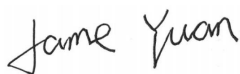




RF MEASUREMENT REPORT

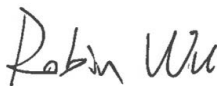
FCC ID: DD4MXWAPX
Applicant: Shure Incorporated
Product: Access Point Transceiver
Regulatory Model Number (RMN): MXWAPX
Product Number: MXWAPX4 Z10, MXWAPX8 Z10
Brand Name:  **SHURE**[®]
FCC Classification: Unlicensed PCS Base Station
FCC Rule Part(s): FCC Part 15, Subpart D
Result: Complies
Receiver Date: 2024-07-02
Test Date: 2024-08-14 ~ 2024-09-10

Reviewed By:



Jame Yuan

Approved By:



Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.17. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2407RSU009-U3	V01	Initial Report	2024-09-14	Valid

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1.1. Applicant

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

Shure Incorporated

5800 West Touhy Avenue, Niles, IL 60714-4608, USA

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
	CNAS: L10551 ISED: CN0001
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
CNAS: L10551 ISED: CN0105	
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261
ISED: TW3261	

1.4. Product Information

Product Name	Access Point Transceiver
Regulatory Model Number (RMN):	MXWAPX
Product Number:	MXWAPX4 Z10, MXWAPX8 Z10
Serial No.	3DF13240539
DECT Specification	1920 MHz – 1930 MHz
Bluetooth Specification	v5.3 single mode, BLE only
Power Supply	PoE Input (37 - 57VDC, 12.95W)
Note 1: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. Note 2: PoE Switch is not sold with product. Note 3: MXWAPX4 supports 4 channel wireless microphones, MXWAPX8 supports 8 channel wireless microphones, they have same hardware with different software. Note 4: All tests were evaluated with MXWAPX8.	

1.5. Radio Specification under Test

Frequency Range	1921.536 ~ 1928.448MHz	
Channel Number	5	
Type of Modulation	GFSK	
Antenna Type	PIFA	
Radio A Antenna Gain	Antenna E4003: 4.28dBi	Antenna E4004: 3.13dBi
Radio B Antenna Gain	Antenna E5003: 3.41dBi	Antenna E5004: 4.32dBi
Note 1: For each radio, only one antenna works at a time. Note 2: For radio A and radio B, the product can work simultaneously, but can't work on the same channel. Note 3: For work simultaneously, we only test the power to calculate the total power, all other items don't test due to the power is lower.		

1.6. Working Frequencies

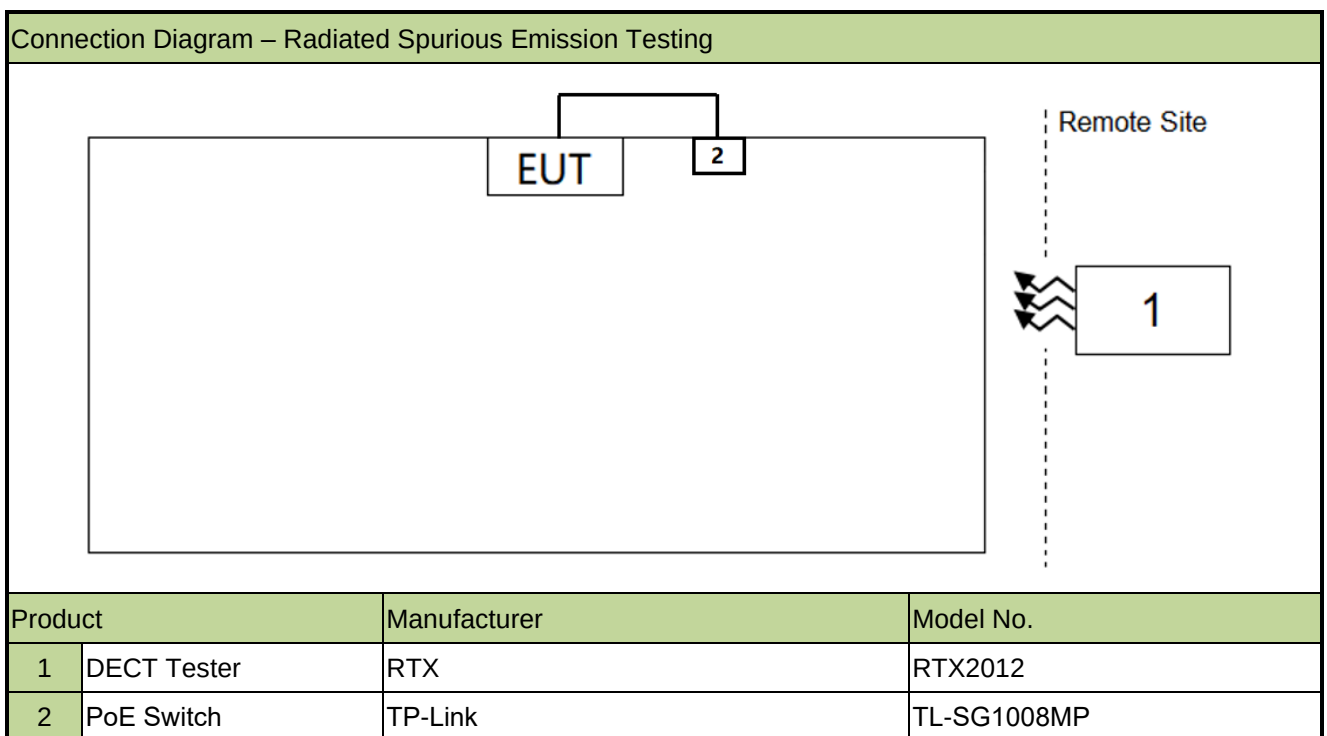
UPCS Channel	Frequency (MHz)
Highest Band Edge	1930.000
0 (Highest)	1928.448
1	1926.720
2	1924.992
3	1923.264
4 (Lowest)	1921.536
Lowest Band Edge	1920.000

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit at DECT channel by radio A antenna E4003
Mode 2: Transmit at DECT channel by radio A antenna E4004
Mode 3: Transmit at DECT channel by radio B antenna E5003
Mode 4: Transmit at DECT channel by radio B antenna E5004
Mode 5: Transmit at channel 02 by radio A antenna E4004 & channel 04 by radio B antenna E5003

2.2. Test System Connection Diagram



2.3. Applied Standards

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

- FCC Part 15D
- ANSI C63.17-2013

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the unit is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2025-05-12	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06558	1 year	2025-05-20	WZ-SR5
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2025-04-17	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2024-10-11	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2025-05-06	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2025-04-18	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2024-11-04	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2025-01-11	WZ-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06987	1 year	2024-09-07	WZ-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06987	1 year	2025-09-06	WZ-AC2
Active Loop Antenna	Schwarzbeck	FMZB 1519-60 D	MRTSUE07076	1 year	2024-12-04	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2024-11-07	WZ-AC2
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2025-05-12	WZ-SR2
Current Probe	FCC	F-52	MRTSUE06494	1 year	2025-04-10	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2025-09-05	WZ-SR2

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	1.02	RE Antenna & turntable
RTX2012	V 2.08.17	DECT

5. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.58dB 150kHz~30MHz: 3.20dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Coaxial: 9kHz~30MHz: 2.61dB Coplanar: 9kHz~30MHz: 2.62dB Horizontal: 30MHz~200MHz: 3.79dB 200MHz~1GHz: 3.91dB 1GHz~40GHz: 4.99dB Vertical: 30MHz~200MHz: 4.06dB 200MHz~1GHz: 5.21dB 1GHz~40GHz: 4.90dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.2dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.4dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.2dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.7%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.319(b)	Digital Modulation Techniques	Declared	Pass
15.19(a)(3)	Labeling requirements		Pass
15.319(f)	Automatic discontinuation of transmission	Conducted	Pass
15.317, 15.203	Antenna Requirement	Declared	Pass
15.315	AC Power Line Conducted Emission	Line Conducted	Pass
15.323(a)	Emission Bandwidth	Conducted	Pass
15.319(c)	Peak Transmit Power		Pass
15.319(d)	Power Spectral Density		Pass
15.323(d)	In-band emissions		Pass
15.323(d)	Out-of-band emissions	Conducted and Radiated	Pass
15.323(e)	Frame Repetition Stability and period and Jitter	Conducted	Pass
15.323(f)	Carrier frequency stability		Pass
15.323(c1, c2, c3, c4)	Listen Before Transmit (LBT)		Pass
15.323(c5)	Least Interfered Channel (LIC)		Pass
15.323(c6)	Random Waiting		N/A
15.323(c7)	Monitoring Requirements		Pass
15.323(c8)	Monitoring Antenna	Declared	Pass
15.323(c9)	Monitoring Threshold Relaxation	Conducted	N/A
15.323(c10)	Duplex System LBT		N/A
15.323(c11)	Co-Located Device LBT		N/A
15.323(c12)	Fair Access	Declared	N/A
Remark: "N/A" means that this item is not applicable, and the detail information refer to relevant section.			

6.2.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

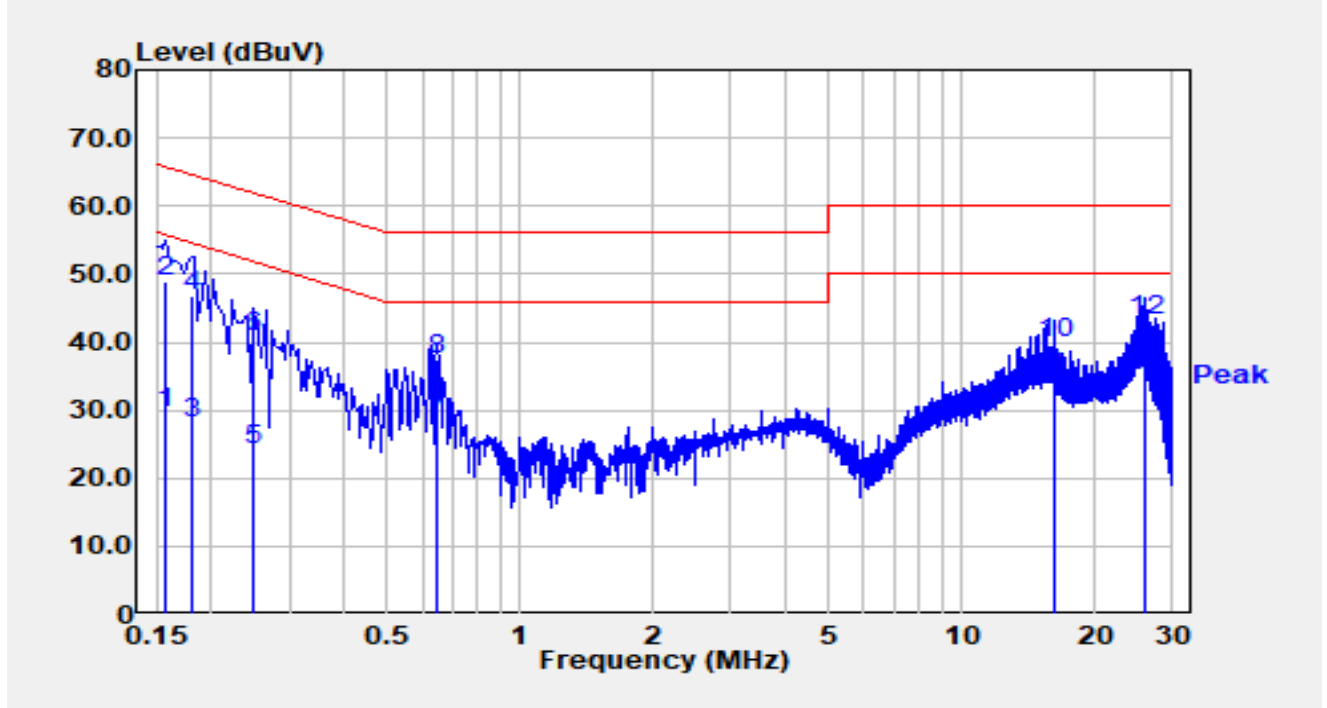
Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

The diagram illustrates the test setup for the EUT and Test Receiver. The EUT is placed on a non-conductive table, and the Test Receiver is placed on a separate table. A vertical ground reference plane is indicated, and the distance from the EUT to the ground plane is 0.8 m. The distance from the Test Receiver to the ground plane is 0.4 m. The AMN is bonded to the horizontal ground plane. The diagram shows the EUT, Test Receiver, and AMN connected to the ground plane.

