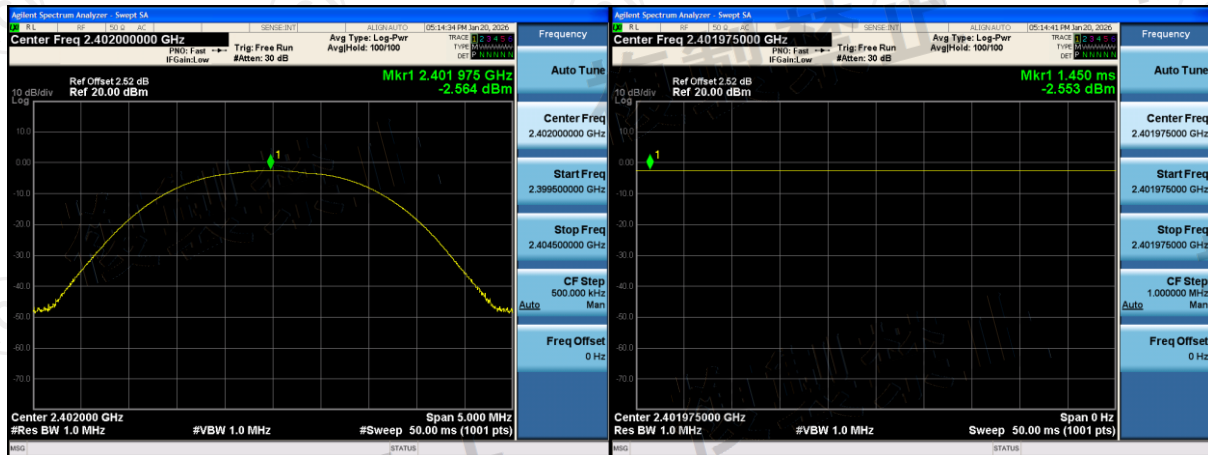
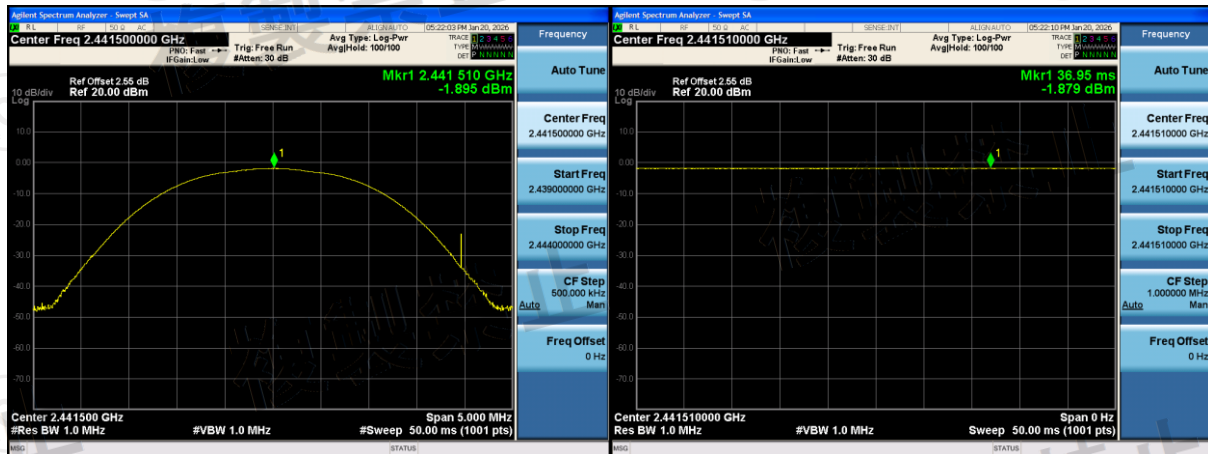


