



Appendix Q

RF Test Data for 6GWIFI (Conducted Measurement)

Product Name: Rugged Handheld Computer

Test Model: EA530

Environmental Conditions

Temperature:	24.4°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen





Test Result

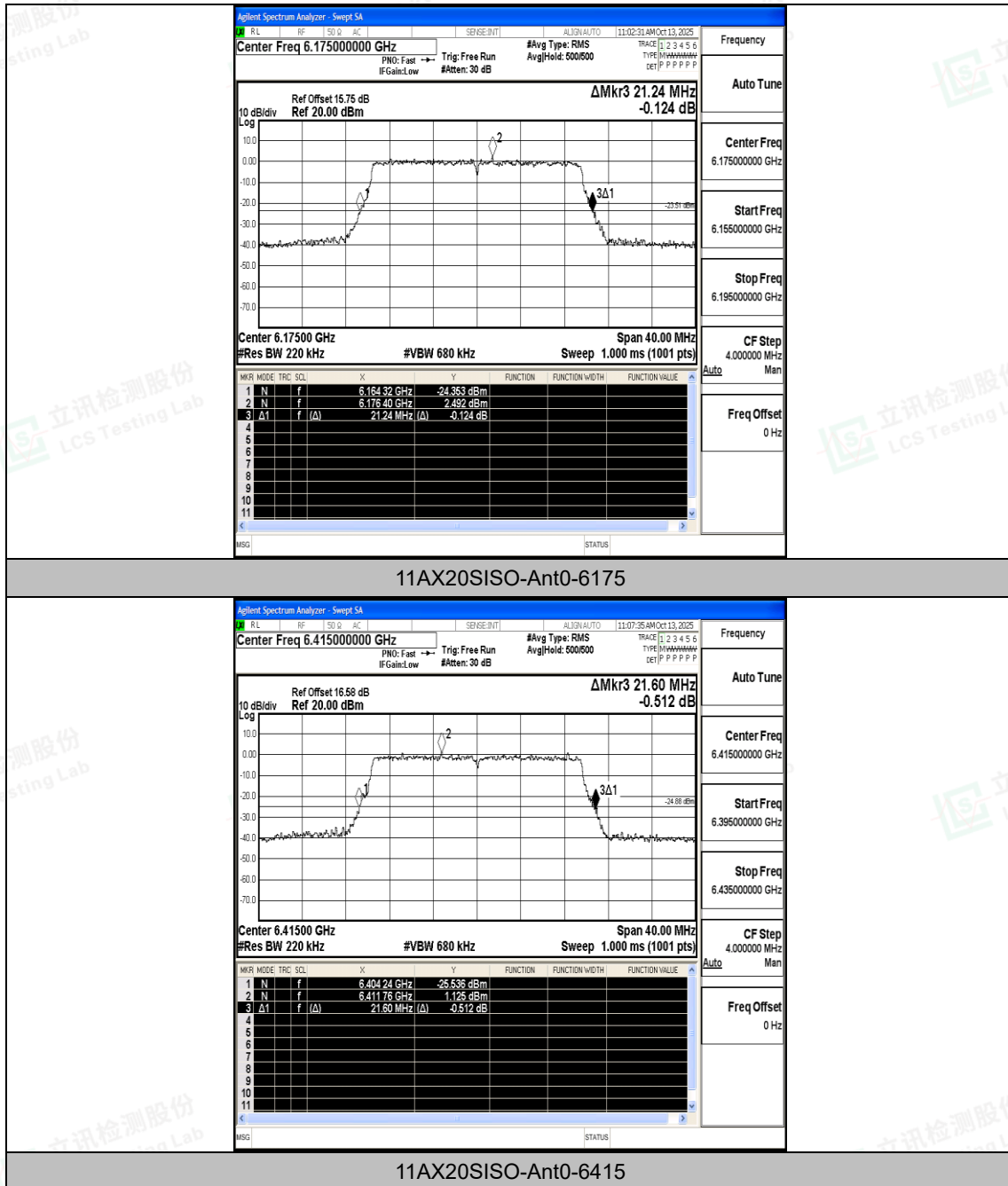
TestMode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant0	5955	21.680	5944.120	5965.800	---	---
11AX20SISO	Ant0	6175	21.240	6164.320	6185.560	---	---
11AX20SISO	Ant0	6415	21.600	6404.240	6425.840	---	---
11AX40SISO	Ant0	5965	40.160	5944.840	5985.000	---	---
11AX40SISO	Ant0	6165	40.000	6144.920	6184.920	---	---
11AX40SISO	Ant0	6405	40.080	6384.920	6425.000	---	---
11AX80SISO	Ant0	5985	81.440	5944.360	6025.800	---	---
11AX80SISO	Ant0	6145	81.280	6104.360	6185.640	---	---
11AX80SISO	Ant0	6385	81.120	6344.360	6425.480	---	---
11AX20SISO	Ant0	6435	21.600	6424.160	6445.760	---	---
11AX20SISO	Ant0	6475	21.400	6464.240	6485.640	---	---
11AX20SISO	Ant0	6515	21.680	6504.080	6525.760	---	---
11AX40SISO	Ant0	6445	40.160	6424.920	6465.080	---	---
11AX40SISO	Ant0	6485	40.000	6464.920	6504.920	---	---
11AX80SISO	Ant0	6465	80.960	6424.520	6505.480	---	---

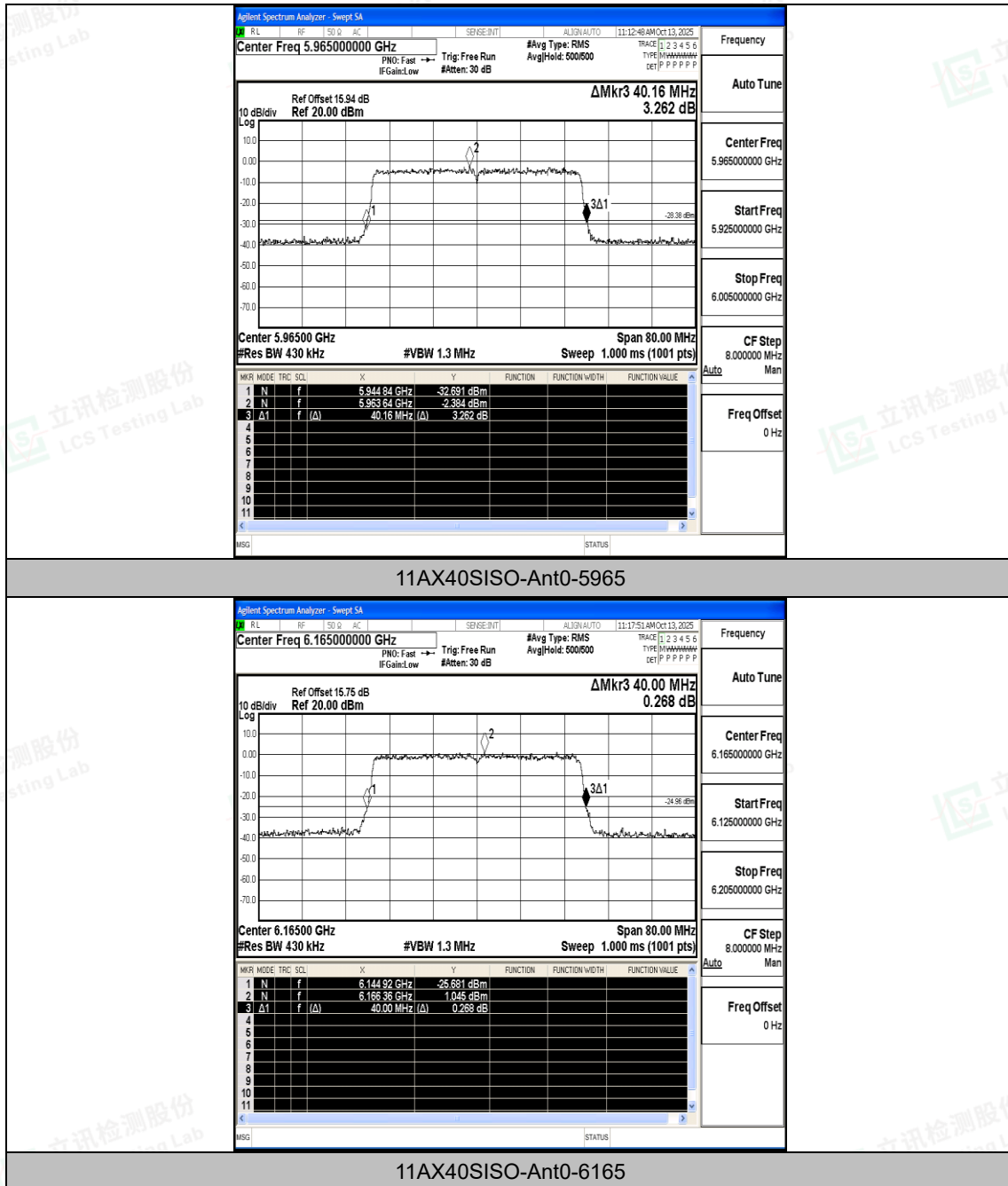
Center Freq 5.95500000 GHz
#Res BW 220 kHz
#VBW 680 kHz
Sweep 1.000 ms (1001 pts)
Span 40.00 MHz
Ref Offset 15.94 dB
Ref 20.00 dBm
ΔMkr3 21.68 MHz
0.009 dB