6.2.3. Test Result

Site	WZ-SR2	Test Date	2024-09-09
Test Engineer	Linda Wei	Temp./Humidity	23.2°C/60.1%
Factor	ENV216_101683_L1_Filter Off_E	Polarity	Line1
EUT	Access Point Transceiver	Test Voltage	AC 120V/60Hz
Test Mode	Test Mode 1		

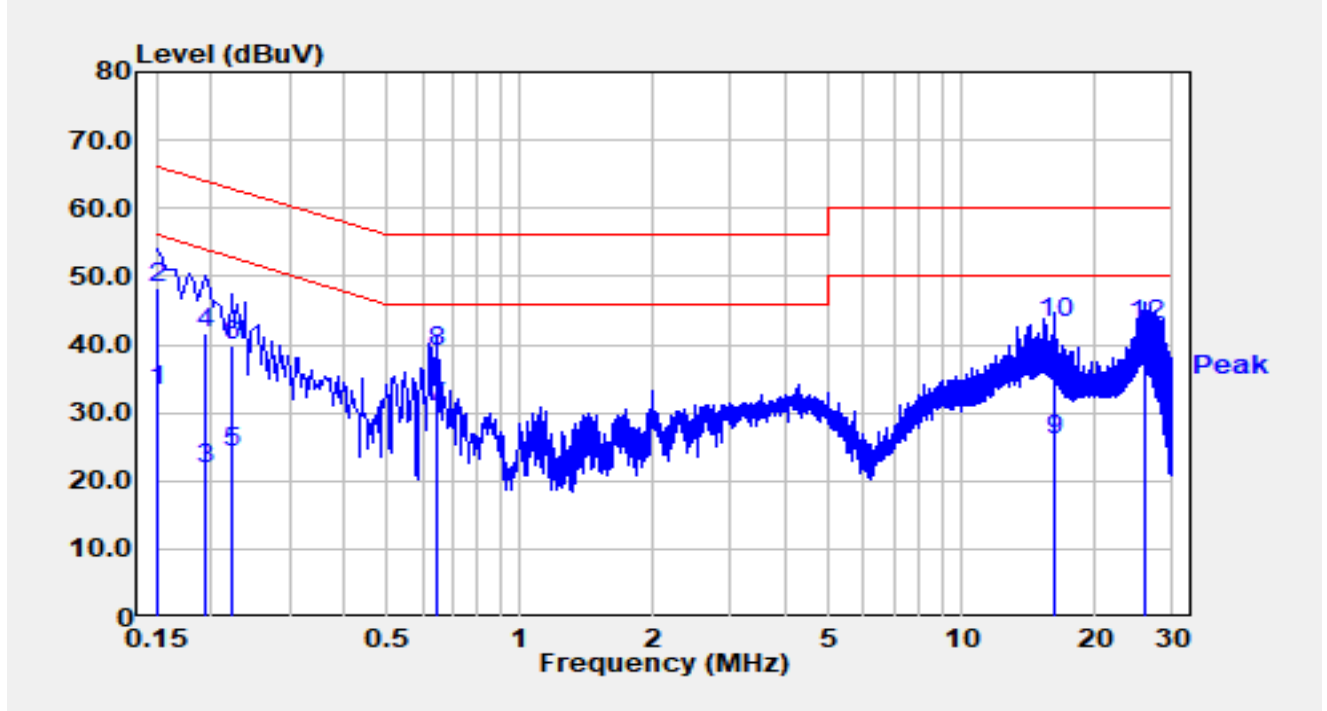


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV)	Margin (dB)	Limit (dBUV)	Detector
1		0.157	19.70	9.78	29.48	-26.14	55.62	Average
2		0.157	39.00	9.78	48.78	-16.84	65.62	QP
3		0.181	18.30	9.78	28.08	-26.36	54.44	Average
4		0.181	37.10	9.78	46.88	-17.56	64.44	QP
5		0.249	14.40	9.81	24.21	-27.58	51.79	Average
6		0.249	31.00	9.81	40.81	-20.98	61.79	QP
7		0.645	18.80	10.00	28.80	-17.20	46.00	Average
8		0.645	27.30	10.00	37.30	-18.70	56.00	QP
9		16.230	23.70	11.29	34.99	-15.01	50.00	Average
10		16.230	28.60	11.29	39.89	-20.11	60.00	QP
11	*	26.000	23.60	11.48	35.08	-14.92	50.00	Average
12		26.000	31.80	11.48	43.28	-16.72	60.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Site	WZ-SR2	Test Date	2024-09-09
Test Engineer	Linda Wei	Temp./Humidity	23.2°C/60.1%
Factor	ENV216_101683_N_Filter Off_E	Polarity	Neutral
EUT	Access Point Transceiver	Test Voltage	AC 120V/60Hz
Test Mode	Test Mode 1		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	23.60	9.75	33.35	-22.65	56.00	Average
2		0.150	38.70	9.75	48.45	-17.55	66.00	QP
3		0.193	12.10	9.77	21.87	-32.03	53.91	Average
4		0.193	31.80	9.77	41.57	-22.33	63.91	QP
5		0.221	14.30	9.78	24.08	-28.70	52.78	Average
6		0.221	30.20	9.78	39.98	-22.80	62.78	QP
7		0.645	20.90	9.99	30.89	-15.11	46.00	Average
8		0.645	28.90	9.99	38.89	-17.11	56.00	QP
9		16.160	14.70	11.35	26.05	-23.95	50.00	Average
10		16.160	31.90	11.35	43.25	-16.75	60.00	QP
11	*	26.000	24.60	11.60	36.20	-13.80	50.00	Average
12		26.000	31.20	11.60	42.80	-17.20	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

6.3. Emission Bandwidth Measurement

6.3.1. Test Limit

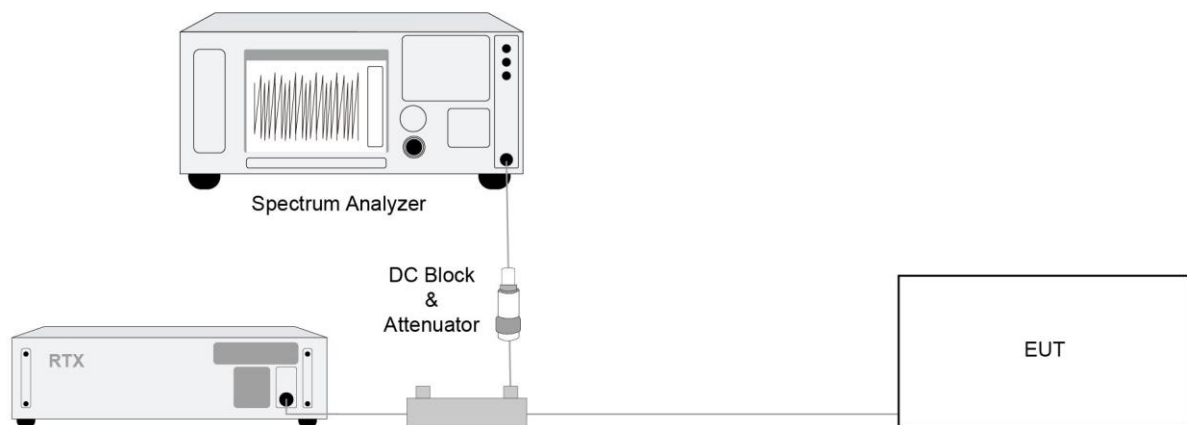
The 26 dB Bandwidth B shall be larger than 50 kHz and less than 2.5MHz.

No requirement for 6 dB and 12 dB Bandwidth. These values are only used for testing Monitoring Bandwidth if the Simple Compliance test fails (ANSI C63.17, clause 7.4).

6.3.2. Test Procedure

ANSI C63.17, Clause 6.1.3

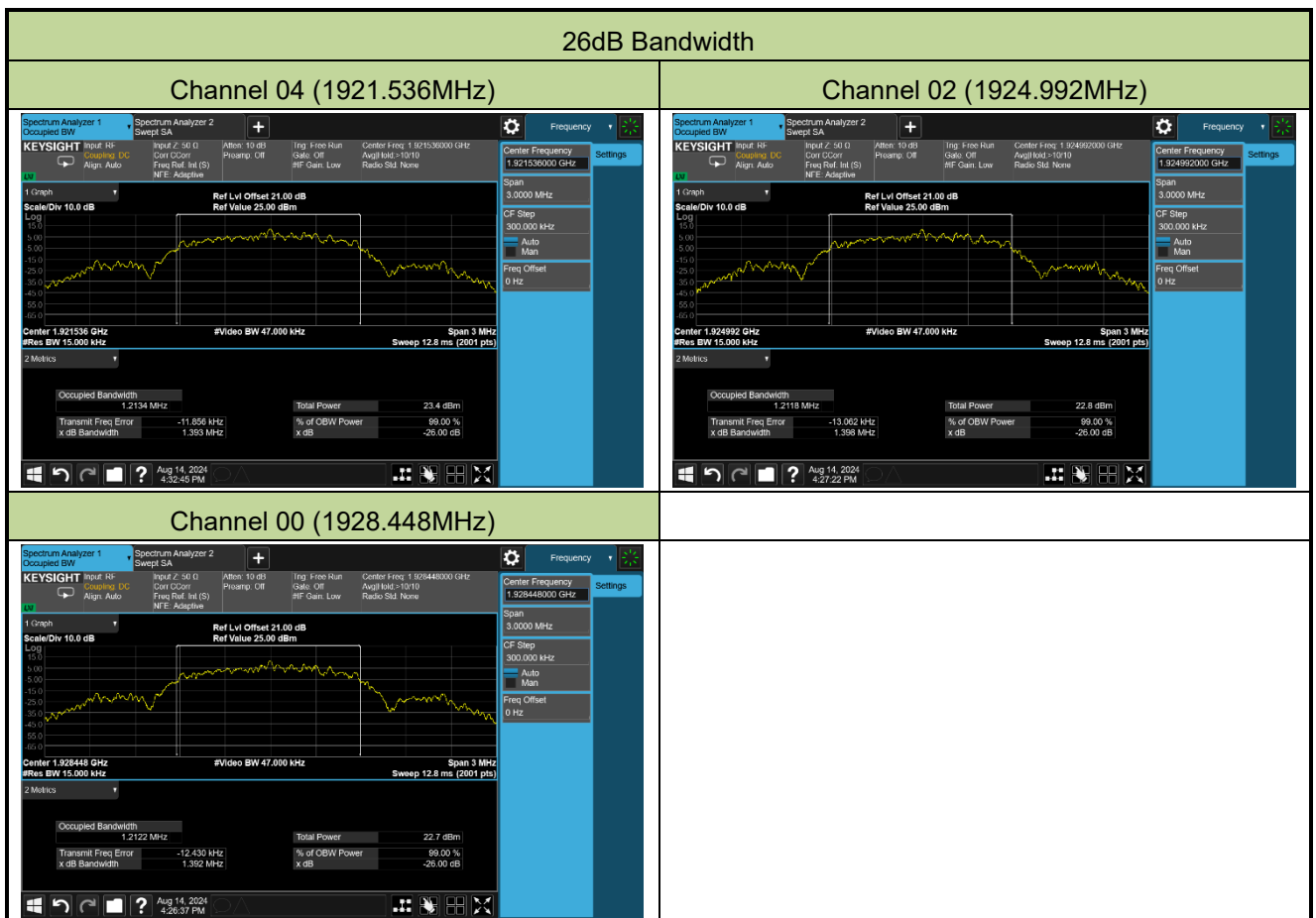
6.3.3. Test Setup



6.3.4. Test Result

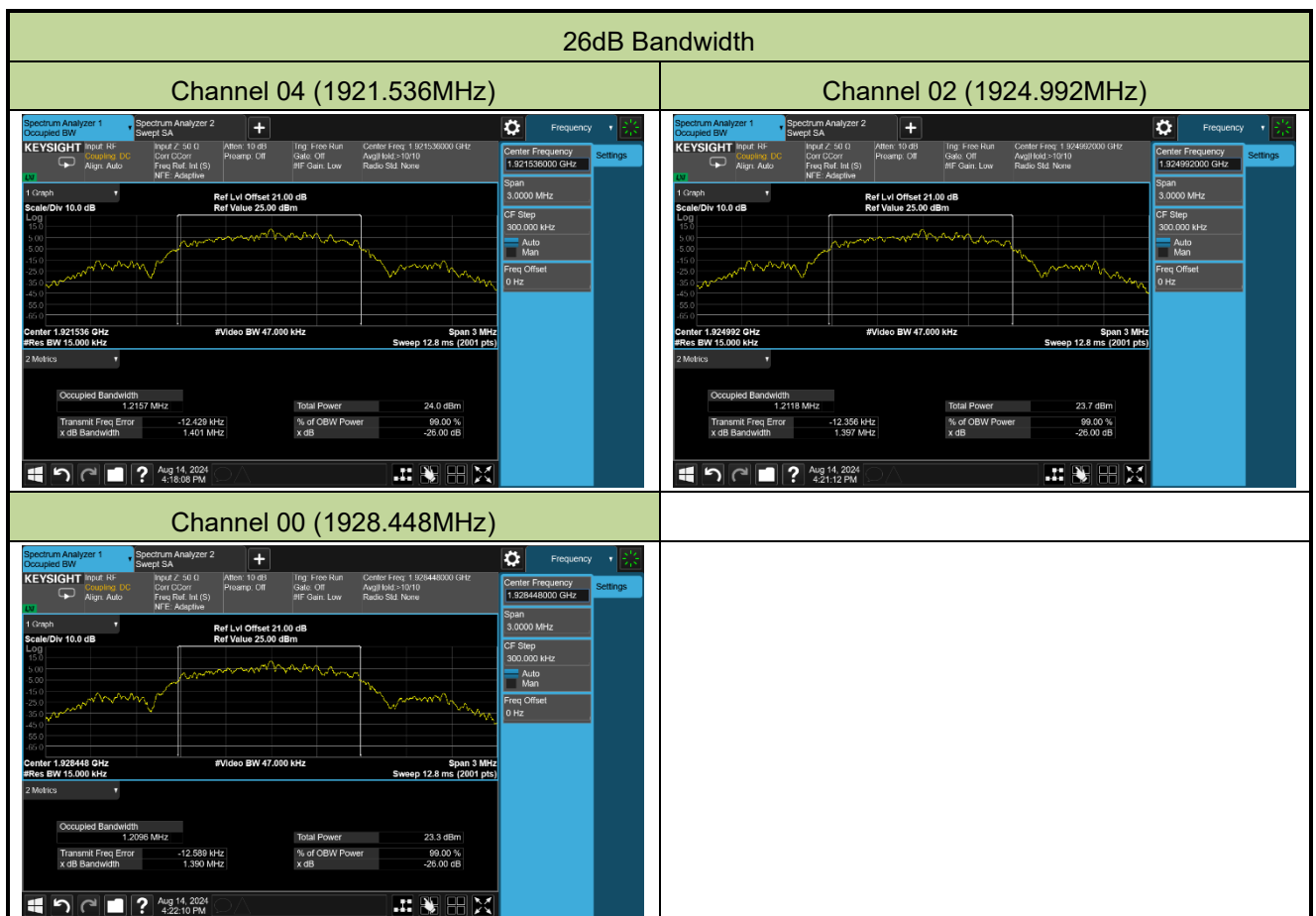
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 1