Test plots as follows:
QPSK:
1.4MHz

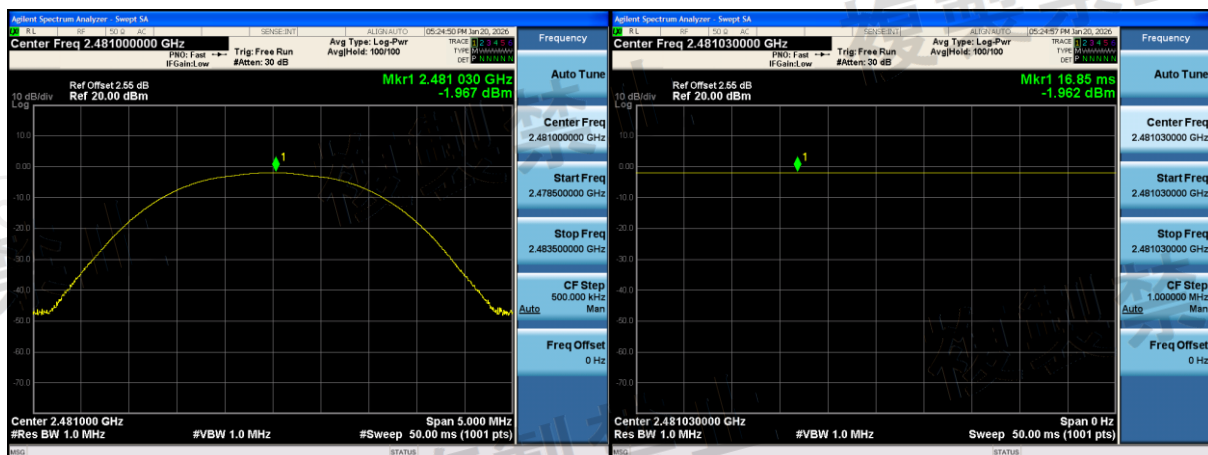
Lowest channel



Middle channel

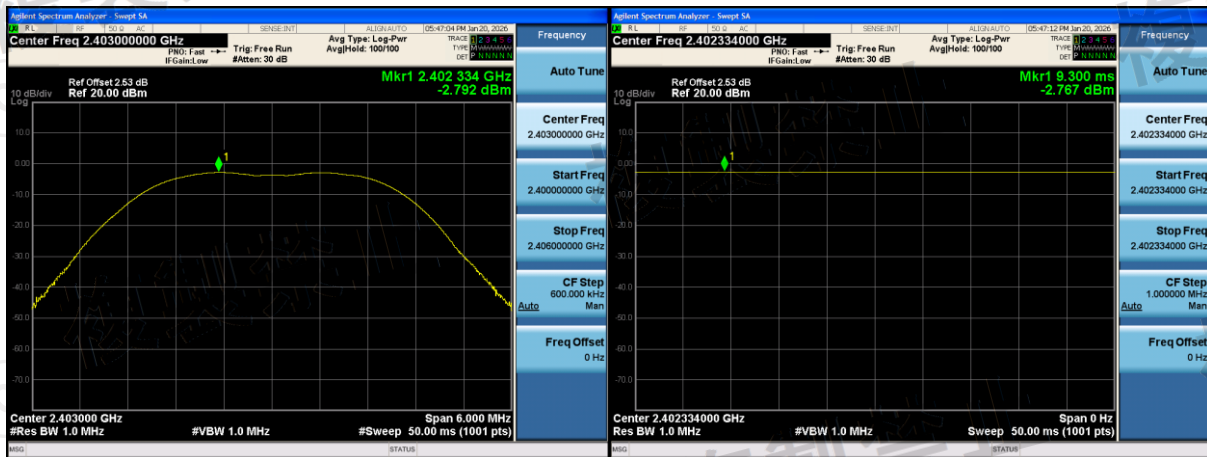


Highest channel

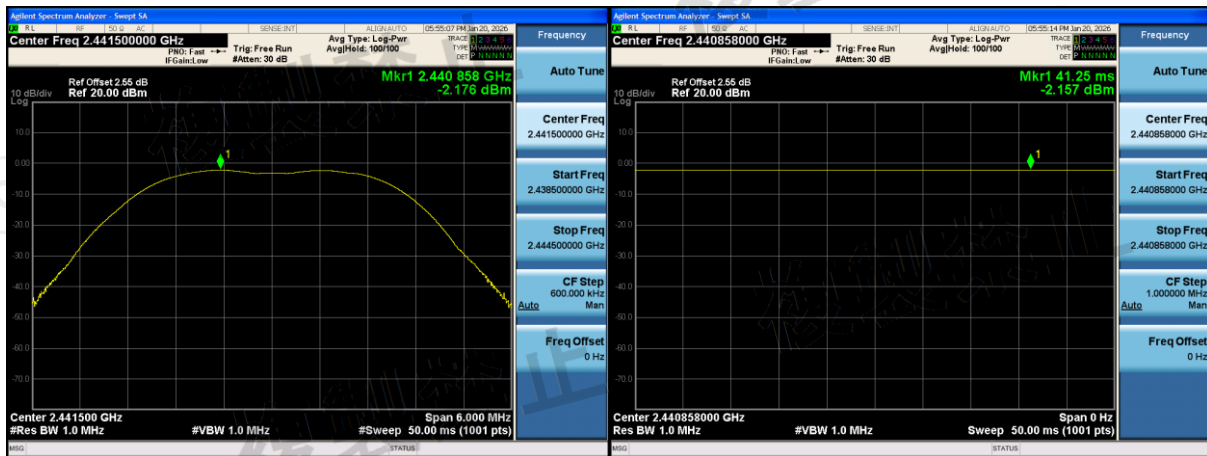


3MHz

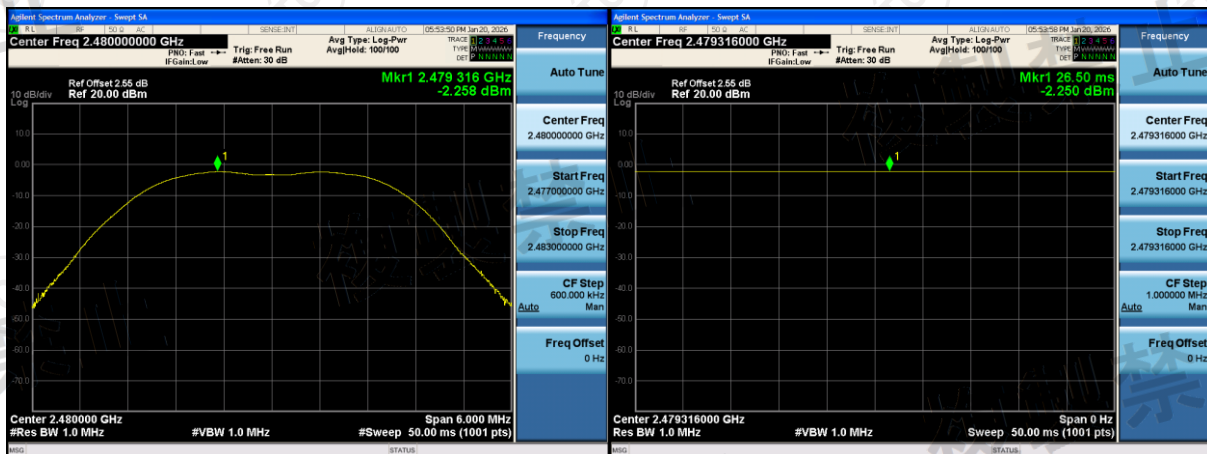
Lowest channel



Middle channel



Highest channel

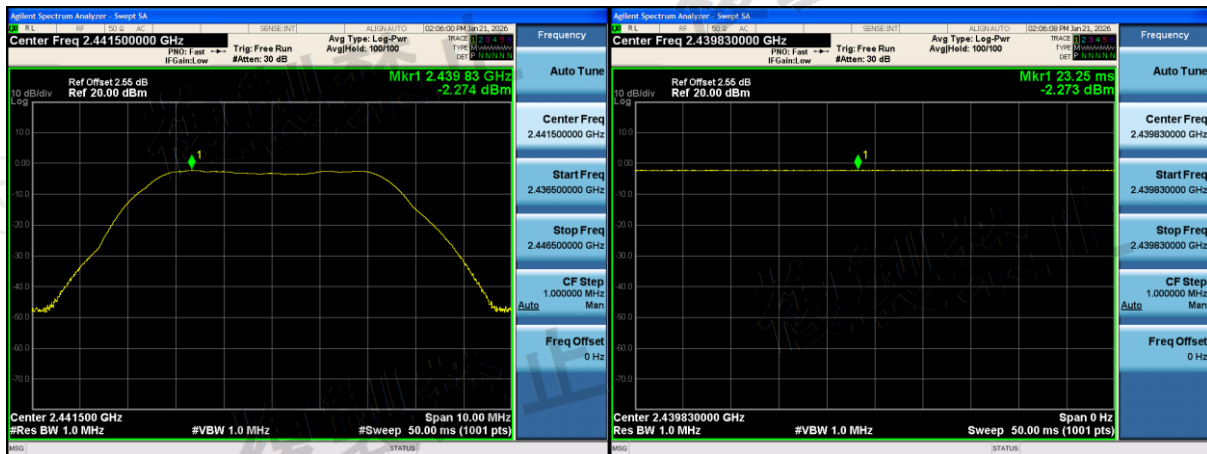


5MHz

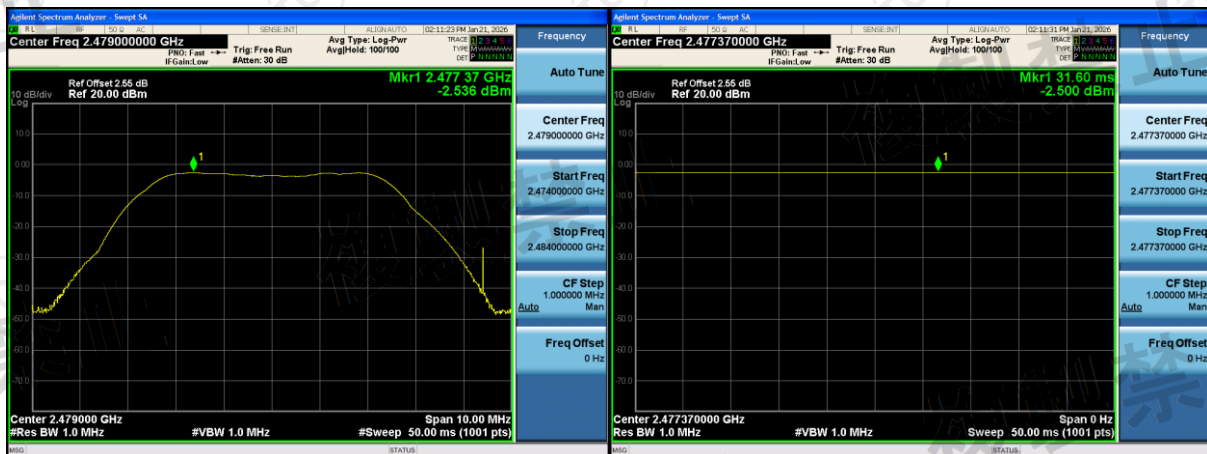
Lowest channel



Middle channel

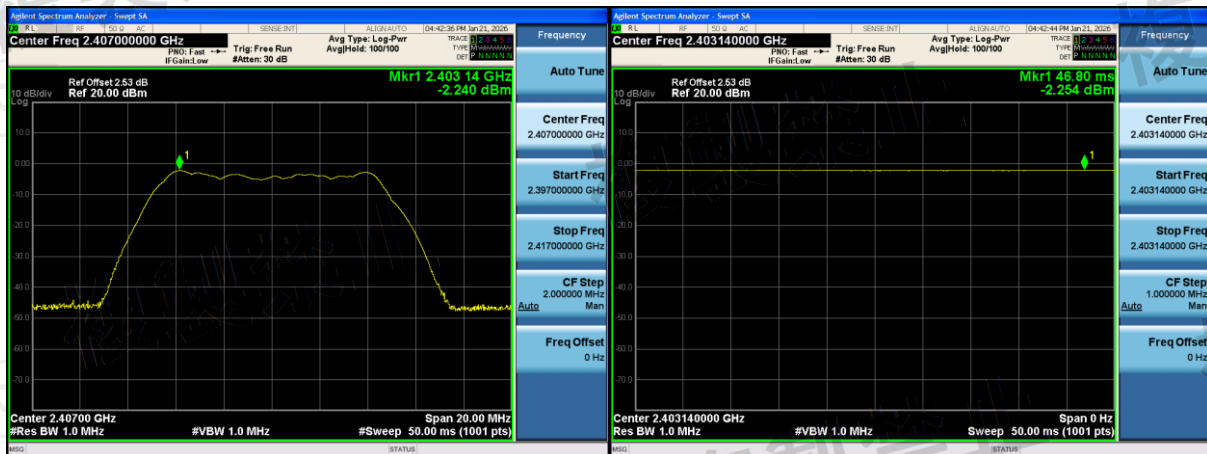


Highest channel

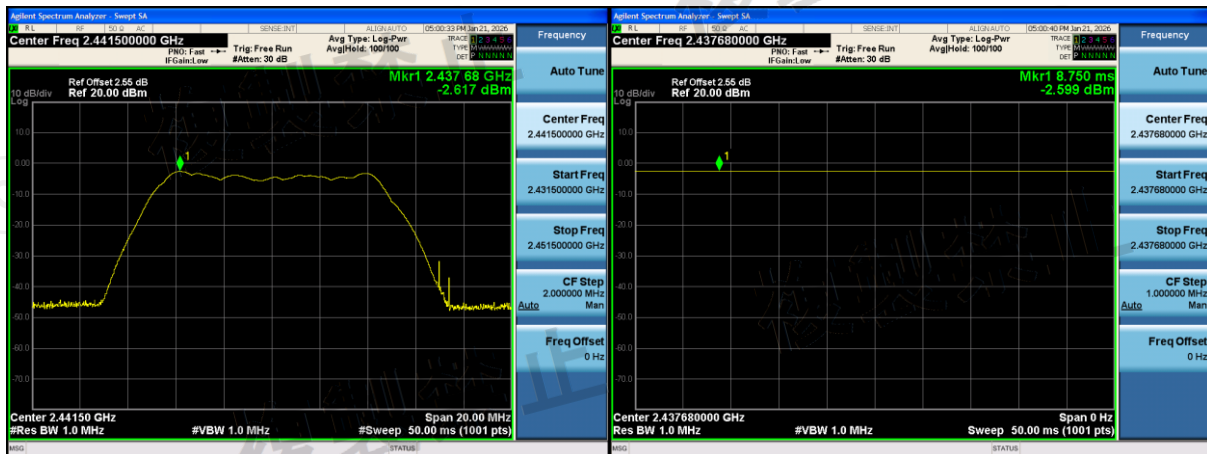


10MHz

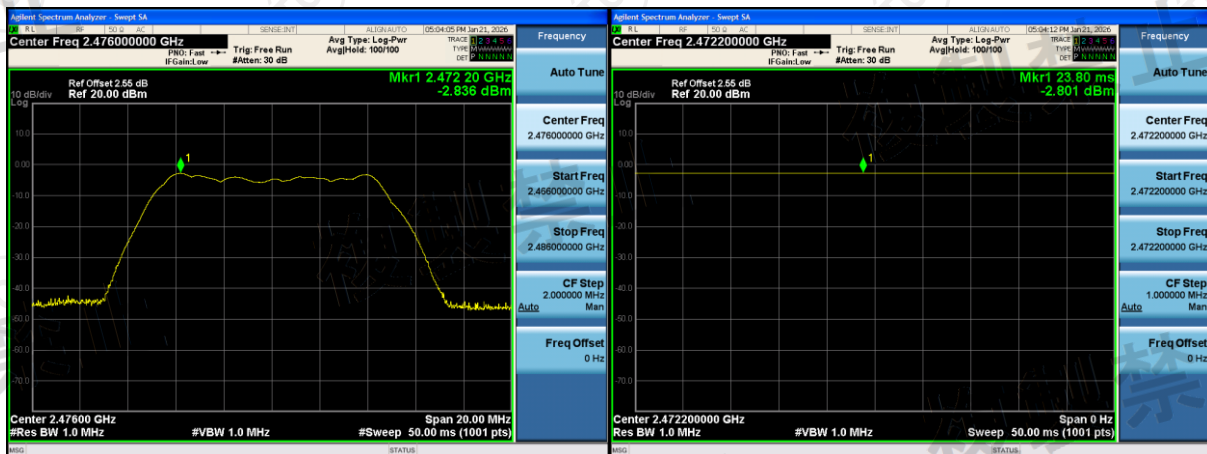
Lowest channel



Middle channel

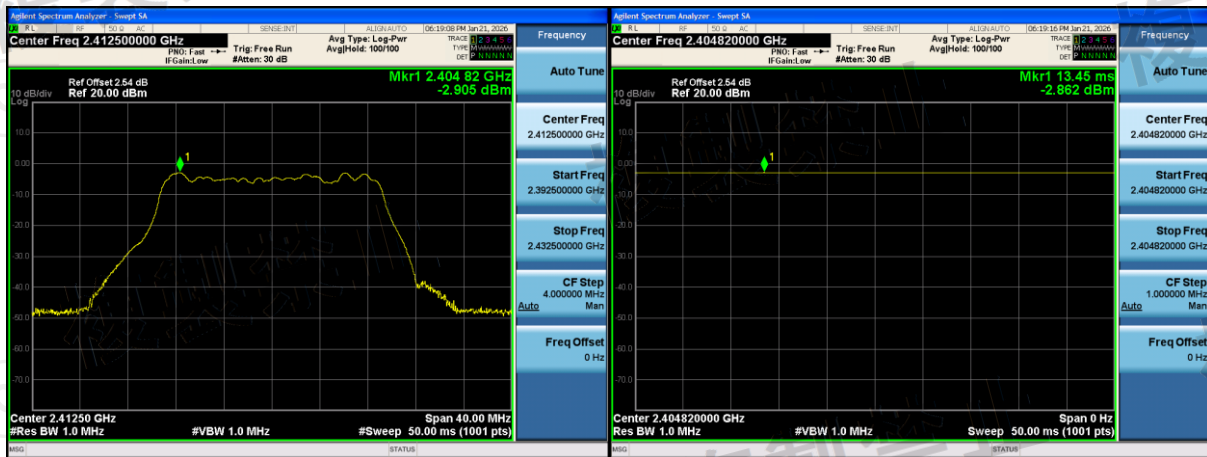


Highest channel

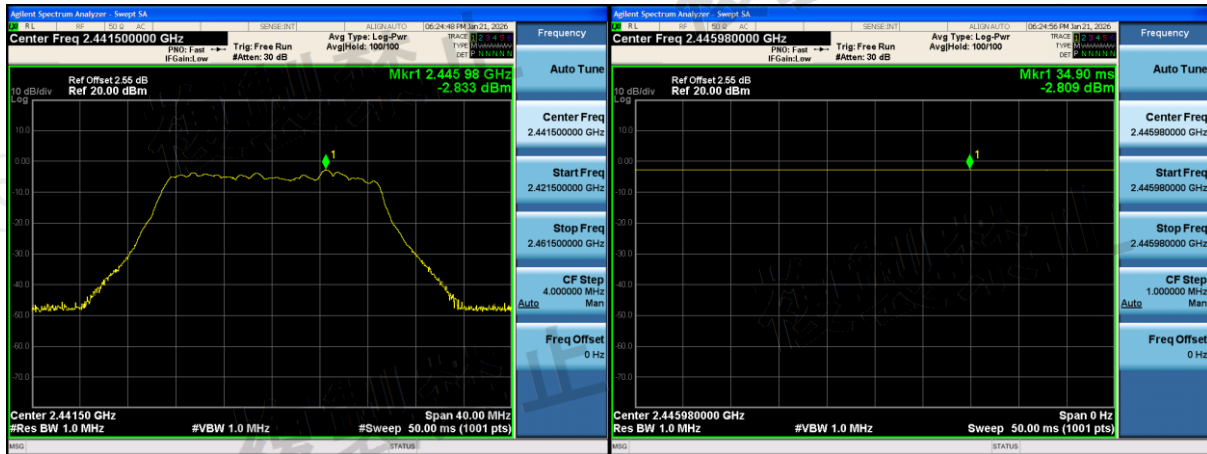


20MHz

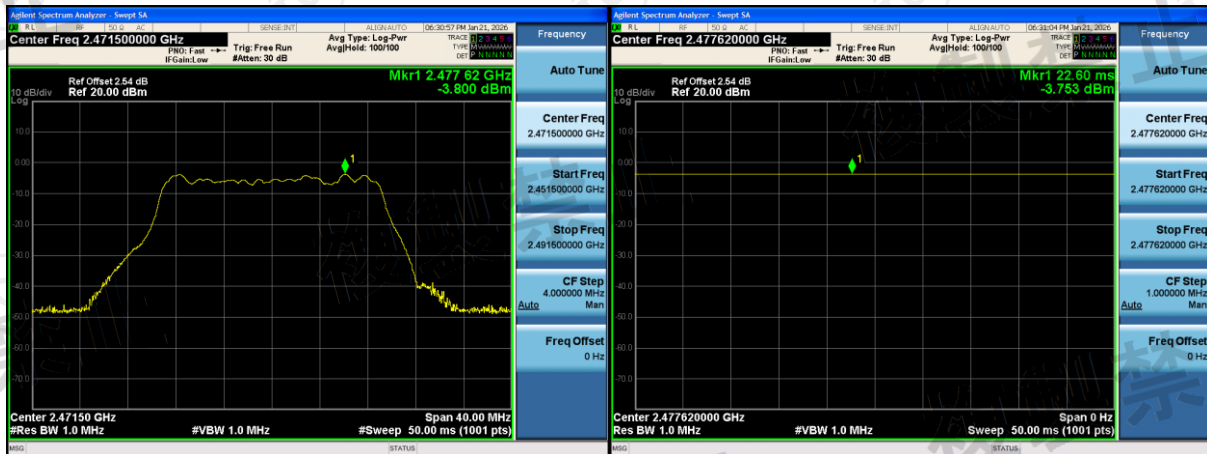
Lowest channel



Middle channel

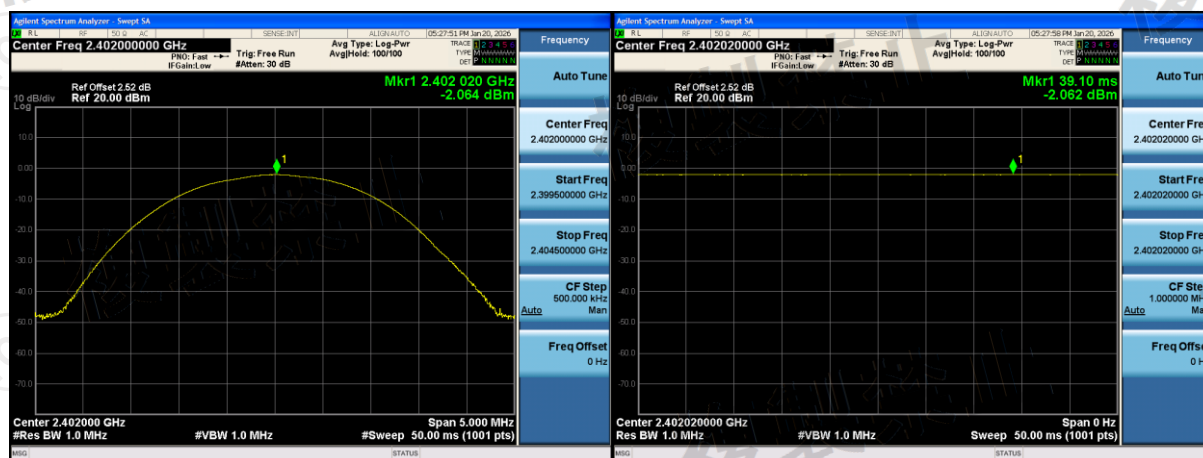


Highest channel

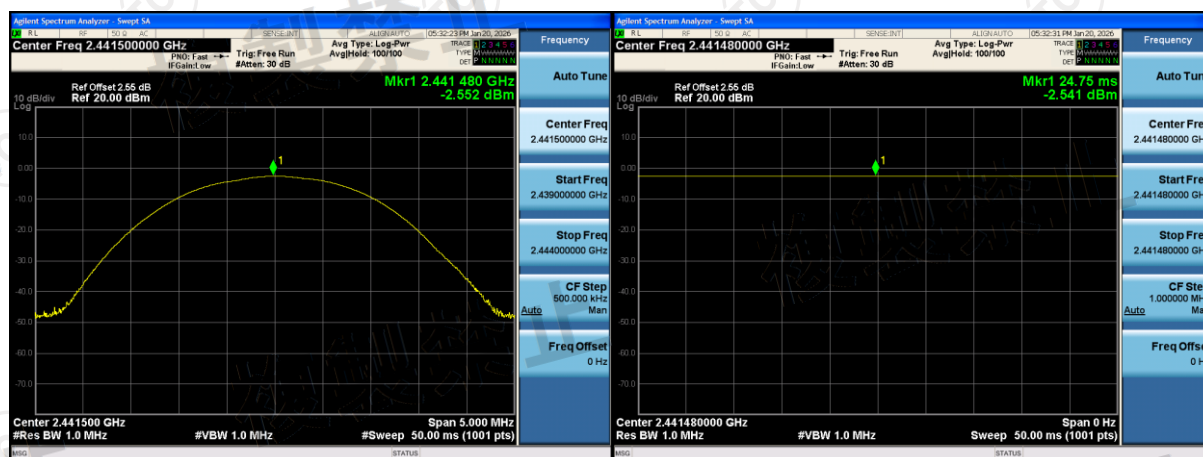


16QAM:
1.4MHz

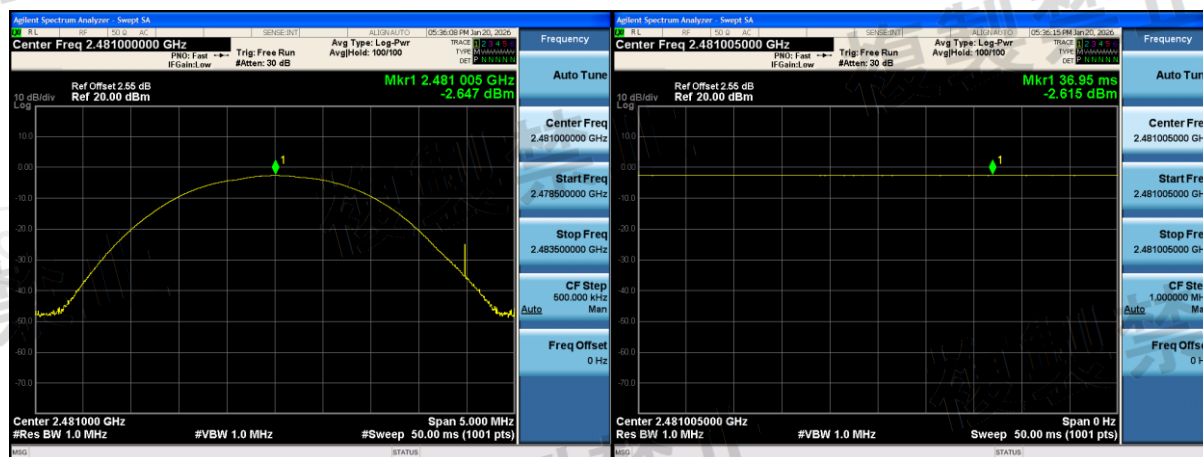
Lowest channel



Middle channel

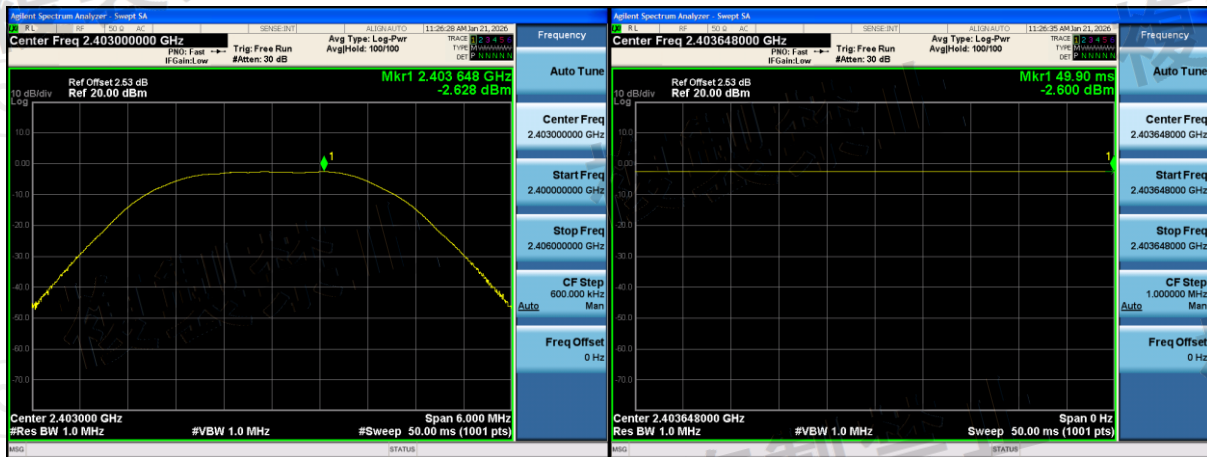


