Band 4: -1.01dBi
Battery:	N/A
Adapter:	N/A
Power Source:	DC 12-24V from car charger

2.2 CARRIER FREQUENCY OF CHANNELS

Frequency Band	Channel Number	Frequency	Frequency Band	Channel Number	Frequency
5150 MHz ~ 5250MHz	36	5180 MHz	5470 MHz ~ 5725MHz	112	5560 MHz
	38	5190 MHz		116	5580 MHz
	40	5200 MHz		118	5590 MHz
	42	5210 MHz		120	5600 MHz
	44	5220 MHz		122	5610 MHz
	46	5230 MHz		124	5620 MHz
	48	5240 MHz		126	5630 MHz
5250 MHz ~ 5350MHz	52	5260 MHz		128	5640 MHz
	54	5270 MHz		132	5660 MHz
	56	5280 MHz		134	5670 MHz
	58	5290 MHz		136	5680 MHz
	60	5300 MHz		140	5700 MHz
	62	5310 MHz	5725 MHz ~ 5850MHz	149	5745 MHz
	64	5320 MHz		151	5755 MHz
5470 MHz ~ 5725MHz	100	5500 MHz		153	5765 MHz
	102	5510 MHz		155	5775 MHz
	104	5520 MHz		157	5785 MHz
	106	5530 MHz		159	5795 MHz
	108	5540 MHz		165	5825MHz
	110	5550 MHz			

Note: For 20MHZ bandwidth system use Channel 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165; For 40MHZ bandwidth system use Channel 38, 46, 54, 62, 102, 110, 118, 126, 134, 151, 159; For 80MHZ bandwidth system use Channel 42, 58, 106, 122, 155

2.3 TEST MODE

Mode	Available channel	Tested channel	Modulation	Date rate(Mbps)
802.11a/n20/ac20	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165	36, 40, 48, 52, 60, 64, 100, 120, 140, 149, 157, 165	OFDM	6Mbps/MCS0
802.11n40/ac40	38, 46, 54, 62, 102, 110, 118, 126, 134, 151, 159;	38, 46, 54, 62, 102, 118, 134, 151, 159	OFDM	MCS0
802.11ac80	42, 58, 106, 122, 155	42, 58, 106, 122, 155	OFDM	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.

2.4 DESCRIPTION OF THE TEST MODES

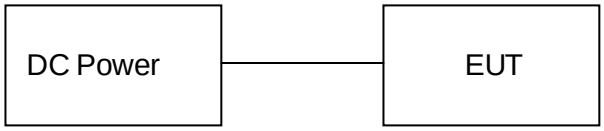
During the measurement the environmental conditions were within the listed ranges:

Voltage	Normal Voltage	DC 24V
	High Voltage	DC 26.4V
	Low Voltage	DC 21.6V
Other	Normal Temperature	24°C
	Relative Humidity	55 %
	Air Pressure	989 hPa

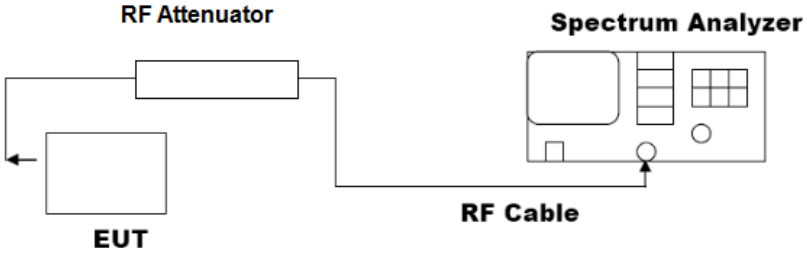
Note: All modes were test at Normal Voltage, High Voltage, and Low Voltage, only the worst results of Normal Voltage was reported in the test report.

2.5 TEST SETUP

Operation of EUT during Radiation testing:



Operation of EUT during RF Conducted testing:



2.6 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model No.	Cable Length(cm)	Remark
1	Dride4K	DR4K1-RDG-XX	3m	EUT
2	DC power supply	--	--	AE

Note:

1. The support equipment was authorized by Declaration of Confirmation.
2. All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.

2.7 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
Conduction Emissions Measurement					
1	Conducted Emission Test Software	EZ-EMC	Ver.CCS-3A1-CE	N/A	N/A
2	AMN	Schwarzbeck	NNLK8121	8121370	2023.09.22
3	AAN	TESEQ	T8-Cat6	38888	2023.09.22
4	Pulse Limiter	CYBRTEK	EM5010	E115010056	2023.05.17
5	EMI Test Receiver	Rohde&Schwarz	ESCI	101210	2023.09.22
Radiated Emissions Measurement					
1	Radiated Emission Test Software	EZ-EMC	Ver.CCS-03A1	N/A	N/A
2	Horn Antenna	Sunol	DRH-118	A101415	2023.09.27
3	Broadband Hybrid Antenna	Sunol	JB1	A090215	2024.02.26
4	PREAMP	HP	8449B	3008A00160	2023.09.22
5	PREAMP	HP	8447D	2944A07999	2023.05.17
6	EMI TEST RECEIVER	Rohde&Schwarz	ESR3	101891	2023.09.22
7	VECTOR Signal Generator	Rohde&Schwarz	SMU200A	101521	2023.09.22
8	Signal Generator	Agilent	E4421B	MY4335105	2023.09.22
9	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2023.09.22
10	MXA Signal Analyzer	Keysight	N9020A	MY51110104	2023.09.22
11	RF Power sensor	DARE	RPR3006W	15I00041SNO88	2023.05.17
12	RF Power sensor	DARE	RPR3006W	15I00041SNO89	2023.05.17
13	RF power divider	Anritsu	K241B	992289	2023.09.22
14	Wideband radio communication tester	Rohde&Schwarz	CMW500	154987	2023.09.22
15	Active Loop Antenna	Com-Power	AL-130R	10160009	2023.07.25
16	Broadband Hybrid Antennas	Schwarzbeck	VULB9163	VULB9163#958	2023.09.22
17	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1680	2023.05.23
18	Horn Antenna	A-INFOMW	LB-180400-KF	J211060660	2023.09.27
19	Microwave Broadband Preamplifier	Schwarzbeck	BBV 9721	100472	2023.09.22
20	Signal Generator	Agilent	N5183A	MY47420153	2023.09.22
21	Spctrum Analyzer	Rohde&Schwarz	FSP 40	100501	2023.09.22
22	Power Meter	KEYSIGHT	N1911A	MY50520168	2023.09.22
23	Frequency Meter	VICTOR	VC2000	997406086	2023.09.22
24	DC Power Source	HYELEC	HY5020E	055161818	2023.09.22

3 CONDUCTED EMISSION

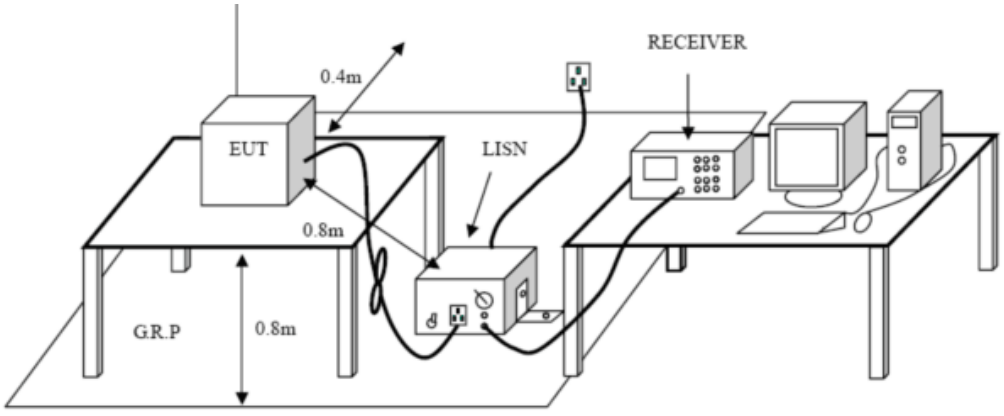
3.1 TEST LIMIT

For unintentional device, according to § 15.207(a) Line Conducted Emission Limits is as following

Frequency (MHz)	Maximum RF Line Voltage (dB V)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15~0.50	79	66	66~56*	56~46*
0.50~5.00	73	60	56	46
5.00~30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency.
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

3.2 TEST SETUP



3.3 TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is placed on a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

3.4 TEST RESULT

N/A

Remark:
The EUT is powered by DC power.

4 RADIATED EMISSION

4.1 TEST LIMIT

For unintentional device, according to §15.209(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F (kHz)	-	Quasi-peak	300
0.490MHz-1.705MHz	24000/F (kHz)	-	Quasi-peak	30
1.705MHz-30MHz	30	-	Quasi-peak	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3
		74.0	Peak	3

Limit calculation and transfer to 3m distance as showed in the following table:

Frequency (MHz)	**Limit (dBuV/m)**	**Distance (m)**
0.009-0.490	20log(2400/F(KHz))+40log(300/3)	3
0.490-1.705	20log(24000/F(KHz))+40log(30/3)	3
1.705-30.0	69.5	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

For intentional device, according to §15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

Limits of unwanted emission out of the restricted bands

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
5725~5850	-27(Note 2)	68.2
	10(Note 2)	105.2
	15.6(Note 2)	110.8
	27(Note 2)	122.2

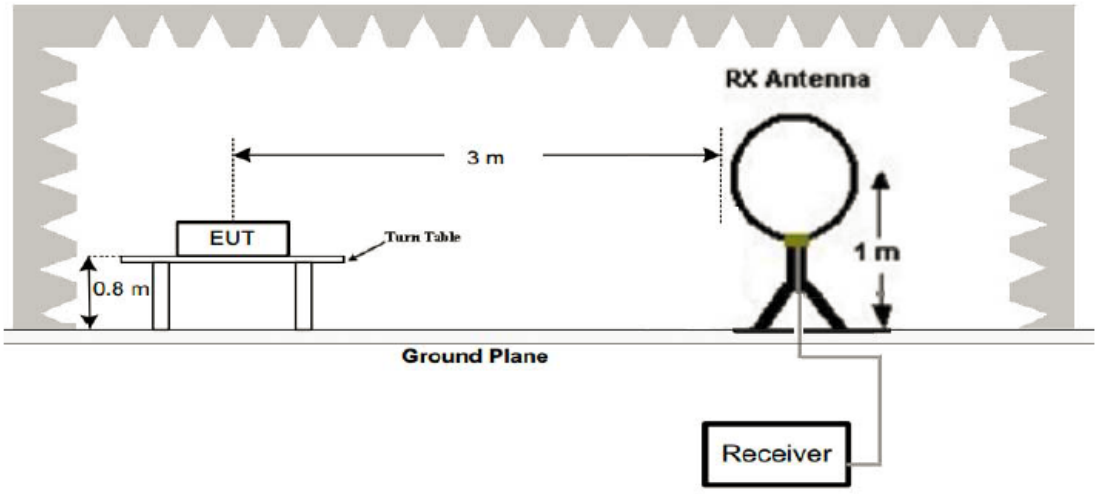
NOTE:
1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E=\frac{1000000\sqrt{30P}}{3}$$ uV/m, where P is the eirp (Watts)

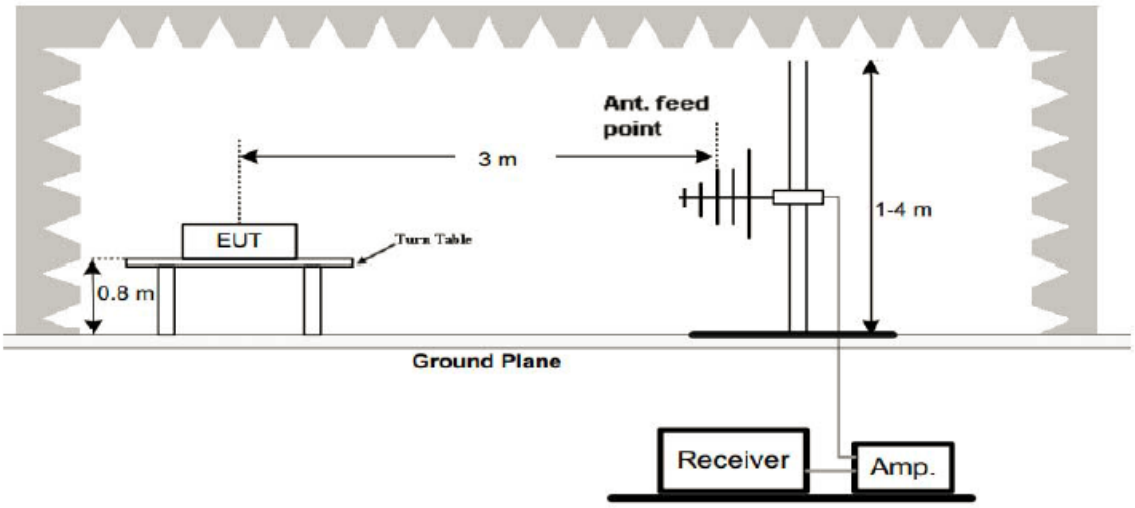
2, According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

4.2 TEST SETUP

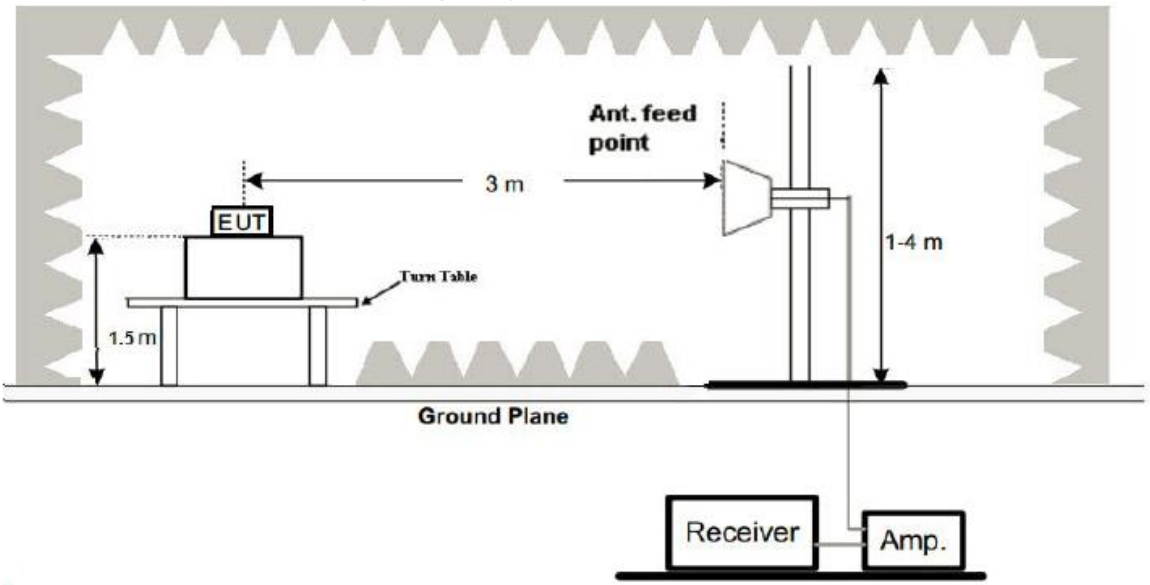
1. Radiated Emission Test-Up Frequency Below 30MHz



2. Radiated Emission Test-Up Frequency 30MHz~1GHz



3. Radiated Emission Test-Up Frequency Above 1GHz



4.3 TEST PROCEDURE

1. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The test frequency range from 9kHz to 25GHz per FCC PART 15.33(a).

Note: For battery operated equipment, the equipment tests shall be performed using a new battery.

4.4 TEST RESULT

PASS

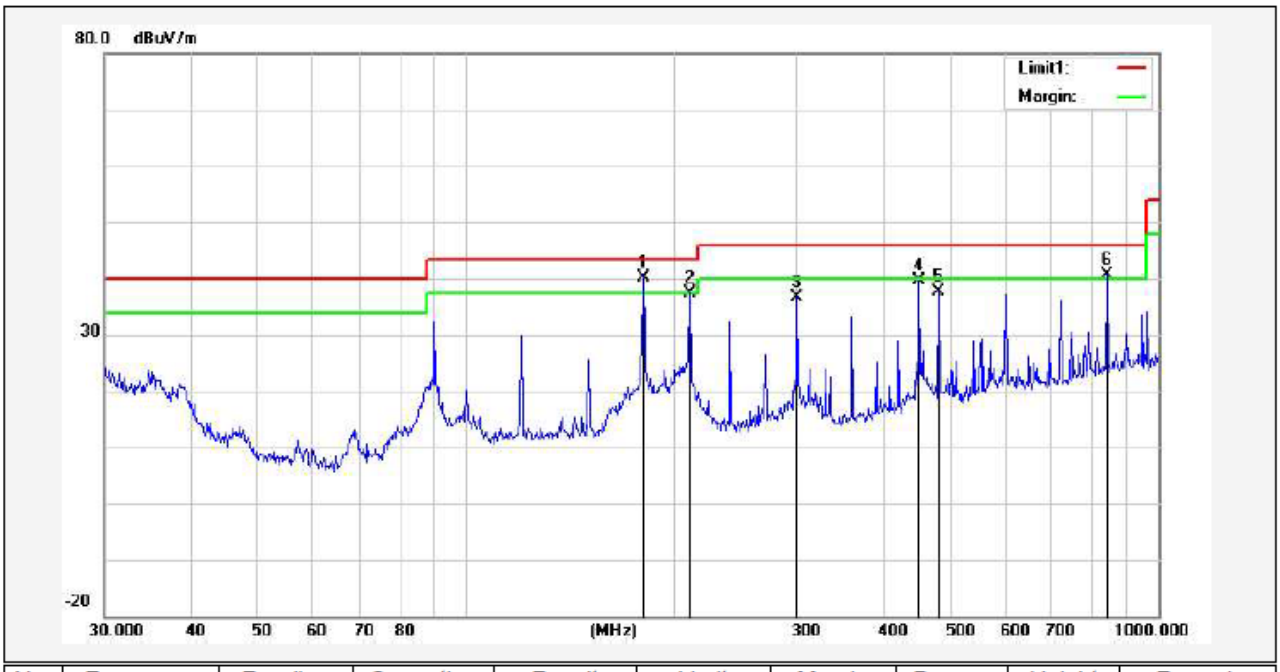
Remark:
1. All modes were test at Low, Middle, and High channel, only the worst result of band 1 802.11ac20 Low Channel was reported for below 1GHz test.
2. By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that “X axis” position was the worst, and test data recorded in this report.

Radiated emission below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Below 1GHz Test Results:

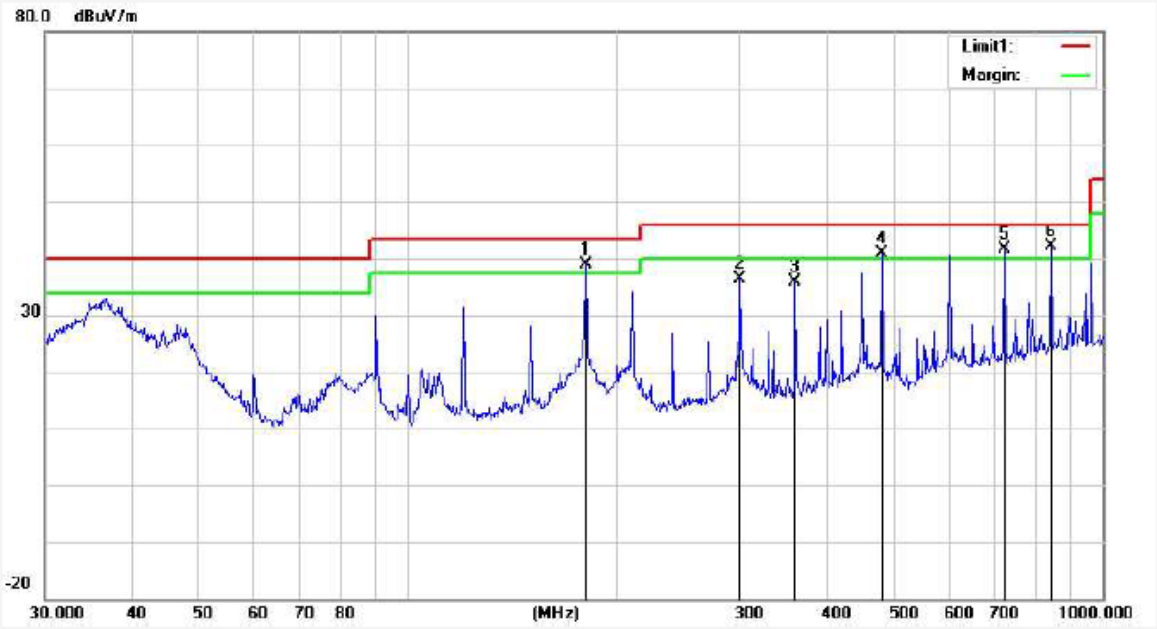
Temperature:	24℃	Relative Humidity:	48%
Test Date:	Mar. 28, 2023	Pressure:	1010hPa
Test Voltage:	DC 24V	Phase:	Horizontal
Test Mode:	Transmitting mode of band 1 802.11ac20 5180MHz		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1*	180.0165	57.75	-17.72	40.03	43.50	-3.47	49	100	peak
2	210.0482	54.26	-16.95	37.31	43.50	-6.19	108	100	peak
3	300.3672	51.31	-14.70	36.61	46.00	-9.39	193	100	peak
4	451.1350	51.37	-11.83	39.54	46.00	-6.46	264	100	peak
5	480.5276	49.09	-11.37	37.72	46.00	-8.28	315	100	peak
6!	842.1296	46.62	-6.09	40.53	46.00	-5.47	342	100	peak

Remark: Absolute Level = Reading Level + Factor, Margin = Absolute Level – Limit
Factor = Ant. Factor + Cable Loss – Pre-amplifier

Temperature:	24℃	Relative Humidity:	48%
Test Date:	Mar. 28, 2023	Pressure:	1010hPa
Test Voltage:	DC 24V	Phase:	Vertical
Test Mode:	Transmitting mode of band 1 802.11ac20 5180MHz		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1!	180.0165	56.69	-17.72	38.97	43.50	-4.53	341	100	peak
2	300.3672	51.05	-14.70	36.35	46.00	-9.65	253	100	peak
3	360.4476	49.69	-13.92	35.77	46.00	-10.23	207	100	peak
4!	480.5276	52.28	-11.37	40.91	46.00	-5.09	144	100	peak
5!	721.7260	49.99	-8.31	41.68	46.00	-4.32	108	100	peak
6*	842.1296	48.26	-6.09	42.17	46.00	-3.83	96	100	peak

Remark: Absolute Level = Reading Level + Factor, Margin = Absolute Level – Limit
Factor = Ant. Factor + Cable Loss – Pre-amplifier

Remark:
1. Radiated emission test from 9KHz to 10th harmonic of fundamental was verified, emission from 9kHz to 30MHz are more than 20dB below the limit, so it was not recorded in this report.
2. * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
3. The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120kHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10kHz.