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
04	1921.536	1.393	0.05 ~ 2.5	Pass
02	1924.992	1.398	0.05 ~ 2.5	Pass
00	1928.448	1.392	0.05 ~ 2.5	Pass



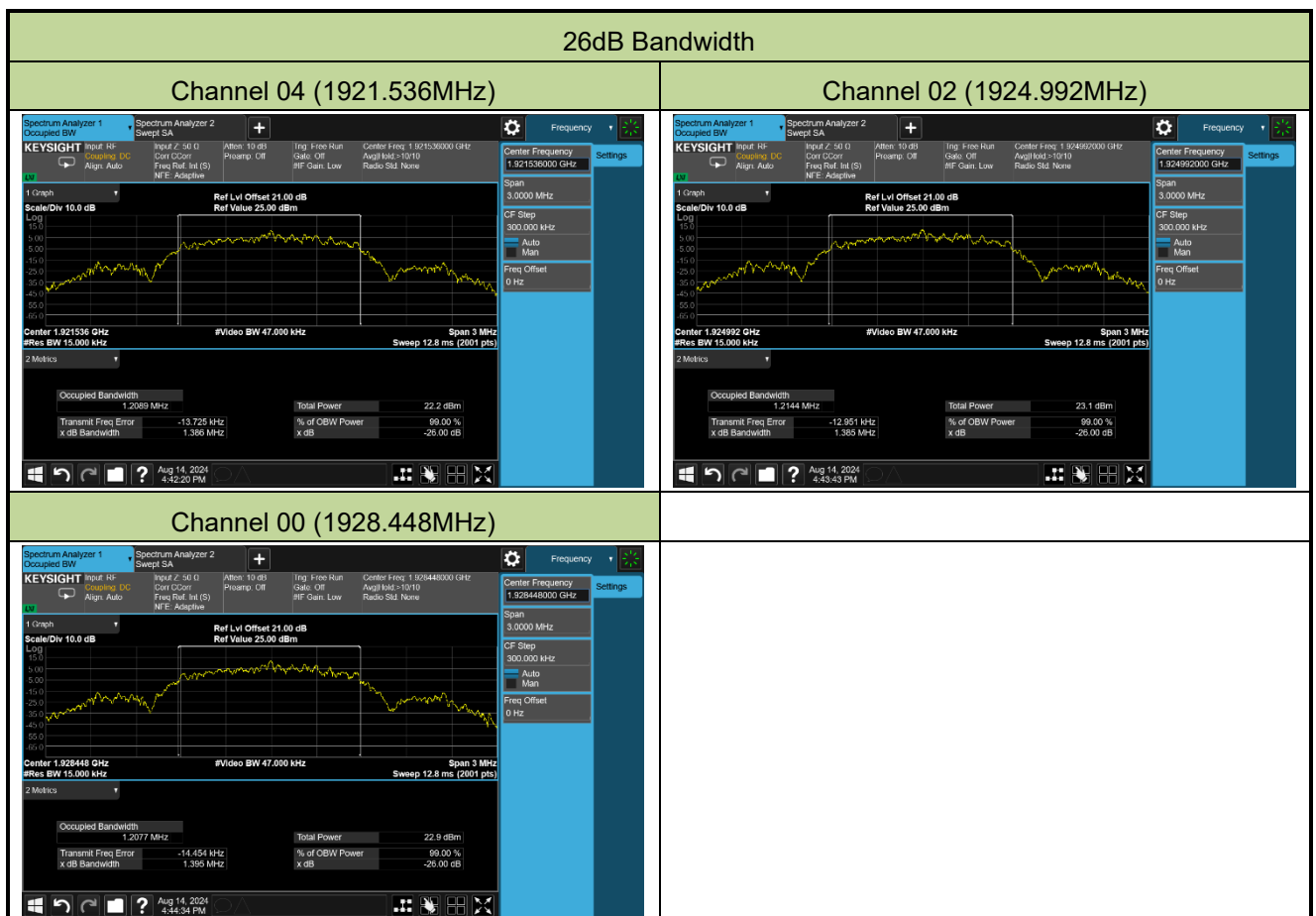
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 2

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
04	1921.536	1.401	0.05 ~ 2.5	Pass
02	1924.992	1.397	0.05 ~ 2.5	Pass
00	1928.448	1.390	0.05 ~ 2.5	Pass



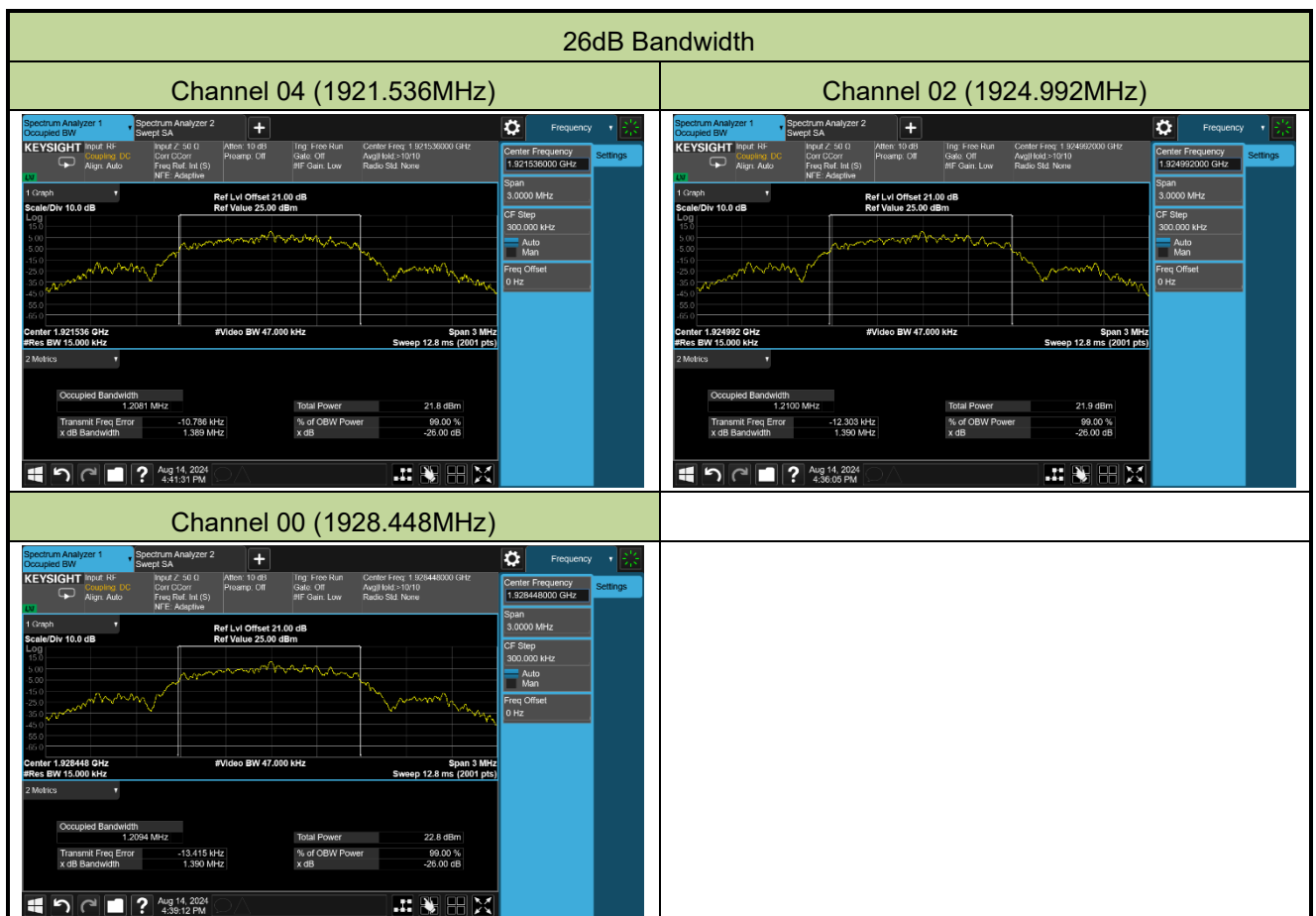
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 3

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
04	1921.536	1.386	0.05 ~ 2.5	Pass
02	1924.992	1.385	0.05 ~ 2.5	Pass
00	1928.448	1.395	0.05 ~ 2.5	Pass



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 4

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
04	1921.536	1.389	0.05 ~ 2.5	Pass
02	1924.992	1.390	0.05 ~ 2.5	Pass
00	1928.448	1.390	0.05 ~ 2.5	Pass



6.4. Peak Transmit Power and Antenna Gain

6.4.1. Test Limit

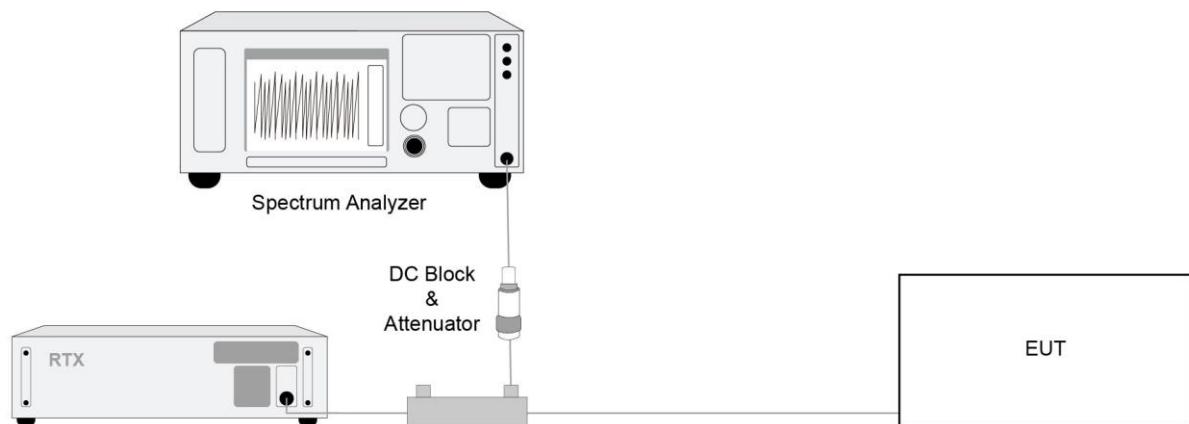
Peak transmit power shall not exceed 100 microwatts multiplied by the square root of the emission bandwidth in Hertz.

The peak transmit power shall be reduced by the amount in decibels that the maximum directional gain of the antenna exceeds 3dBi.

6.4.2. Test Procedure

ANSI C63.17, Clause 6.1.2

6.4.3. Test Setup



6.4.4. Test Result

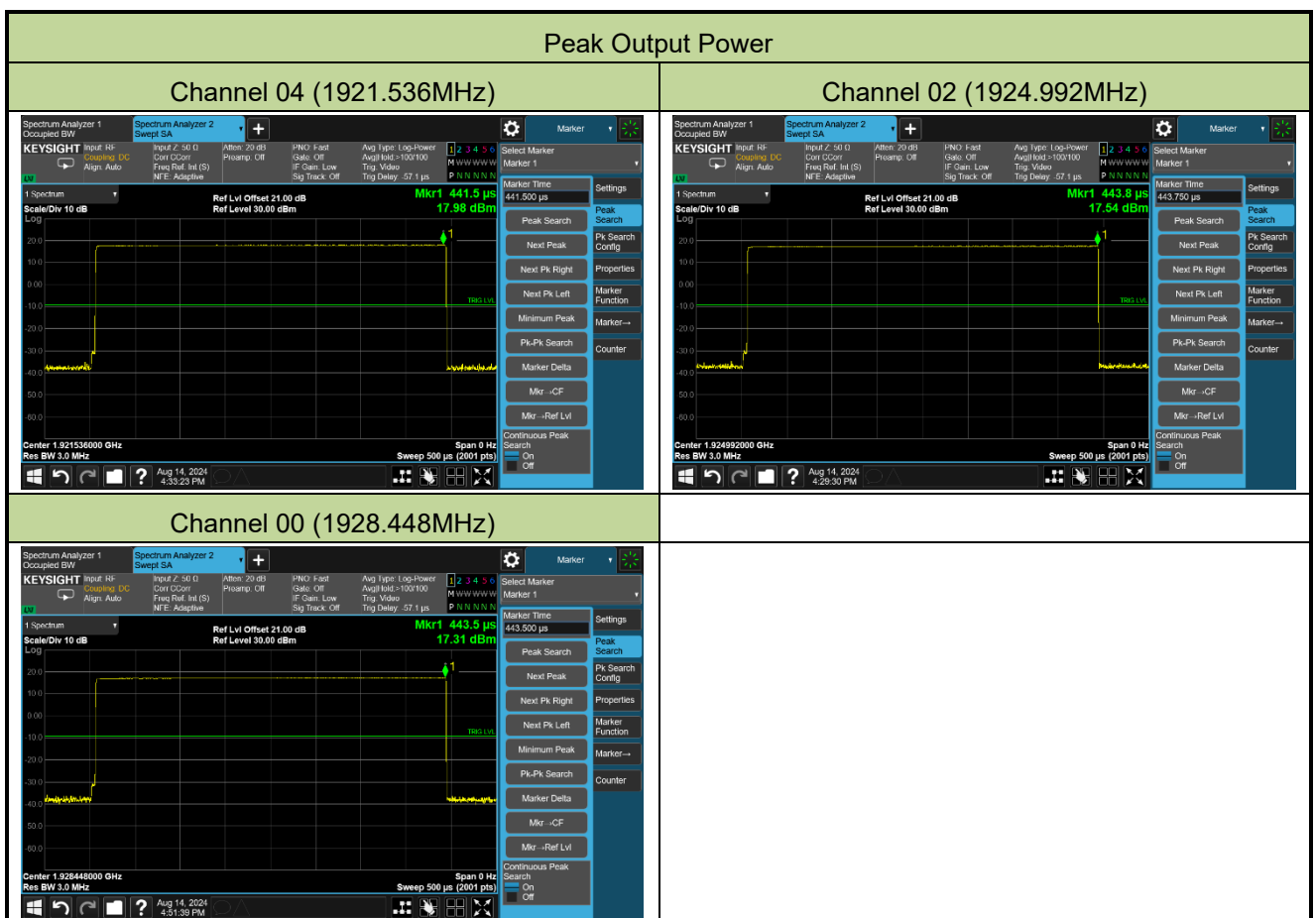
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 1

Channel No.	Frequency (MHz)	Peak Transmit Power (dBm)	Limit (dBm)	Result
04	1921.536	17.98	≤ 19.44	Pass
02	1924.992	17.54	≤ 19.44	Pass
00	1928.448	17.31	≤ 19.44	Pass

Note 1: The min EBW = 1392000Hz

Limit = $10 \cdot \log(100\mu\text{W} \times (\text{EBW})^{1/2} \div 1000) - (\text{Antenna Gain} - 3) = 19.44\text{dBm}$.