Highest channel

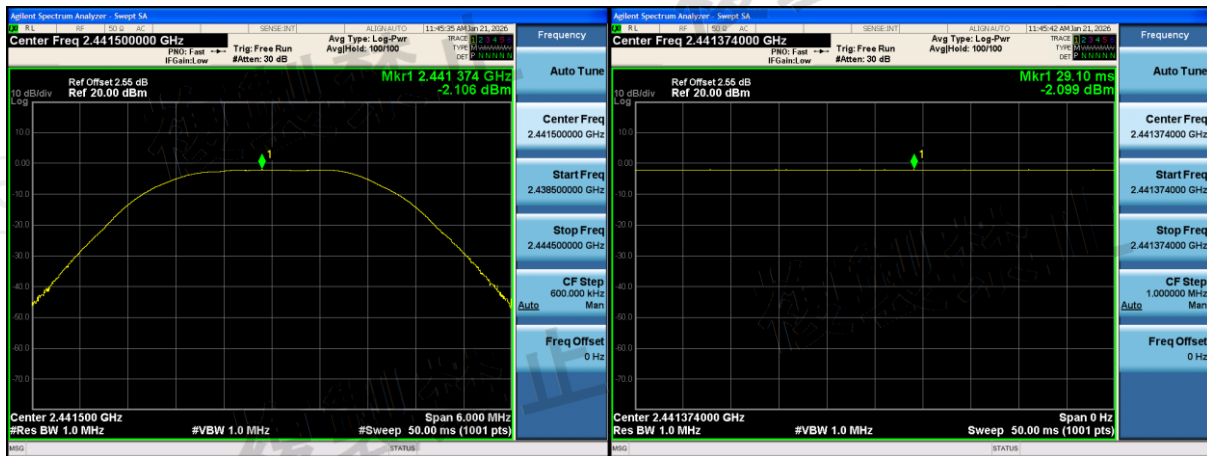


3MHz

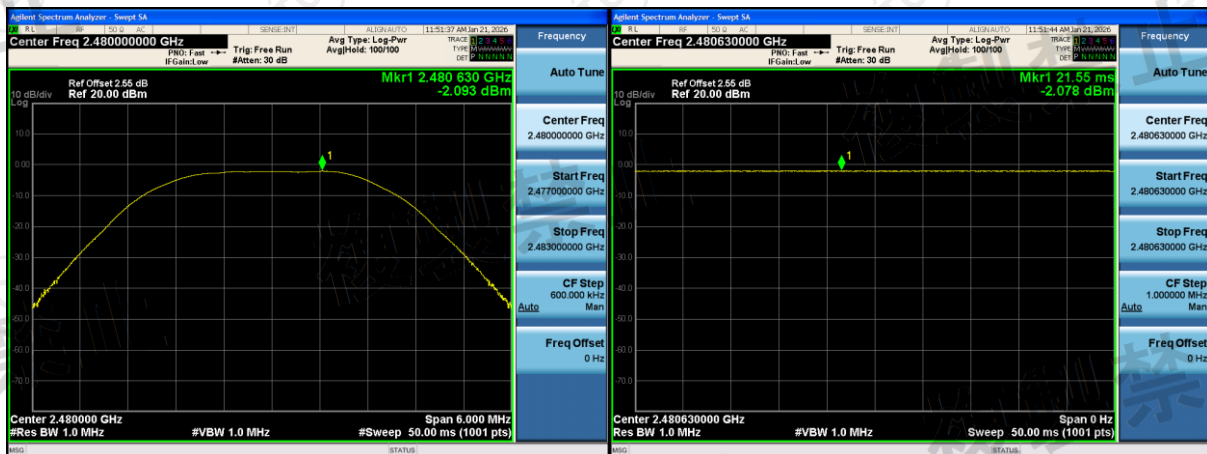
Lowest channel



Middle channel

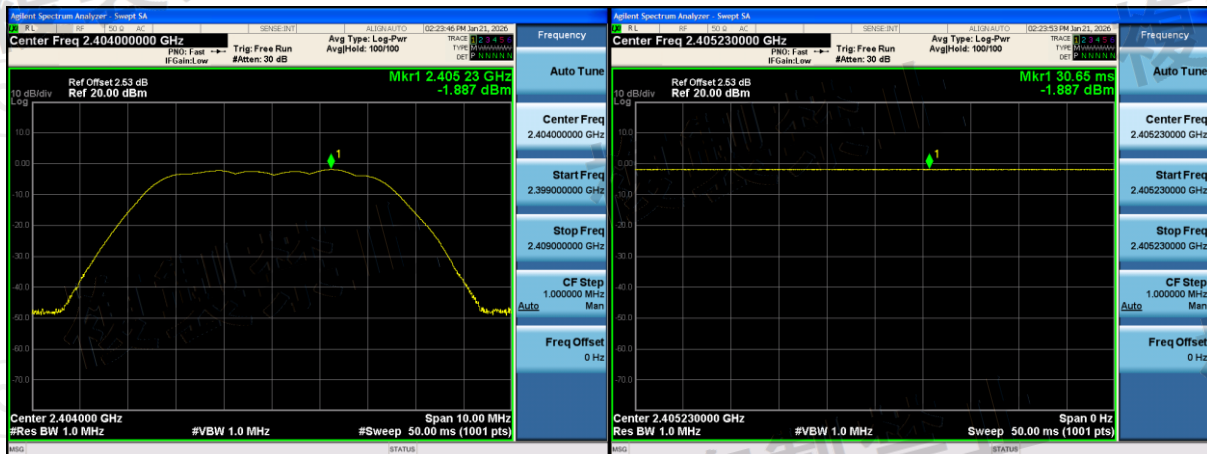


Highest channel

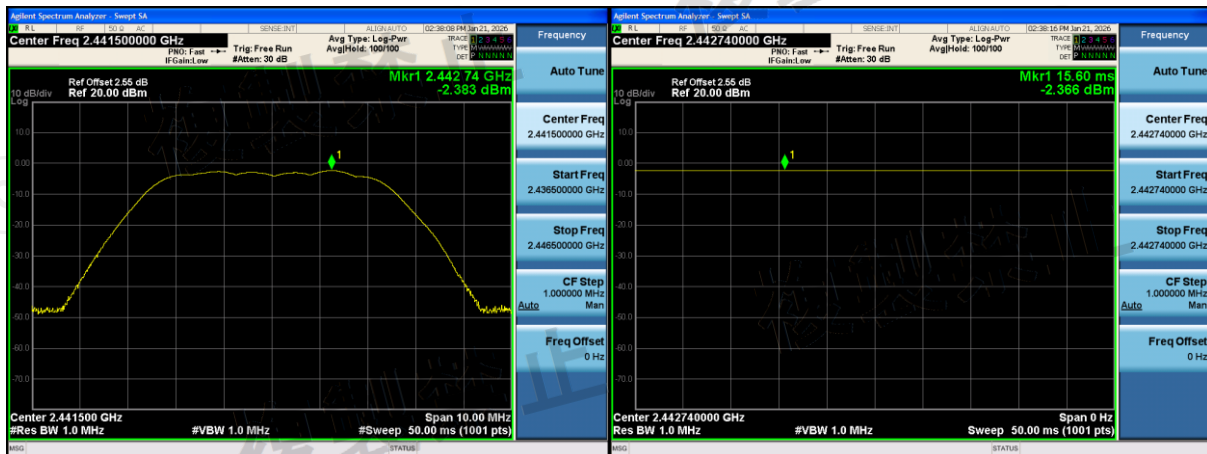


5MHz

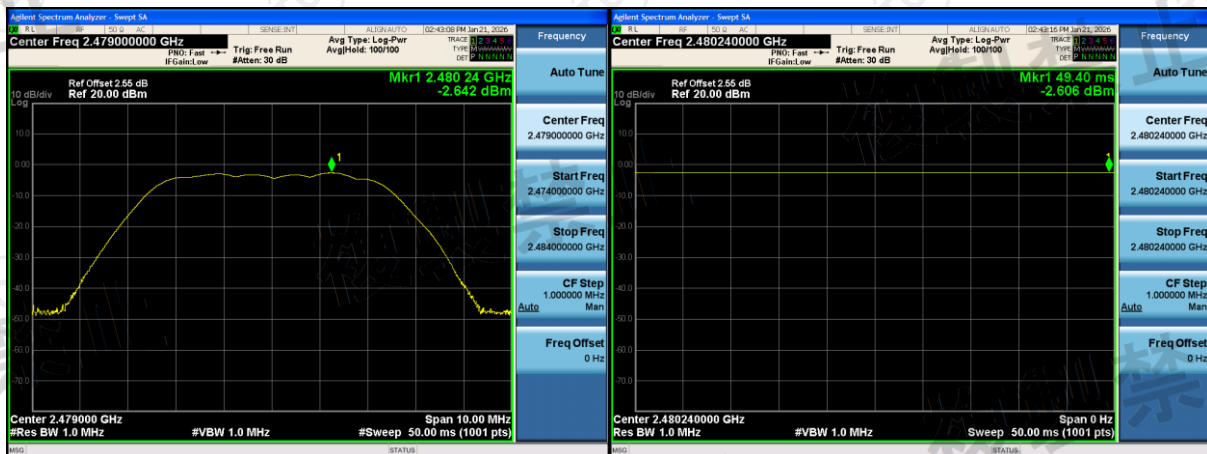
Lowest channel



Middle channel

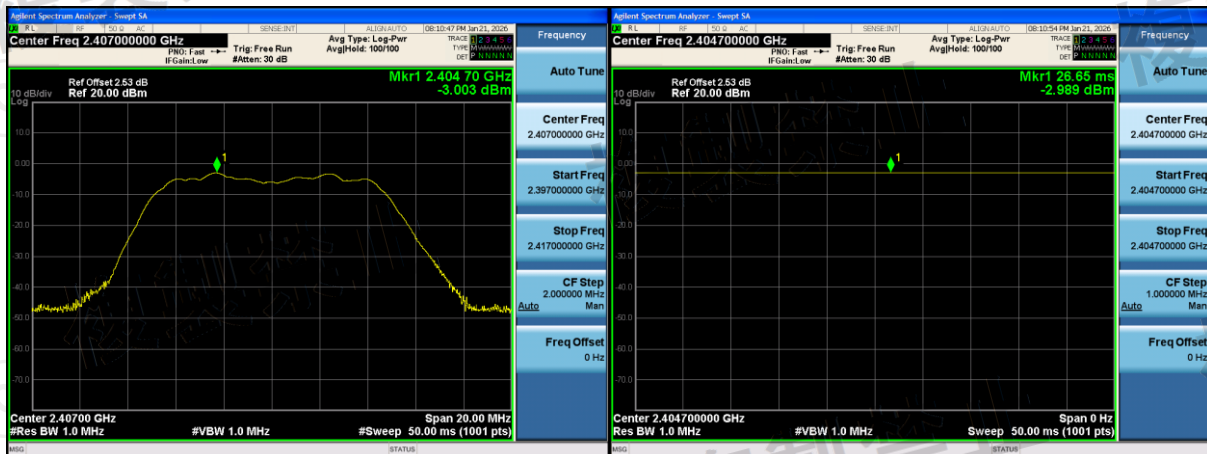


Highest channel

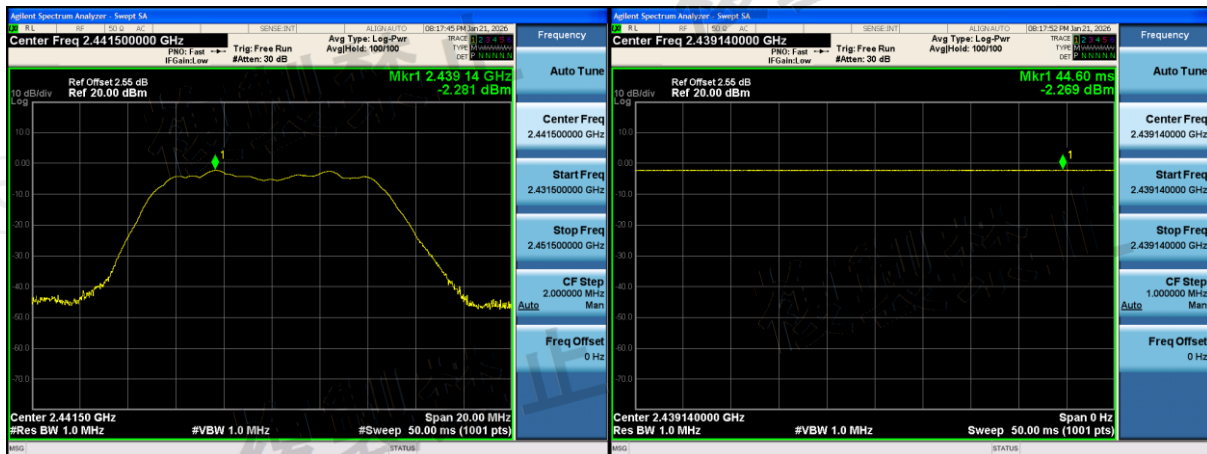


10MHz

Lowest channel



Middle channel



Highest channel

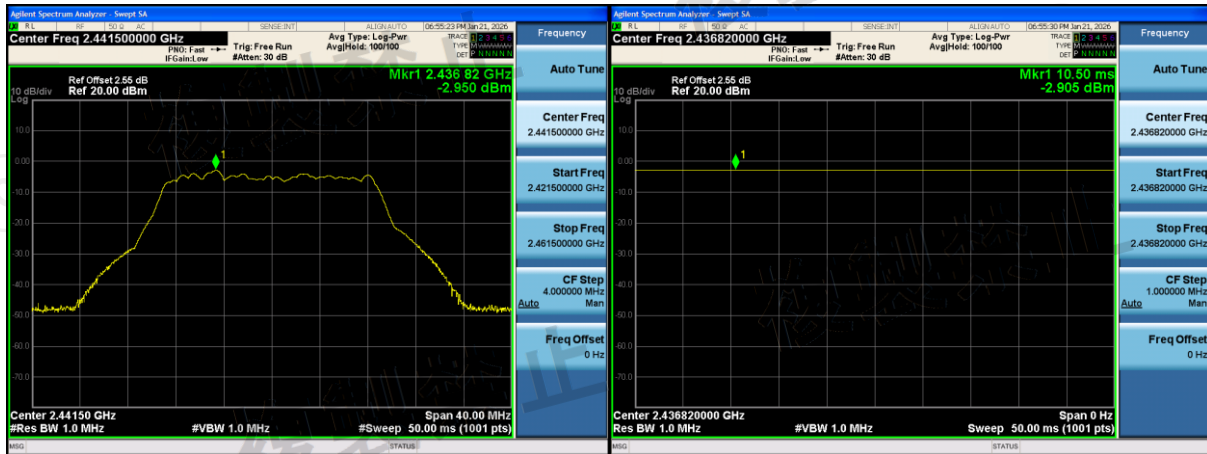


20MHz

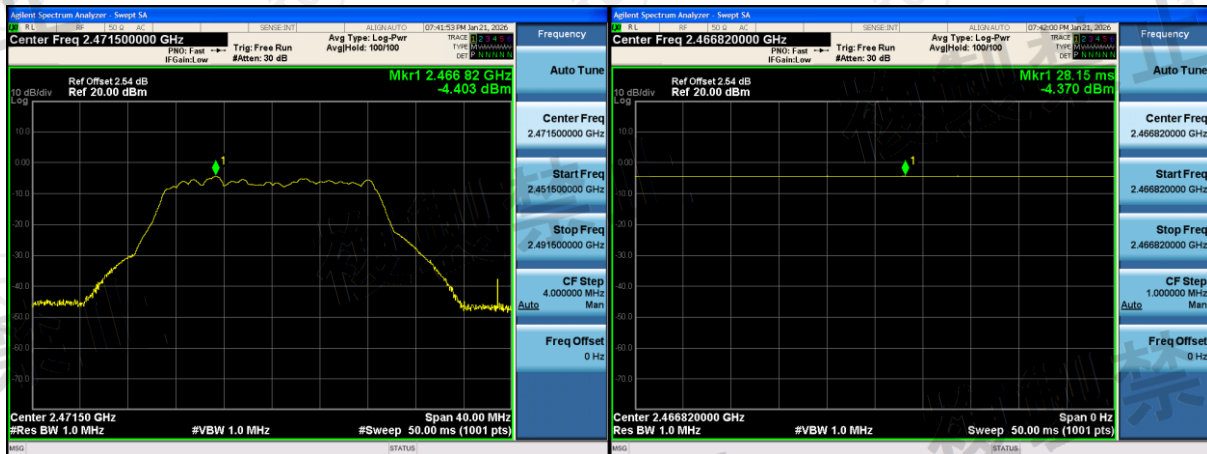
Lowest channel



Middle channel

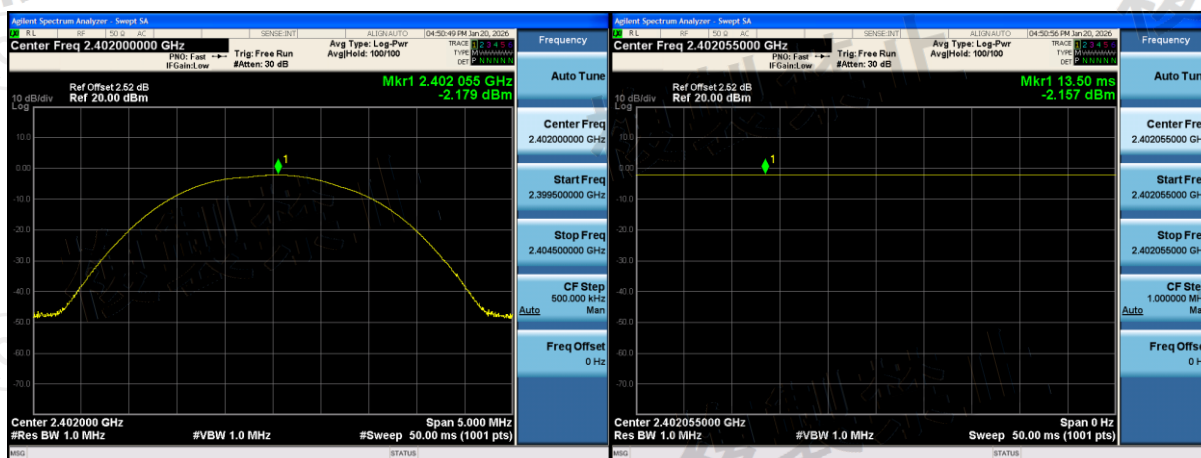


Highest channel

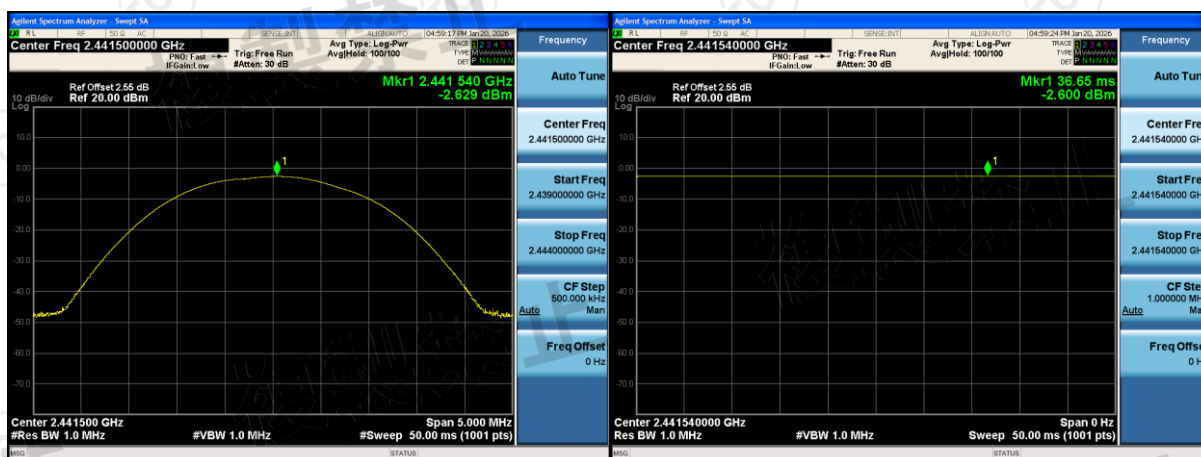


64QAM:
1.4MHz

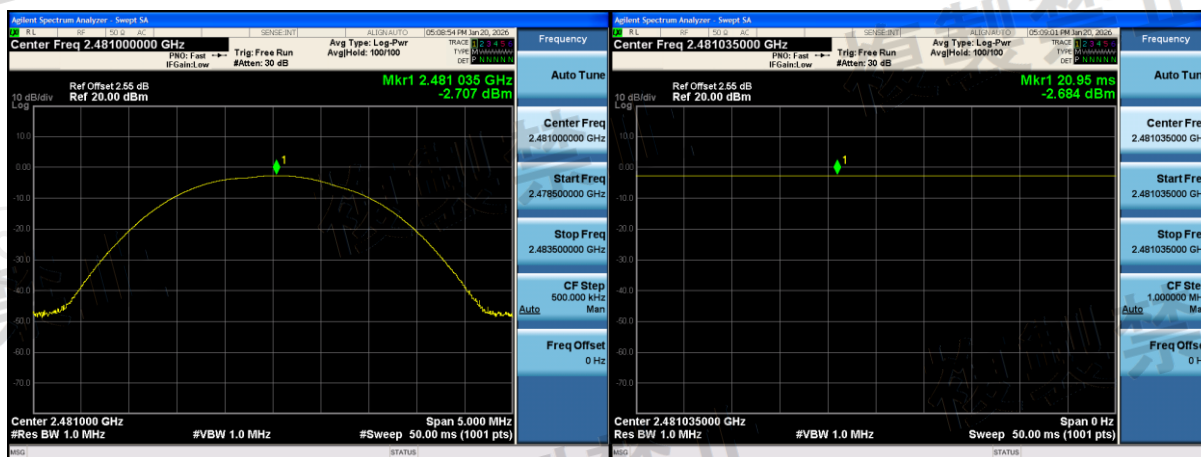
Lowest channel



Middle channel

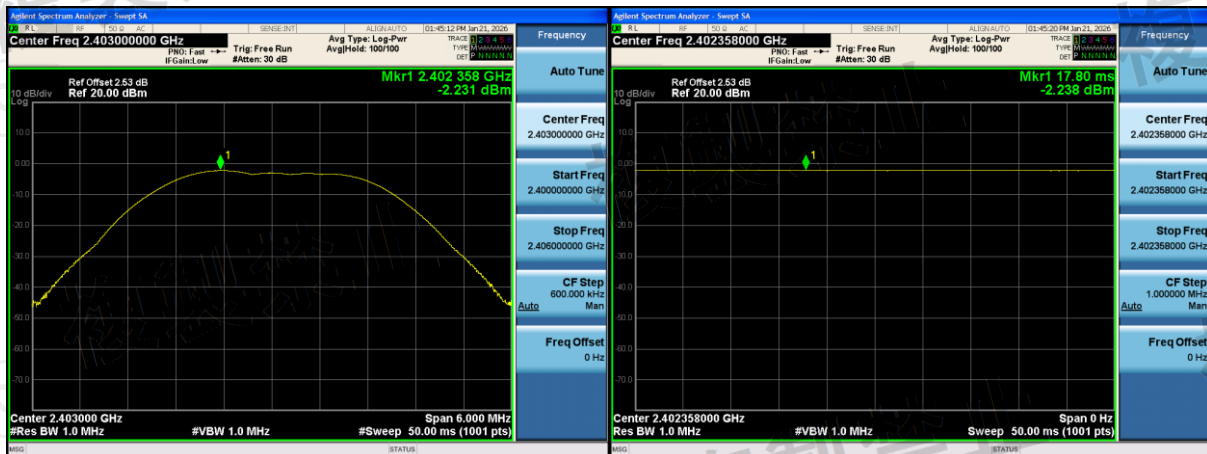


Highest channel

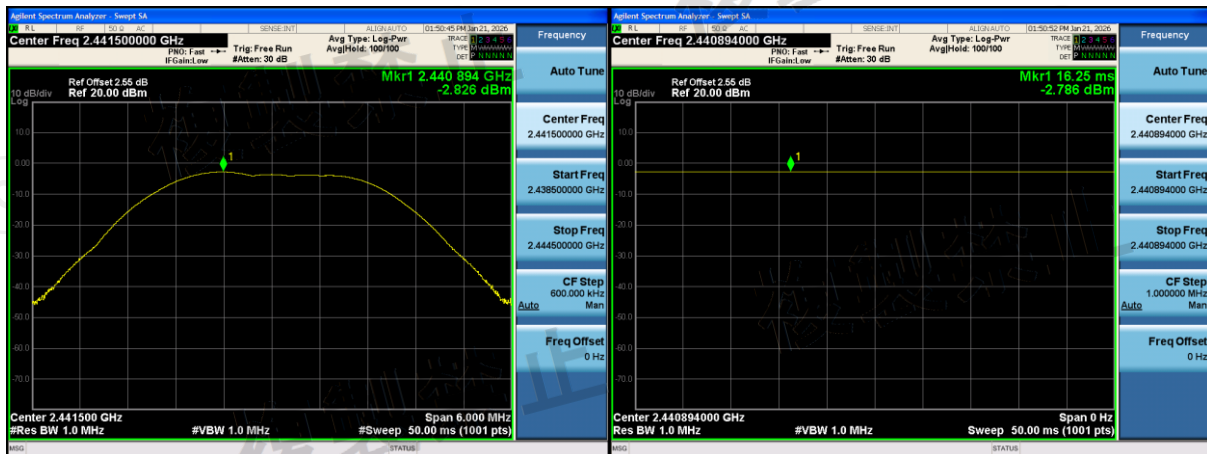


3MHz

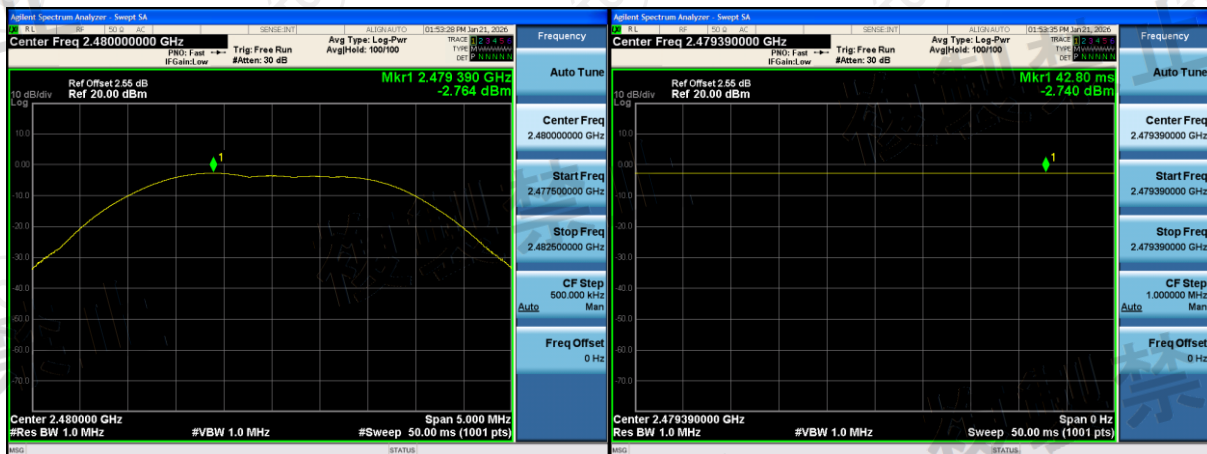
Lowest channel



Middle channel



Highest channel

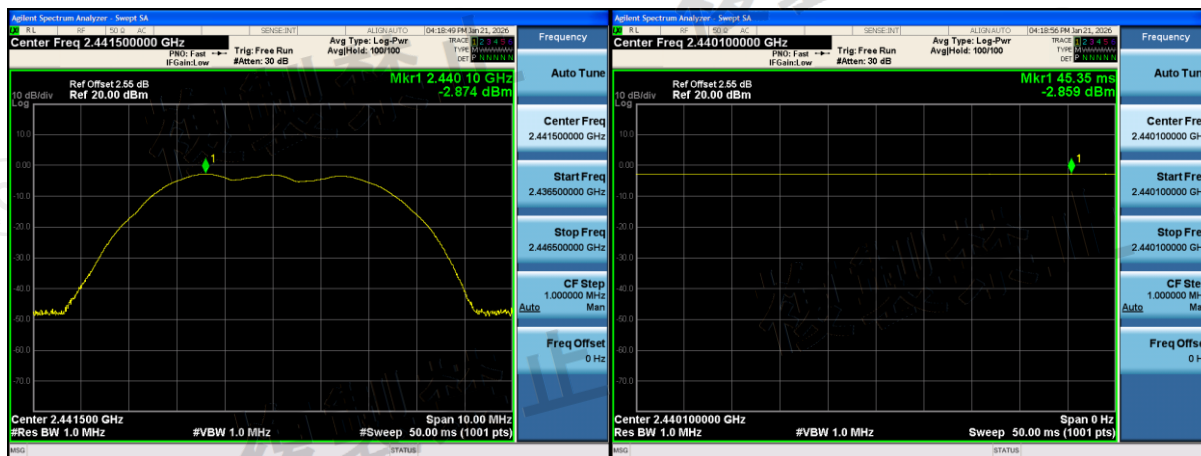