Radiated emission above 1GHz

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5180MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10360.042	48.28	9.14	57.42	68.20	-10.78	peak
15540.063	41.63	10.22	51.85	74.00	-22.15	peak
15540.063	40.39	10.22	50.61	54.00	-3.39	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10360.042	46.95	9.14	56.09	68.20	-12.11	peak
15540.063	42.33	10.22	52.55	74.00	-21.45	peak
15540.063	31.58	10.22	41.80	54.00	-12.20	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5200MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10400.042	47.68	9.14	56.82	68.20	-11.38	peak
15600.063	40.96	10.22	51.18	74.00	-22.82	peak
15600.063	31.52	10.22	41.74	54.00	-12.26	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10400.042	46.53	9.14	55.67	68.20	-12.53	peak
15600.063	41.85	10.22	52.07	74.00	-21.93	peak
15600.063	32.47	10.22	42.69	54.00	-11.31	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5240MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
10480.042	46.69	9.27	55.96	68.20	-12.24	peak
15720.063	41.57	10.38	51.95	74.00	-22.05	peak
15720.063	34.22	10.38	44.60	54.00	-9.40	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
10480.042	44.93	9.27	54.20	68.20	-14.00	peak
15720.063	42.52	10.38	52.90	74.00	-21.10	peak
15720.063	31.47	10.38	41.85	54.00	-12.15	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5260MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10520.044	48.52	9.29	57.81	68.20	-10.39	peak
15780.066	43.76	10.42	54.18	74.00	-19.82	peak
15780.066	32.95	10.42	43.37	54.00	-10.63	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10520.044	46.98	9.29	56.27	68.20	-11.93	peak
15780.066	42.51	10.42	52.93	74.00	-21.07	peak
15780.066	31.74	10.42	42.16	54.00	-11.84	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Smart Touch Screen Terminal	**Model Name**	CM800
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5300MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10600.044	47.68	9.31	56.99	74.00	-17.01	peak
10600.044	38.96	9.31	48.27	54.00	-5.73	AVG
15900.066	42.31	10.44	52.75	74.00	-21.25	peak
15900.066	32.55	10.44	42.99	54.00	-11.01	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10600.044	46.52	9.31	55.83	74.00	-18.17	peak
10600.044	37.21	9.31	46.52	54.00	-7.48	AVG
15780.066	40.93	10.44	51.37	74.00	-22.63	peak
15780.066	34.96	10.44	45.40	54.00	-8.60	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5320MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10640.044	45.68	9.35	55.03	74.00	-18.97	peak
10640.044	38.74	9.35	48.09	54.00	-5.91	AVG
15960.066	41.55	10.46	52.01	74.00	-21.99	peak
15960.066	31.82	10.46	42.28	54.00	-11.72	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10640.044	48.91	9.35	58.26	74.00	-15.74	peak
10640.044	40.56	9.35	49.91	54.00	-4.09	AVG
15960.066	43.77	10.46	54.23	74.00	-19.77	peak
15960.066	32.68	10.46	43.14	54.00	-10.86	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5500MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11000.044	48.74	9.37	58.11	74.00	-15.89	peak
11000.044	37.32	9.37	46.69	54.00	-7.31	AVG
16500.066	46.95	10.48	57.43	68.20	-10.77	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11000.044	48.96	9.37	58.33	74.00	-15.67	peak
11000.044	37.63	9.37	47.00	54.00	-7.00	AVG
16500.066	42.54	10.48	53.02	68.20	-15.18	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5600MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
11200.044	48.58	9.38	57.96	74.00	-16.04	peak
11200.044	37.41	9.38	46.79	54.00	-7.21	AVG
16800.066	42.52	10.49	53.01	68.20	-15.19	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
11200.044	45.63	9.38	55.01	74.00	-18.99	peak
11200.044	38.82	9.38	48.20	54.00	-5.80	AVG
16800.066	41.93	10.49	52.42	68.20	-15.78	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5700MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
11400.044	48.69	9.39	58.08	74.00	-15.92	peak
11400.044	38.51	9.39	47.90	54.00	-6.10	AVG
17100.066	40.12	10.49	50.61	68.20	-17.59	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
11400.044	48.46	9.39	57.85	74.00	-16.15	peak
11400.044	37.82	9.39	47.21	54.00	-6.79	AVG
17100.066	41.93	10.49	52.42	68.20	-15.78	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5745MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11490.042	45.18	9.42	54.60	74.00	-19.40	peak
11490.042	38.66	9.42	48.08	54.00	-5.92	AVG
17235.063	41.17	10.51	51.68	68.20	-16.52	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11490.042	46.32	9.42	55.74	74.00	-18.26	peak
11490.042	35.85	9.42	45.27	54.00	-8.73	AVG
17235.063	41.93	10.51	52.44	68.20	-15.76	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5785MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11570.042	45.34	9.42	54.76	74.00	-19.24	peak
11570.042	35.02	9.42	44.44	54.00	-9.56	AVG
17355.063	42.63	10.51	53.14	68.20	-15.06	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11570.042	45.21	9.42	54.63	74.00	-19.37	peak
11570.042	33.96	9.42	43.38	54.00	-10.62	AVG
17355.063	42.52	10.51	53.03	68.20	-15.17	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac20 5825MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11650.042	45.93	9.62	52.92	74.00	-21.02	peak
11650.042	37.54	9.62	45.05	54.00	-8.95	AVG
17475.063	42.82	10.75	47.61	68.20	-26.39	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11650.042	47.54	9.62	53.55	74.00	-20.45	peak
11650.042	36.87	9.62	47.64	54.00	-6.36	AVG
17475.063	41.93	10.75	48.61	68.20	-25.39	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Note: All test channels had been tested. The 802.11ac20 is the worst case and recorded in the test report. Other frequencies radiation emission from 1GHz to 40GHz at least have 20dB margin and not recorded in the test report.

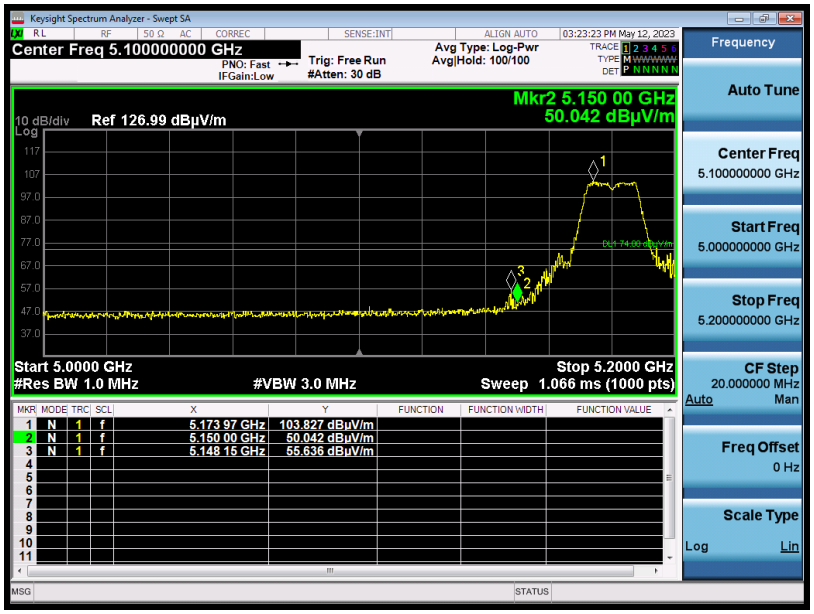
Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

The “Factor” value can be calculated automatically by software of measurement system.

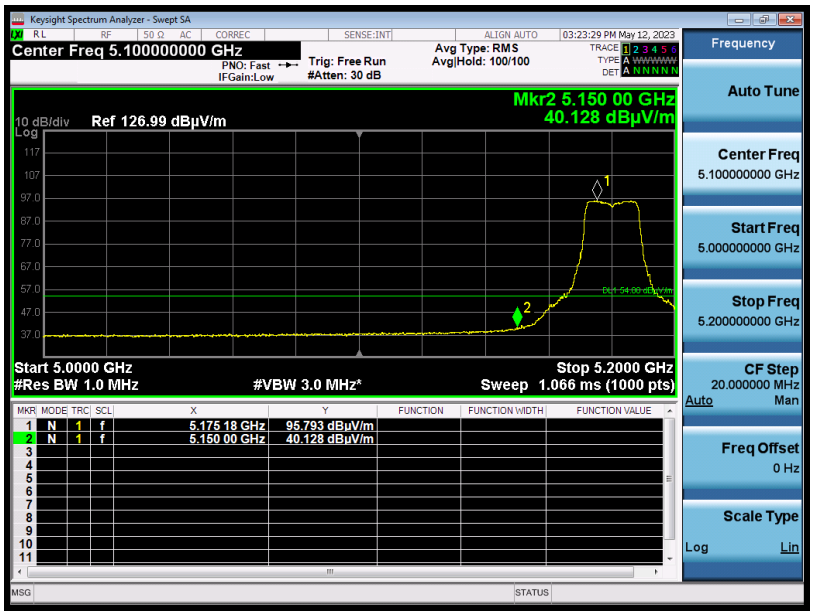
Test result for band edge emission at restricted bands

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5180MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



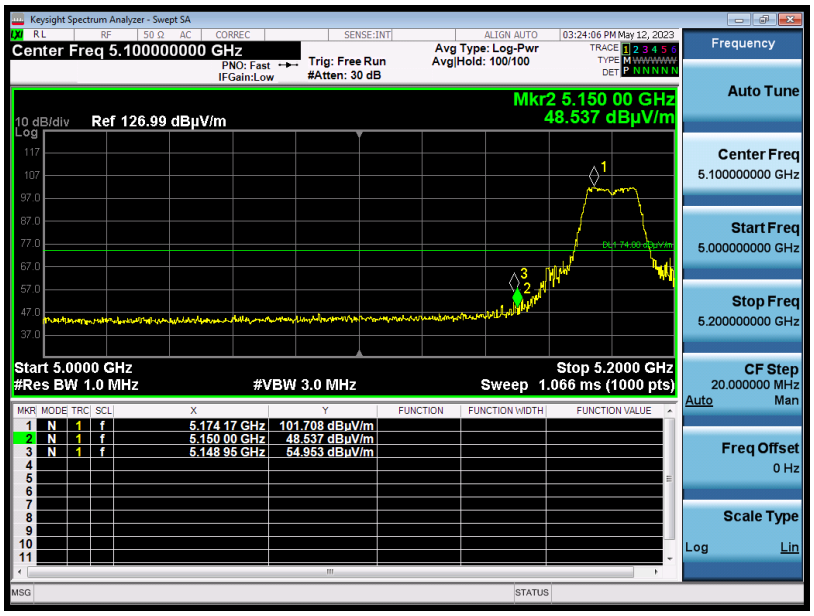
Test Graph for Average Measurement



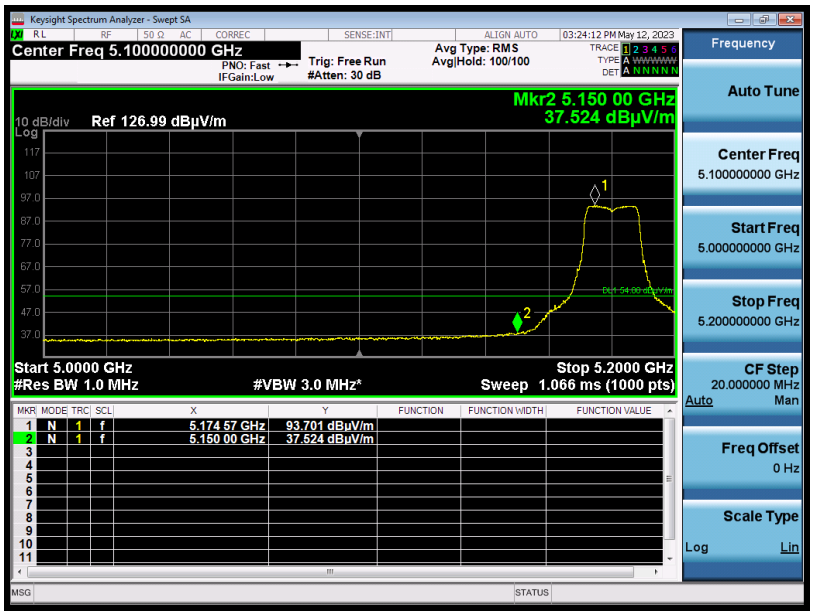
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5180MHz	**Antenna**	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement

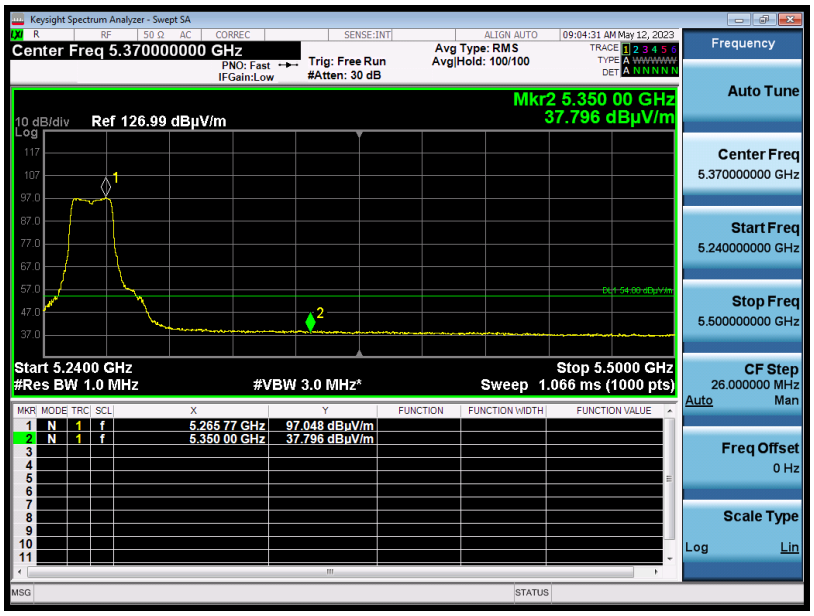


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5260MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

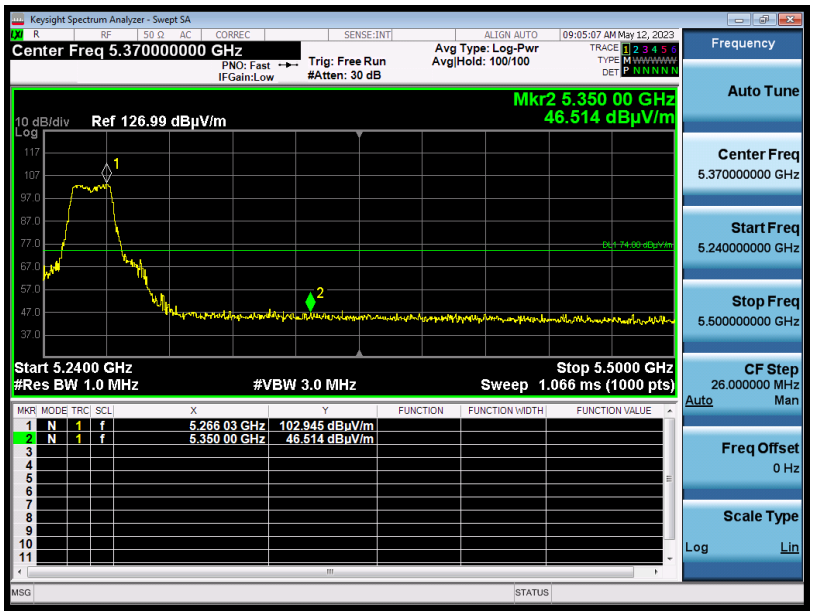
Test Graph for Average Measurement



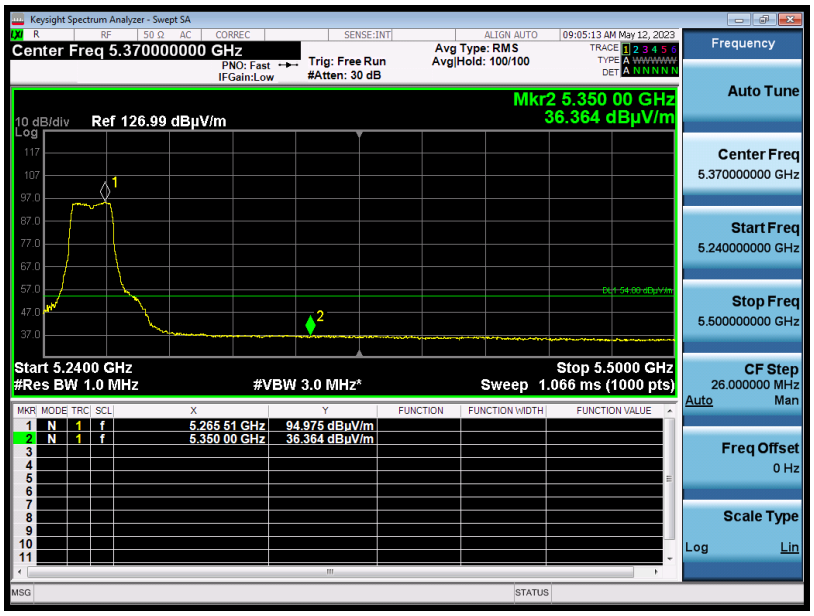
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5260MHz	**Antenna**	Vertical

Test Graph for Peak Measurement



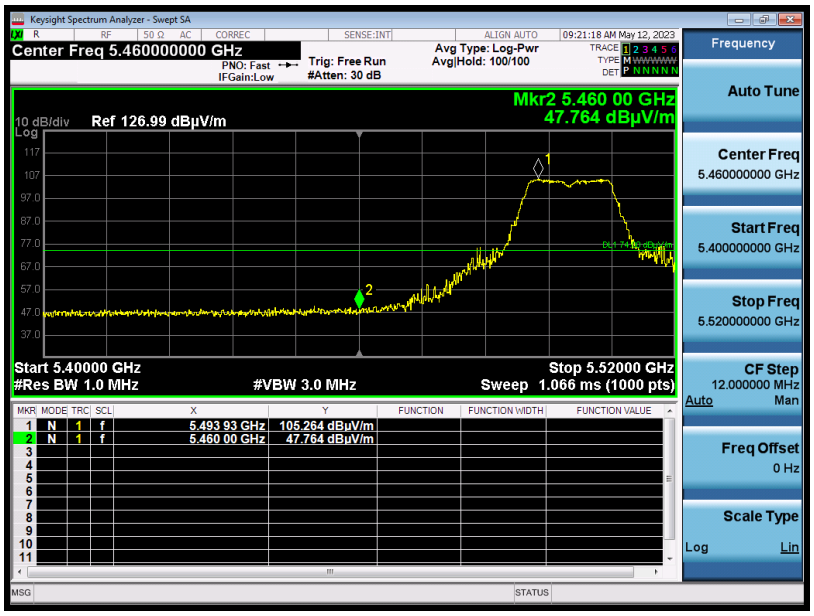
Test Graph for Average Measurement



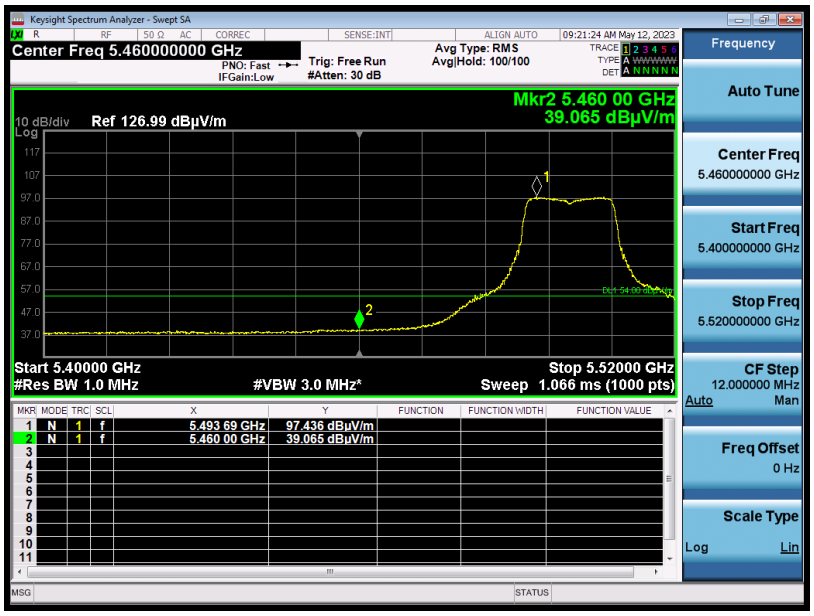
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5500MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

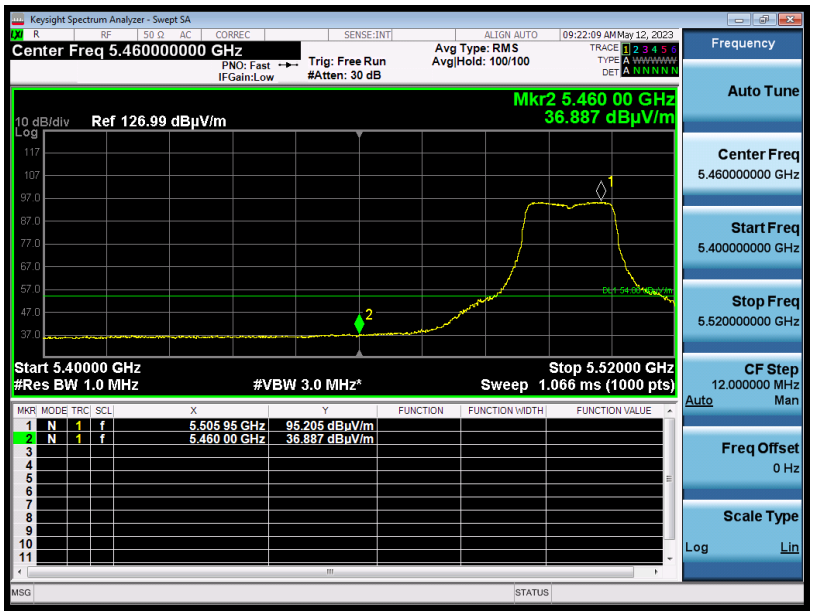


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a 5500MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