Note 2: Antenna Gain = 4.28dBi > 3dBi



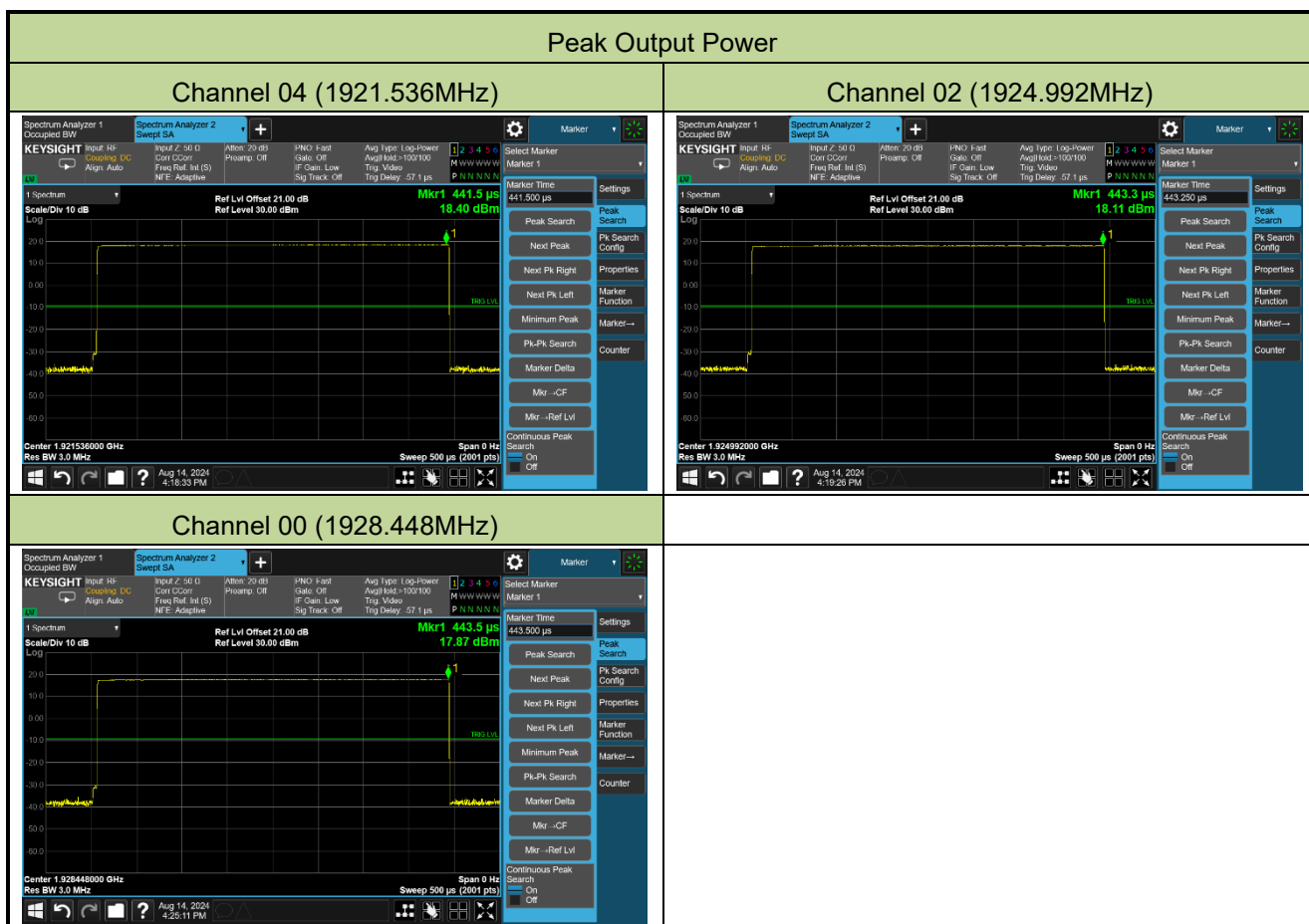
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 2

Channel No.	Frequency (MHz)	Peak Transmit Power (dBm)	Limit (dBm)	Result
04	1921.536	18.40	≤ 20.59	Pass
02	1924.992	18.11	≤ 20.59	Pass
00	1928.448	17.87	≤ 20.59	Pass

Note 1: The min EBW = 1390000Hz

Limit = $10 \cdot \log(100\mu W \times (EBW)^{1/2} \div 1000) - (\text{Antenna Gain} - 3) = 20.59\text{dBm}$.

Note 2: Antenna Gain = 3.13dBi > 3dBi



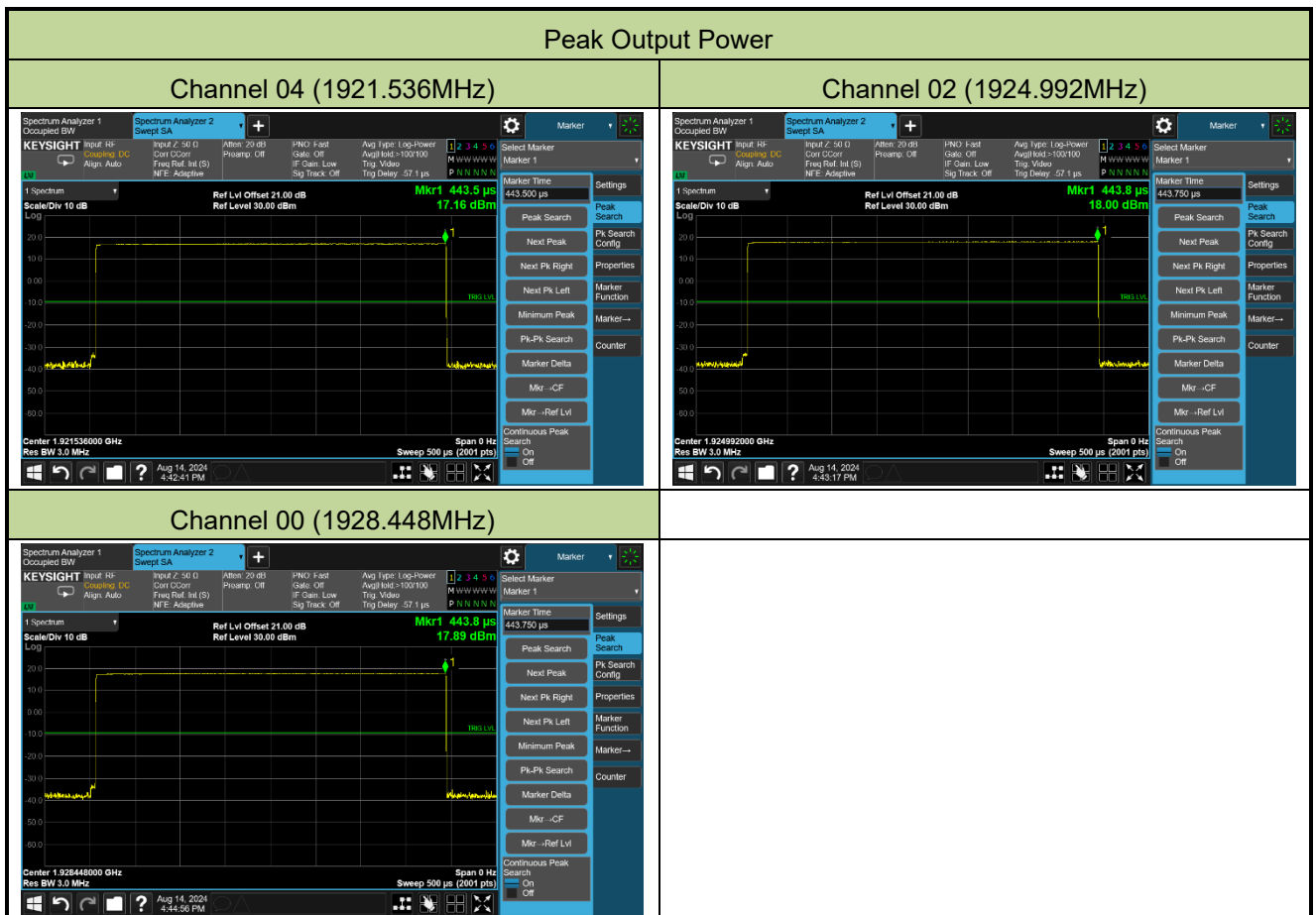
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 3

Channel No.	Frequency (MHz)	Peak Transmit Power (dBm)	Limit (dBm)	Result
04	1921.536	17.16	≤ 20.30	Pass
02	1924.992	18.00	≤ 20.30	Pass
00	1928.448	17.89	≤ 20.30	Pass

Note 1: The min EBW = 1385000Hz

Limit = $10 \cdot \log(100\mu\text{W} \times (\text{EBW})^{1/2} \div 1000) - (\text{Antenna Gain} - 3) = 20.30\text{dBm}$.

Note 2: Antenna Gain = 3.41dBi > 3dBi



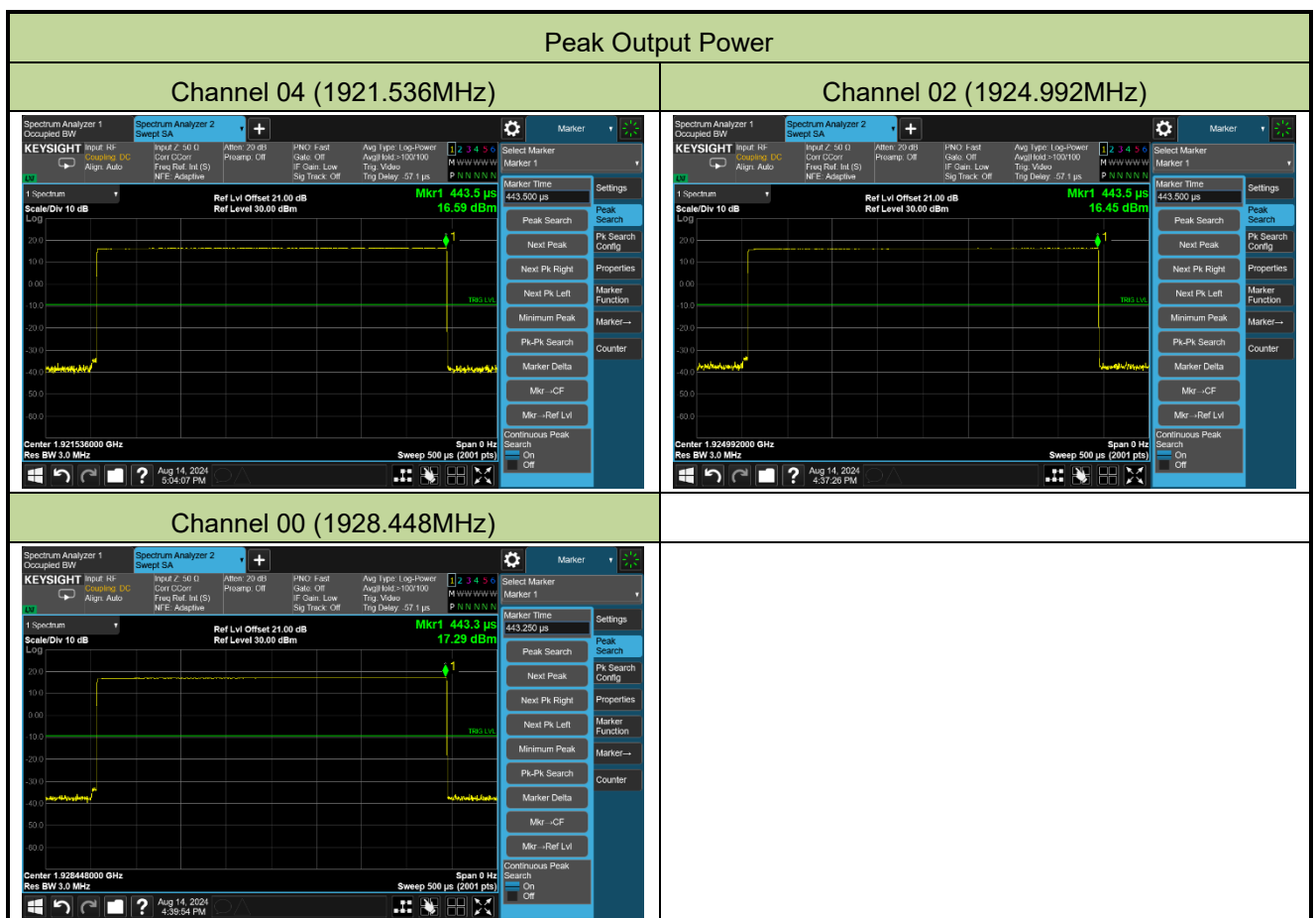
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-14	Test Mode	Mode 4

Channel No.	Frequency (MHz)	Peak Transmit Power (dBm)	Limit (dBm)	Result
04	1921.536	16.59	≤ 19.39	Pass
02	1924.992	16.45	≤ 19.39	Pass
00	1928.448	17.29	≤ 19.39	Pass

Note 1: The min EBW = 1389000Hz

Limit = $10 \cdot \log(100\mu\text{W} \times (\text{EBW})^{1/2} \div 1000) - (\text{Antenna Gain} - 3) = 19.39\text{dBm}$.