5MHz

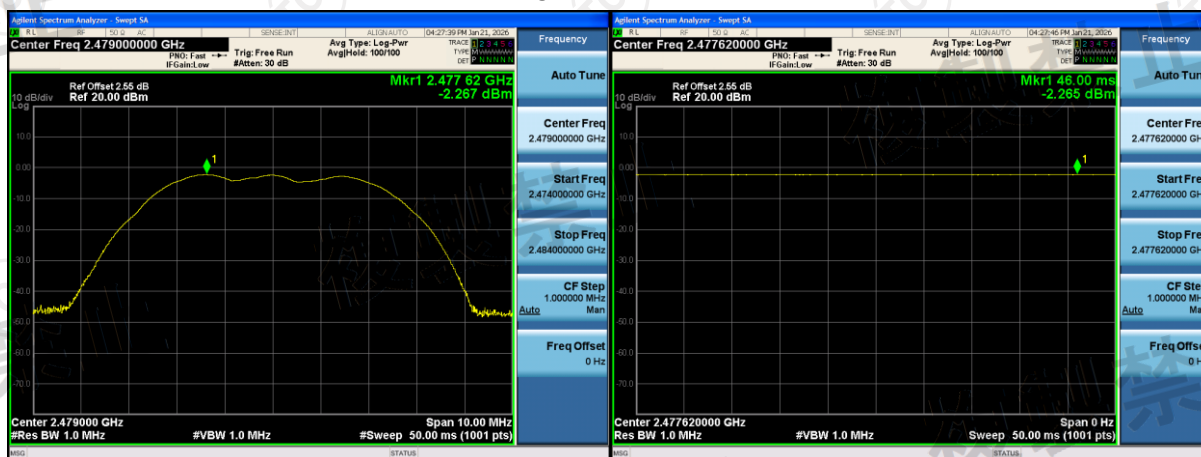
Lowest channel



Middle channel

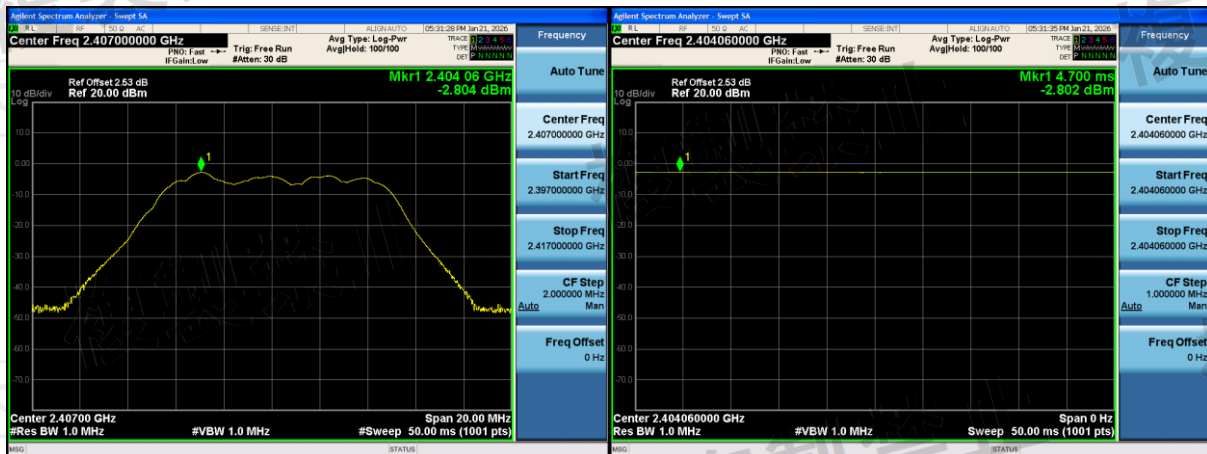


Highest channel

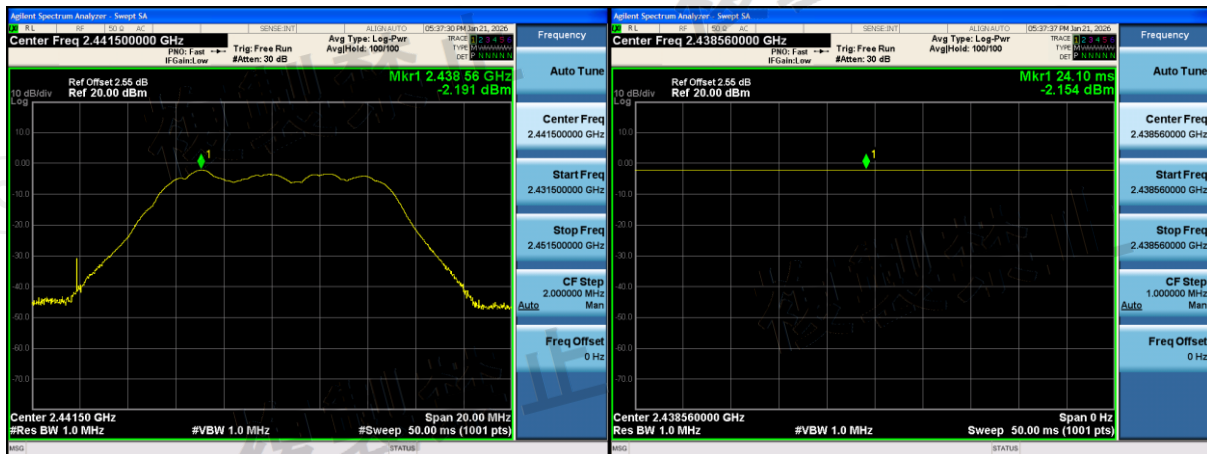


10MHz

Lowest channel



Middle channel

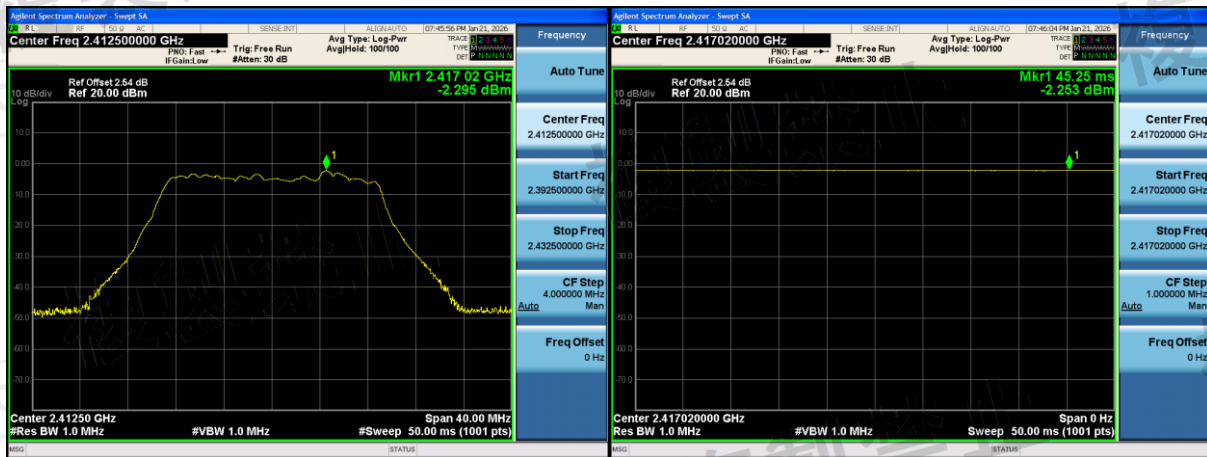


Highest channel

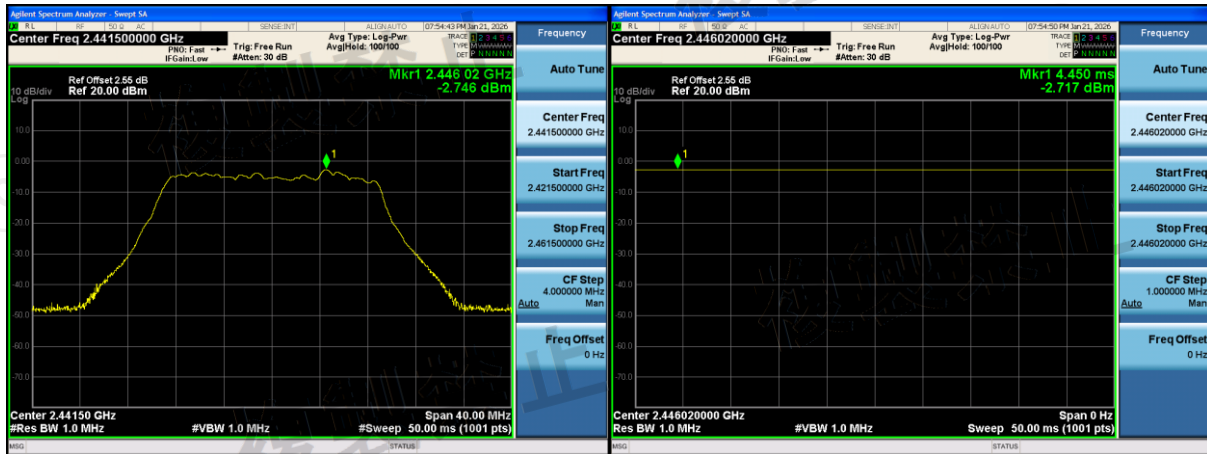


20MHz

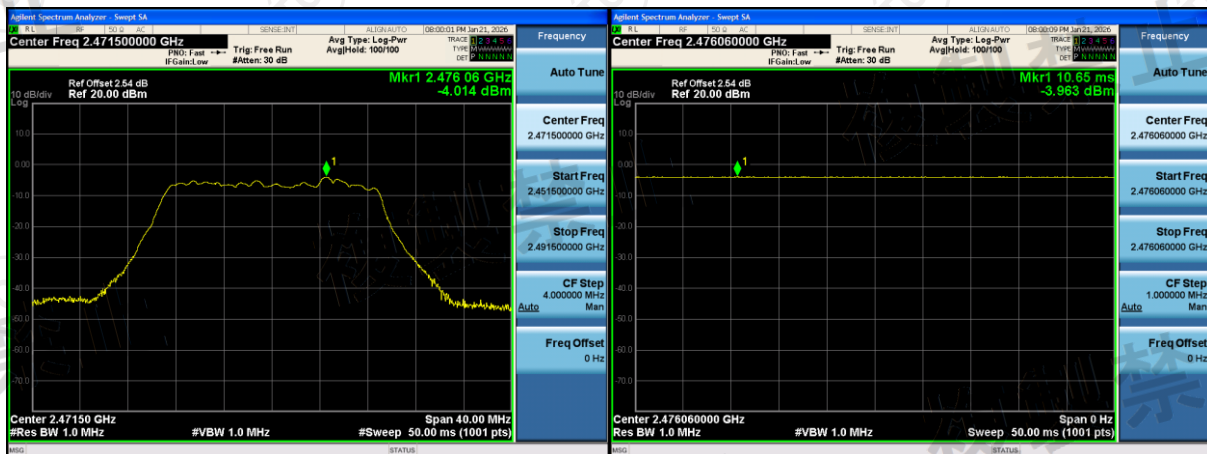
Lowest channel



Middle channel



Highest channel



EIRP Power QPSK:

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
1.4MHz	Low	-2.55	14	11.45	12.14	PASS
	Mid	-1.88	14	12.12		PASS
	High	-1.96	14	12.04		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
3MHz	Low	-2.77	14	11.23	12.14	PASS
	Mid	-2.16	14	11.84		PASS
	High	-2.25	14	11.75		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
5MHz	Low	-1.90	14	12.10	12.14	PASS
	Mid	-2.27	14	11.73		PASS
	High	-2.50	14	11.50		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
10MHz	Low	-2.25	14	11.75	12.14	PASS
	Mid	-2.60	14	11.40		PASS
	High	-2.80	14	11.20		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