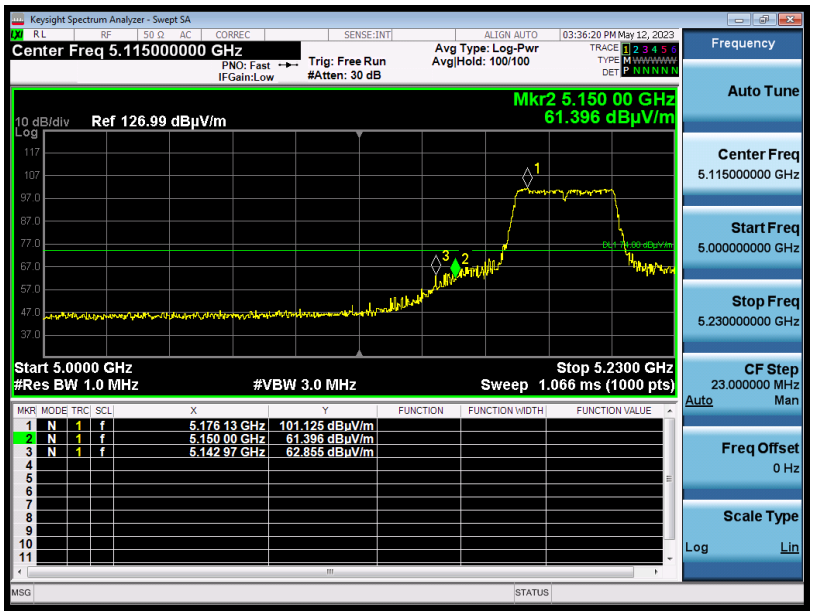
Test Graph for Average Measurement



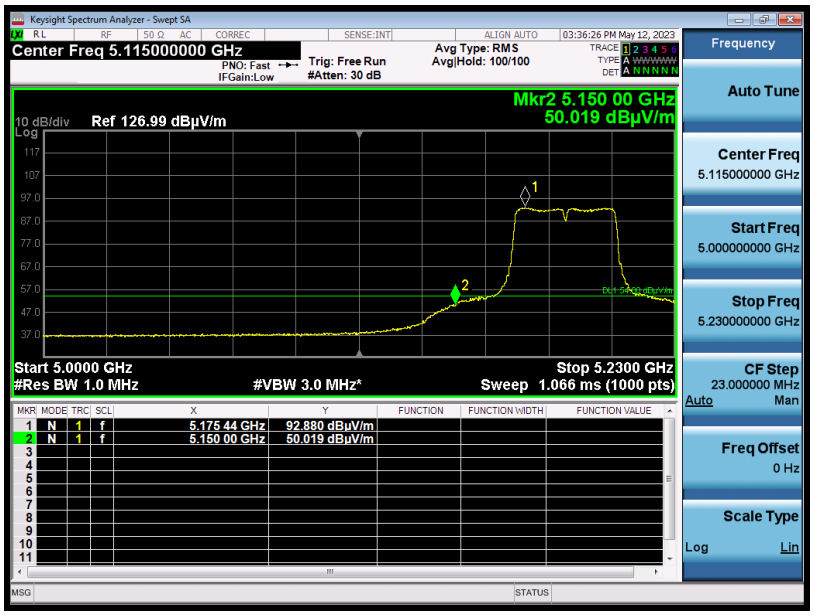
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5190MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



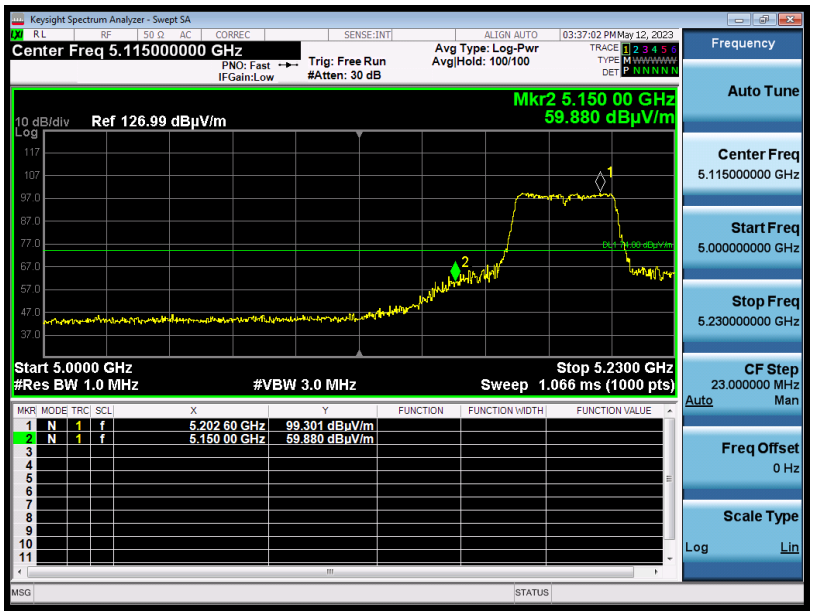
Test Graph for Average Measurement



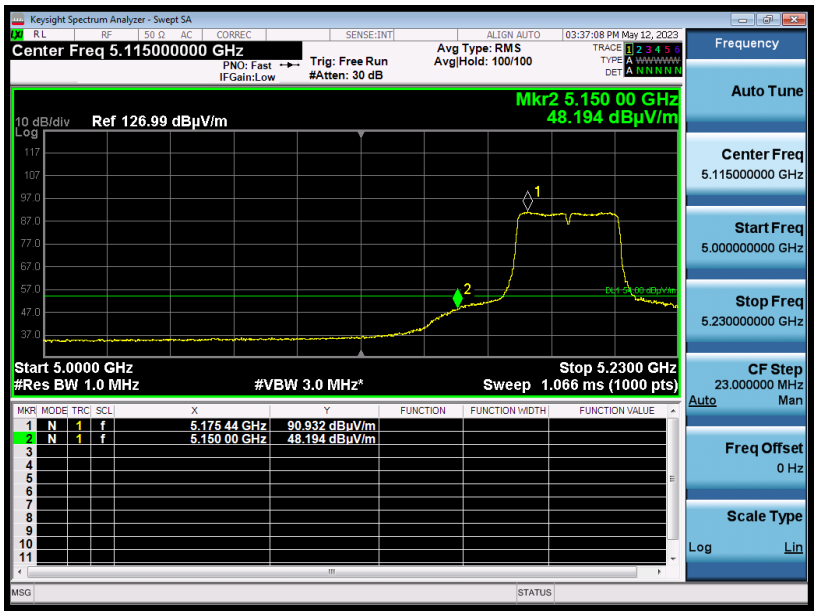
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5190MHz	**Antenna**	Vertical

Test Graph for Peak Measurement



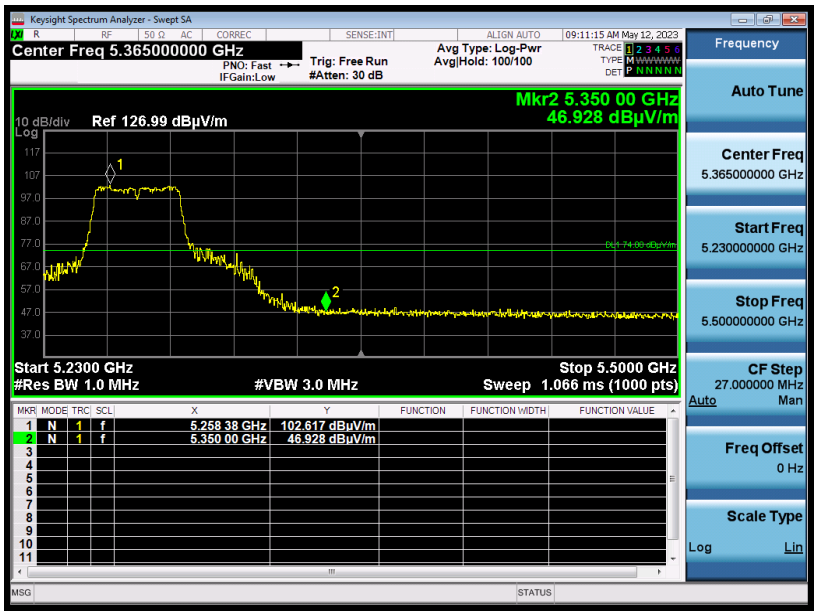
Test Graph for Average Measurement



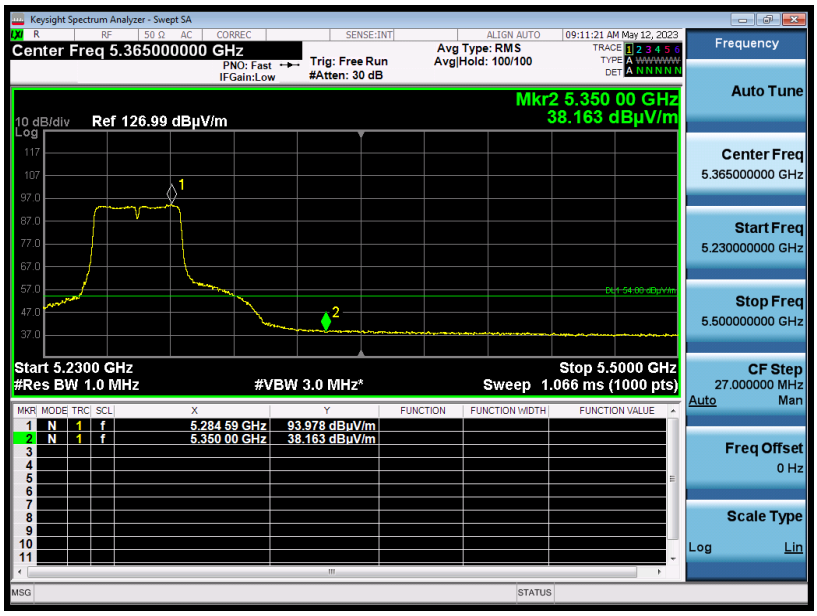
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5270MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



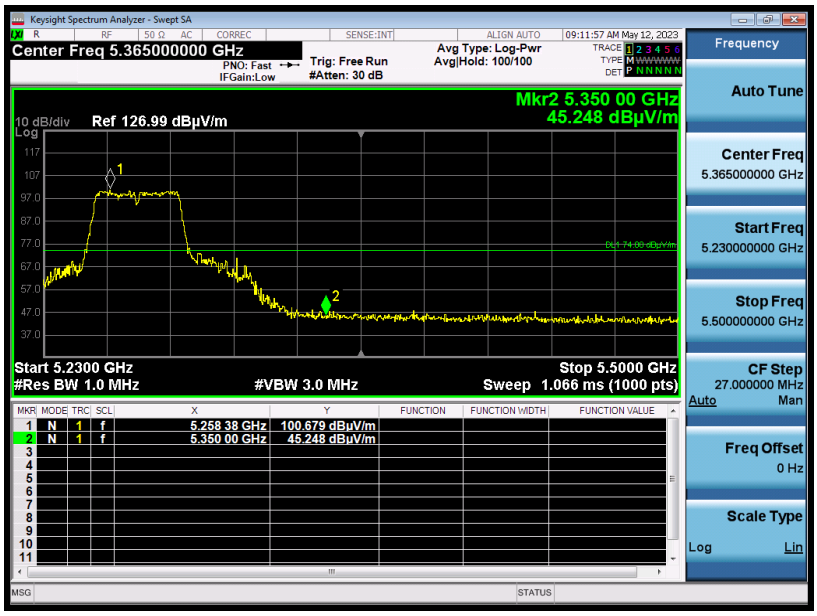
Test Graph for Average Measurement



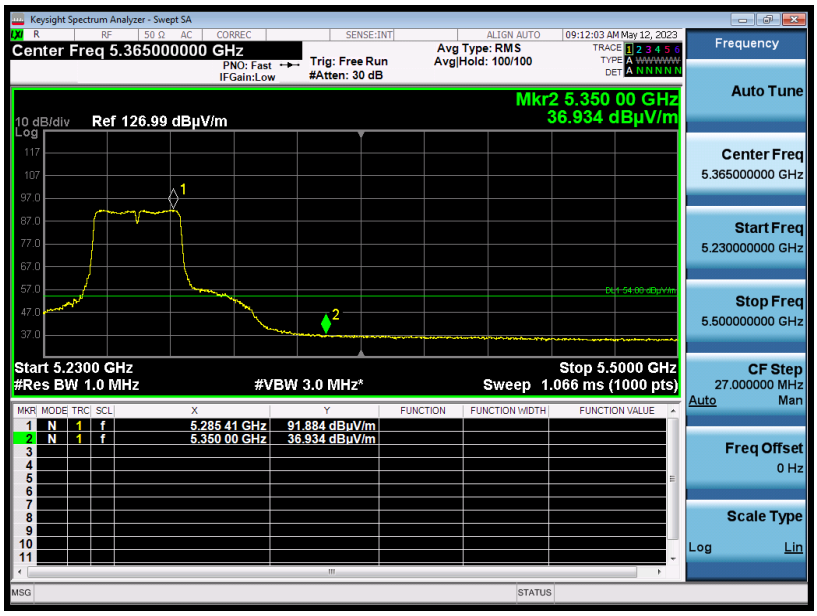
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5270MHz	**Antenna**	Vertical

Test Graph for Peak Measurement



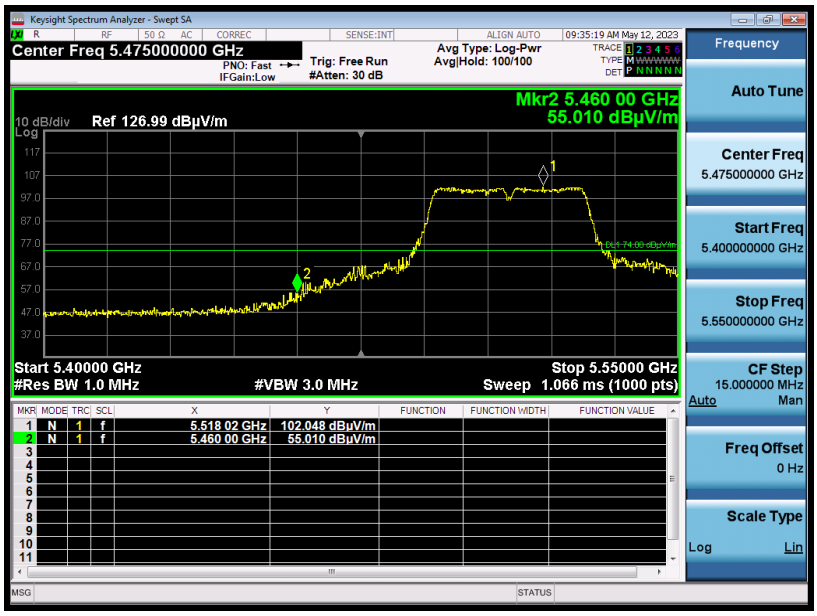
Test Graph for Average Measurement



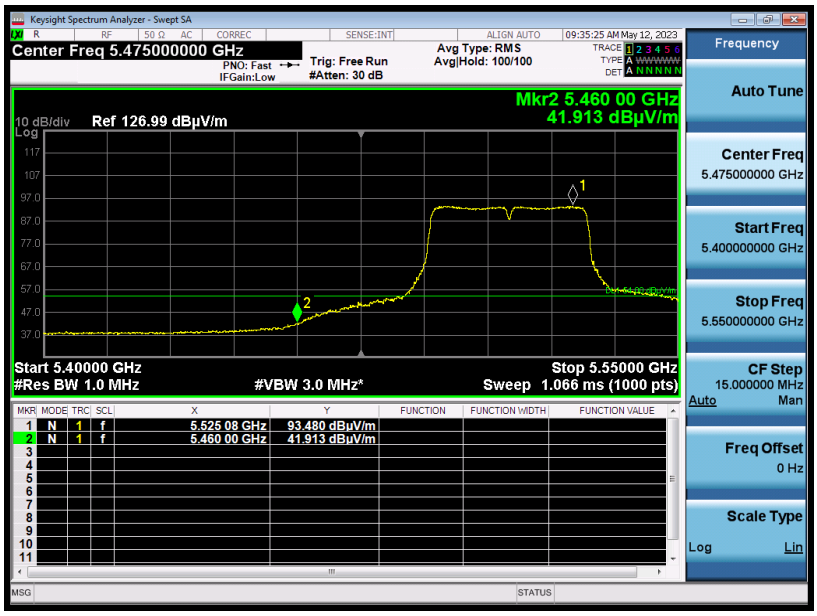
RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5510MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

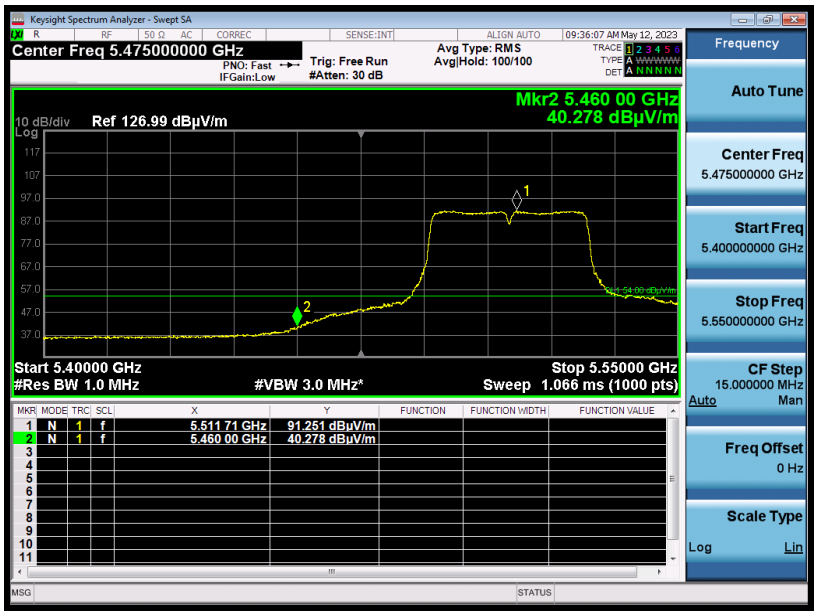


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n40 5510MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

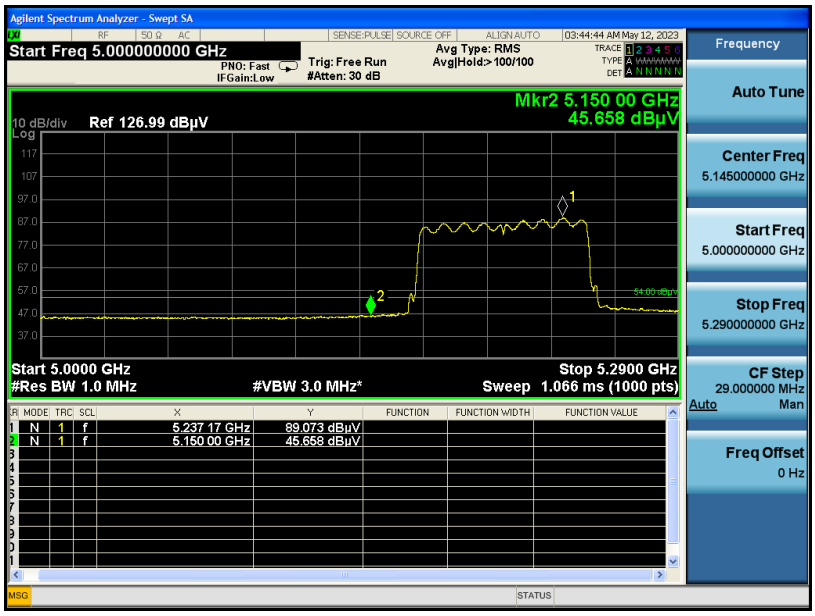


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5210MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement

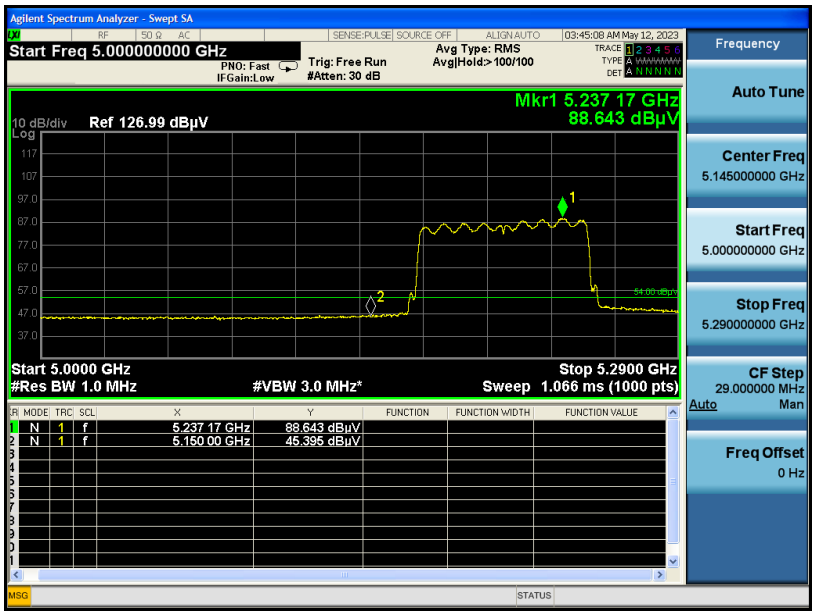


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5210MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

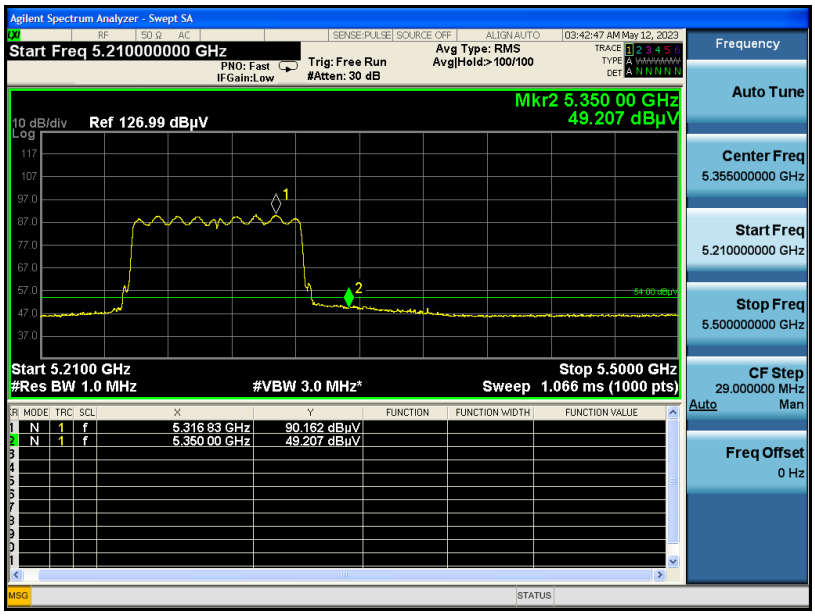


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5290MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement

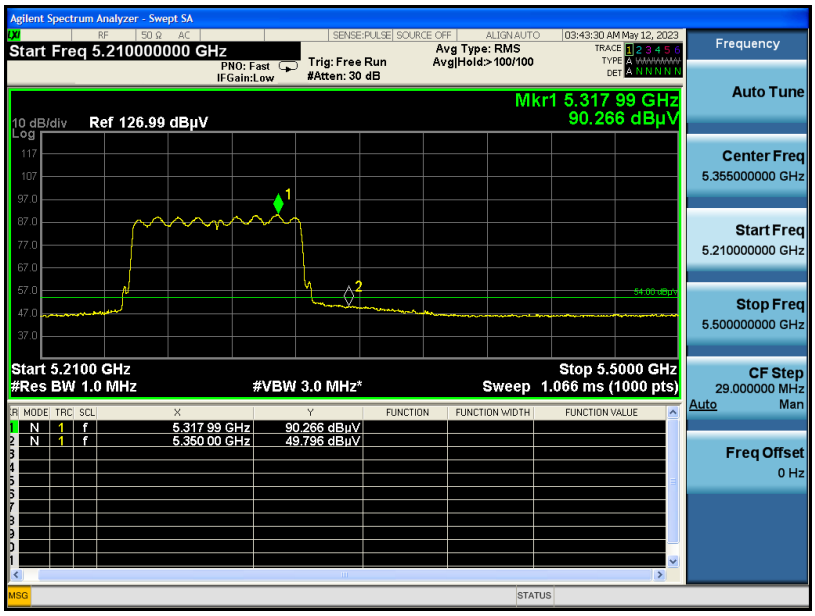


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5290MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

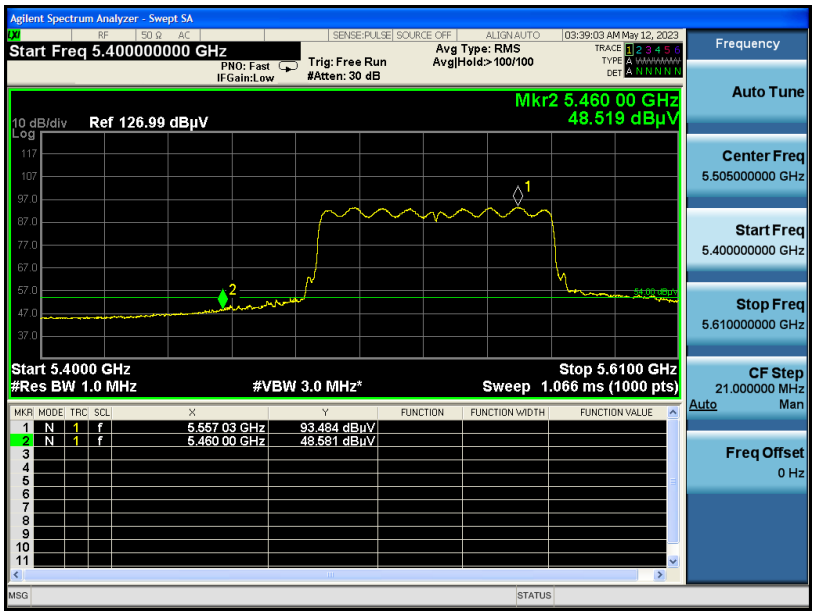


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5530MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement

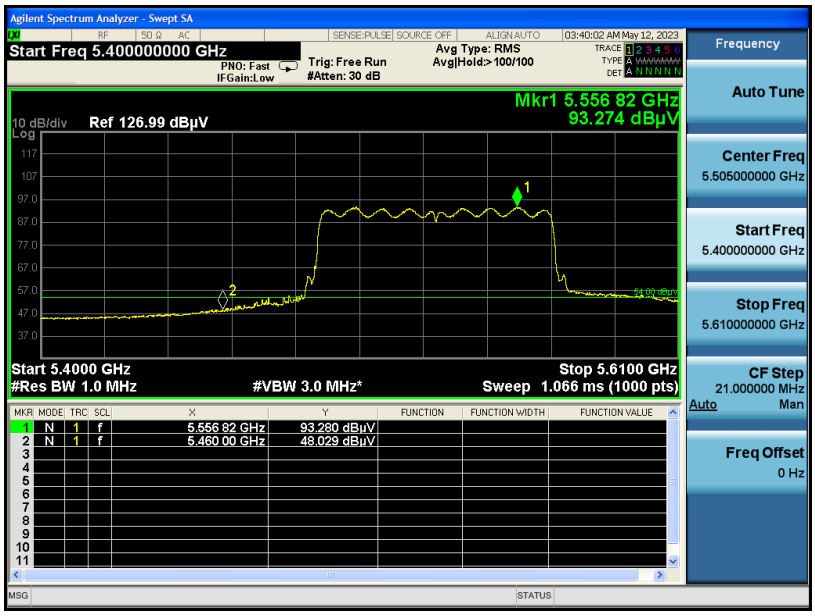


RESULT: PASS

Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11ac80 5530MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



RESULT: PASS

Note: 1. All the 20MHz bandwidth modulation had been tested, the 802.11a at 5180MHz, 5260 MHz, 5500MHz was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 at 5190MHz, 5270MHz, 5510MHz was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80 at 5210MHz, 5290MHz, 5530MHz was the worst case and record in his test report.

2. The factor had been edited in the “Input Correction” of the Spectrum Analyzer.

3. Only the data of band edge emission at the restricted band 4.5GHz-5.15GHz and 5.35GHz-5.46GHz record in the report. Other restricted band 7.25GHz-7.77GHz were considered as ambient noise. No recording in the test report.

4. The sideband standard of Band 4 frequency band is not defined, the transmitted signal does not fall in the restricted band, and the edge signal is far away from the edge of other restricted bands, and it is not recorded in the report.

5 OCCUPIED BANDWIDTH

5.1 TEST LIMIT

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in KDB 789033 D02 , and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 26dB bandwidth.

FCC Part 15 Subpart C(15.407)		
Test Item	Limit	Frequency Range(MHz)
26 dB Bandwidth	N/A	5150~5250
		5250~5350
		5470~5725
6 dB Bandwidth	>500kHz	5725~5850

5.2 TEST 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:

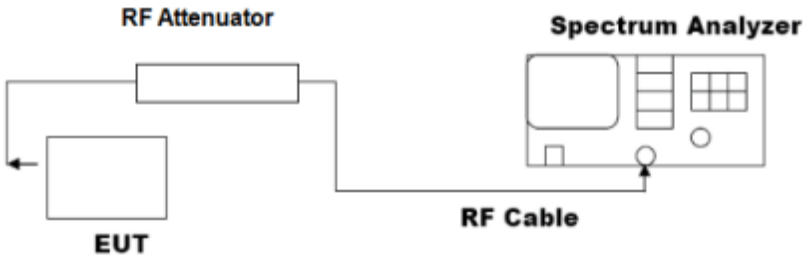
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel
   The nominal IF filter bandwidth (3 dB RBW) shall 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.

5.3 TEST SET-UP



5.4 TEST RESULT

PASS

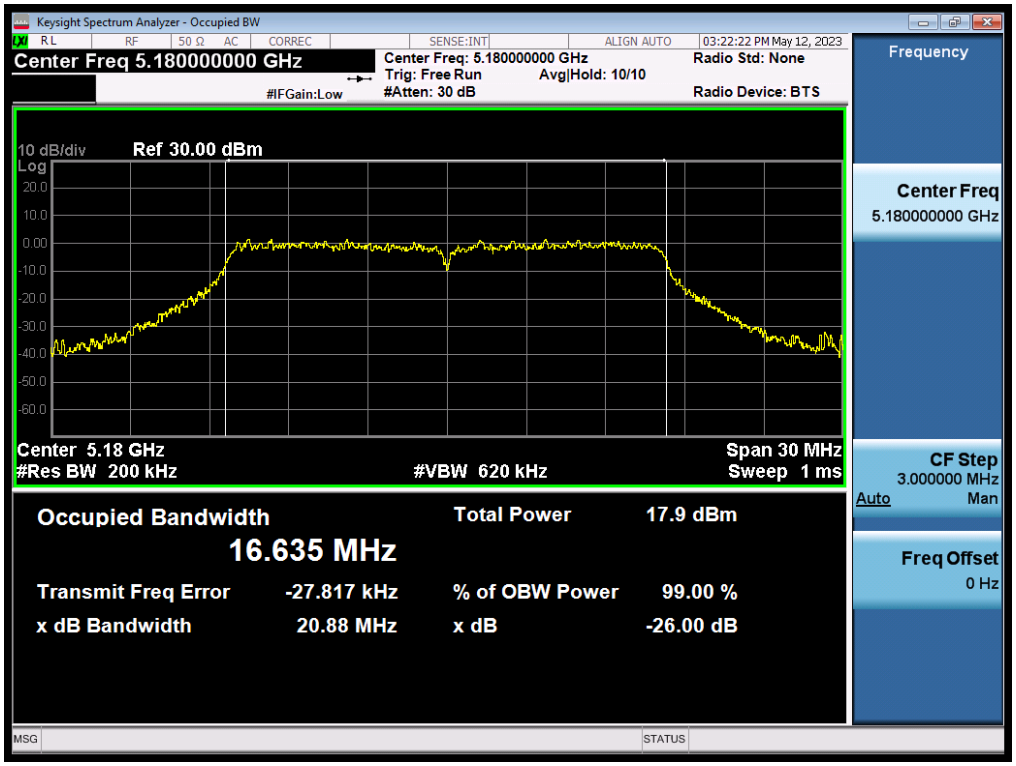
Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.635	20.88	N/A	Pass
	5200	16.586	20.51	N/A	Pass
	5240	16.636	20.96	N/A	Pass
802.11n20	5180	17.683	21.25	N/A	Pass
	5200	17.741	21.50	N/A	Pass
	5240	17.698	21.21	N/A	Pass
802.11n40	5190	36.326	42.09	N/A	Pass
	5230	36.285	42.09	N/A	Pass
802.11ac20	5180	17.710	21.49	N/A	Pass
	5200	17.729	21.79	N/A	Pass
	5240	17.694	21.50	N/A	Pass
802.11ac40	5190	36.217	41.42	N/A	Pass
	5230	36.218	41.56	N/A	Pass
802.11ac80	5210	75.433	82.27	N/A	Pass

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.25-5.35 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5260	16.657	21.11	N/A	Pass
	5300	16.669	21.32	N/A	Pass
	5320	16.654	21.03	N/A	Pass
802.11n20	5260	17.727	21.79	N/A	Pass
	5300	17.712	22.49	N/A	Pass
	5320	17.673	21.20	N/A	Pass
802.11n40	5270	36.312	42.00	N/A	Pass
	5310	36.308	42.75	N/A	Pass
802.11ac20	5260	17.726	21.40	N/A	Pass
	5300	17.699	21.55	N/A	Pass
	5320	17.783	21.44	N/A	Pass
802.11ac40	5270	36.219	41.57	N/A	Pass
	5310	36.248	41.21	N/A	Pass
802.11ac80	5290	75.465	82.22	N/A	Pass

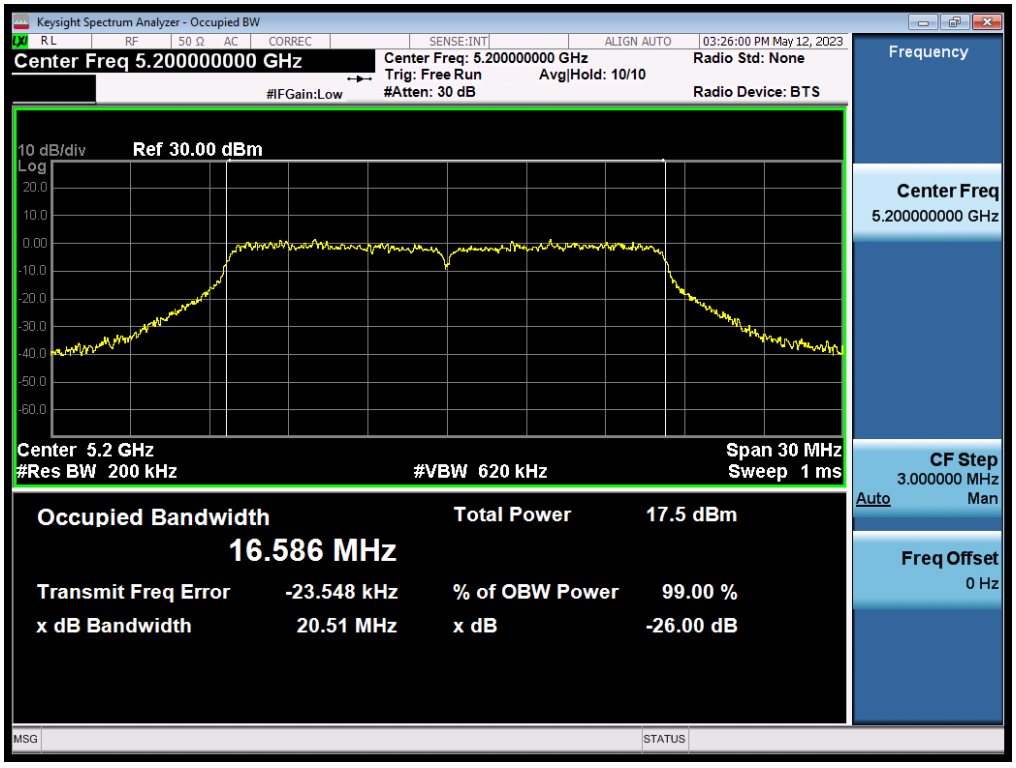
Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.47-5.725 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5500	16.645	21.43	N/A	Pass
	5600	16.578	20.99	N/A	Pass
	5700	16.646	20.95	N/A	Pass
802.11n20	5500	17.712	21.63	N/A	Pass
	5600	17.653	20.92	N/A	Pass
	5700	17.688	21.48	N/A	Pass
802.11n40	5510	36.292	42.21	N/A	Pass
	5590	36.314	41.85	N/A	Pass
	5670	36.330	42.24	N/A	Pass
802.11ac20	5500	17.683	21.37	N/A	Pass
	5600	17.675	20.83	N/A	Pass
	5700	17.719	21.27	N/A	Pass
802.11ac40	5510	36.275	42.13	N/A	Pass
	5590	36.311	42.17	N/A	Pass
	5670	36.300	41.91	N/A	Pass
802.11ac80	5530	75.494	82.52	N/A	Pass
	5610	75.537	90.94	N/A	Pass

Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5745	16.676	16.38	0.5	Pass
	5785	16.591	16.33	0.5	Pass
	5825	16.634	16.37	0.5	Pass
802.11n20	5745	17.793	17.57	0.5	Pass
	5785	17.746	17.24	0.5	Pass
	5825	17.733	17.31	0.5	Pass
802.11n40	5755	36.284	36.32	0.5	Pass
	5795	36.284	36.33	0.5	Pass
802.11ac20	5745	17.751	16.92	0.5	Pass
	5785	17.755	17.57	0.5	Pass
	5825	17.735	17.54	0.5	Pass
802.11ac40	5755	36.394	36.35	0.5	Pass
	5795	36.310	36.95	0.5	Pass
802.11ac80	5775	75.574	75.83	0.5	Pass

Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz



802.11a_ANT1_5180_6Mbps_OBW



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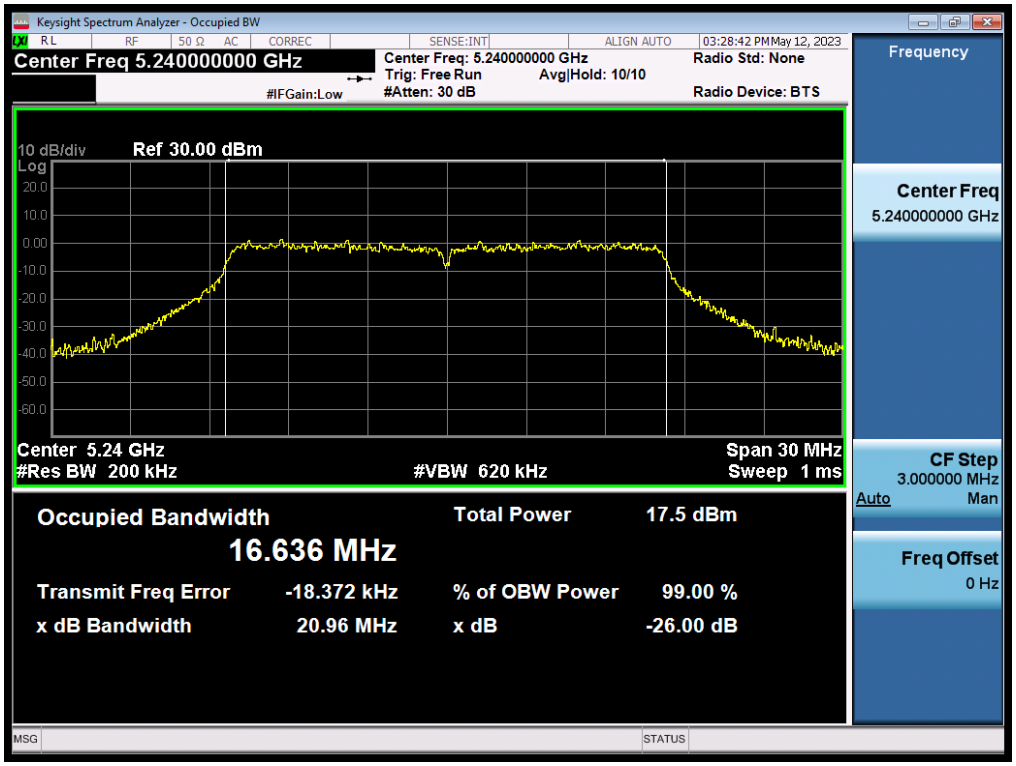

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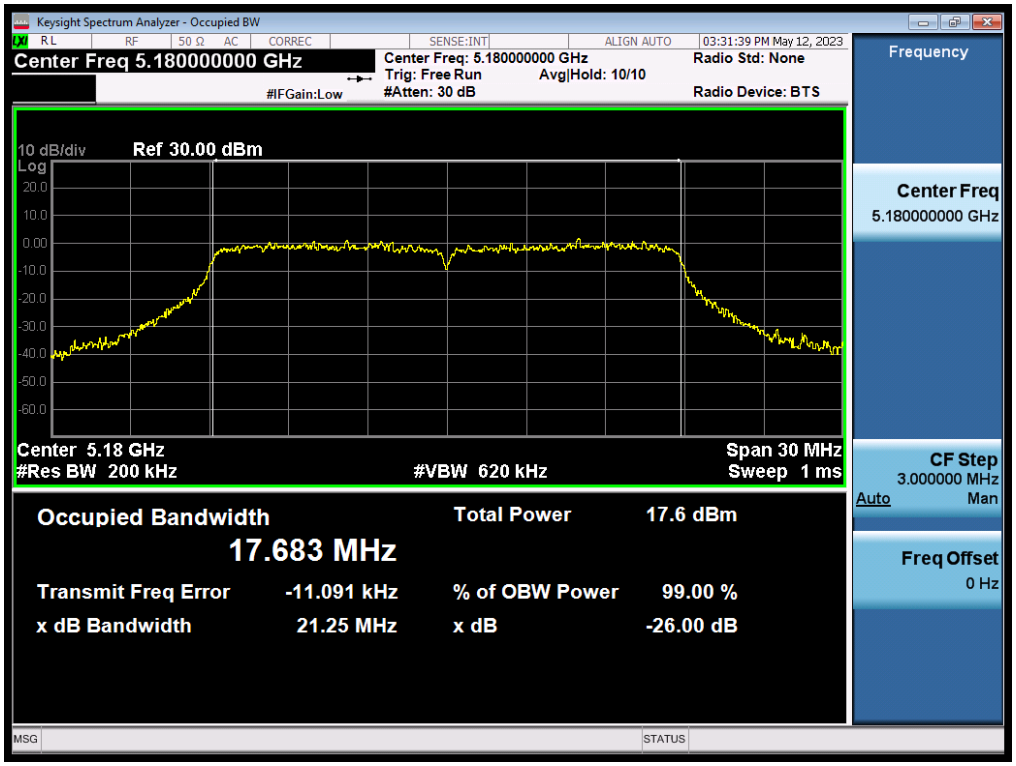

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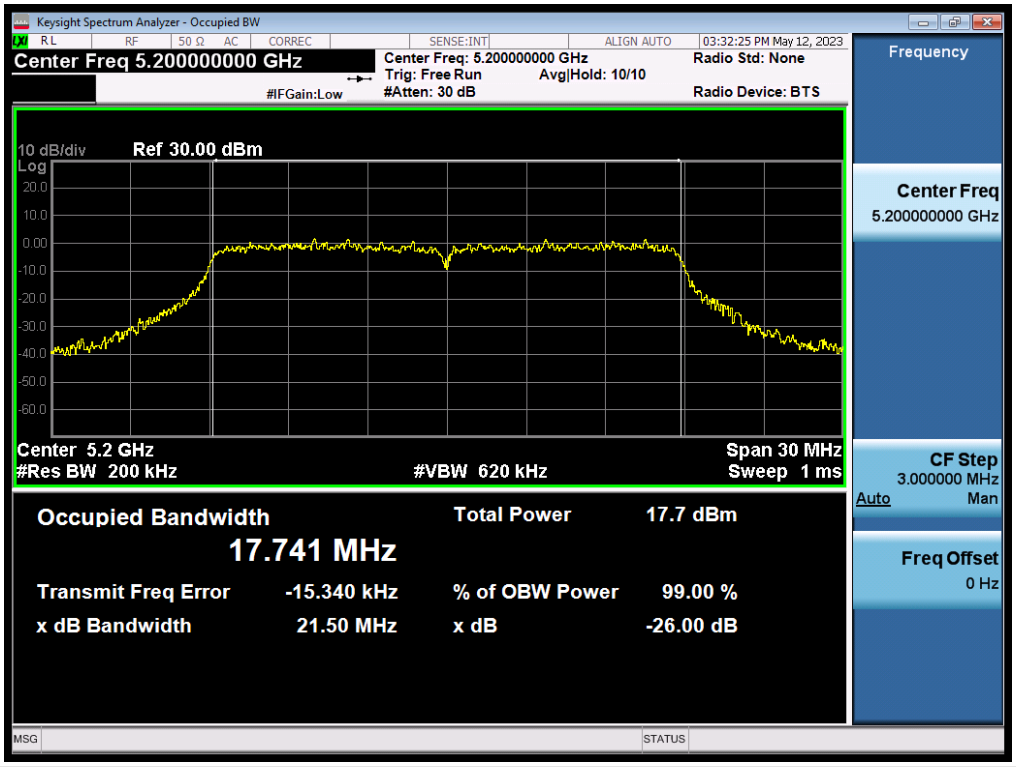