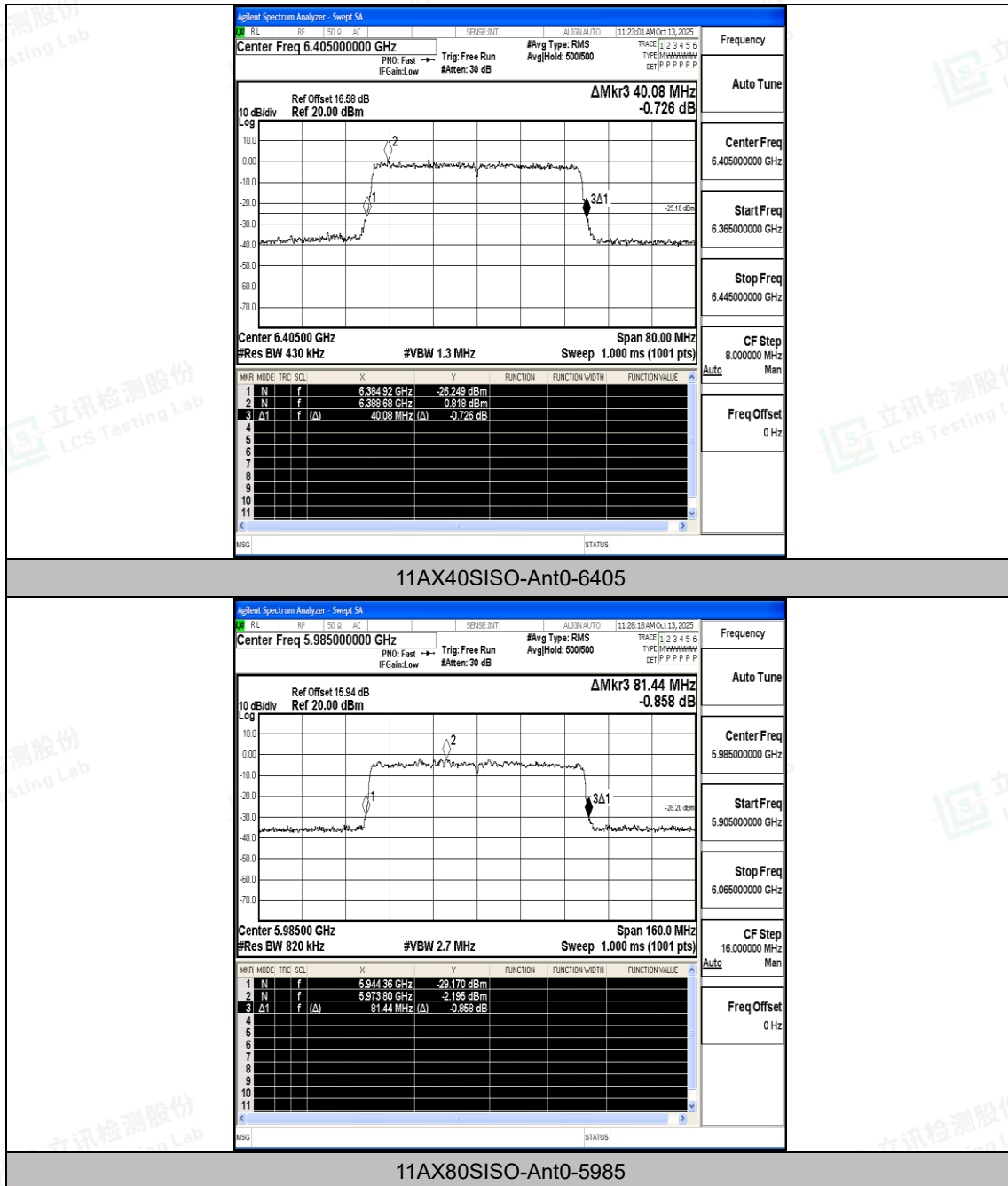
MKR	MODE	FREQ	PWR	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	-30.389 dBm			
2	N	f	-28.815 dBm			
3	Δ1	f (Δ)	21.68 MHz (Δ)			0.009 dB