Note 2: Antenna Gain = 4.32dBi > 3dBi



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-01-15	Test Mode	Mode 5

Radio	Antenna	Channel No.	Frequency (MHz)	Peak Transmit Power (dBm)	Total Max Power (dBm)
A	E4003	04	1921.536	12.46	16.21
		02	1924.992	13.20	
		00	1928.448	11.99	
	E4004	04	1921.536	12.93	
		02	1924.992	13.68	
		00	1928.448	12.91	
B	E5003	04	1921.536	12.66	
		02	1924.992	12.57	
		00	1928.448	12.44	
	E5004	04	1921.536	12.19	
		02	1924.992	12.03	
		00	1928.448	11.88	

Note 1: The min EBW = 1389000Hz

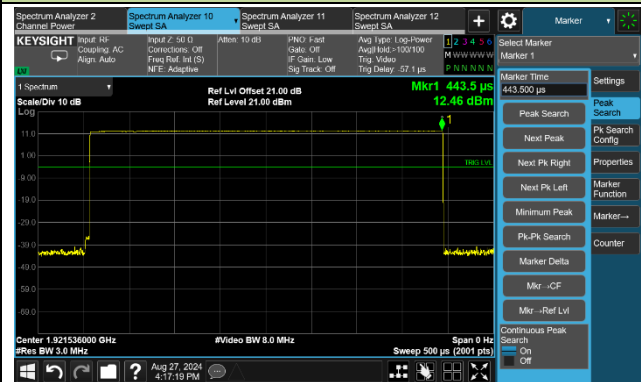
Limit = $10 \cdot \log(100\mu W \times (EBW)^{1/2} \div 1000) - (\text{Antenna Gain} - 3) = 19.39\text{dBm}$.

Note 2: Antenna Gain = 4.32dBi > 3dBi

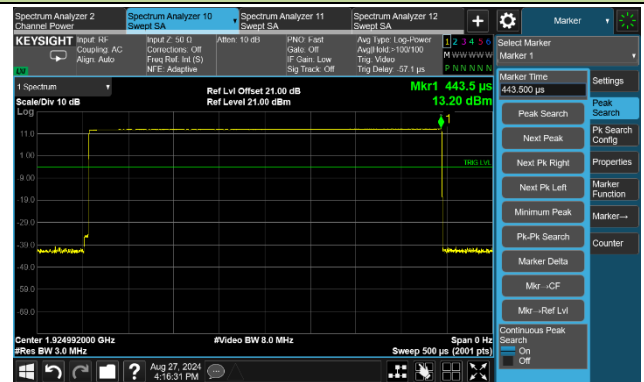
Note 3: Total Max Power (dBm) = $10 \cdot \text{LOG} (10^{(\text{Radio A Antenna E4004 Channel 02 (dBm)}/10)} + 10^{(\text{Radio B Antenna E5003 Channel 04 (dBm)}/10)})$

Radio A - Antenna E4003 Peak Output Power

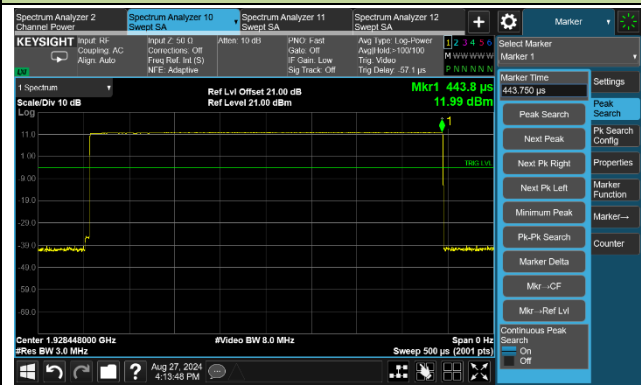
Channel 04 (1921.536MHz)



Channel 02 (1924.992MHz)

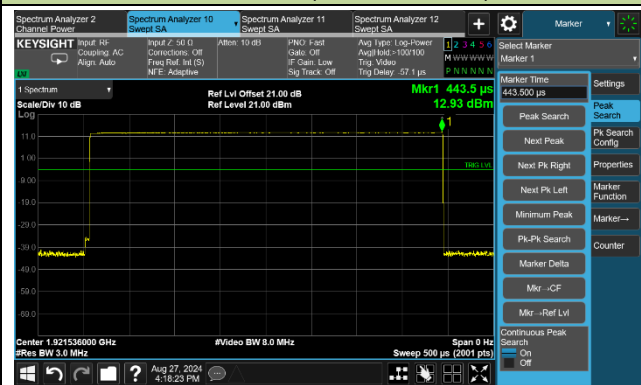


Channel 00 (1928.448MHz)

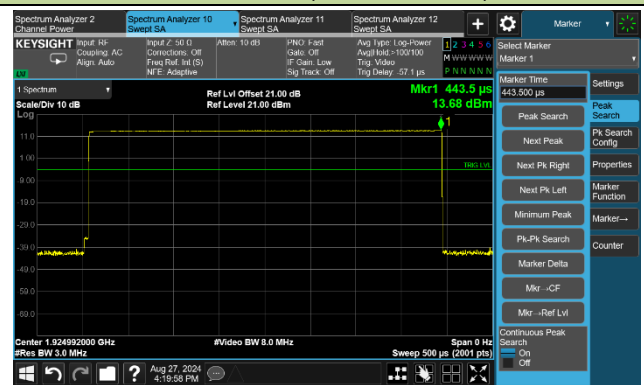


Radio A - Antenna E4004 Peak Output Power

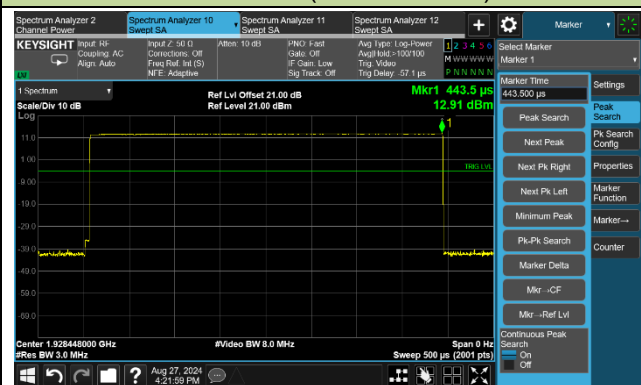
Channel 04 (1921.536MHz)



Channel 02 (1924.992MHz)

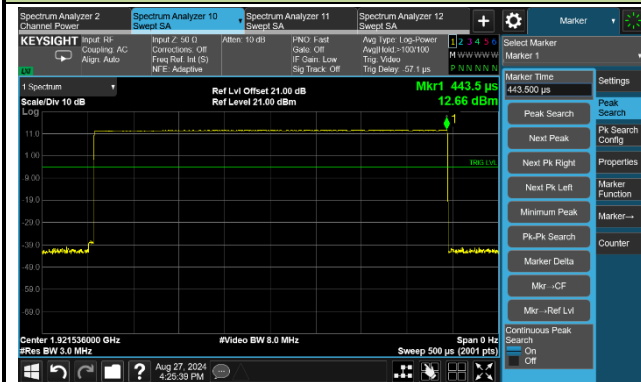


Channel 00 (1928.448MHz)

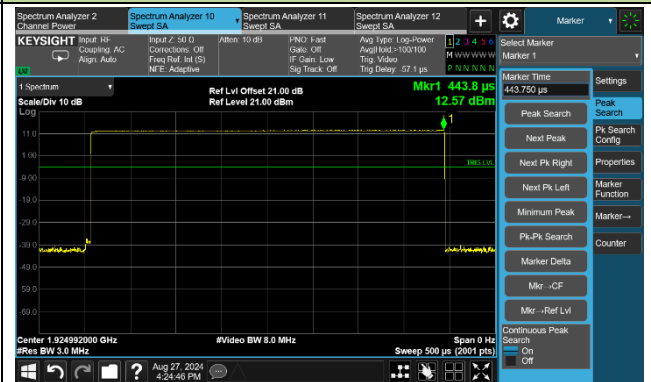


Radio B- Antenna E5003 Peak Output Power

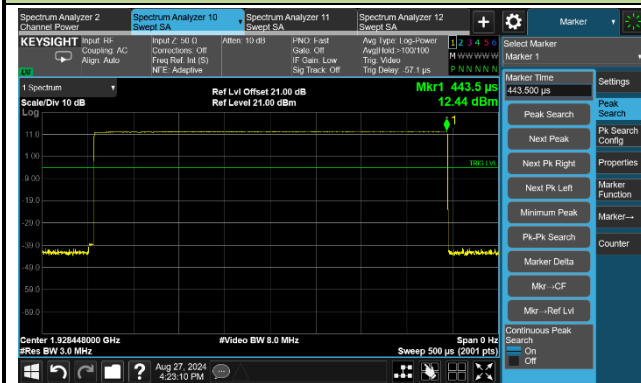
Channel 04 (1921.536MHz)



Channel 02 (1924.992MHz)

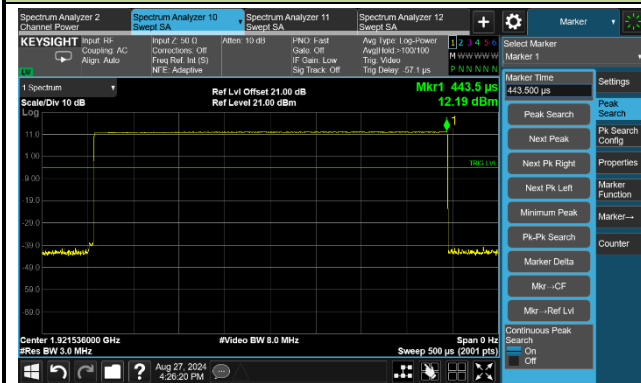


Channel 00 (1928.448MHz)

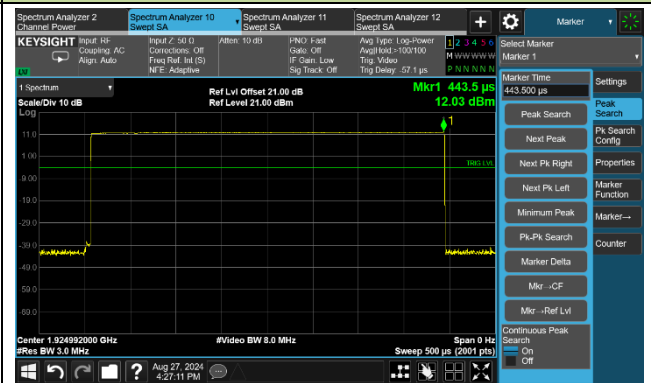


Radio B - Antenna E5004 Peak Output Power

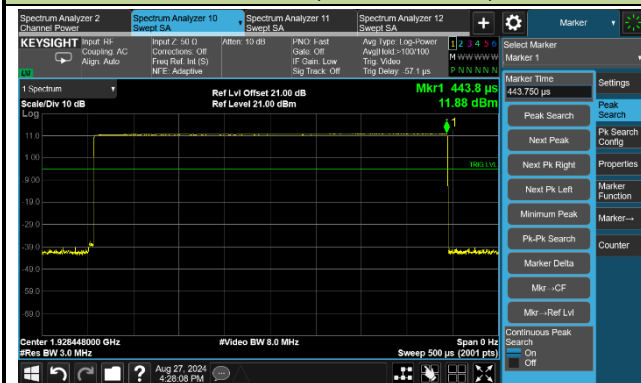
Channel 04 (1921.536MHz)



Channel 02 (1924.992MHz)