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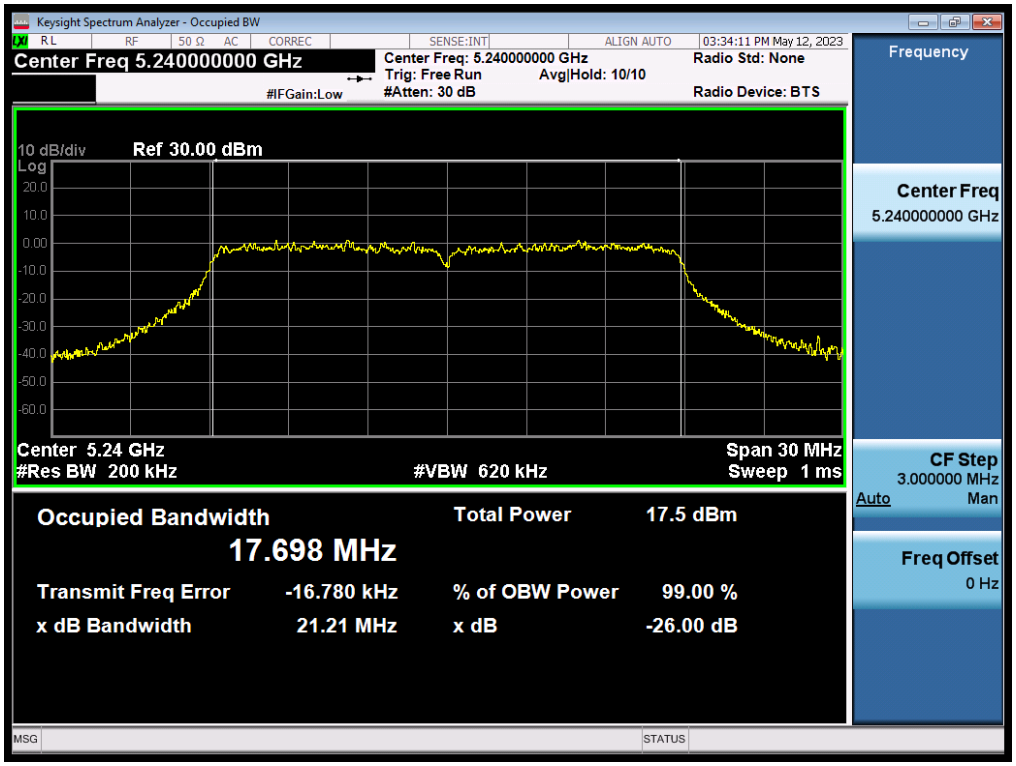

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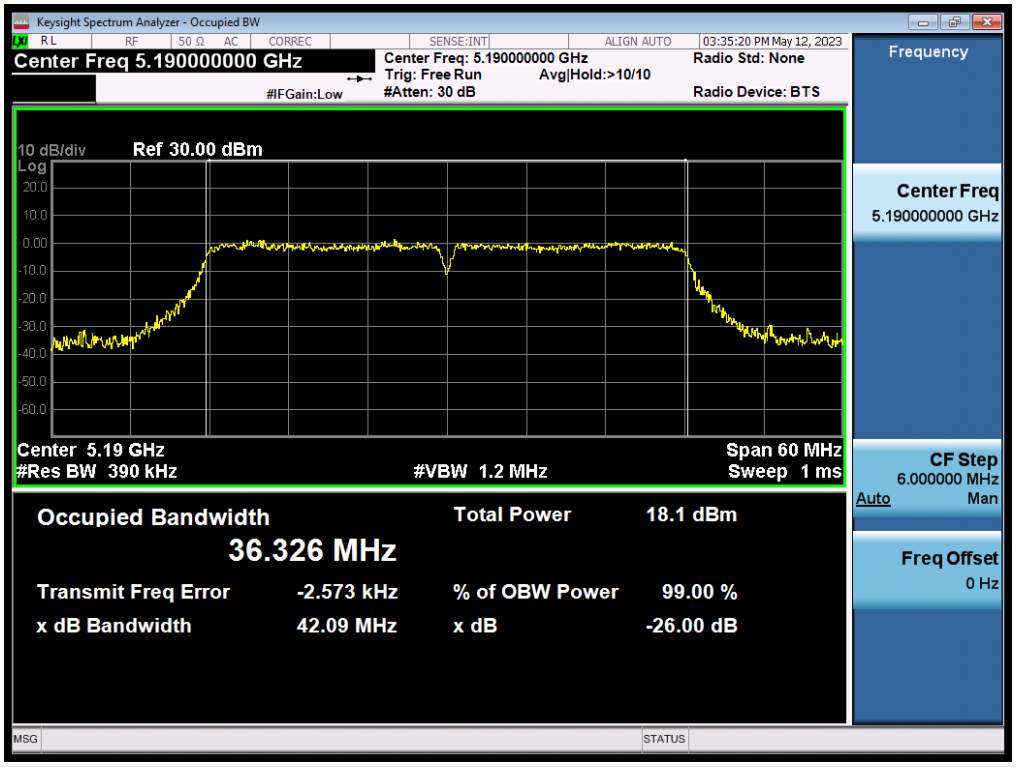

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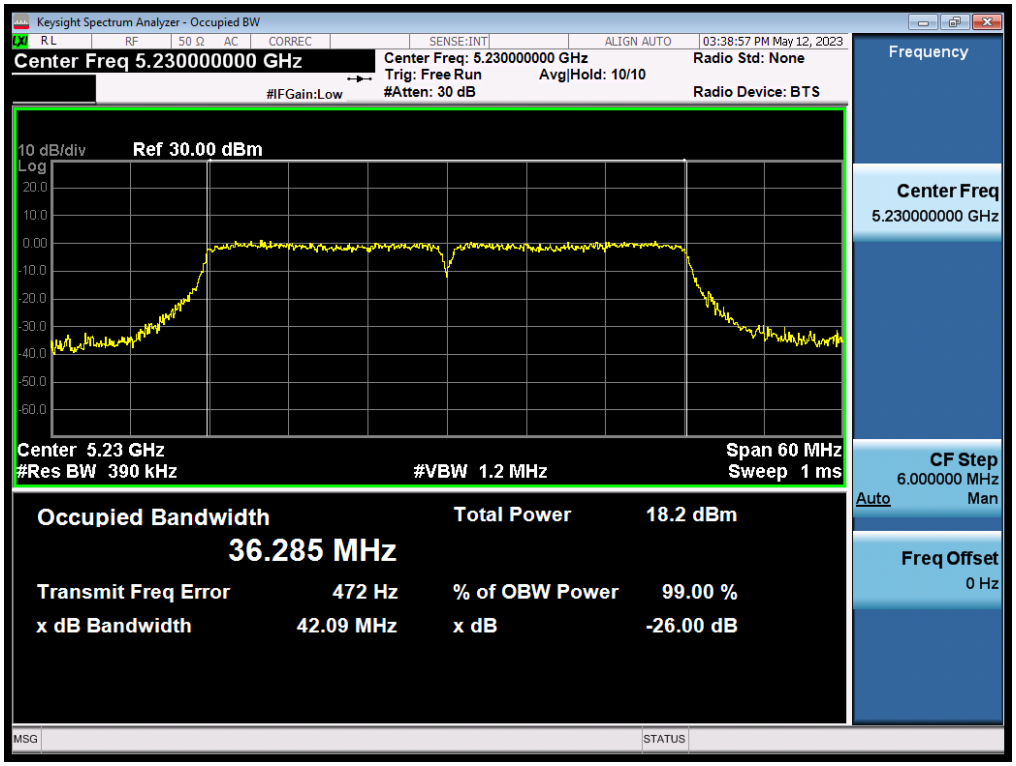

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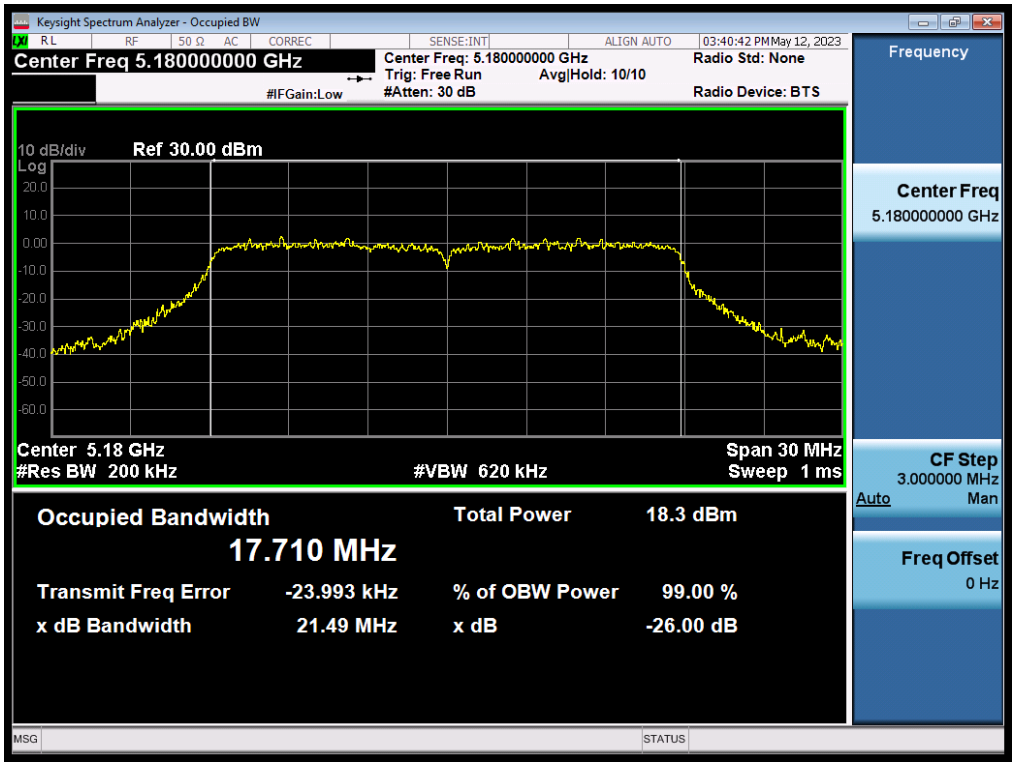

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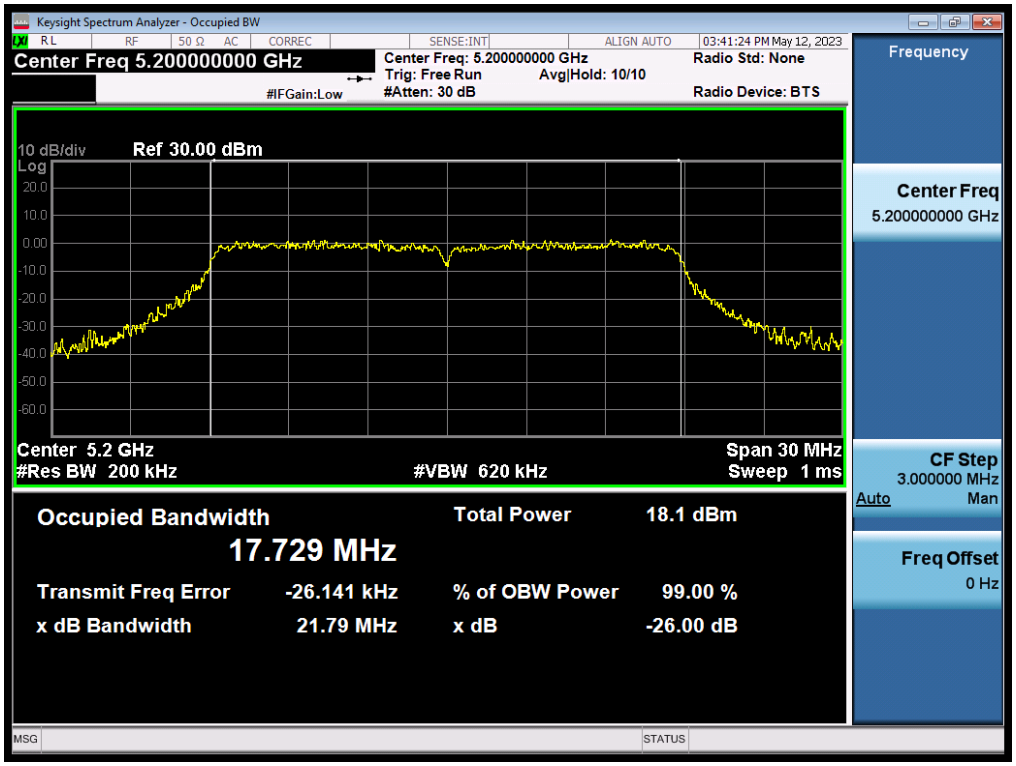

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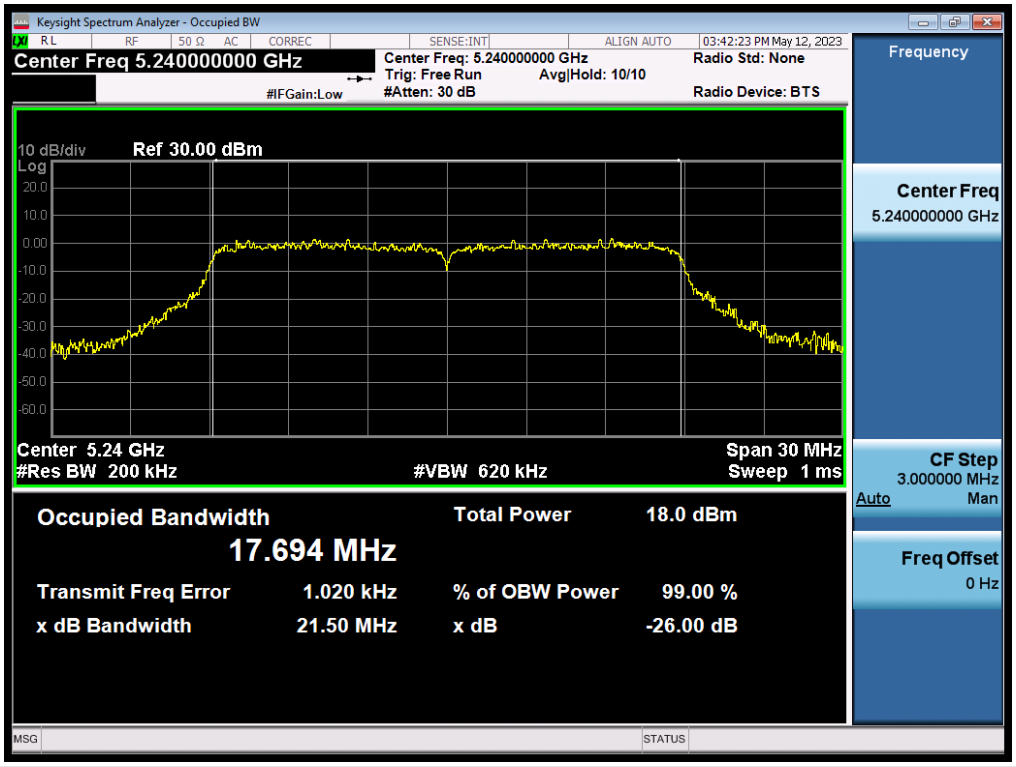

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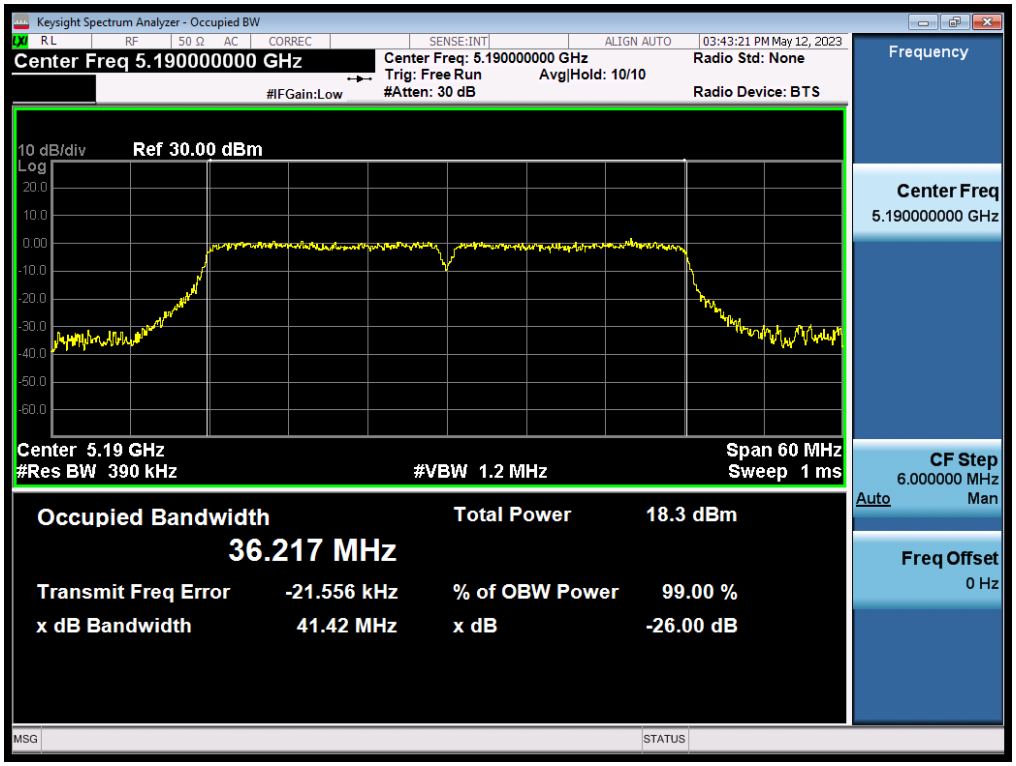

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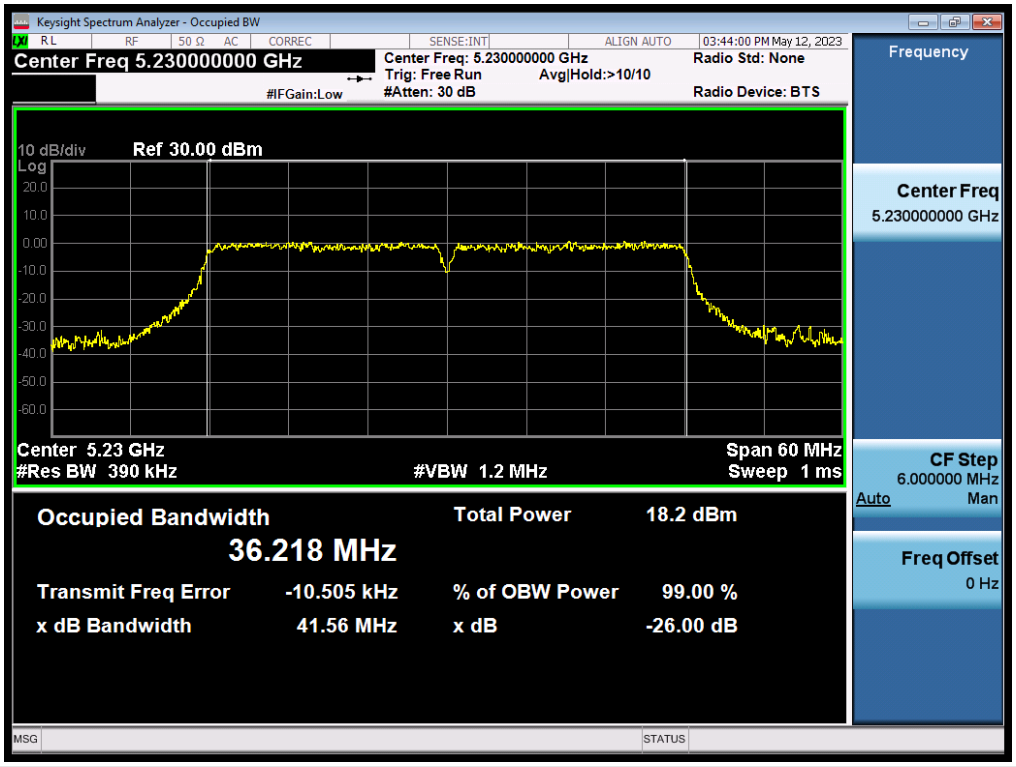