20MHz	Low	-2.86	14	11.14	12.14	PASS
	Mid	-2.81	14	11.19		PASS
	High	-3.75	14	10.25		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

16QAM:

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
1.4MHz	Low	-2.06	14	11.94	12.14	PASS
	Mid	-2.54	14	11.46		PASS
	High	-2.62	14	11.38		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
3MHz	Low	-2.60	14	11.40	12.14	PASS
	Mid	-2.10	14	11.90		PASS
	High	-2.08	14	11.92		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
5MHz	Low	-1.89	14	12.11	12.14	PASS
	Mid	-2.37	14	11.63		PASS
	High	-2.61	14	11.39		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25℃						
10MHz	Low	-2.99	14	11.01	12.14	PASS
	Mid	-2.27	14	11.73		PASS
	High	-2.43	14	11.57		PASS
HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)						

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25℃						
20MHz	Low	-3.43	14	10.57	12.14	PASS
	Mid	-2.91	14	11.09		PASS
	High	-4.37	14	9.63		PASS
HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)						

64QAM:

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25℃						
1.4MHz	Low	-2.16	14	11.84	12.14	PASS
	Mid	-2.60	14	11.40		PASS
	High	-2.68	14	11.32		PASS
HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)						

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25℃						
3MHz	Low	-2.24	14	11.76	12.14	PASS
	Mid	-2.79	14	11.21		PASS
	High	-2.74	14	11.26		PASS
HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)						

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
5MHz	Low	-2.23	14	11.77	12.14	PASS
	Mid	-2.86	14	11.14		PASS
	High	-2.27	14	11.73		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
10MHz	Low	-2.80	14	11.20	12.14	PASS
	Mid	-2.15	14	11.85		PASS
	High	-2.33	14	11.67		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

Test Condition	Channel	Antenna Power (dBm/MHz)	Antenna Gain(dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
12V, 25°C						
20MHz	Low	-2.25	14	11.75	12.14	PASS
	Mid	-2.72	14	11.28		PASS
	High	-3.96	14	10.04		PASS

HPBA=360°, when A = 1. EIRP = Antenna Power (dBm) + Antenna Gain(dBi)