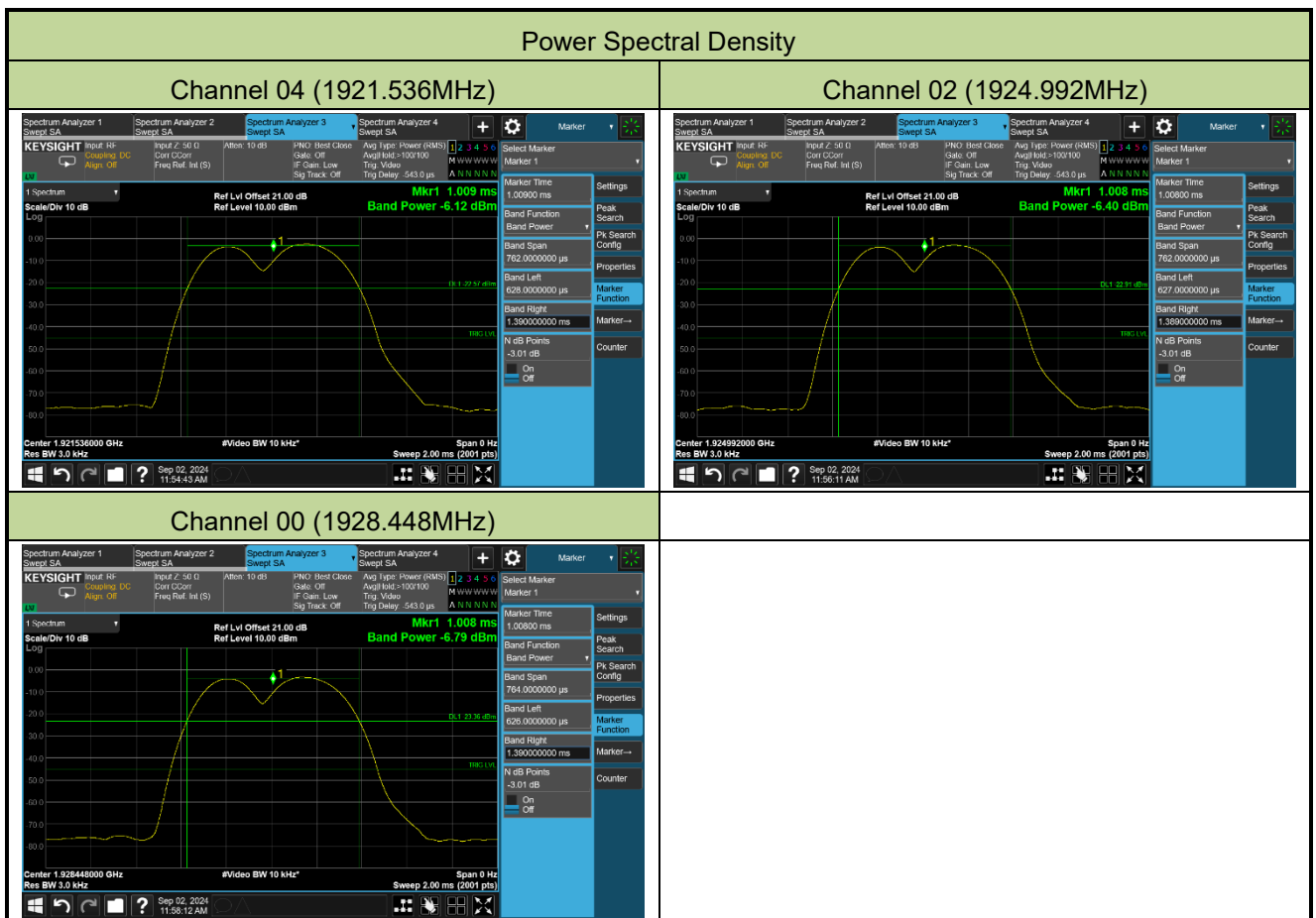
Channel 00 (1928.448MHz)



6.5.4. Test Result

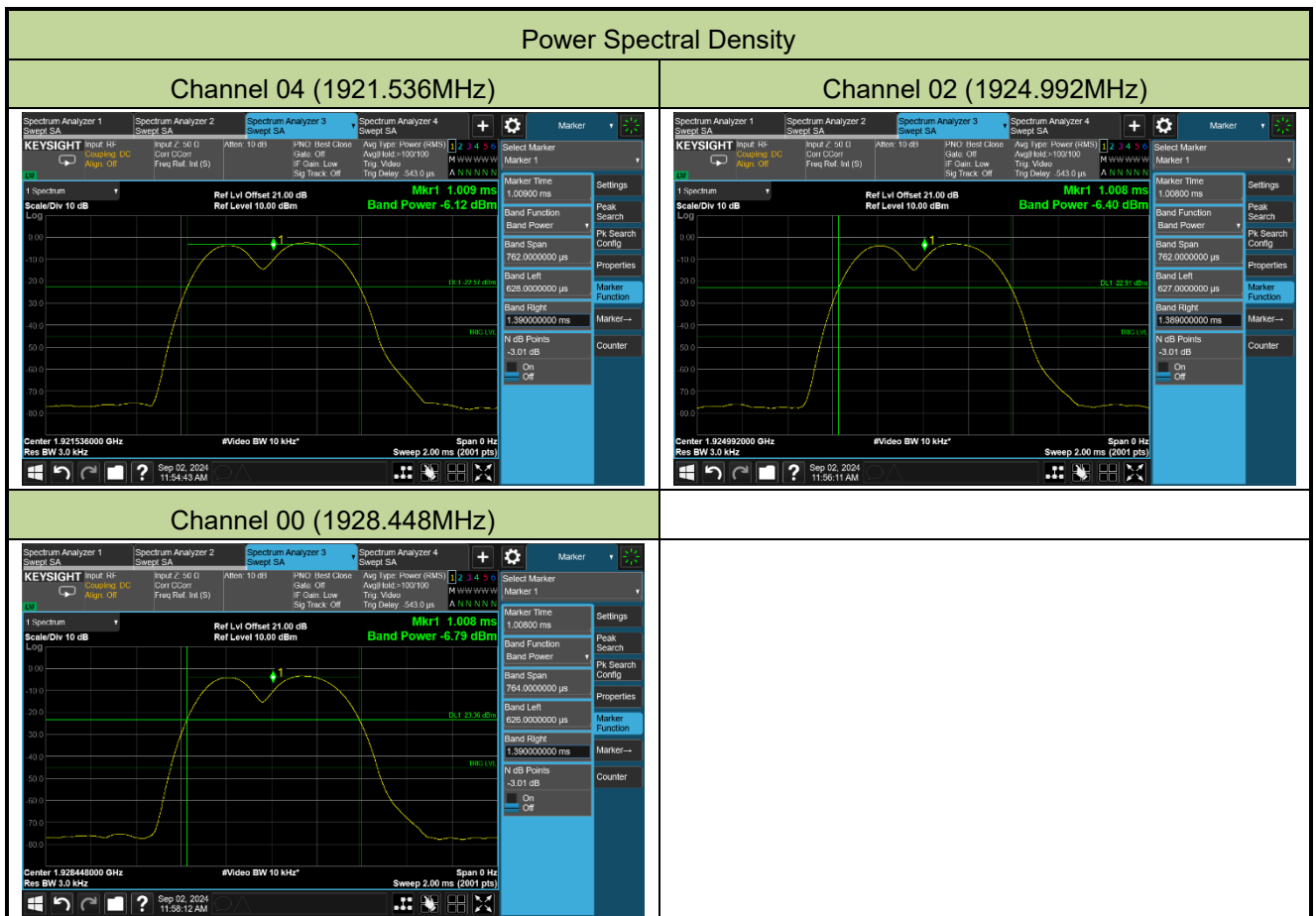
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-02	Test Mode	Mode 1

Channel No.	Frequency (MHz)	Measured PSD (dBm / 3kHz)	Measured PSD (mW / 3kHz)	Limit (mW / 3kHz)	Result
04	1921.536	-7.47	0.18	≤ 3.00	Pass
02	1924.992	-6.69	0.21	≤ 3.00	Pass
00	1928.448	-8.26	0.15	≤ 3.00	Pass



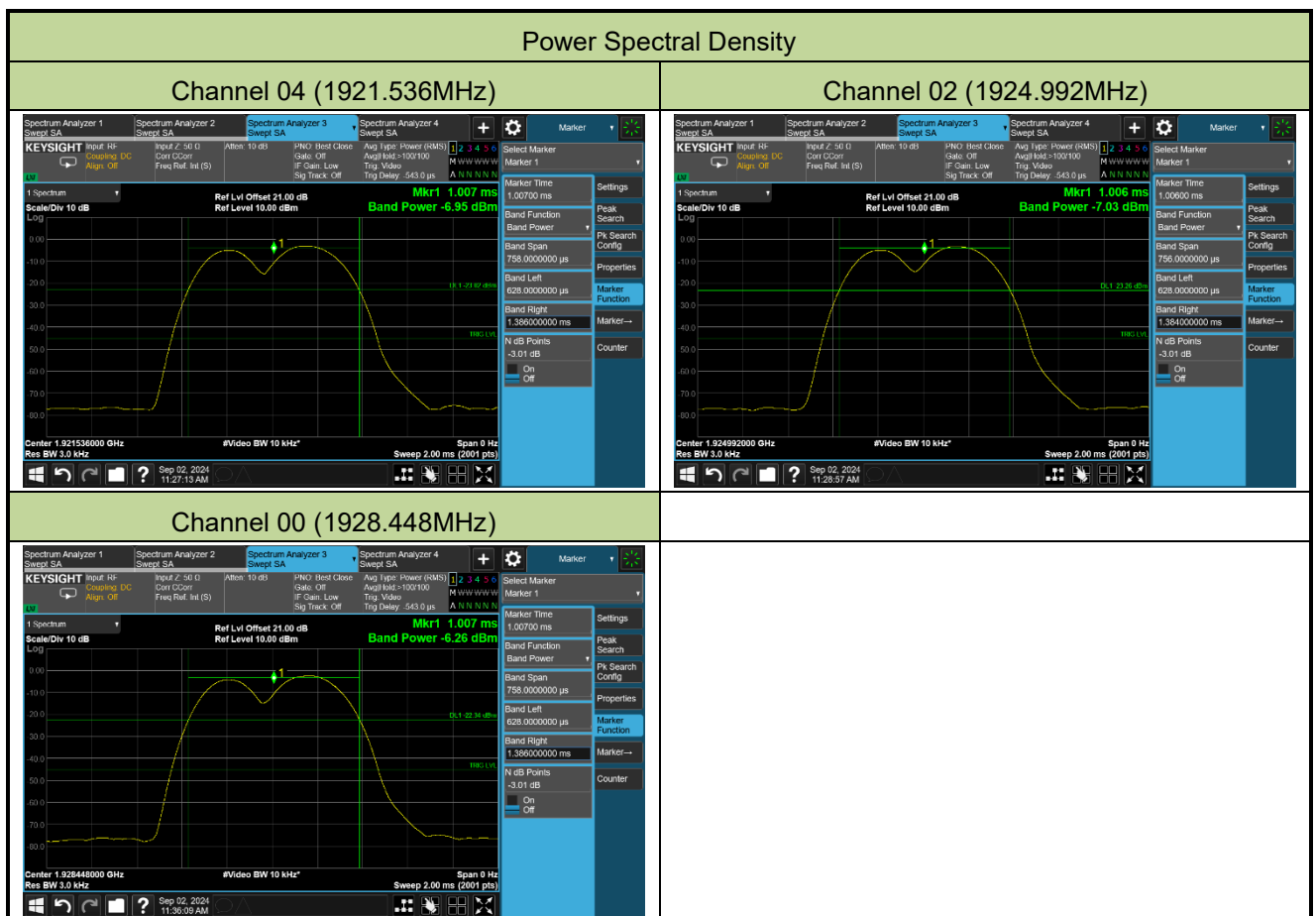
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-02	Test Mode	Mode 2

Channel No.	Frequency (MHz)	Measured PSD (dBm / 3kHz)	Measured PSD (mW / 3kHz)	Limit (mW / 3kHz)	Result
04	1921.536	-6.12	0.24	≤ 3.00	Pass
02	1924.992	-6.40	0.23	≤ 3.00	Pass
00	1928.448	-6.79	0.21	≤ 3.00	Pass