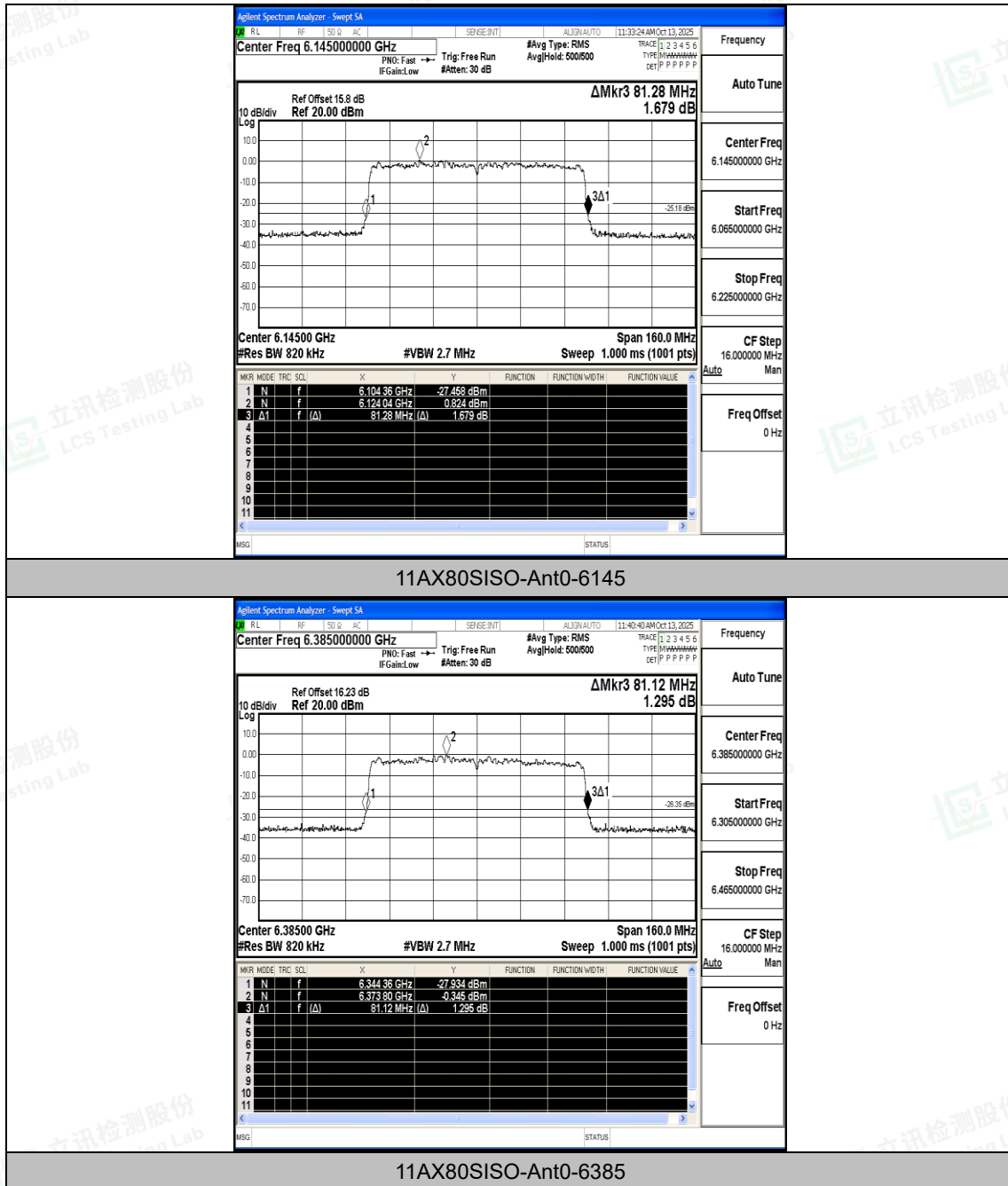


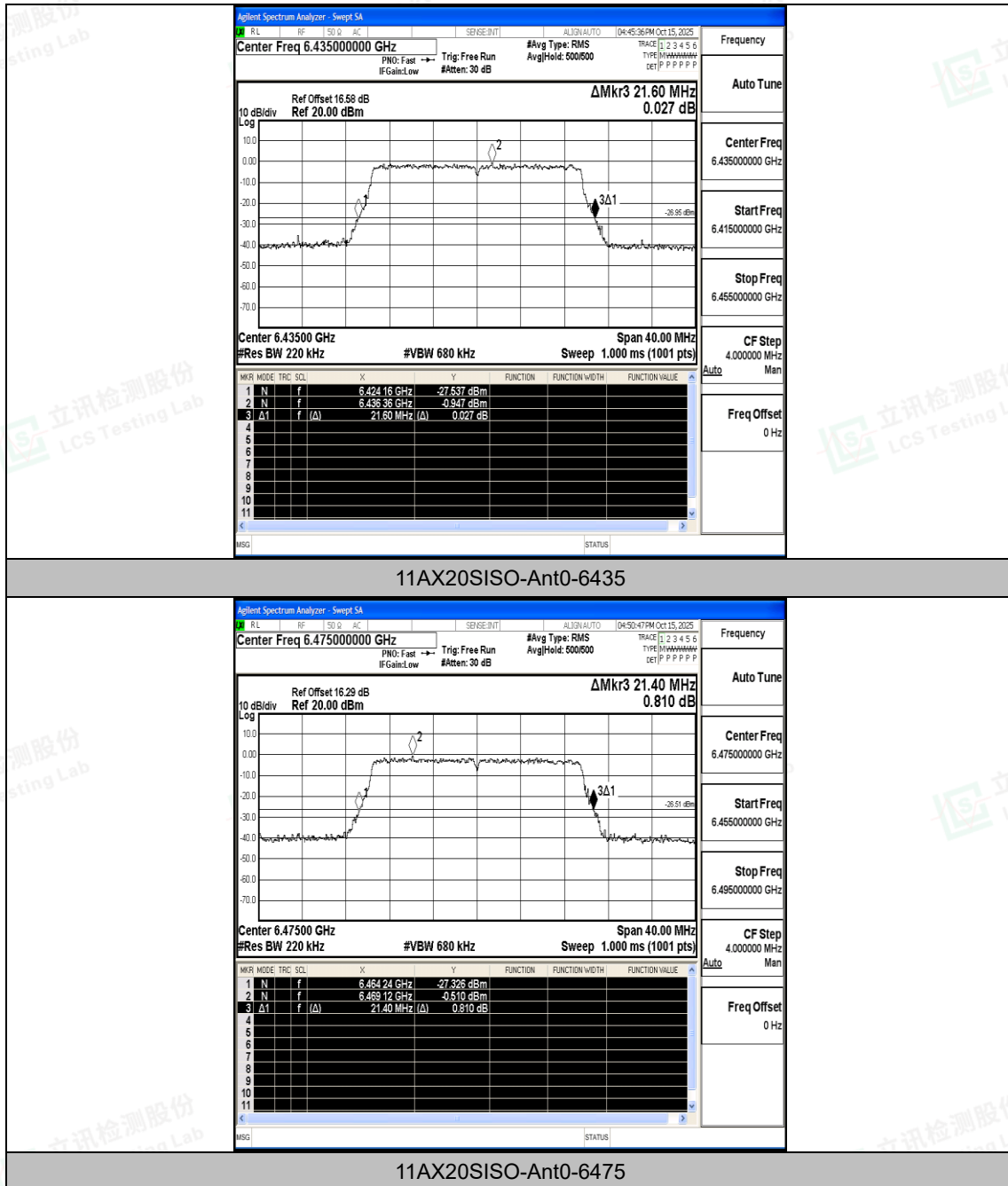
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