6.5. Spurious radiation or extraneous emission strength

6.5.1. Test Specification

Test Requirement:	Article 2 paragraph 1 item 19
Test Method:	Appendix No.43 Notification No.88 of MIC, 2004 section 5
Limit:	30MHz~1000MHz: 2.5μW/MHz (-26dBm) 1000MHz~2387MHz: 2.5μW/MHz (-26dBm) 2387MHz~2400MHz: 25μW/MHz (-16dBm) 2483.5MHz~2496.5MHz: 25μW/MHz (-16dBm) 2496.5MHz~12.75GHz: 2.5μW/MHz (-26dBm)
Test Setup:	 Spectrum Analyzer EUT
Test Procedure:	1. EUT have transmitted the maximum modulation signal and fixed channelize. 2. Setting of SA is following as: VBW: 1MHz RBW: 1MHz / VBW: 1MHz/ Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold. EUT have transmitted the maximum modulation signal and fixed channel.
Test Result:	PASS

6.5.2. Test Data

QPSK:

1.4MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	856.44	-52.64	10	-42.64	0.054	2.5	PASS
		1000-2387	2185.90	-40.81	/	-40.81	0.083	2.5	
		2387-2400	2400.00	-21.32	/	-21.32	7.379	25	
		2483.5-2496.5	2495.60	-41.06	/	-41.06	0.078	25	
		2496.5-13000	12454.00	-37.75	/	-37.75	0.168	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	580.96	-53.11	10	-43.11	0.049	2.5	PASS
		1000-2387	2169.20	-41.32	/	-41.32	0.074	2.5	
		2387-2400	2399.60	-40.20	/	-40.20	0.095	25	
		2483.5-2496.5	2492.95	-42.13	/	-42.13	0.061	25	
		2496.5-13000	3599.00	-37.86	/	-37.86	0.164	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	855.47	-52.75	10	-42.75	0.053	2.5	PASS
		1000-2387	2384.20	-41.74	/	-41.74	0.067	2.5	
		2387-2400	2396.97	-42.18	/	-42.18	0.061	25	
		2483.5-2496.5	2483.89	-40.43	/	-40.43	0.091	25	
		2496.5-13000	3599.00	-37.19	/	-37.19	0.191	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

3MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	738.10	-52.65	10	-42.65	0.054	2.5	PASS
		1000-2387	2174.80	-42.24	/	-42.24	0.060	2.5	
		2387-2400	2399.95	-36.29	/	-36.29	0.235	25	
		2483.5-2496.5	2485.76	-42.16	/	-42.16	0.061	25	
		2496.5-13000	12611.00	-37.26	/	-37.26	0.188	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	565.44	-50.01	10	-40.01	0.100	2.5	PASS
		1000-2387	2305.20	-41.08	/	-41.08	0.078	2.5	
		2387-2400	2389.63	-41.66	/	-41.66	0.068	25	
		2483.5-2496.5	2484.07	-42.44	/	-42.44	0.057	25	
		2496.5-13000	12454.00	-37.14	/	-37.14	0.193	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	745.86	-52.63	10	-42.63	0.055	2.5	PASS
		1000-2387	2183.10	-40.98	/	-40.98	0.080	2.5	
		2387-2400	2395.58	-41.58	/	-41.58	0.070	25	
		2483.5-2496.5	2483.86	-41.68	/	-41.68	0.068	25	
		2496.5-13000	12643.00	-37.62	/	-37.62	0.173	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

5MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	517.91	-46.48	10	-36.48	0.225	2.5	PASS
		1000-2387	2263.60	-41.49	/	-41.49	0.071	2.5	
		2387-2400	2399.96	-20.73	/	-20.73	8.453	25	
		2483.5-2496.5	2495.82	-42.09	/	-42.09	0.062	25	
		2496.5-13000	12044.00	-37.76	/	-37.76	0.167	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	895.24	-52.20	10	-42.20	0.060	2.5	PASS
		1000-2387	2179.00	-41.39	/	-41.39	0.073	2.5	
		2387-2400	2395.81	-41.39	/	-41.39	0.073	25	
		2483.5-2496.5	2486.22	-41.67	/	-41.67	0.068	25	
		2496.5-13000	12580.00	-37.67	/	-37.67	0.171	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	422.85	-50.65	10	-40.65	0.086	2.5	PASS
		1000-2387	2119.30	-40.54	/	-40.54	0.088	2.5	
		2387-2400	2388.78	-41.55	/	-41.55	0.070	25	
		2483.5-2496.5	2483.50	-31.06	/	-31.06	0.783	25	
		2496.5-13000	12611.00	-37.21	/	-37.21	0.190	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

10MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	885.54	-52.54	10	-42.54	0.056	2.5	PASS
		1000-2387	2314.90	-39.06	/	-39.06	0.124	2.5	
		2387-2400	2399.99	-30.86	/	-30.86	0.820	25	
		2483.5-2496.5	2489.03	-37.91	/	-37.91	0.162	25	
		2496.5-13000	11897.00	-36.86	/	-36.86	0.206	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	906.88	-52.79	10	-42.79	0.053	2.5	PASS
		1000-2387	2174.80	-40.52	/	-40.52	0.089	2.5	
		2387-2400	2388.30	-35.35	/	-35.35	0.292	25	
		2483.5-2496.5	2494.78	-36.42	/	-36.42	0.228	25	
		2496.5-13000	3599.00	-36.76	/	-36.76	0.211	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	780.78	-53.16	10	-43.16	0.048	2.5	PASS
		1000-2387	2341.20	-41.09	/	-41.09	0.078	2.5	
		2387-2400	2394.01	-38.38	/	-38.38	0.145	25	
		2483.5-2496.5	2484.09	-33.05	/	-33.05	0.495	25	
		2496.5-13000	3599.00	-36.73	/	-36.73	0.212	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

20MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	900.09	-52.33	10	-42.33	0.058	2.5	PASS
		1000-2387	2213.60	-39.64	/	-39.64	0.109	2.5	
		2387-2400	2400.00	-17.61	/	-17.61	17.338	25	
		2483.5-2496.5	2491.69	-39.64	/	-39.64	0.109	25	
		2496.5-13000	12412.00	-37.45	/	-37.45	0.180	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	789.51	-52.08	10	-42.08	0.062	2.5	PASS
		1000-2387	2298.20	-40.36	/	-40.36	0.092	2.5	
		2387-2400	2390.93	-39.81	/	-39.81	0.104	25	
		2483.5-2496.5	2491.13	-34.16	/	-34.16	0.384	25	
		2496.5-13000	12380.00	-37.58	/	-37.58	0.175	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	970.90	-52.67	10	-42.67	0.054	2.5	PASS
		1000-2387	2151.20	-39.38	/	-39.38	0.115	2.5	
		2387-2400	2391.91	-37.33	/	-37.33	0.185	25	
		2483.5-2496.5	2483.51	-24.76	/	-24.76	3.342	25	
		2496.5-13000	12443.00	-36.80	/	-36.80	0.209	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

16QAM:

1.4MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	756.53	-52.69	10	-42.69	0.054	2.5	PASS
		1000-2387	2283.00	-40.74	/	-40.74	0.084	2.5	
		2387-2400	2400.00	-23.66	/	-23.66	4.305	25	
		2483.5-2496.5	2495.16	-39.96	/	-39.96	0.101	25	
		2496.5-13000	11918.00	-37.36	/	-37.36	0.184	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	761.38	-53.01	10	-43.01	0.050	2.5	PASS
		1000-2387	2206.70	-41.22	/	-41.22	0.076	2.5	
		2387-2400	2390.03	-42.26	/	-42.26	0.059	25	
		2483.5-2496.5	2484.90	-42.15	/	-42.15	0.061	25	
		2496.5-13000	3599.00	-37.51	/	-37.51	0.177	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	521.79	-46.41	10	-36.41	0.229	2.5	PASS
		1000-2387	2299.60	-40.35	/	-40.35	0.092	2.5	
		2387-2400	2395.50	-42.51	/	-42.51	0.056	25	
		2483.5-2496.5	2483.51	-40.26	/	-40.26	0.094	25	
		2496.5-13000	3599.00	-38.02	/	-38.02	0.158	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

3MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	482.02	-49.33	10	-39.33	0.117	2.5	PASS
		1000-2387	2310.70	-41.31	/	-41.31	0.074	2.5	
		2387-2400	2400.00	-34.52	/	-34.52	0.353	25	
		2483.5-2496.5	2491.04	-41.94	/	-41.94	0.064	25	
		2496.5-13000	12422.00	-37.65	/	-37.65	0.172	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	580.96	-49.06	10	-39.06	0.124	2.5	PASS
		1000-2387	2213.60	-41.34	/	-41.34	0.073	2.5	
		2387-2400	2399.06	-41.96	/	-41.96	0.064	25	
		2483.5-2496.5	2484.59	-41.86	/	-41.86	0.065	25	
		2496.5-13000	11939.00	-36.36	/	-36.36	0.231	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	480.08	-48.16	10	-38.16	0.153	2.5	PASS
		1000-2387	2213.60	-40.89	/	-40.89	0.081	2.5	
		2387-2400	2399.52	-41.92	/	-41.92	0.064	25	
		2483.5-2496.5	2483.64	-40.00	/	-40.00	0.100	25	
		2496.5-13000	12517.00	-37.87	/	-37.87	0.163	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

5MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	903.97	-52.99	10	-42.99	0.050	2.5	PASS
		1000-2387	2259.40	-41.02	/	-41.02	0.079	2.5	
		2387-2400	2400.00	-24.14	/	-24.14	3.855	25	
		2483.5-2496.5	2486.44	-40.51	/	-40.51	0.089	25	
		2496.5-13000	12443.00	-37.42	/	-37.42	0.181	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	476.20	-48.54	10	-38.54	0.140	2.5	PASS
		1000-2387	2240.00	-41.29	/	-41.29	0.074	2.5	
		2387-2400	2396.49	-42.34	/	-42.34	0.058	25	
		2483.5-2496.5	2495.77	-41.84	/	-41.84	0.065	25	
		2496.5-13000	11939.00	-37.20	/	-37.20	0.191	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	446.13	-50.43	10	-40.43	0.091	2.5	PASS
		1000-2387	2056.90	-41.35	/	-41.35	0.073	2.5	
		2387-2400	2396.33	-41.72	/	-41.72	0.067	25	
		2483.5-2496.5	2483.51	-38.70	/	-38.70	0.135	25	
		2496.5-13000	12422.00	-37.58	/	-37.58	0.175	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

10MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	854.50	-52.84	10	-42.84	0.052	2.5	PASS
		1000-2387	2215.00	-40.85	/	-40.85	0.082	2.5	
		2387-2400	2400.00	-25.64	/	-25.64	2.729	25	
		2483.5-2496.5	2495.89	-40.63	/	-40.63	0.086	25	
		2496.5-13000	12590.00	-36.69	/	-36.69	0.214	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	835.10	-52.83	10	-42.83	0.052	2.5	PASS
		1000-2387	2248.30	-40.92	/	-40.92	0.081	2.5	
		2387-2400	2392.07	-41.39	/	-41.39	0.073	25	
		2483.5-2496.5	2495.97	-41.93	/	-41.93	0.064	25	
		2496.5-13000	11887.00	-37.58	/	-37.58	0.175	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	933.07	-52.84	10	-42.84	0.052	2.5	PASS
		1000-2387	2281.60	-40.61	/	-40.61	0.087	2.5	
		2387-2400	2391.97	-41.05	/	-41.05	0.079	25	
		2483.5-2496.5	2483.51	-25.42	/	-25.42	2.871	25	
		2496.5-13000	11971.00	-37.95	/	-37.95	0.160	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

20MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	978.66	-52.44	10	-42.44	0.057	2.5	PASS
		1000-2387	2216.40	-40.50	/	-40.50	0.089	2.5	
		2387-2400	2400.00	-17.36	/	-17.36	18.365	25	
		2483.5-2496.5	2496.11	-40.83	/	-40.83	0.083	25	
		2496.5-13000	11855.00	-37.45	/	-37.45	0.180	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	593.57	-50.94	10	-40.94	0.081	2.5	PASS
		1000-2387	2194.20	-41.23	/	-41.23	0.075	2.5	
		2387-2400	2389.02	-40.88	/	-40.88	0.082	25	
		2483.5-2496.5	2492.76	-41.34	/	-41.34	0.073	25	
		2496.5-13000	12506.00	-37.14	/	-37.14	0.193	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	848.68	-52.77	10	-42.77	0.053	2.5	PASS
		1000-2387	2109.60	-40.38	/	-40.38	0.092	2.5	
		2387-2400	2397.80	-38.21	/	-38.21	0.151	25	
		2483.5-2496.5	2483.51	-16.82	/	-16.82	20.797	25	
		2496.5-13000	9376.00	-37.87	/	-37.87	0.163	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

64QAM:

1.4MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	558.65	-49.91	10	-39.91	0.102	2.5	PASS
		1000-2387	2126.20	-41.61	/	-41.61	0.069	2.5	
		2387-2400	2400.00	-25.95	/	-25.95	2.541	25	
		2483.5-2496.5	2488.49	-42.45	/	-42.45	0.057	25	
		2496.5-13000	12464.00	-37.84	/	-37.84	0.164	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	809.88	-52.06	10	-42.06	0.062	2.5	PASS
		1000-2387	2251.10	-41.95	/	-41.95	0.064	2.5	
		2387-2400	2394.85	-42.14	/	-42.14	0.061	25	
		2483.5-2496.5	2496.08	-41.61	/	-41.61	0.069	25	
		2496.5-13000	3599.00	-37.31	/	-37.31	0.186	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25℃	30-1000	926.28	-52.48	10	-42.48	0.056	2.5	PASS
		1000-2387	2141.50	-41.58	/	-41.58	0.070	2.5	
		2387-2400	2391.80	-42.42	/	-42.42	0.057	25	
		2483.5-2496.5	2483.54	-41.38	/	-41.38	0.073	25	
		2496.5-13000	11971.00	-37.60	/	-37.60	0.174	2.5	
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = 10*log10(Reference bandwidth/RBW at measurement) =10[dB], where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz									

3MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	599.39	-50.70	10	-40.70	0.085	2.5	PASS
		1000-2387	2219.20	-41.52	/	-41.52	0.070	2.5	
		2387-2400	2399.94	-34.90	/	-34.90	0.324	25	
		2483.5-2496.5	2495.71	-40.42	/	-40.42	0.091	25	
		2496.5-13000	11887.00	-37.64	/	-37.64	0.172	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	831.22	-43.81	10	-33.81	0.416	2.5	PASS
		1000-2387	2310.70	-41.36	/	-41.36	0.073	2.5	
		2387-2400	2391.75	-42.00	/	-42.00	0.063	25	
		2483.5-2496.5	2495.84	-41.33	/	-41.33	0.074	25	
		2496.5-13000	12422.00	-36.76	/	-36.76	0.211	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	533.43	-47.81	10	-37.81	0.166	2.5	PASS
		1000-2387	2212.20	-41.03	/	-41.03	0.079	2.5	
		2387-2400	2399.62	-41.57	/	-41.57	0.070	25	
		2483.5-2496.5	2483.57	-40.75	/	-40.75	0.084	25	
		2496.5-13000	12653.00	-37.54	/	-37.54	0.176	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

5MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	762.35	-51.98	10	-41.98	0.063	2.5	PASS
		1000-2387	2199.80	-40.89	/	-40.89	0.081	2.5	
		2387-2400	2400.00	-25.51	/	-25.51	2.812	25	
		2483.5-2496.5	2488.91	-40.04	/	-40.04	0.099	25	
		2496.5-13000	11950.00	-36.58	/	-36.58	0.220	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	837.04	-52.57	10	-42.57	0.055	2.5	PASS
		1000-2387	2288.50	-40.49	/	-40.49	0.089	2.5	
		2387-2400	2399.96	-40.08	/	-40.08	0.098	25	
		2483.5-2496.5	2495.99	-40.03	/	-40.03	0.099	25	
		2496.5-13000	11929.00	-36.63	/	-36.63	0.217	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	796.30	-53.14	10	-43.14	0.049	2.5	PASS
		1000-2387	2220.60	-40.66	/	-40.66	0.086	2.5	
		2387-2400	2398.36	-40.77	/	-40.77	0.084	25	
		2483.5-2496.5	2483.68	-35.36	/	-35.36	0.291	25	
		2496.5-13000	12412.00	-36.91	/	-36.91	0.204	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

10MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	616.85	-50.84	10	-40.84	0.082	2.5	PASS
		1000-2387	2208.10	-40.67	/	-40.67	0.086	2.5	
		2387-2400	2400.00	-18.81	/	-18.81	13.152	25	
		2483.5-2496.5	2485.00	-39.80	/	-39.80	0.105	25	
		2496.5-13000	3599.00	-37.82	/	-37.82	0.165	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	889.42	-52.61	10	-42.61	0.055	2.5	PASS
		1000-2387	2285.70	-40.91	/	-40.91	0.081	2.5	
		2387-2400	2397.23	-31.90	/	-31.90	0.646	25	
		2483.5-2496.5	2496.08	-41.09	/	-41.09	0.078	25	
		2496.5-13000	11897.00	-37.11	/	-37.11	0.195	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	509.18	-52.70	10	-42.70	0.054	2.5	PASS
		1000-2387	2387.00	-40.49	/	-40.49	0.089	2.5	
		2387-2400	2396.00	-35.46	/	-35.46	0.284	25	
		2483.5-2496.5	2483.51	-21.69	/	-21.69	6.776	25	
		2496.5-13000	12611.00	-37.41	/	-37.41	0.182	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

20MHz

Lowest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	821.52	-52.70	10	-42.70	0.054	2.5	PASS
		1000-2387	2170.60	-40.20	/	-40.20	0.095	2.5	
		2387-2400	2400.00	-18.83	/	-18.83	13.092	25	
		2483.5-2496.5	2491.44	-38.18	/	-38.18	0.152	25	
		2496.5-13000	12433.00	-37.43	/	-37.43	0.181	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Middle

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	457.77	-50.28	10	-40.28	0.094	2.5	PASS
		1000-2387	2281.60	-40.83	/	-40.83	0.083	2.5	
		2387-2400	2399.91	-40.38	/	-40.38	0.092	25	
		2483.5-2496.5	2490.01	-40.15	/	-40.15	0.097	25	
		2496.5-13000	12370.00	-37.98	/	-37.98	0.159	2.5	

Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Highest

Test Condition		Frequency Range (MHz)	Record Frequency (MHz)	Read Level (dBm)	Compensate for RBW(dB)	Result (dBm)	Result (μW/MHz)	Limit (μW/MHz)	Result
Volt. (dc)	Temp.								
12V	25°C	30-1000	481.05	-49.51	10	-39.51	0.112	2.5	PASS
		1000-2387	2296.80	-40.29	/	-40.29	0.094	2.5	
		2387-2400	2391.95	-36.51	/	-36.51	0.223	25	
		2483.5-2496.5	2483.50	-17.54	/	-17.54	17.620	25	
		2496.5-13000	11939.00	-35.81	/	-35.81	0.262	2.5	

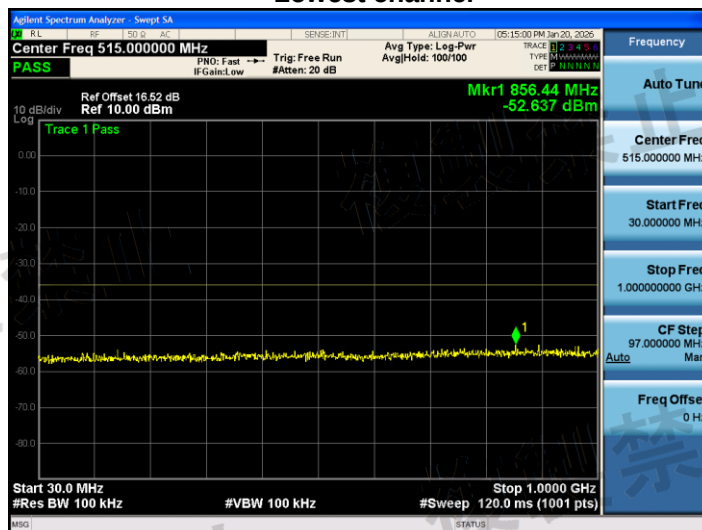
Compensate 10dB is for Exchange rate of RBW, Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = 10[\text{dB}]$, where Reference bandwidth = 1 MHz, RBW at measurement = 100 kHz

Test plots as follows:

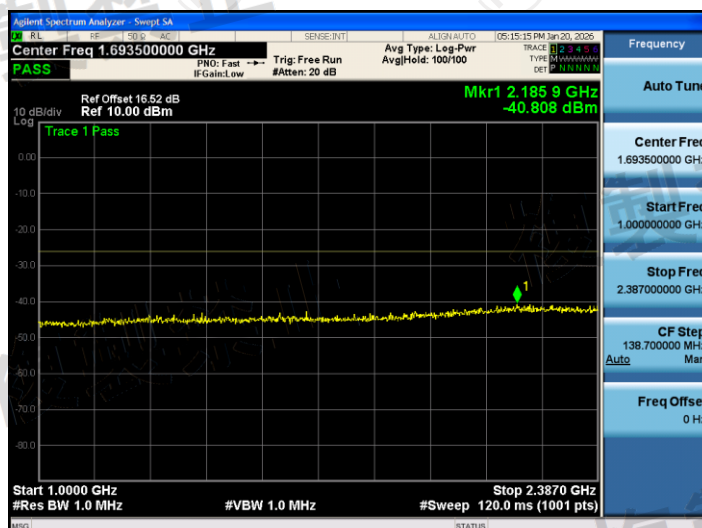
QPSK:
1.4MHz

Report No.: TCT260109E028

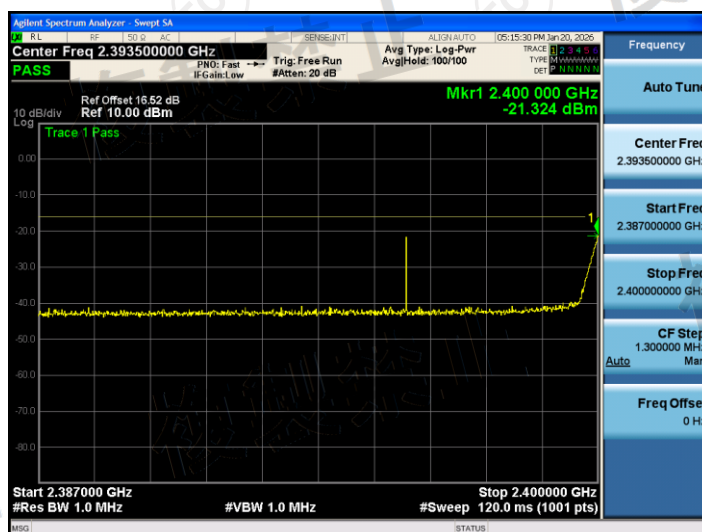
Lowest channel



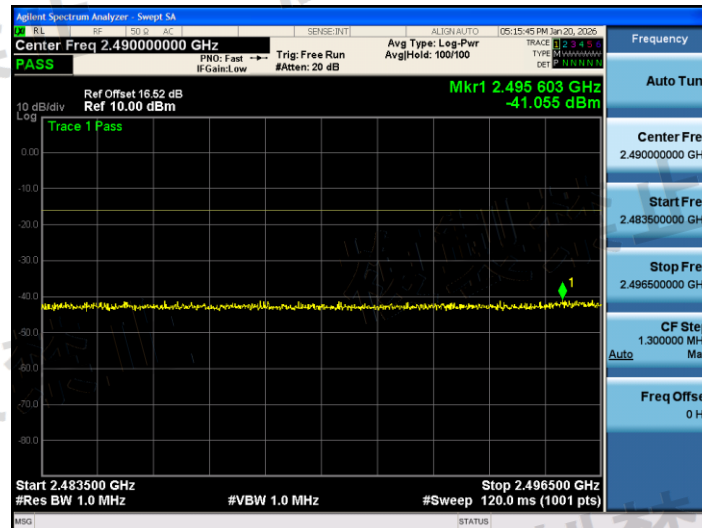
30 MHz – 1000 MHz



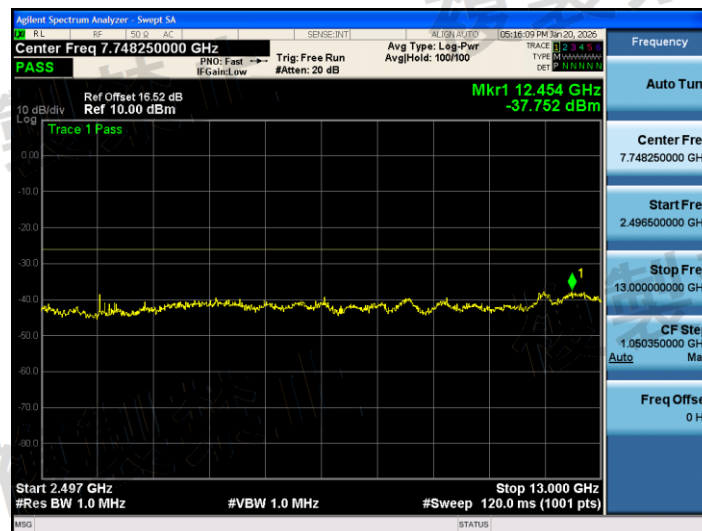
1000 MHz – 2387 MHz



2387 MHz – 2400 MHz



2483.5 MHz – 2496.5 MHz



2496.5 MHz – 13000 MHz