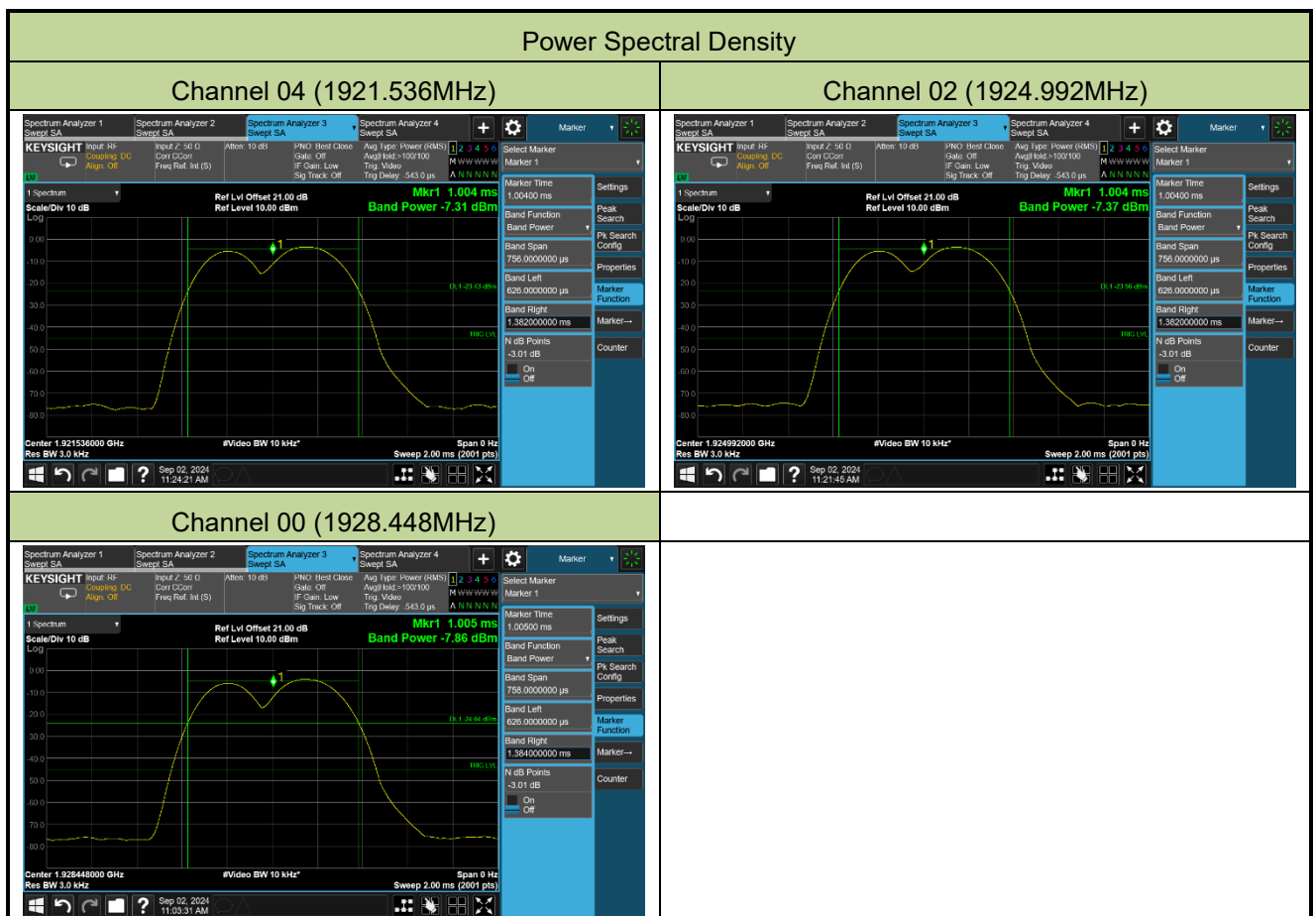
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-09-02	Test Mode	Mode 3

Channel No.	Frequency (MHz)	Measured PSD (dBm / 3kHz)	Measured PSD (mW / 3kHz)	Limit (mW / 3kHz)	Result
04	1921.536	-6.95	0.20	≤ 3.00	Pass
02	1924.992	-7.03	0.20	≤ 3.00	Pass
00	1928.448	-6.26	0.24	≤ 3.00	Pass



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-01-15	Test Mode	Mode 4

Channel No.	Frequency (MHz)	Measured PSD (dBm / 3kHz)	Measured PSD (mW / 3kHz)	Limit (mW / 3kHz)	Result
04	1921.536	-7.31	0.19	≤ 3.00	Pass
02	1924.992	-7.37	0.18	≤ 3.00	Pass
00	1928.448	-7.86	0.16	≤ 3.00	Pass



6.6. In-Band Unwanted Emissions

6.6.1. Test Limit

$B < f2_2B$: less than or equal to 30 dB below maximum permitted peak power level.

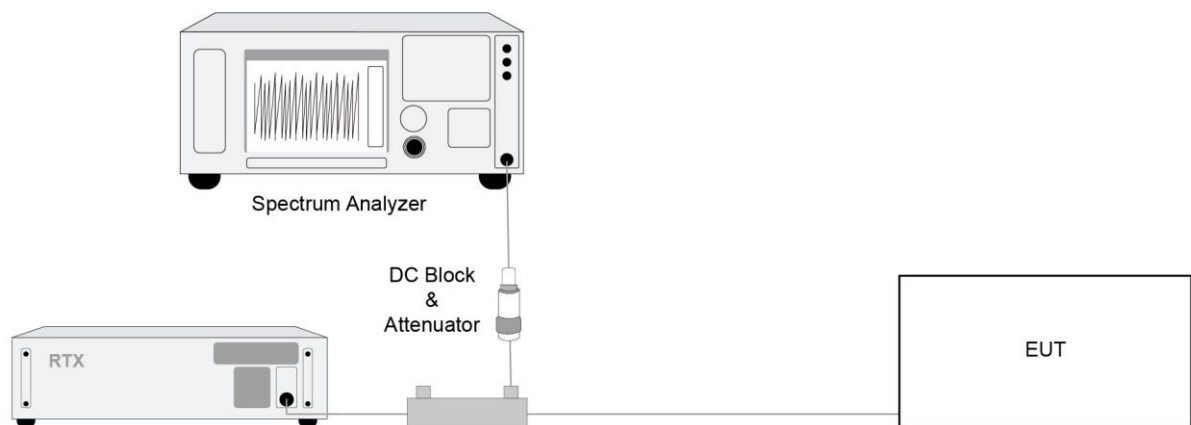
$2B < f2_3B$: less than or equal to 50 dB below maximum permitted peak power level.

$3B < f2_UPCS \text{ Band Edge}$: less than or equal to 60 dB below maximum permitted peak power level.