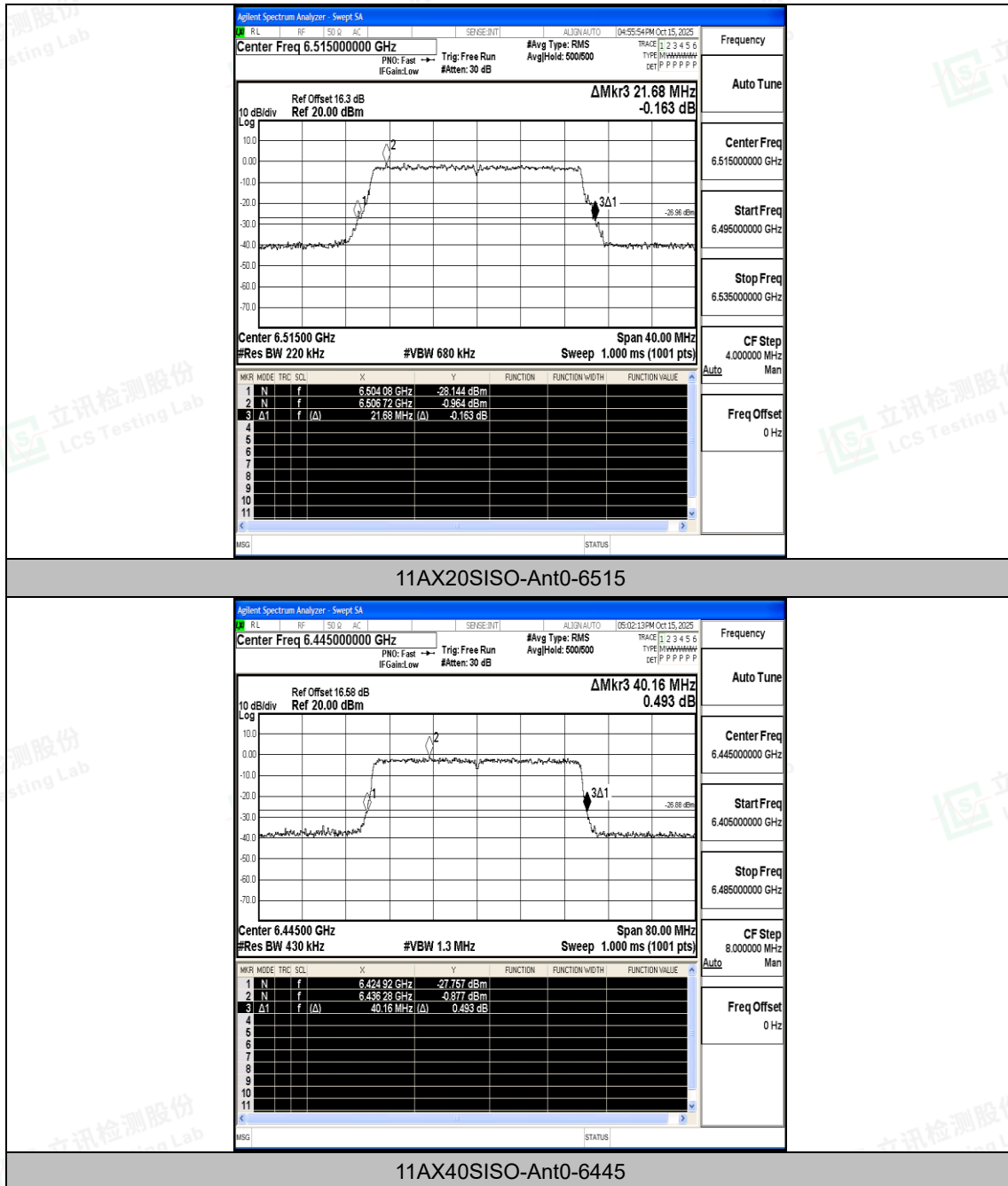


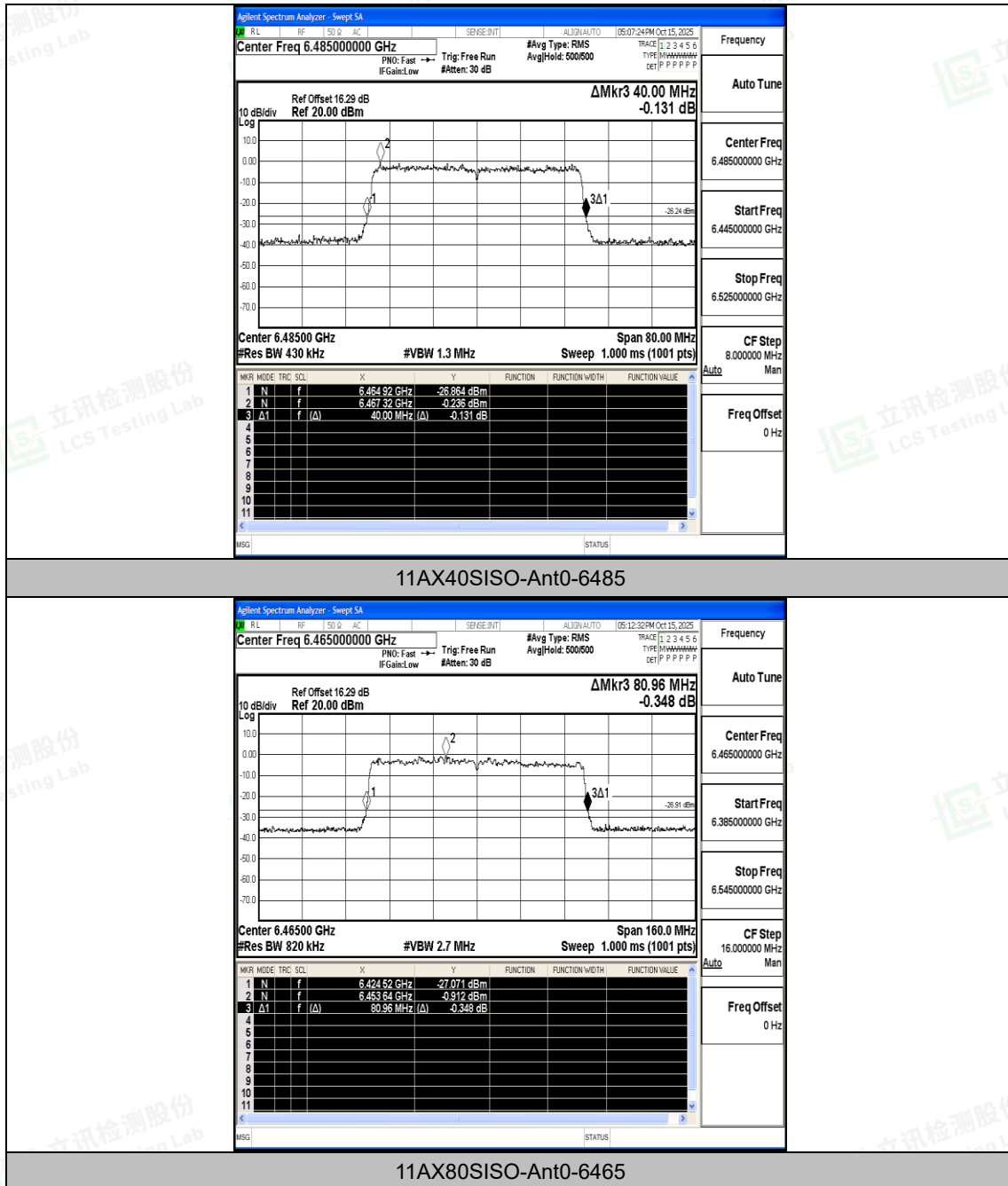














TestMode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20SISO	Ant1	5955	21.680	5944.240	5965.920	---	---
11AX20SISO	Ant1	6175	21.600	6164.200	6185.800	---	---
11AX20SISO	Ant1	6415	21.440	6404.280	6425.720	---	---
11AX40SISO	Ant1	5965	40.320	5944.840	5985.160	---	---
11AX40SISO	Ant1	6165	40.000	6145.000	6185.000	---	---
11AX40SISO	Ant1	6405	40.160	6384.840	6425.000	---	---
11AX80SISO	Ant1	5985	81.440	5944.360	6025.800	---	---
11AX80SISO	Ant1	6145	80.960	6104.520	6185.480	---	---
11AX80SISO	Ant1	6385	80.960	6344.520	6425.480	---	---
11AX20SISO	Ant1	6435	21.440	6424.280	6445.720	---	---
11AX20SISO	Ant1	6475	21.480	6464.240	6485.720	---	---
11AX20SISO	Ant1	6515	21.440	6504.320	6525.760	---	---
11AX40SISO	Ant1	6445	40.080	6424.840	6464.920	---	---
11AX40SISO	Ant1	6485	40.160	6464.760	6504.920	---	---
11AX80SISO	Ant1	6465	81.440	6424.200	6505.640	---	---

Agilent Spectrum Analyzer - Sweep SA

RL RF SD Q AC SENSE(BUT) ALIGN AUTO 12:10:59PM Oct 13, 2025

Center Freq 5.955000000 GHz #Avg Type: RMS PWD: Fast Trig: Free Run IF Gain: Low #Atten: 30 dB Avg/Hold: 500/500 TRACE [1] 2 3 4 5 6 TYPE Max/Mean/Cmin/Off P P P P P P