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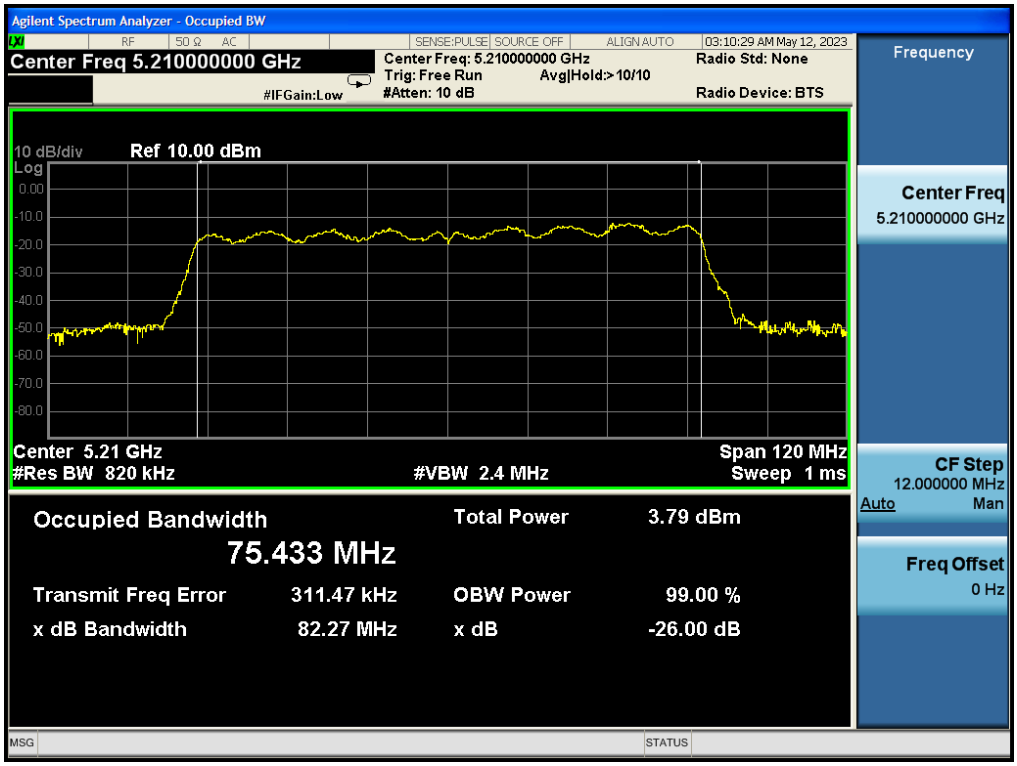
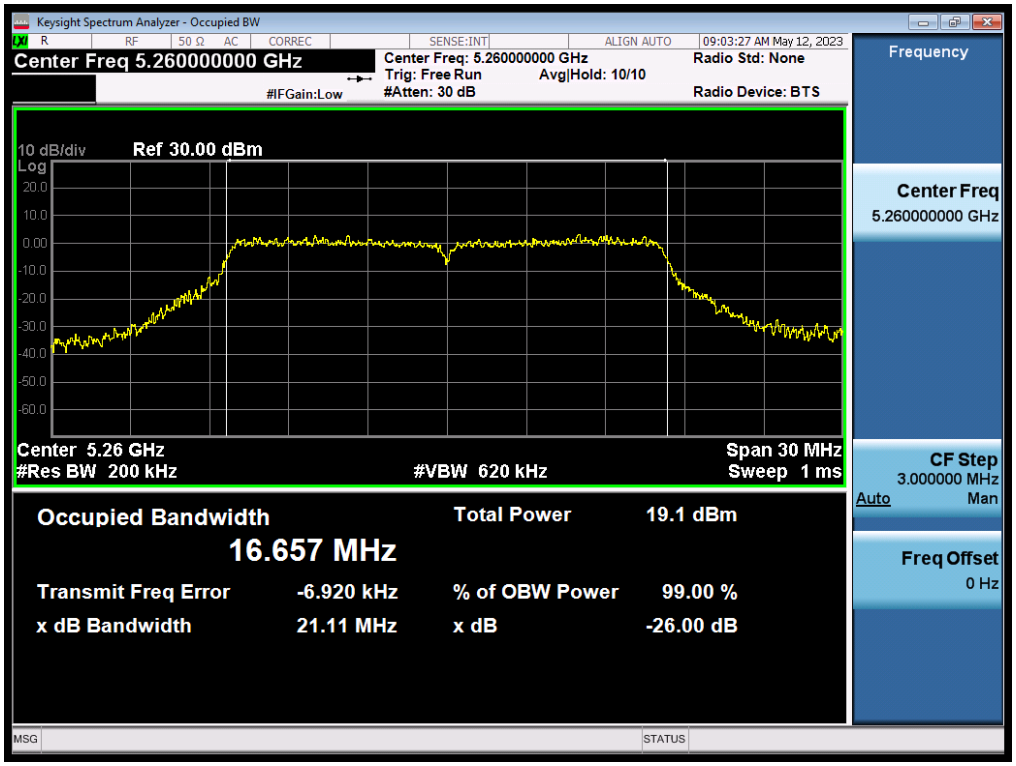
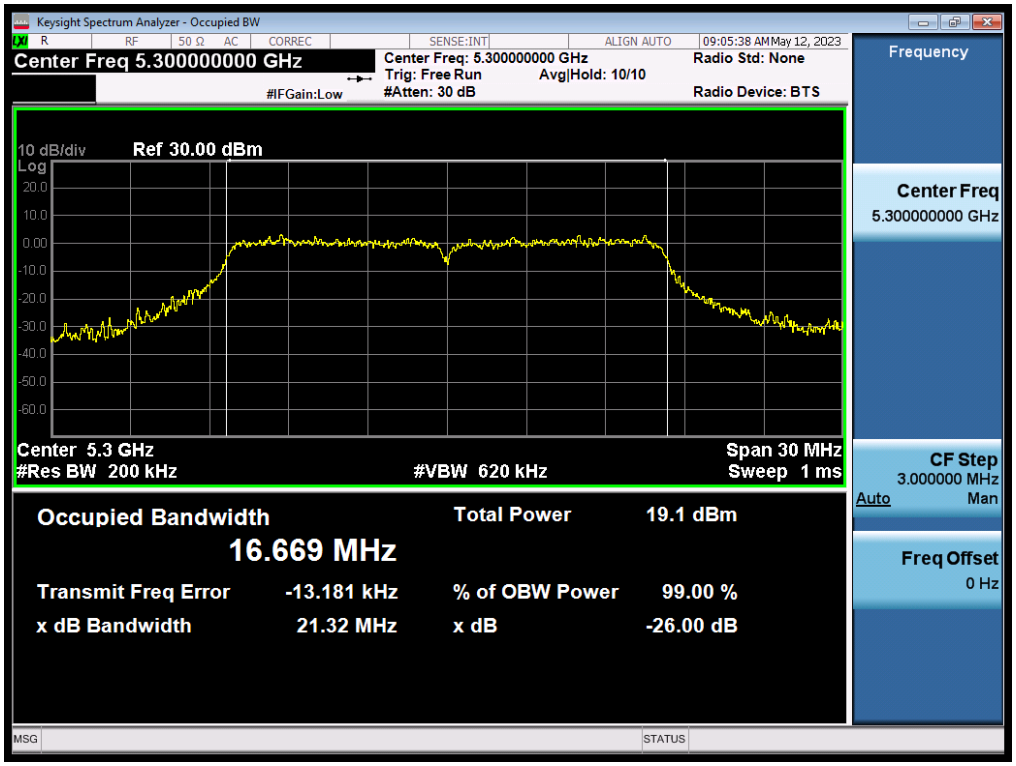


802.11ac80_ANT1_5210_MCS0_OBW

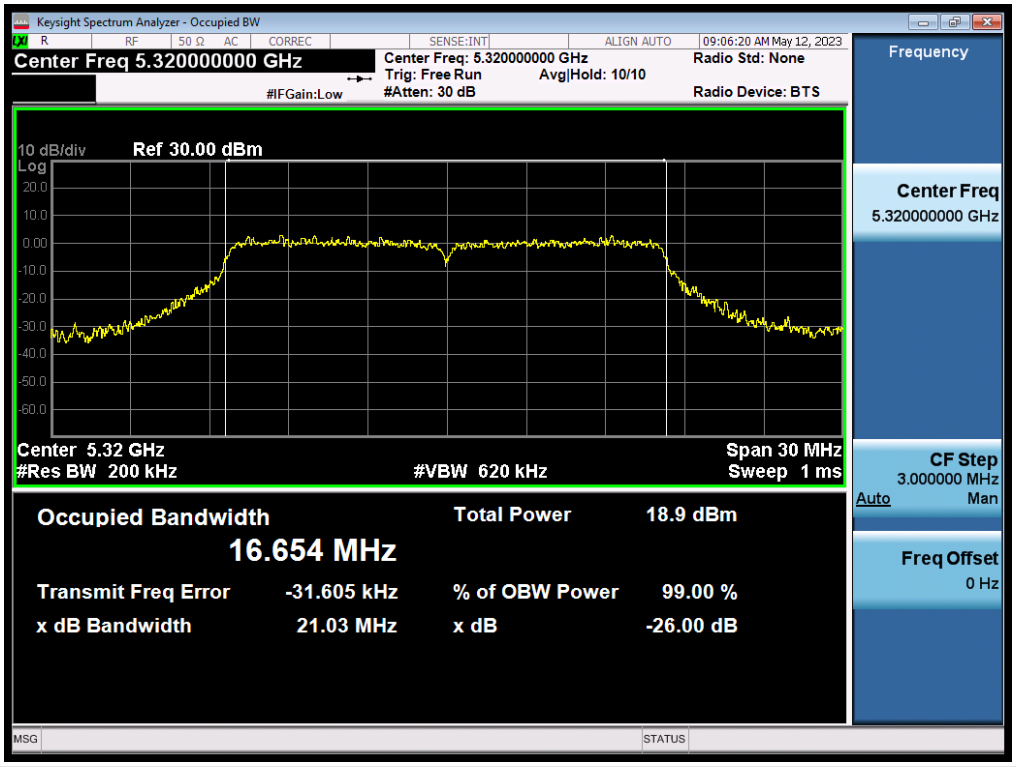
Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.25-5.35 GHz



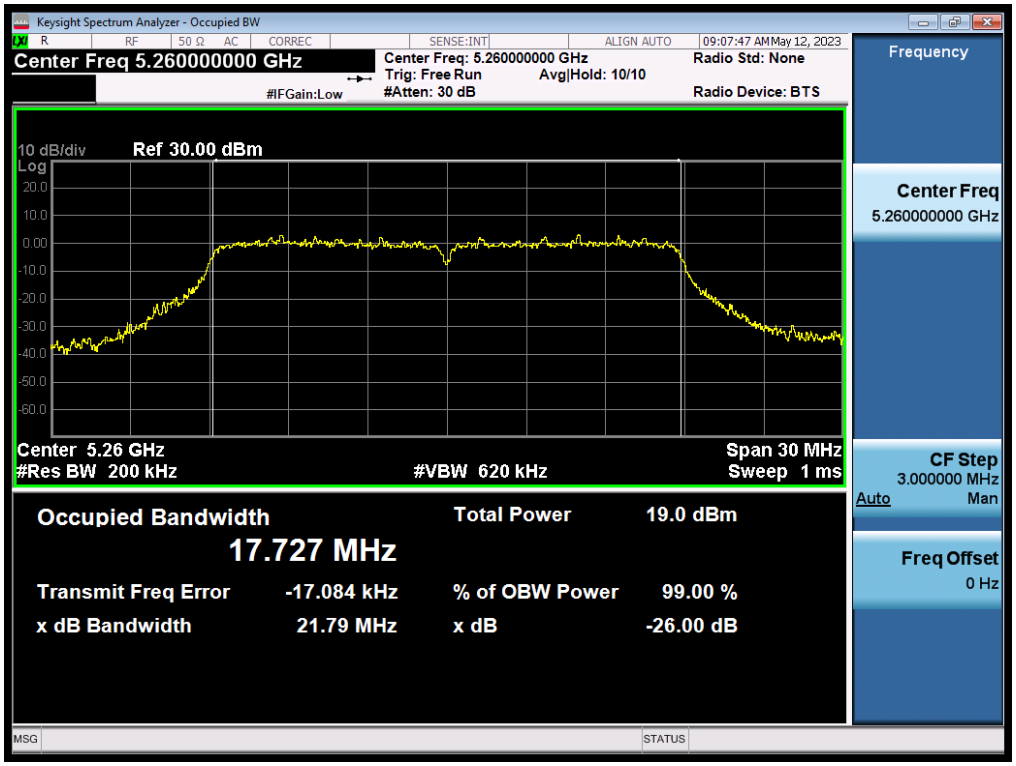
802.11a_ANT1_5260_6Mbps_OBW



802.11a_ANT1_5300_6Mbps_OBW



802.11a_ANT1_5320_6Mbps_OBW



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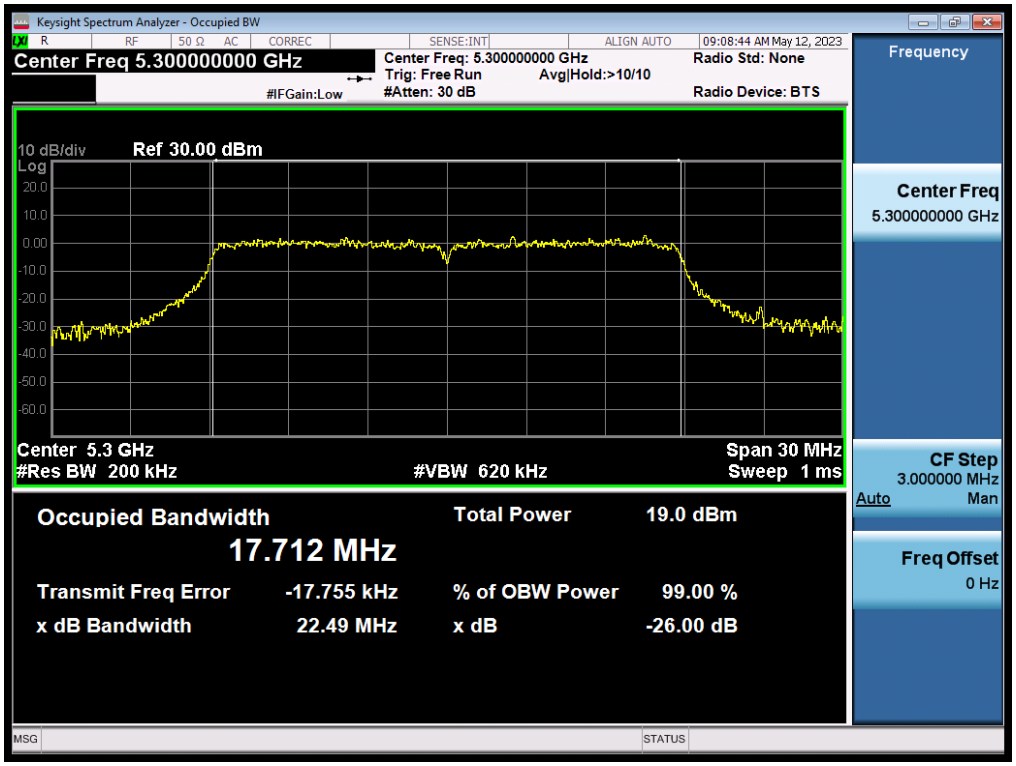

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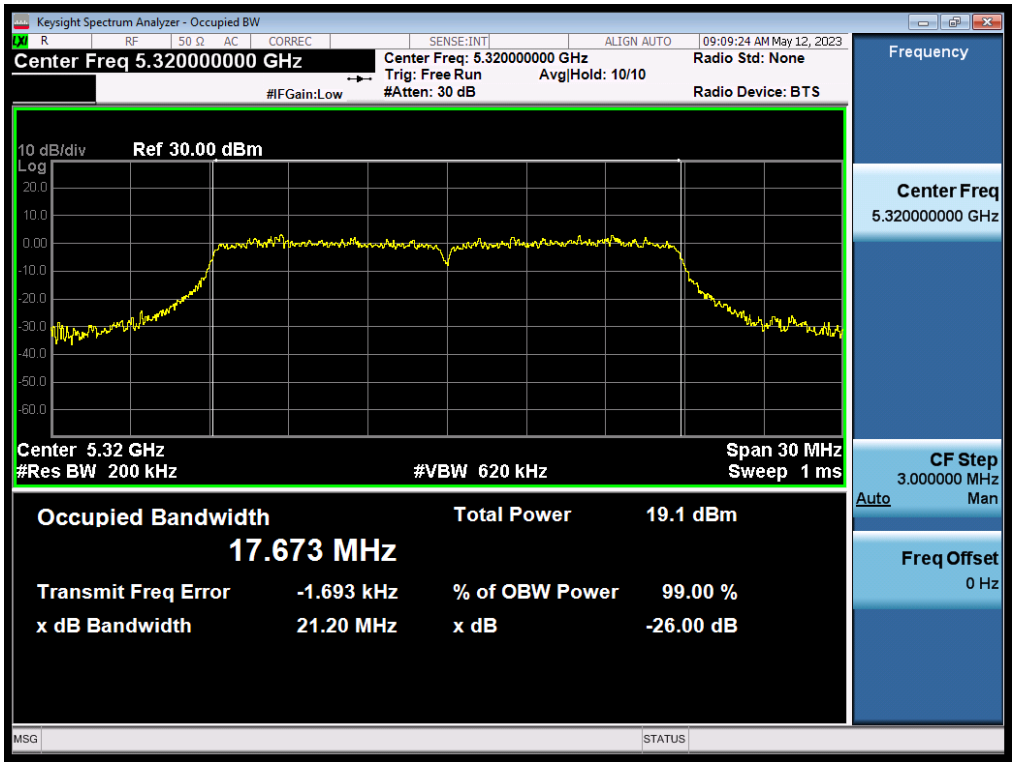

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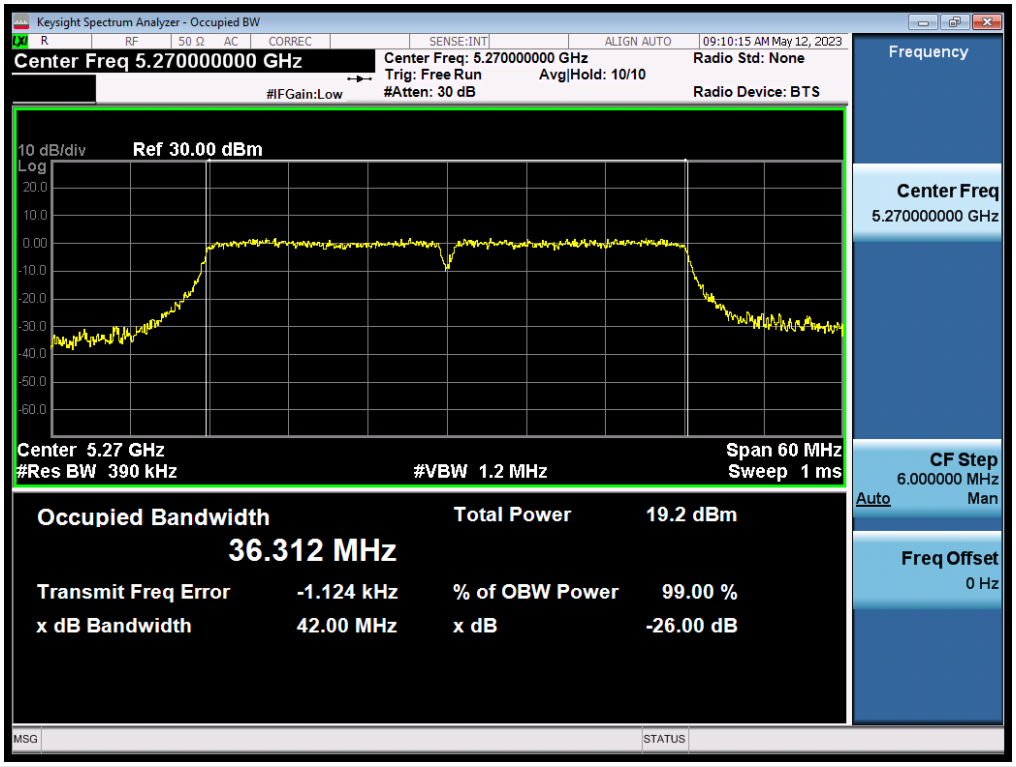

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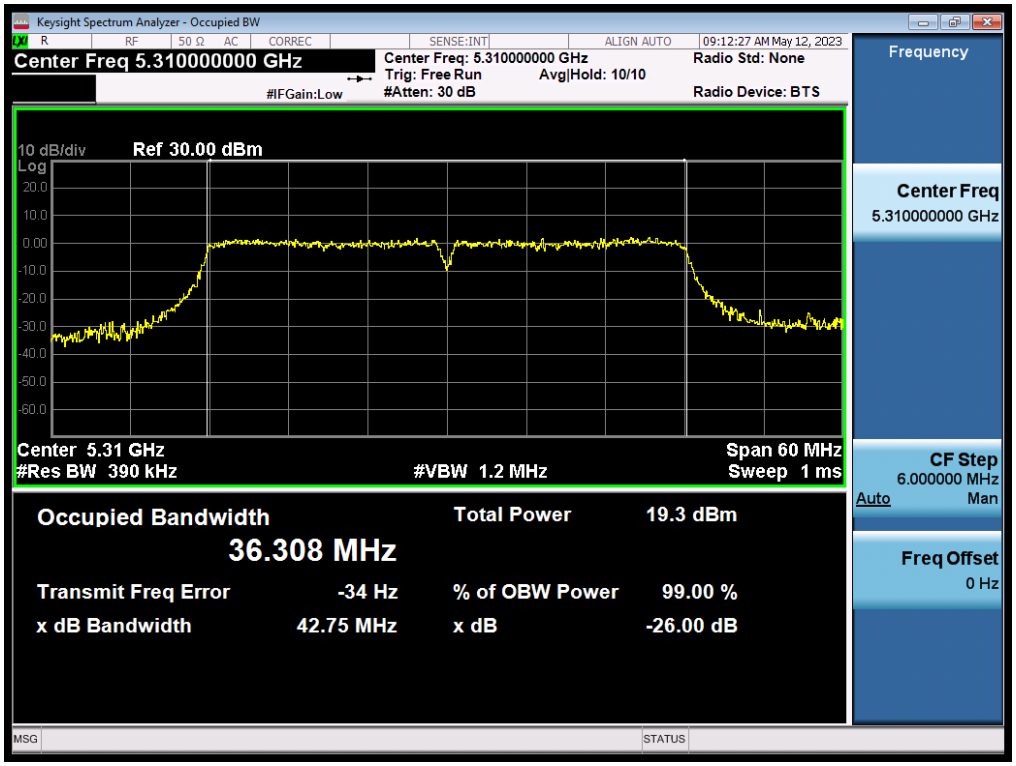
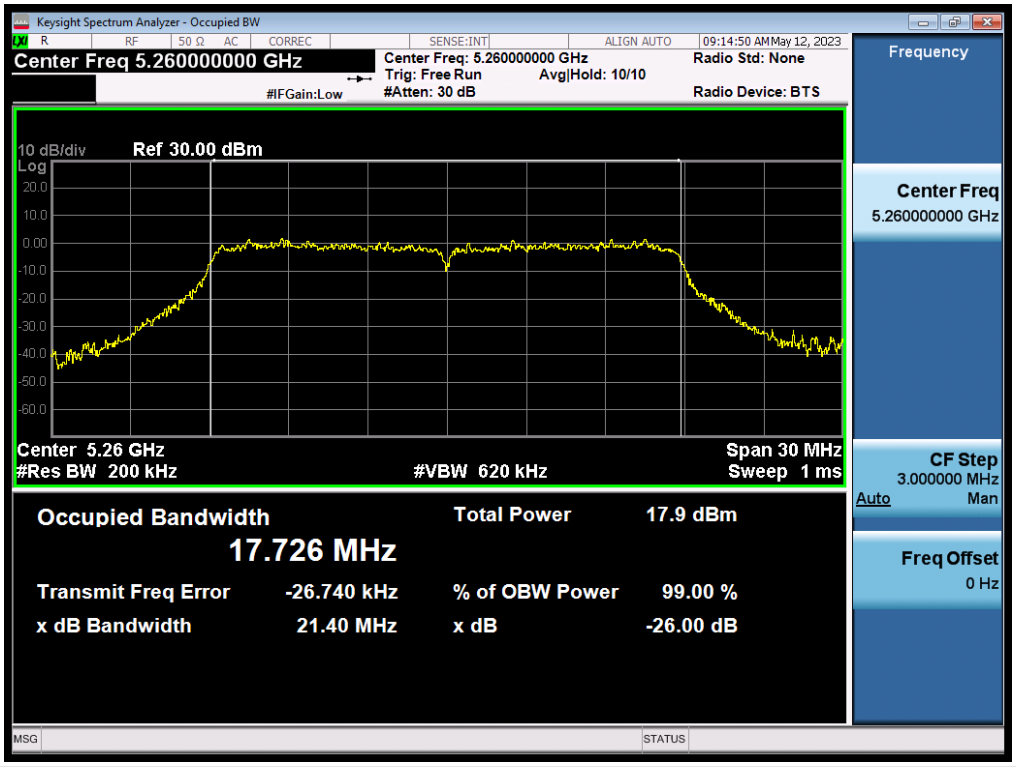