6.6.2. Test Procedure

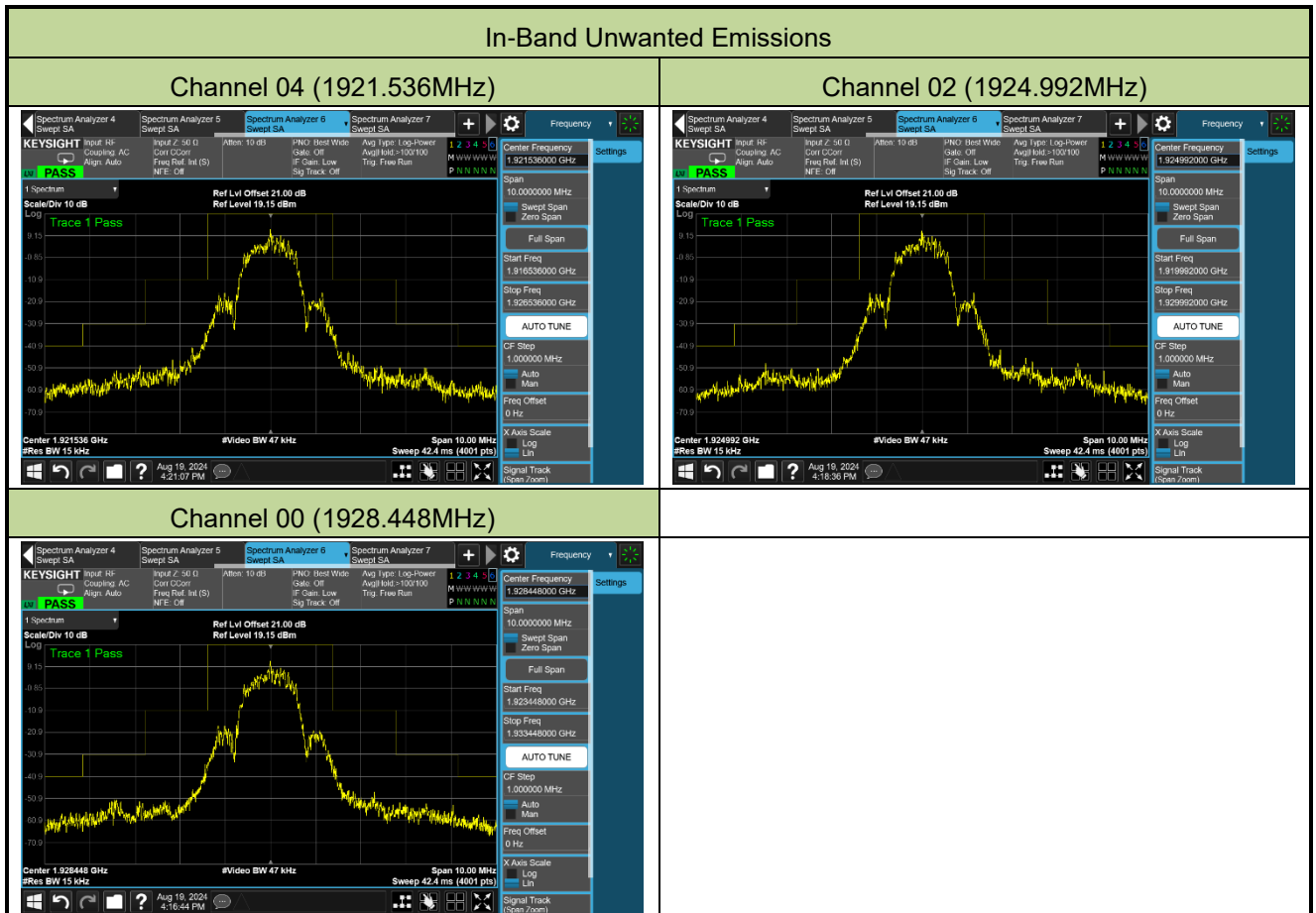
ANSI C63.17, Clause 6.1.6.1

6.6.3. Test Setup

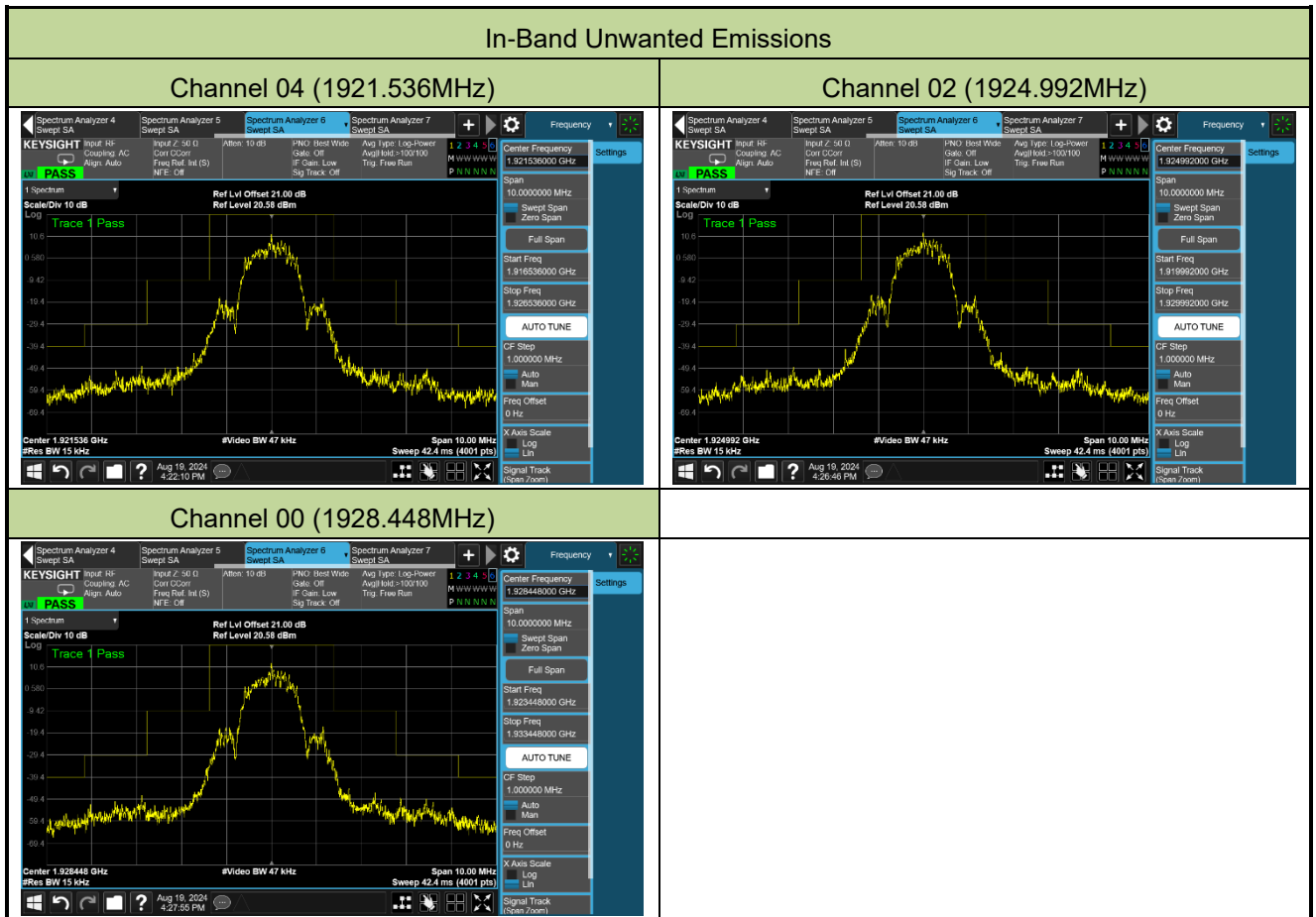


6.6.4. Test Result

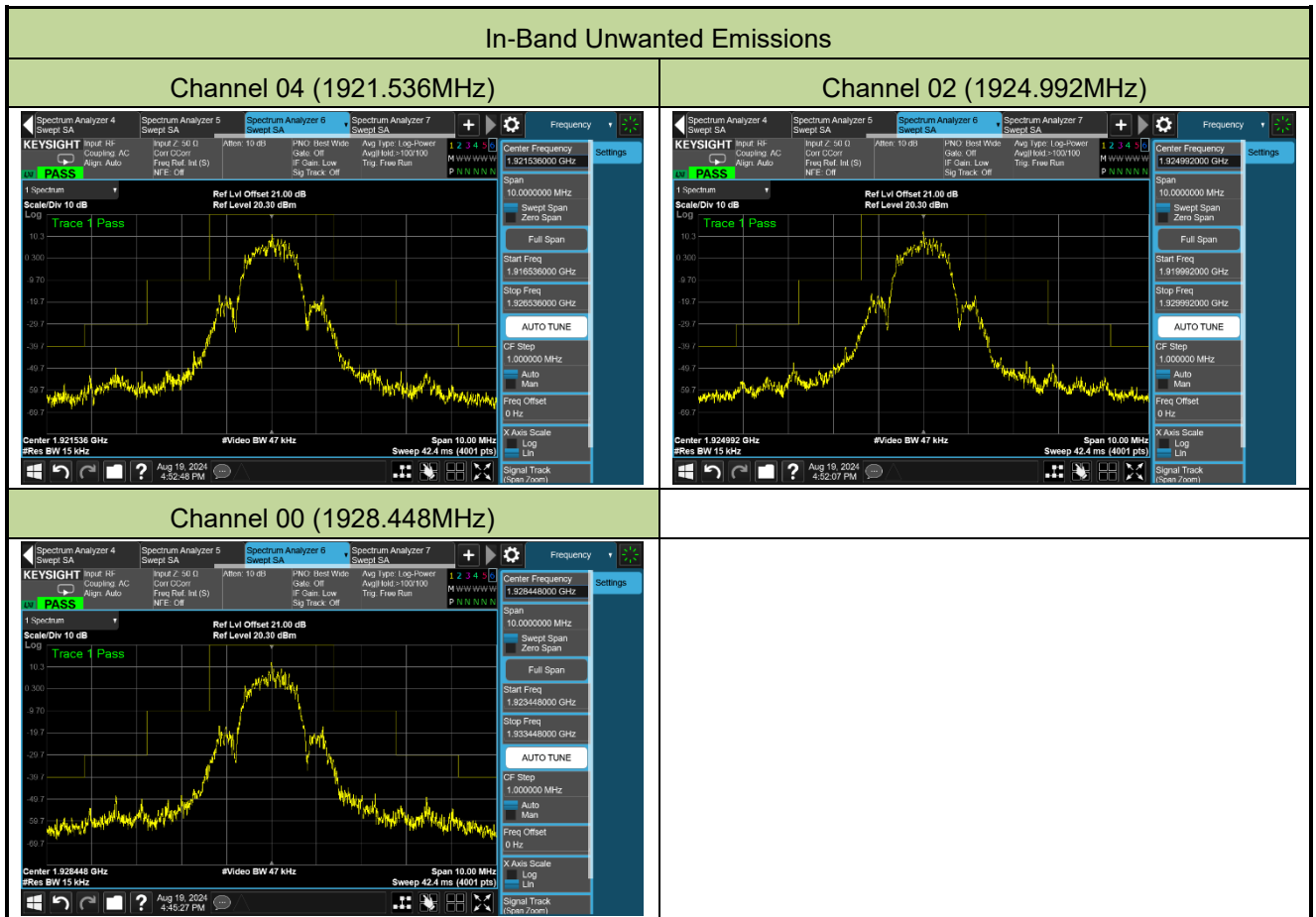
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-19	Test Mode	Mode 1



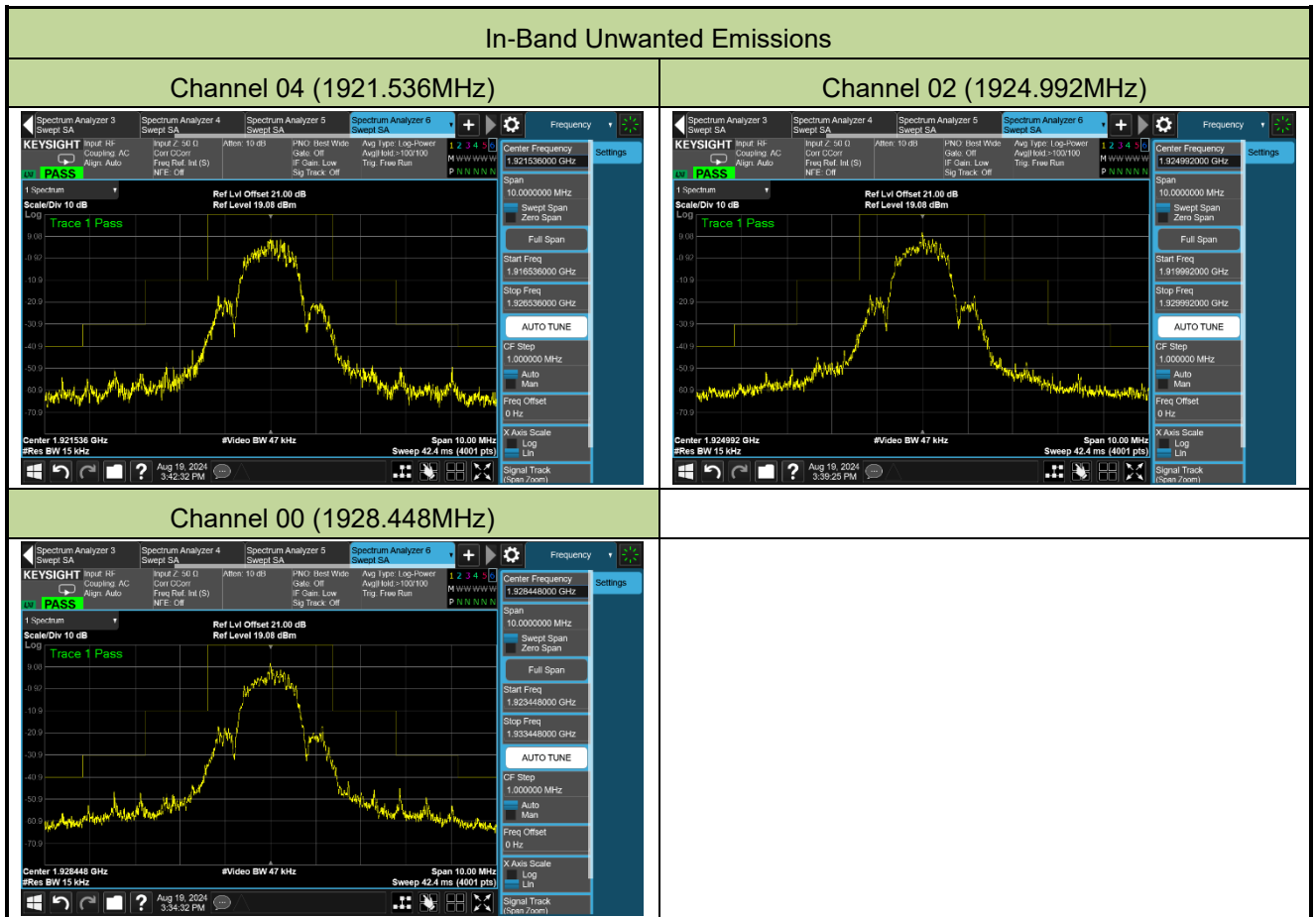
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-19	Test Mode	Mode 2



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-19	Test Mode	Mode 3



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-19	Test Mode	Mode 4



6.7. Out-of-Band Emissions, Conducted

6.7.1. Test Limit

$f \leq 1.25$ MHz outside UPCS band: ≤ -9.5 dBm

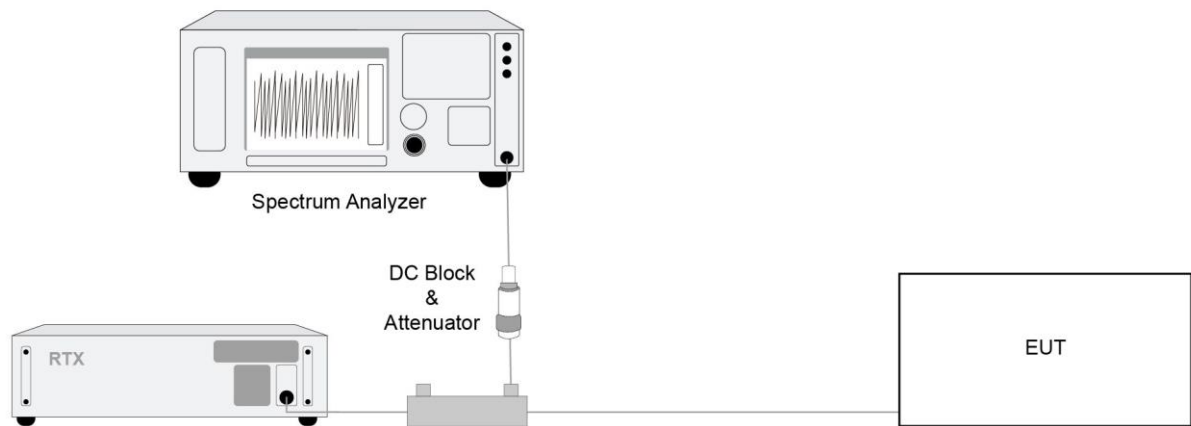
1.25 MHz $\leq f \leq 2.5$ MHz outside UPCS band: ≤ -29.5 dBm

$f \leq 2.5$ MHz outside UPCS band: ≤ -39.5 dBm

6.7.2. Test Procedure

ANSI C63.17, Clause 6.1.6.2

6.7.3. Test Setup

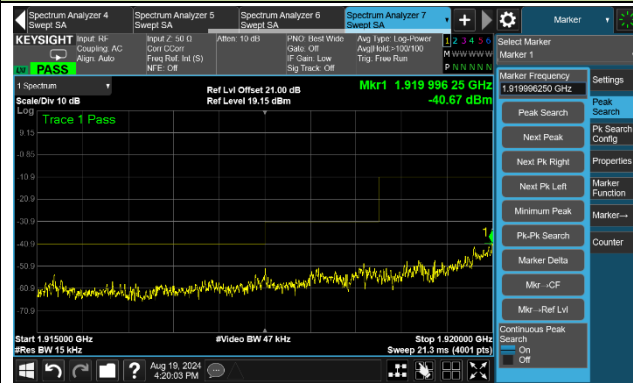


6.7.4. Test Result

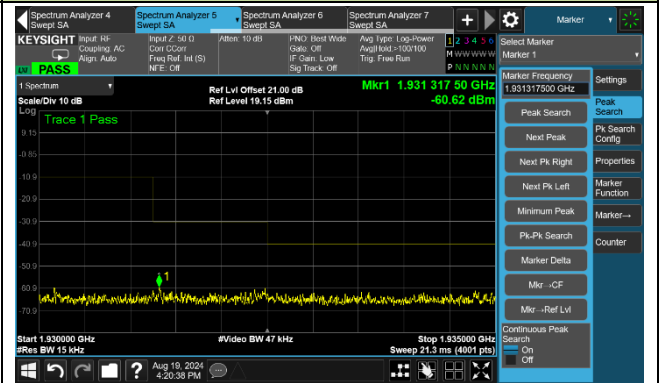
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2024-08-19	Test Mode	Mode 1

Out-Band Unwanted Emissions – Channel 04

1.915GHz ~ 1.92GHz

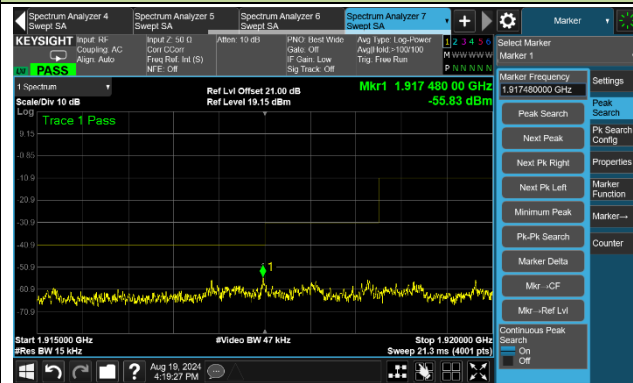


1.93GHz ~ 1.935GHz

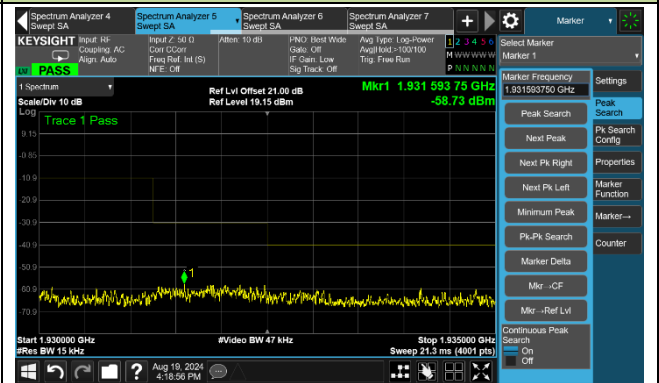


Out-Band Unwanted Emissions –Channel 02

1.915GHz ~ 1.92GHz

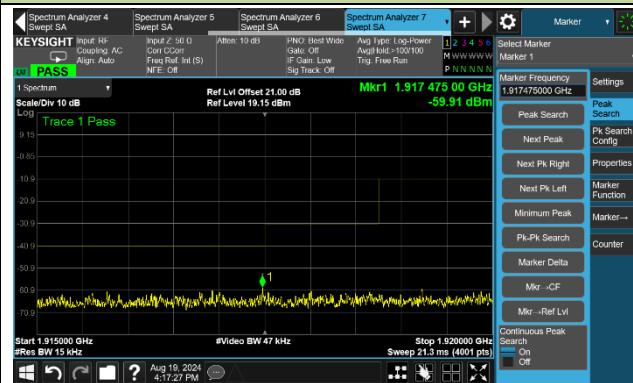


1.93GHz ~ 1.935GHz



Out-Band Unwanted Emissions –Channel 00

1.915GHz ~ 1.92GHz



1.93GHz ~ 1.935GHz