Ref Offset 15.94 dB Ref 20.00 dBm ΔMkr3 21.68 MHz -2.667 dB

Log

Auto Tune

Center Freq 5.955000000 GHz

Start Freq 5.935000000 GHz

Stop Freq 5.975000000 GHz

CF Step 4.000000 MHz

Auto Man

Freq Offset 0 Hz

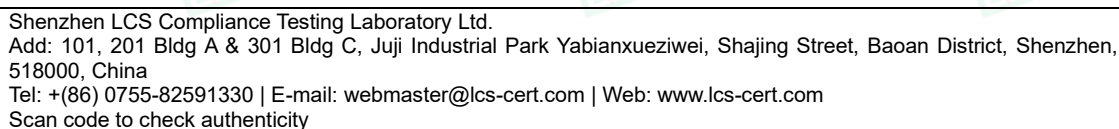
Center 3.95500 GHz Span 40.00 MHz
#Res BW 220 kHz #VBW 680 kHz Sweep 1.000 ms (1001 pts)

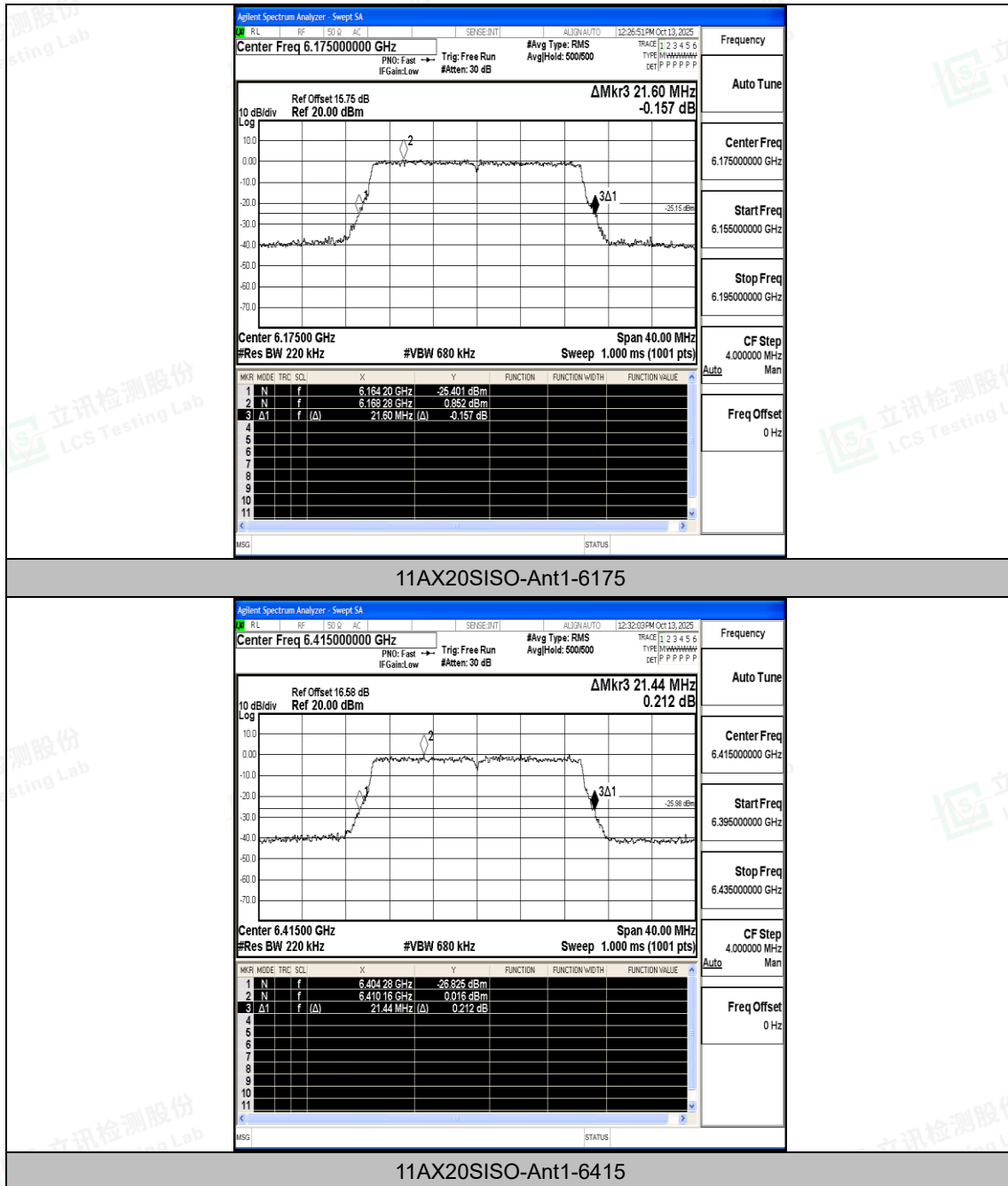
MKR	MODE	TRG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		5.944 24 GHz	-26.269 dBm			
2	N	f		5.952 84 GHz	-0.157 dBm			
3	Δ1	f	(Δ)	21.68 MHz (Δ)	-2.667 dB			
4								
5								
6								
7								
8								
9								
10								
11								