802.11n40_ANT1_5310_MCS0_OBW



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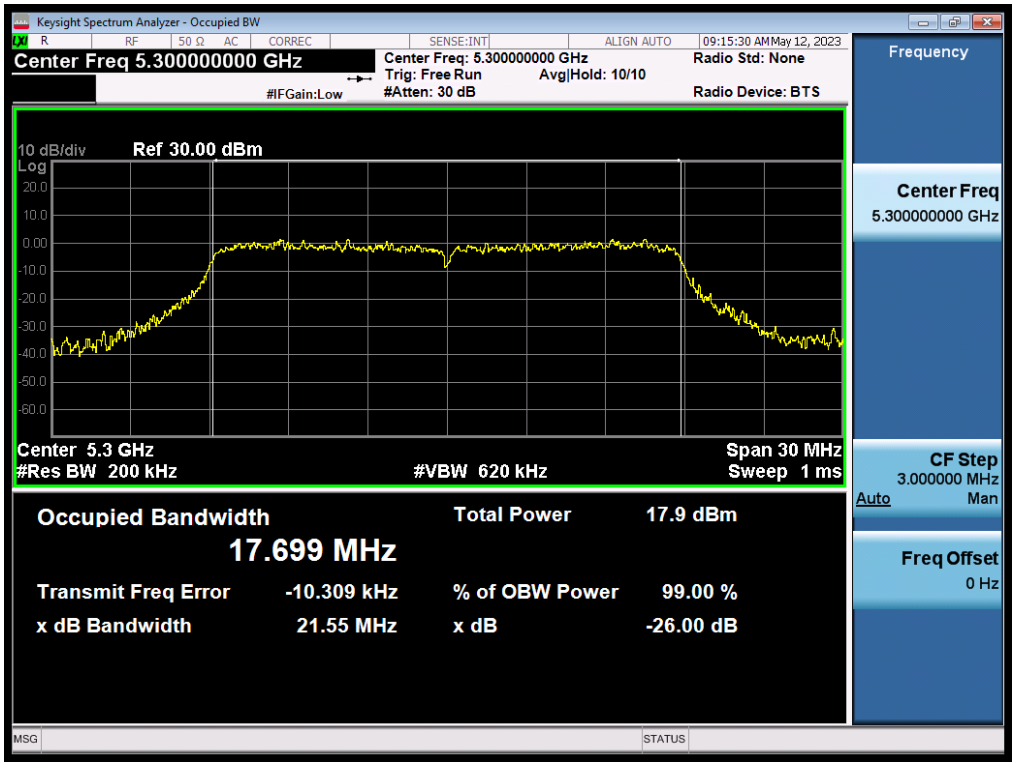

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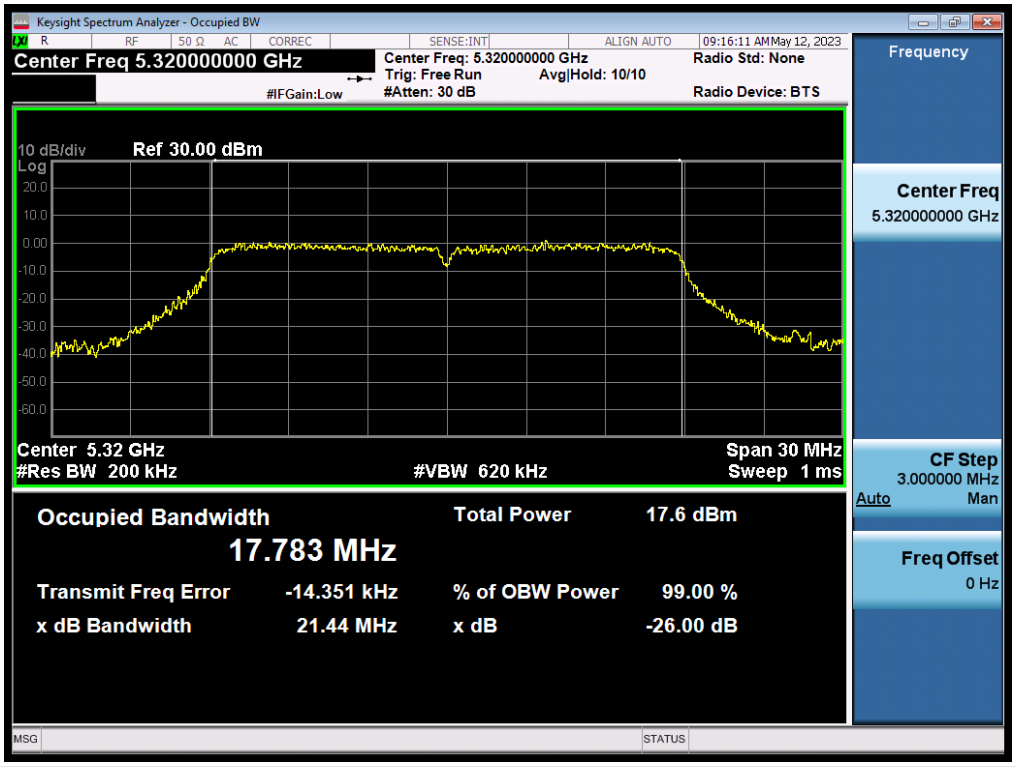

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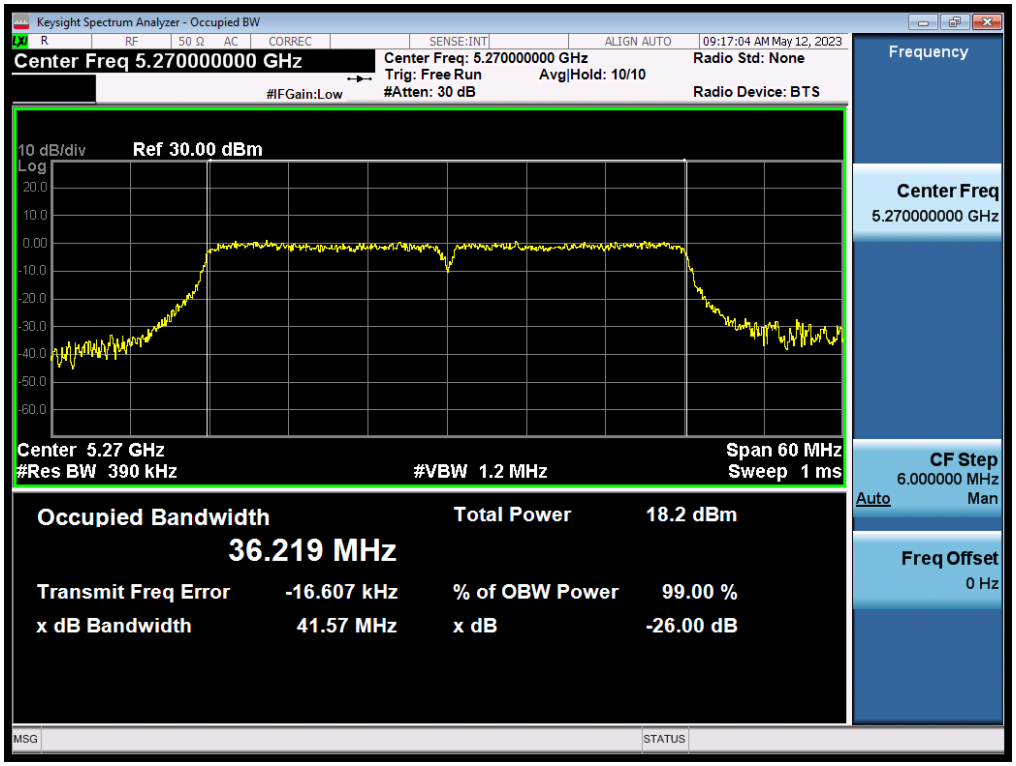

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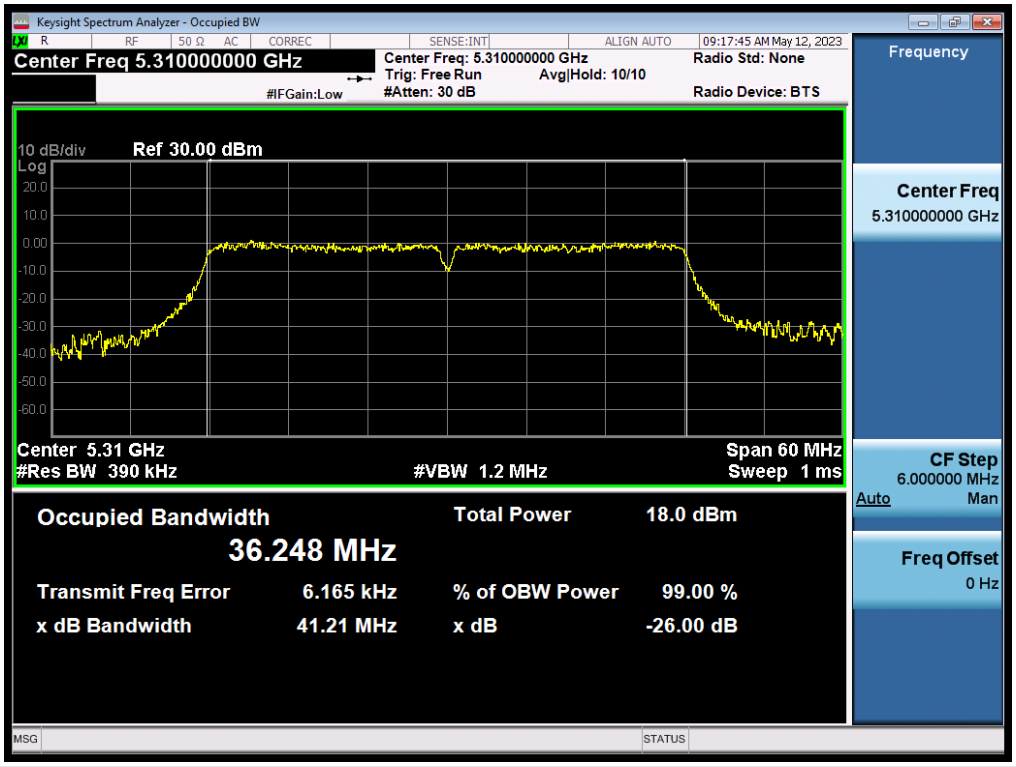

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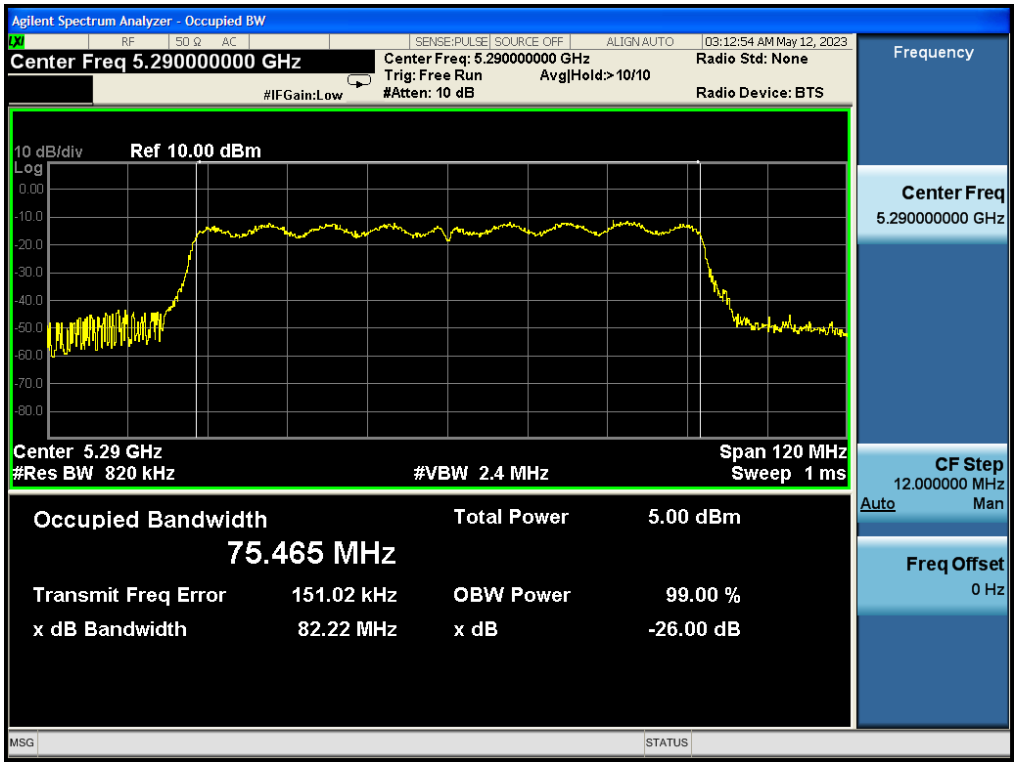
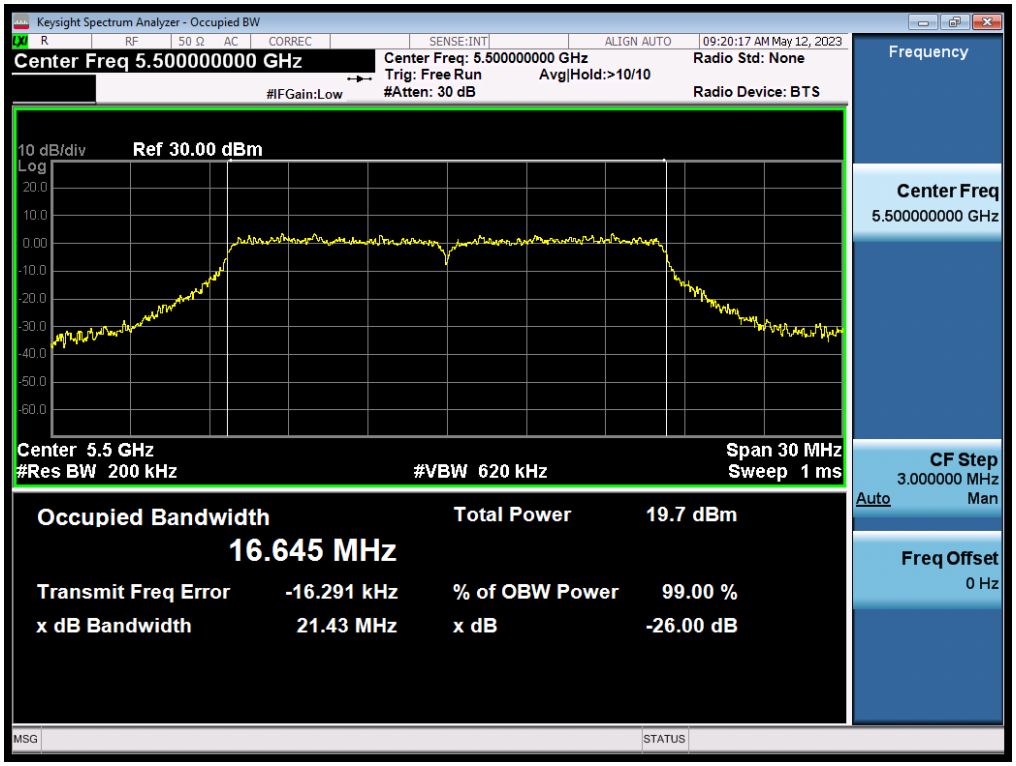
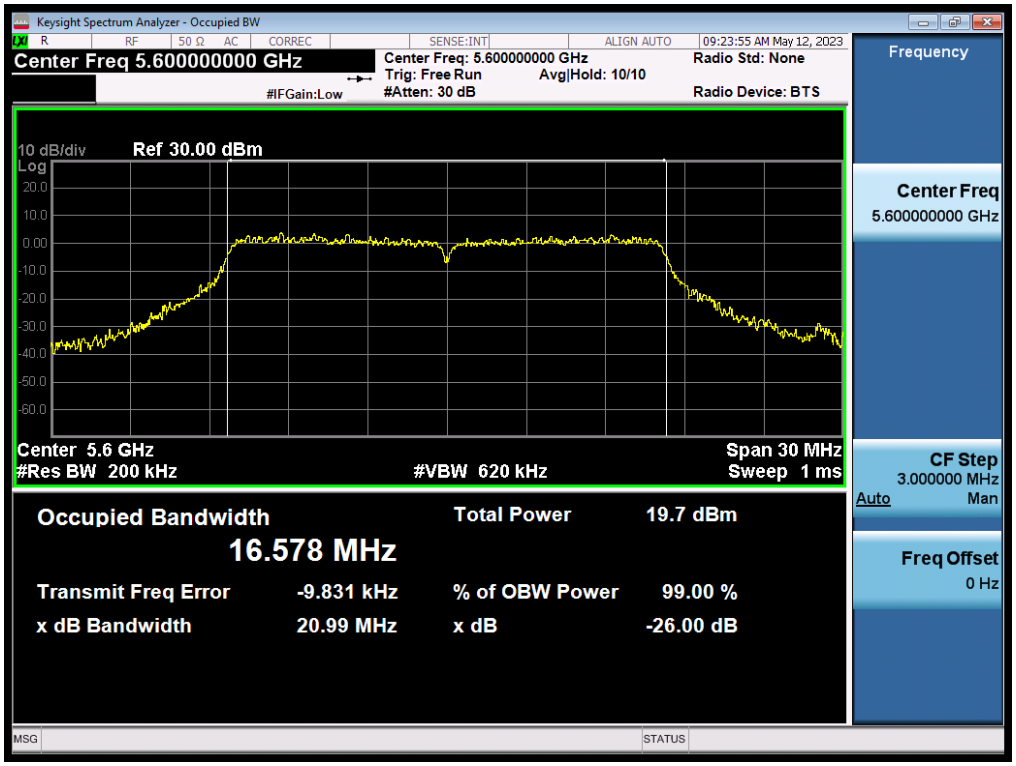


802.11ac80_ANT1_5290_MCS0_OBW

Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.47-5.725 GHz



802.11a_ANT1_5500_6Mbps_OBW



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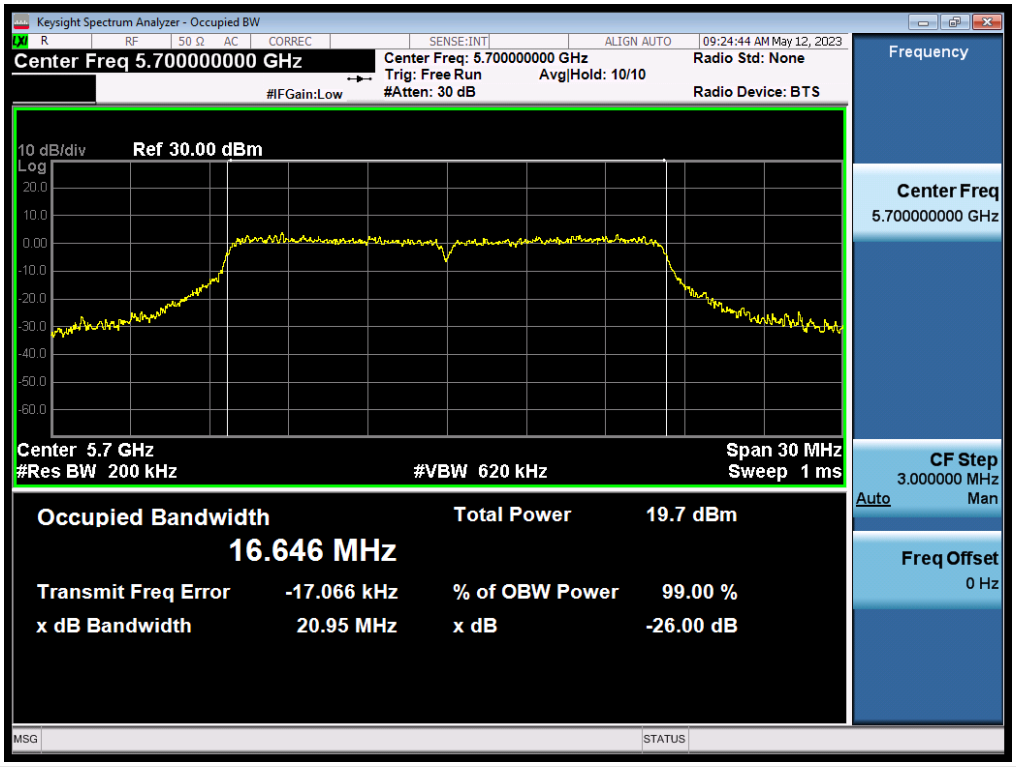

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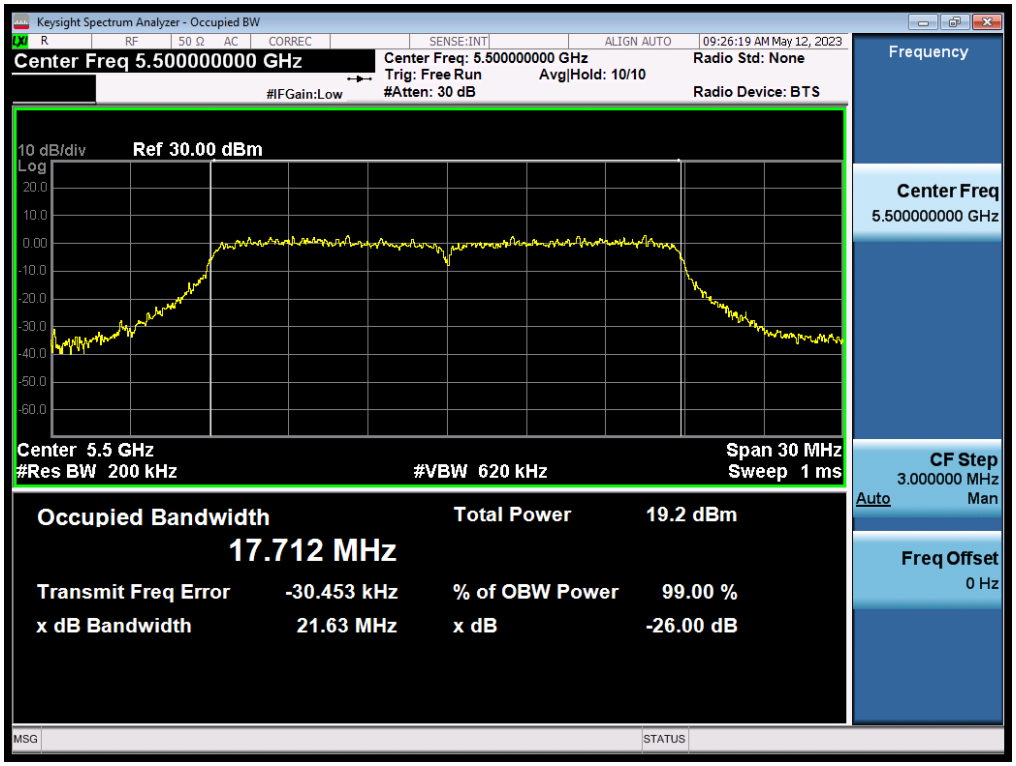

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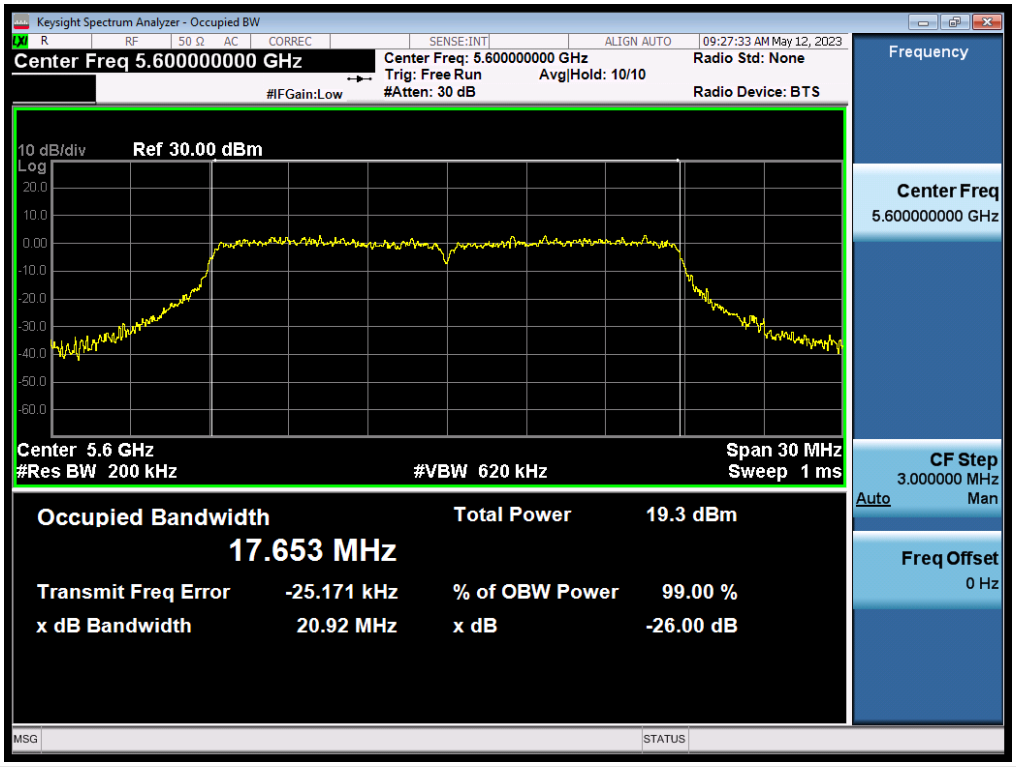

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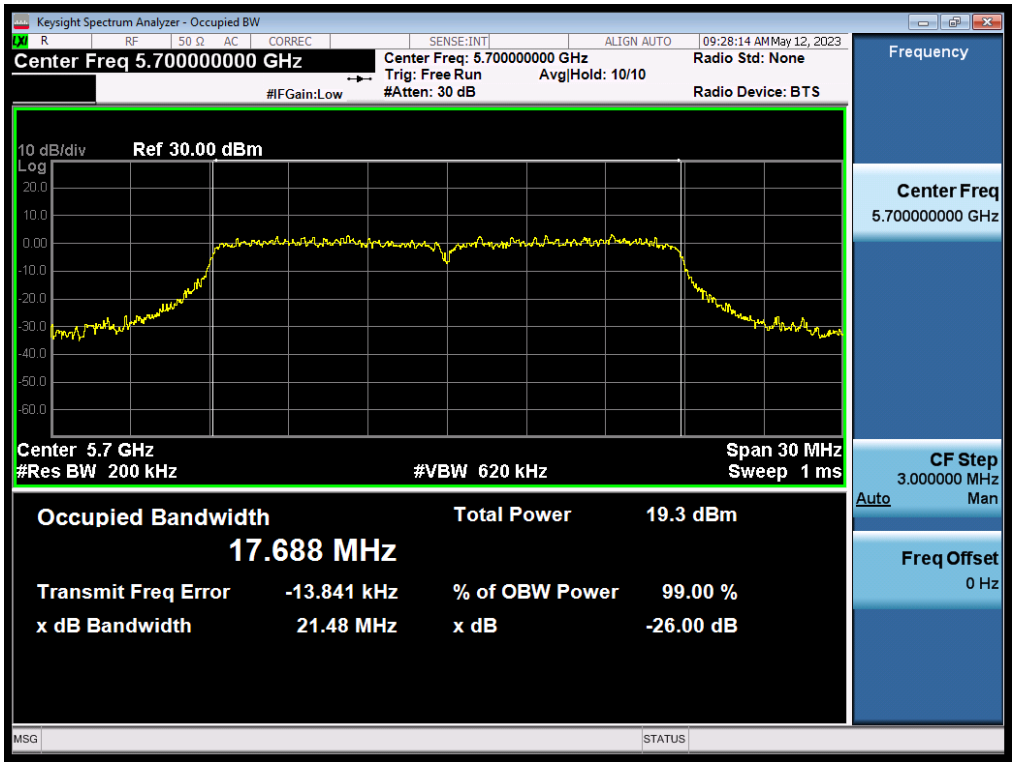

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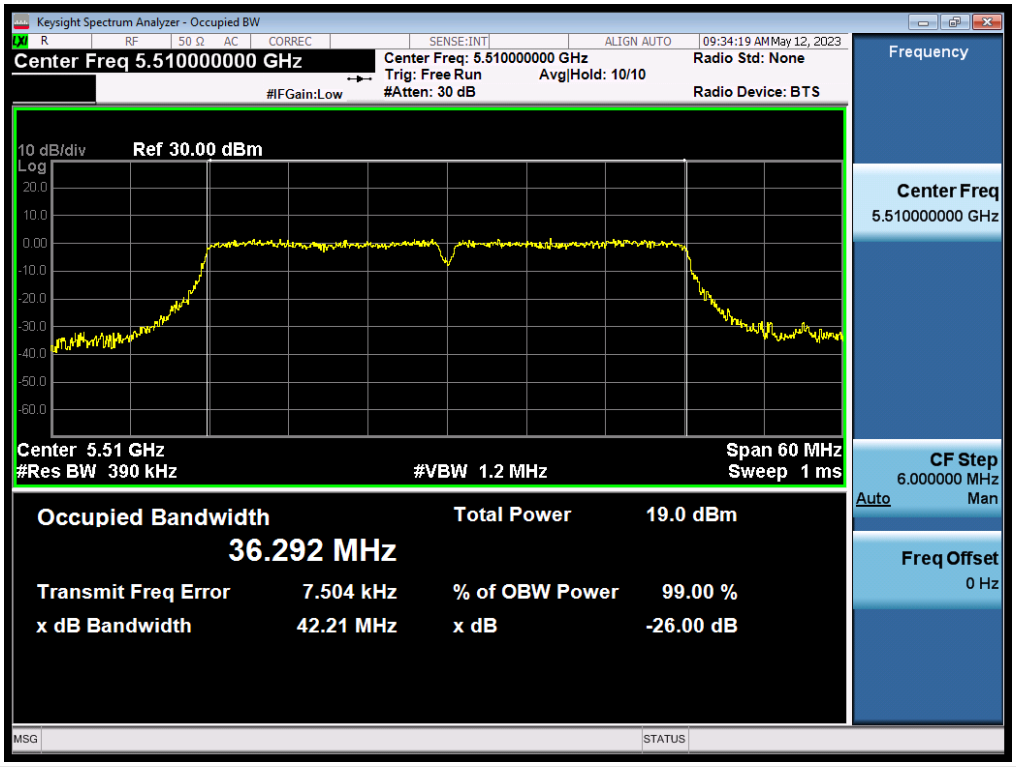

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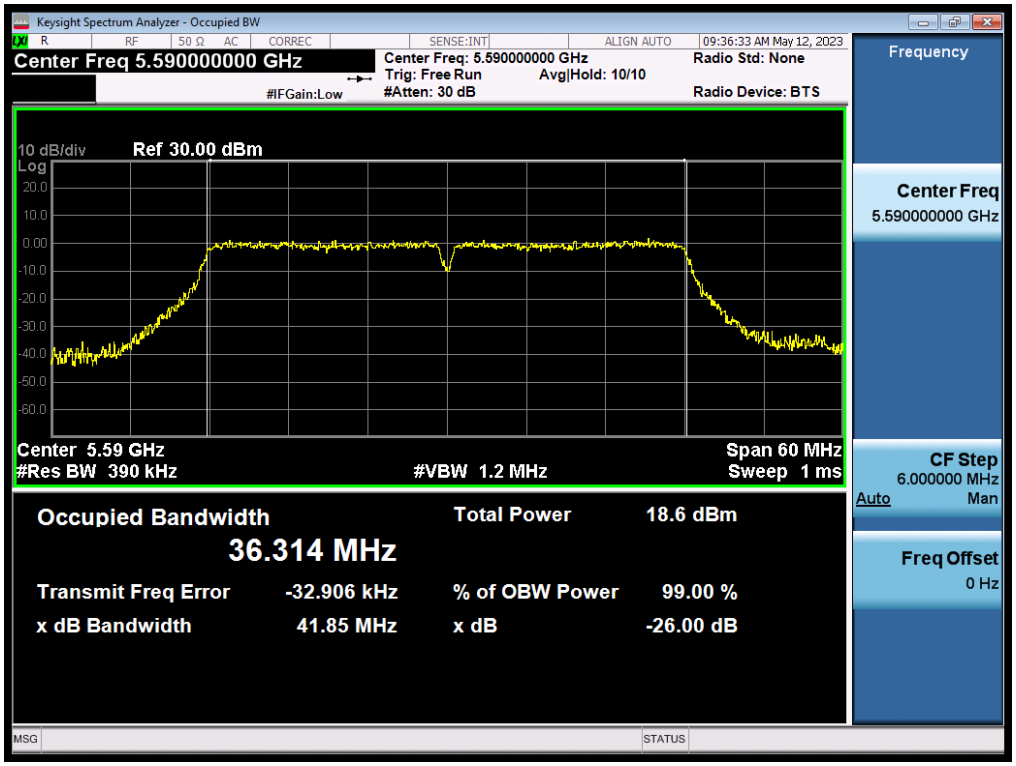

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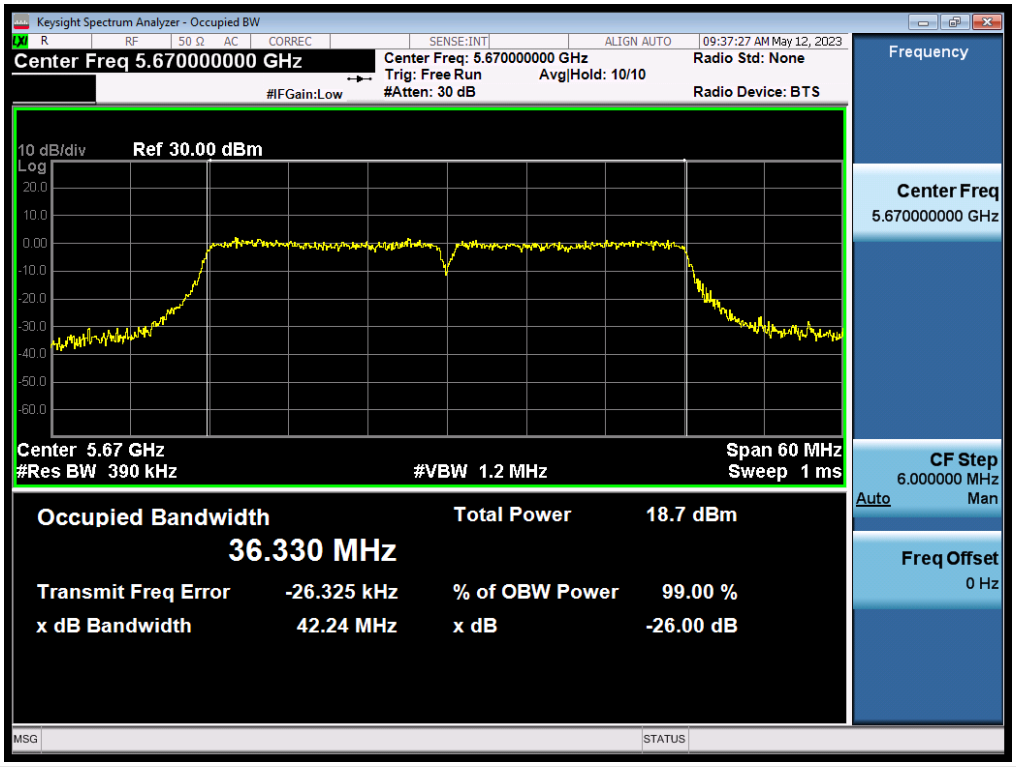

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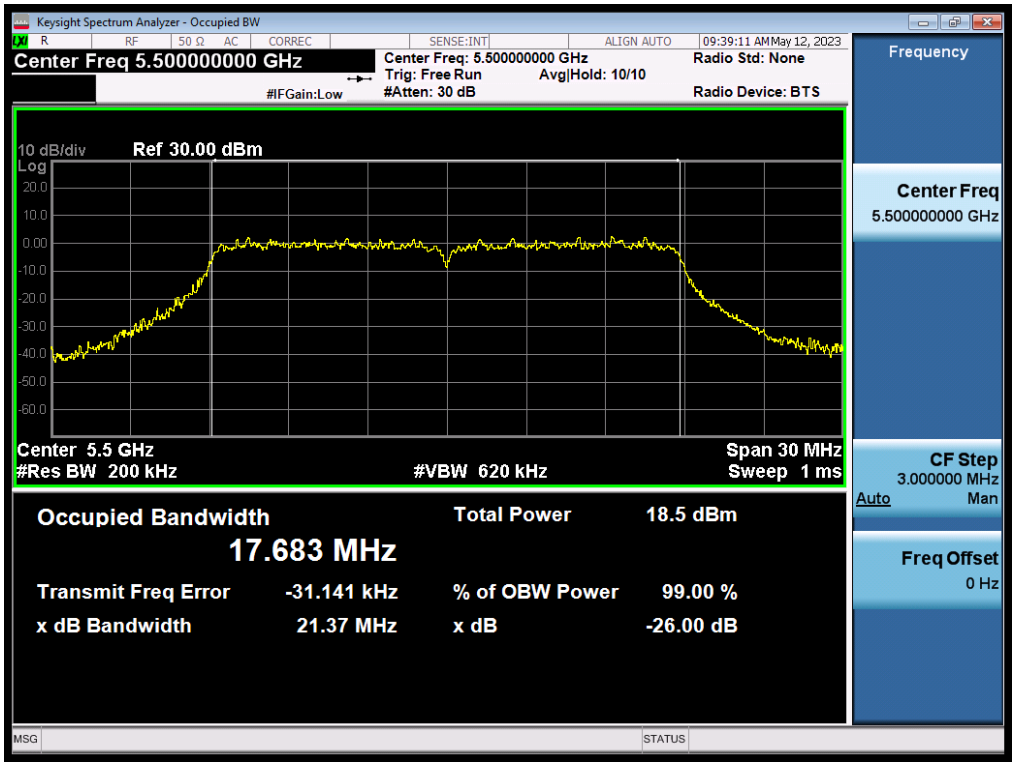

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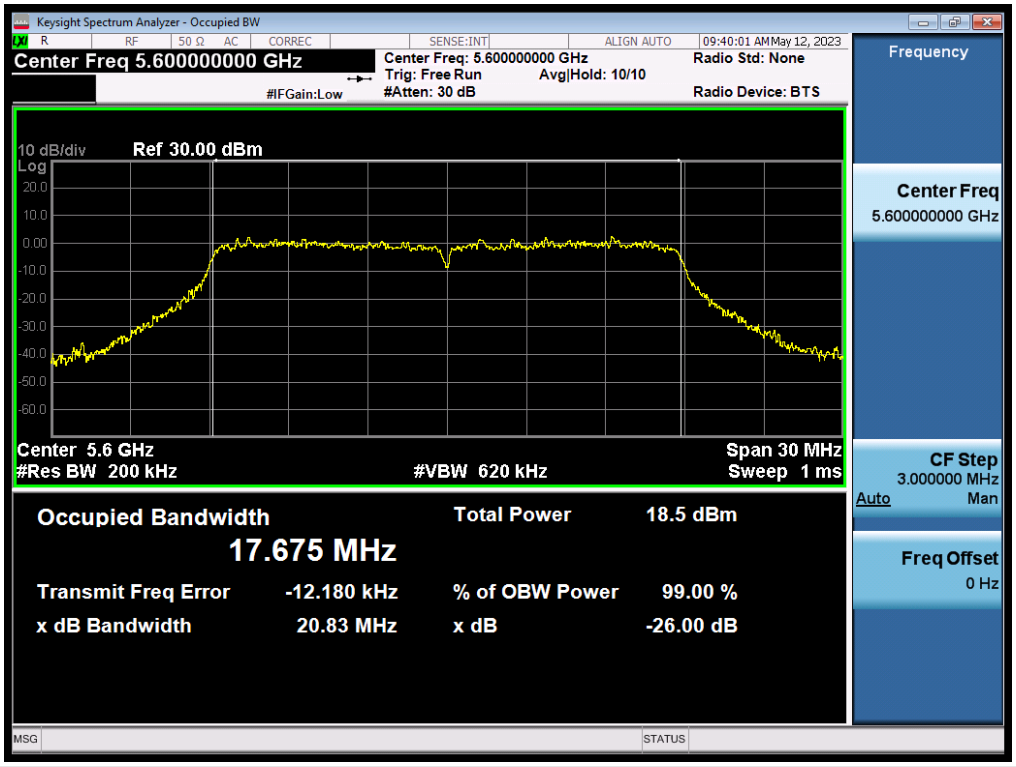

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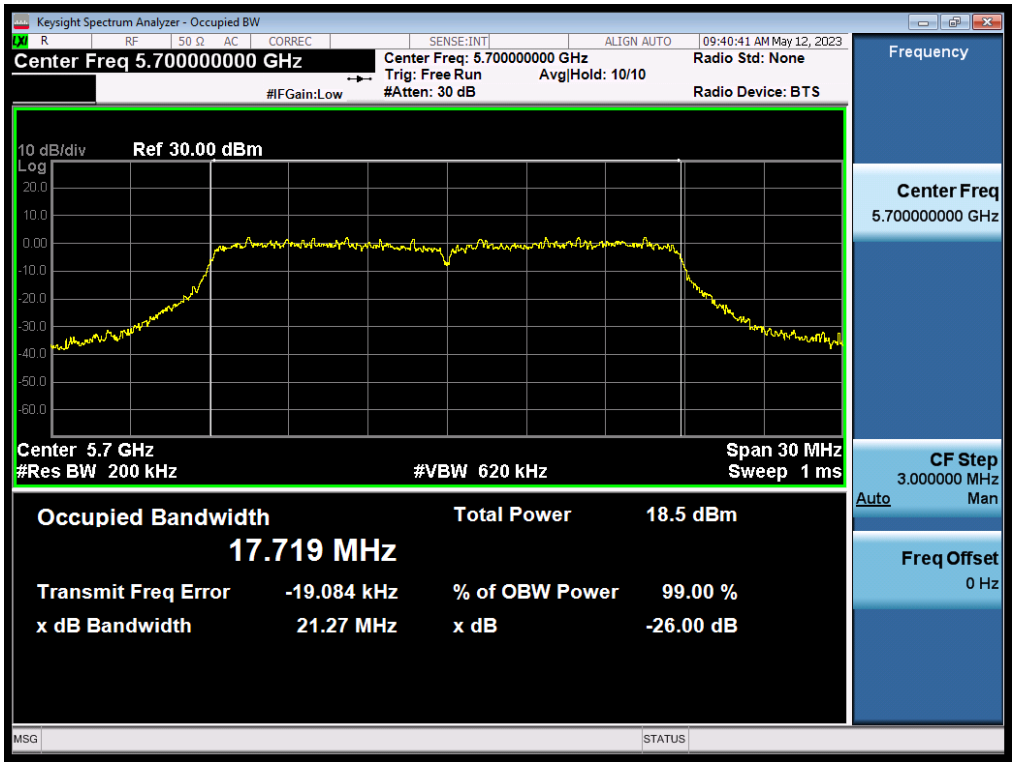

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