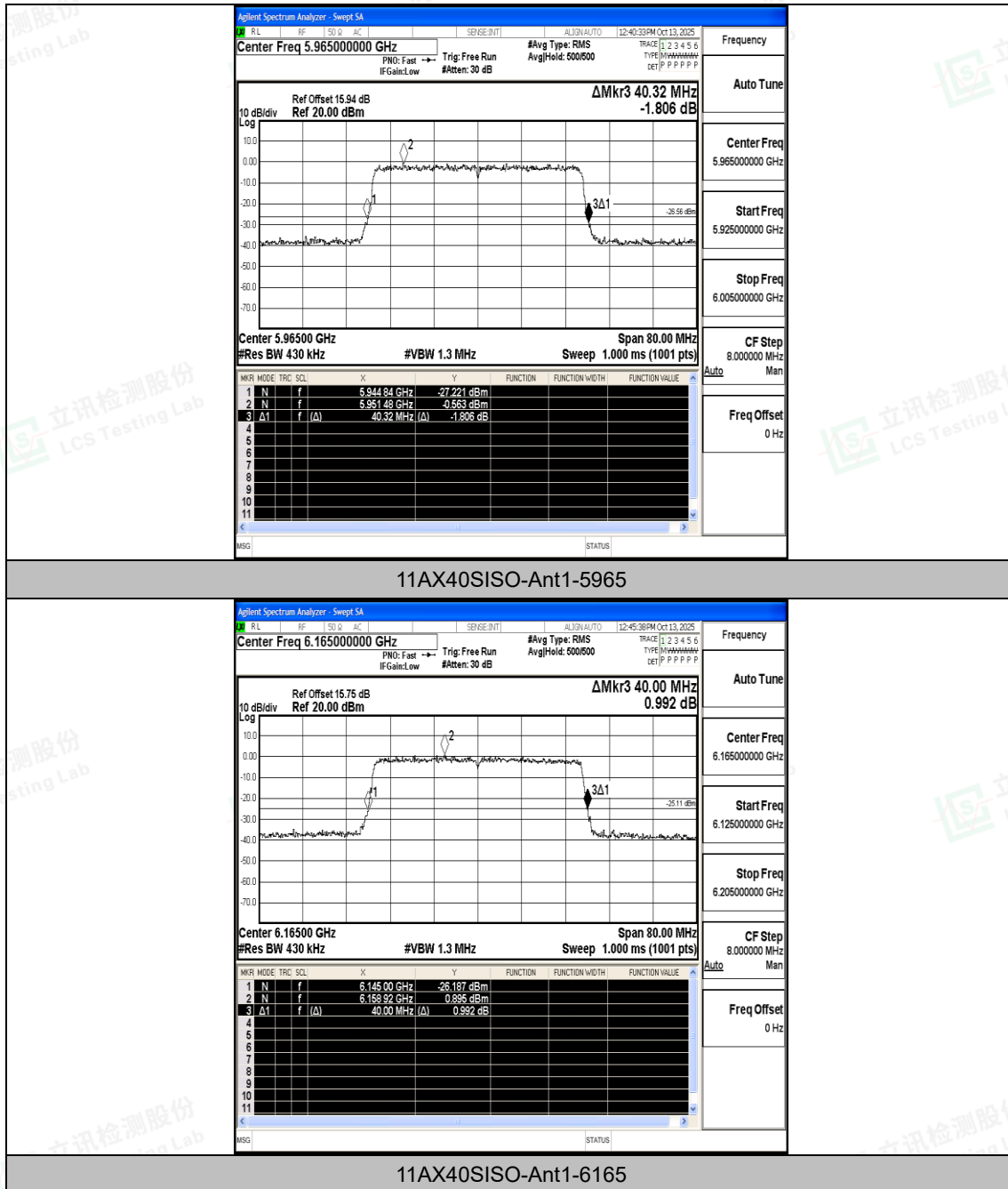
MISC STATUS

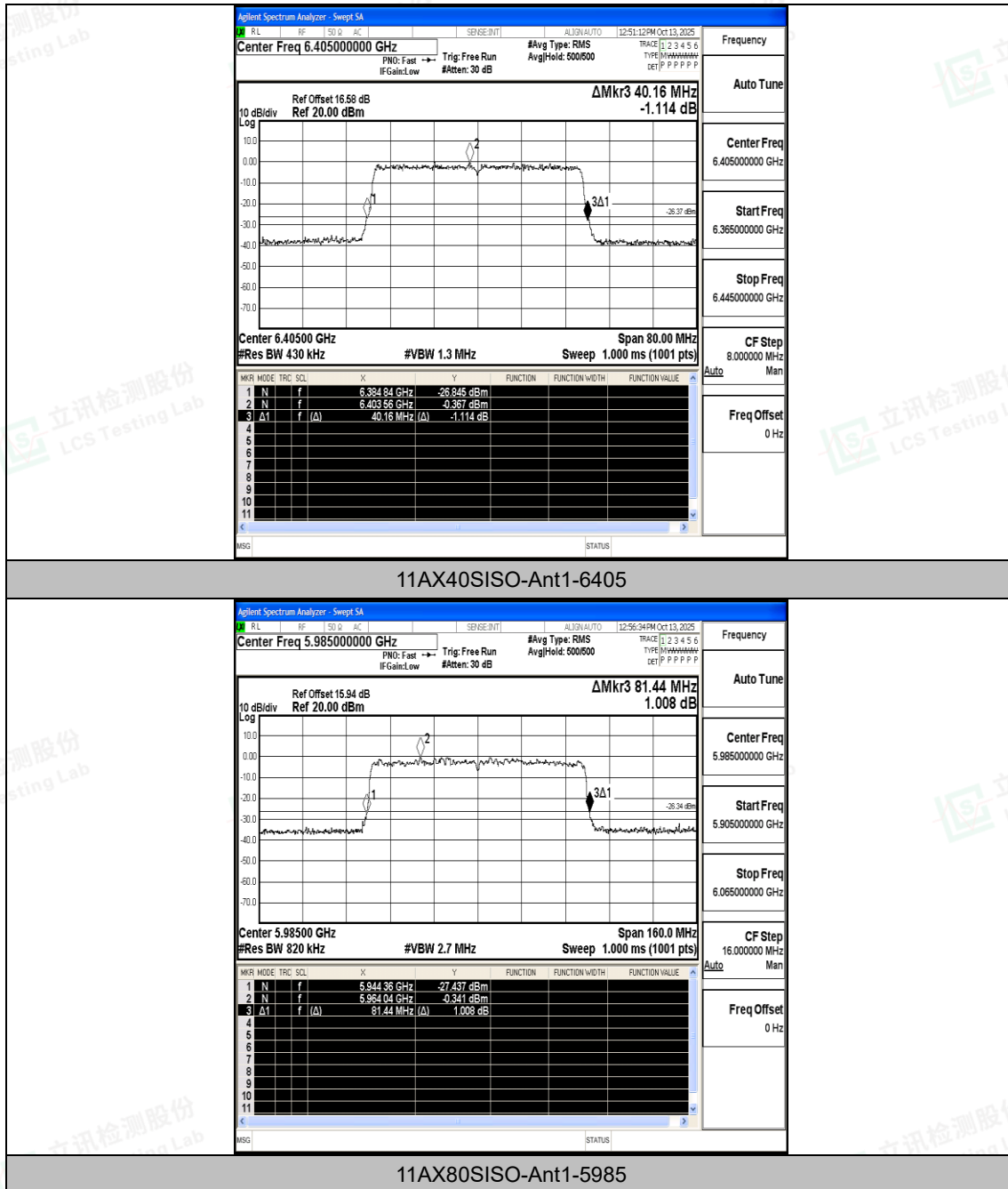
立讯检测股份 LCS Testing Lab

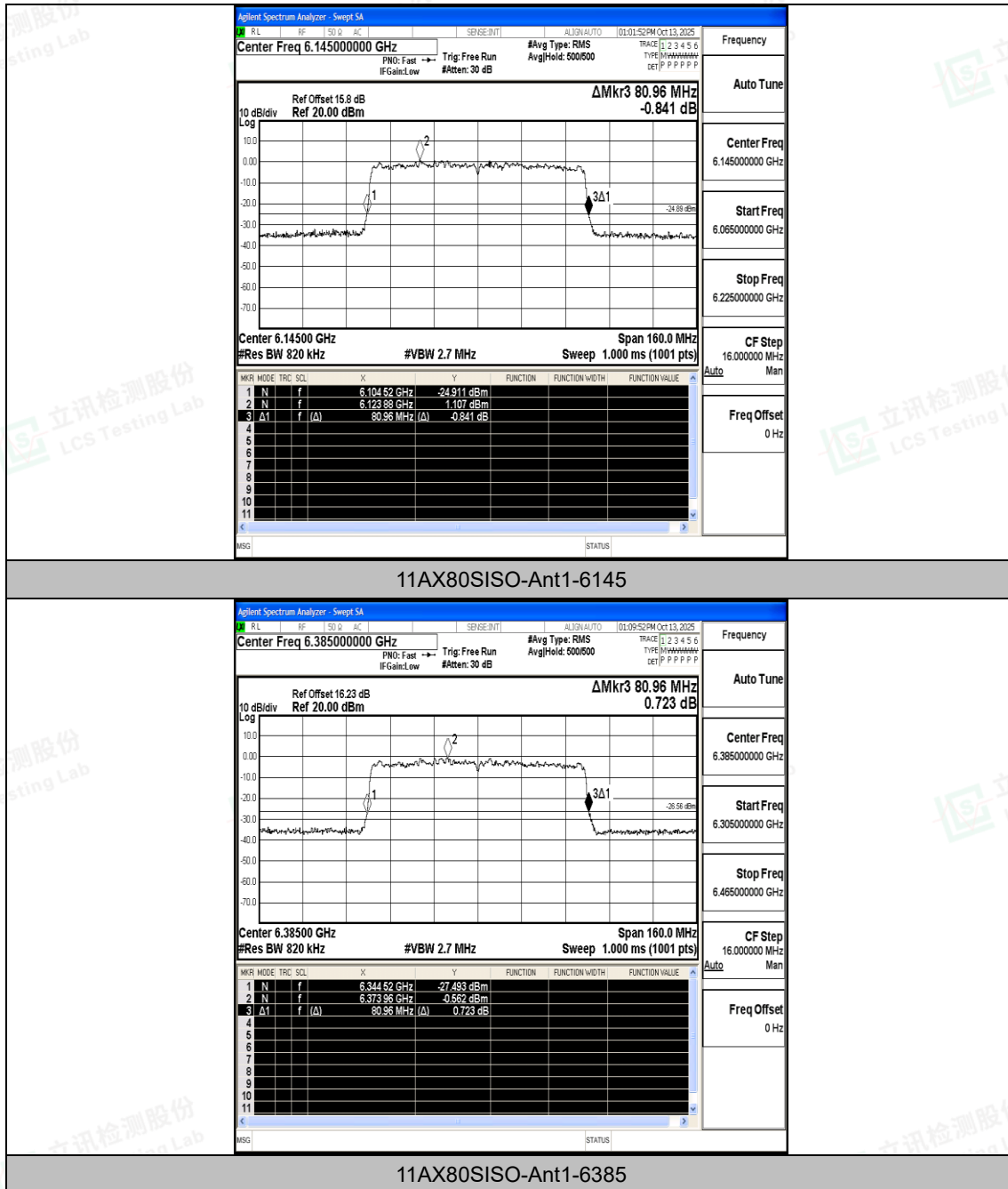
立讯检测股份 LCS Testing Lab

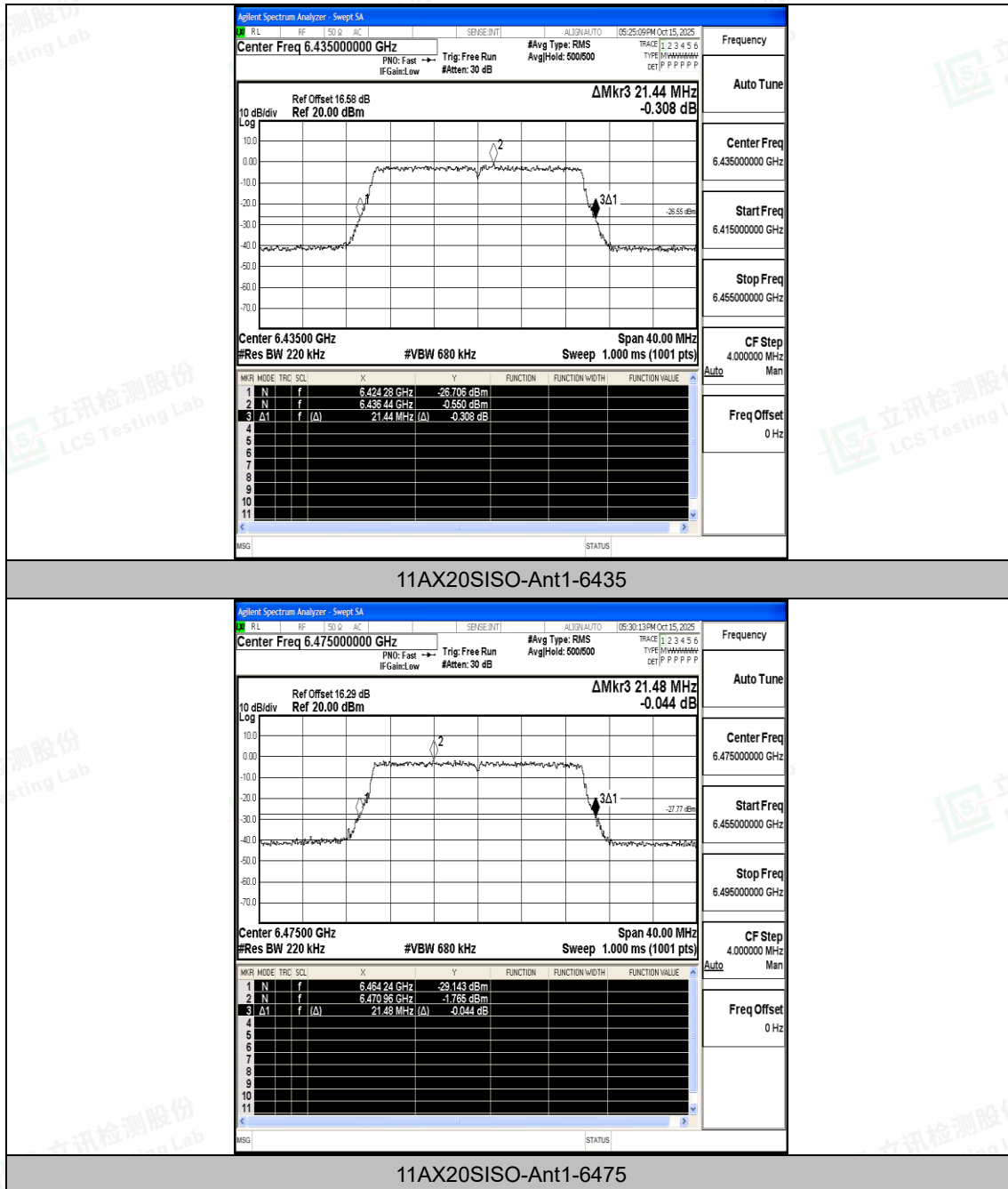


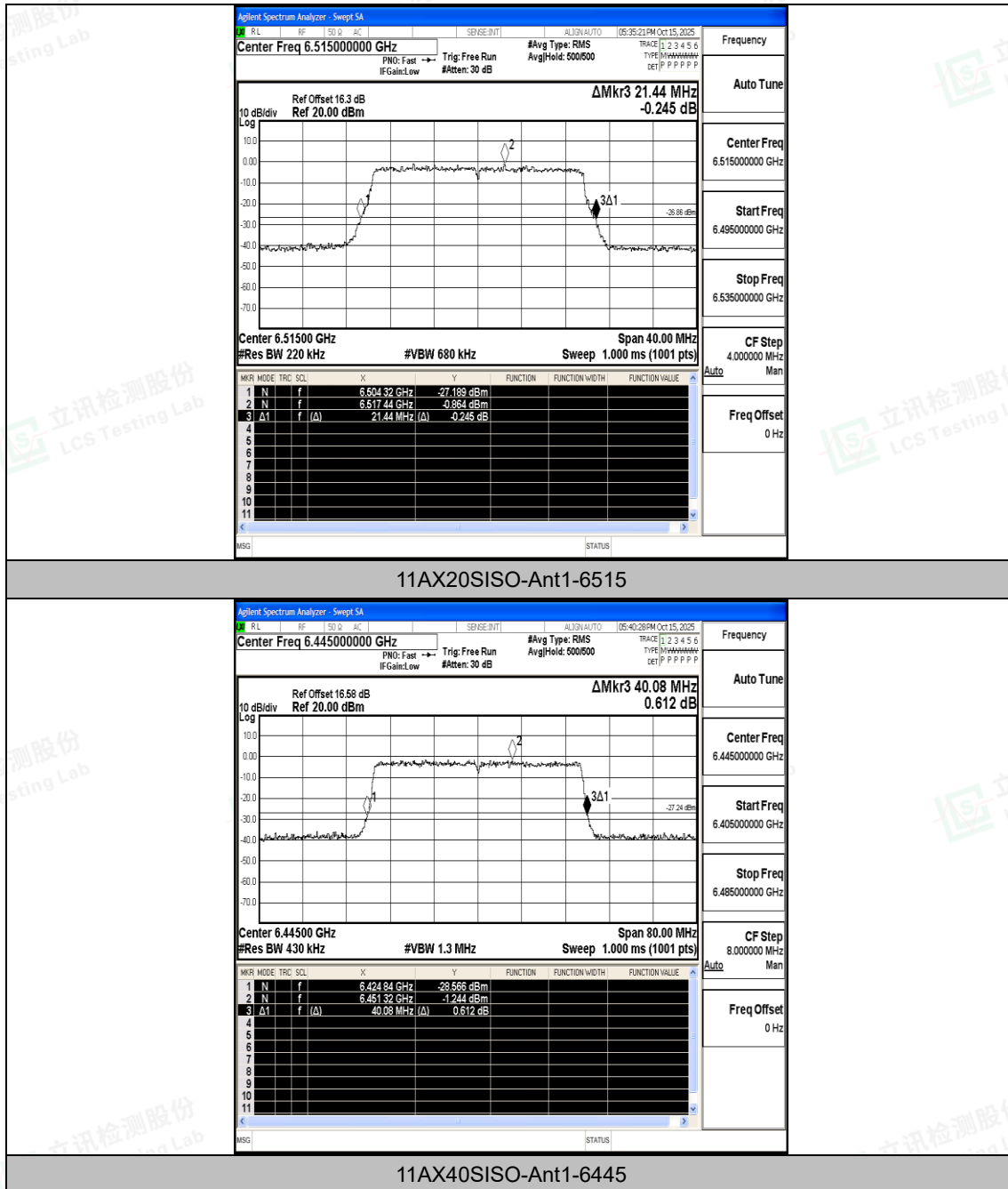


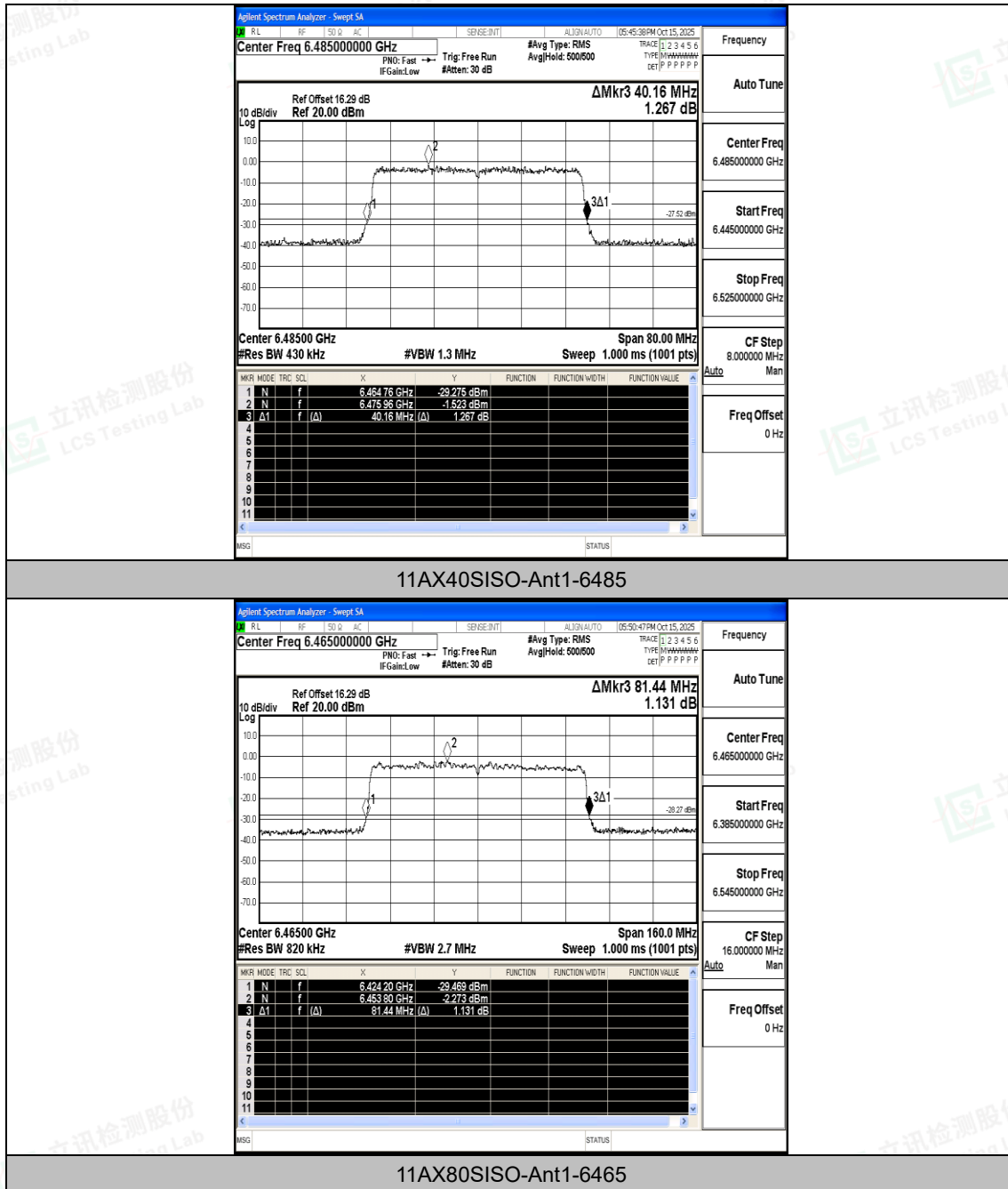














Q.2 Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20SISO	Ant0	5955	9.06	95.12	0.22	9.28	2.36	11.64	≤24.00	PASS
11AX20SISO	Ant0	6175	9.11	95.24	0.21	9.32	2.36	11.68	≤24.00	PASS
11AX20SISO	Ant0	6415	8.99	95.12	0.22	9.21	2.36	11.57	≤24.00	PASS
11AX40SISO	Ant0	5965	8.44	92.00	0.36	8.80	2.36	11.16	≤24.00	PASS
11AX40SISO	Ant0	6165	9.62	92.00	0.36	8.98	2.36	11.34	≤24.00	PASS
11AX40SISO	Ant0	6405	8.67	92.00	0.36	9.03	2.36	11.39	≤24.00	PASS
11AX80SISO	Ant0	5985	8.31	87.50	0.58	8.89	2.36	11.25	≤24.00	PASS
11AX80SISO	Ant0	6145	8.28	87.50	0.58	8.86	2.36	11.22	≤24.00	PASS
11AX80SISO	Ant0	6385	8.22	87.50	0.58	8.80	2.36	11.16	≤24.00	PASS
11AX20SISO	Ant0	6435	9.34	95.12	0.22	9.56	2.36	11.92	≤24.00	PASS
11AX20SISO	Ant0	6475	8.94	95.24	0.21	9.15	2.36	11.51	≤24.00	PASS
11AX20SISO	Ant0	6515	8.93	95.24	0.21	9.14	2.36	11.5	≤24.00	PASS
11AX40SISO	Ant0	6445	8.47	92.00	0.36	8.83	2.36	11.19	≤24.00	PASS
11AX40SISO	Ant0	6485	7.96	92.00	0.36	8.32	2.36	10.68	≤24.00	PASS
11AX80SISO	Ant0	6465	8.07	82.35	0.84	8.91	2.36	11.27	≤24.00	PASS

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20SISO	Ant1	5955	6.80	95.24	0.21	7.01	4.20	11.21	≤24.00	PASS
11AX20SISO	Ant1	6175	6.87	95.24	0.21	7.08	4.20	11.28	≤24.00	PASS
11AX20SISO	Ant1	6415	6.83	95.12	0.22	7.05	4.20	11.25	≤24.00	PASS
11AX40SISO	Ant1	5965	6.57	91.67	0.38	6.95	4.20	11.15	≤24.00	PASS
11AX40SISO	Ant1	6165	6.42	91.67	0.38	6.80	4.20	11.00	≤24.00	PASS
11AX40SISO	Ant1	6405	6.48	91.67	0.38	6.86	4.20	11.06	≤24.00	PASS
11AX80SISO	Ant1	5985	6.95	100.00	0.00	6.95	4.20	11.15	≤24.00	PASS
11AX80SISO	Ant1	6145	6.74	100.00	0.00	6.74	4.20	10.94	≤24.00	PASS
11AX80SISO	Ant1	6385	6.27	100.00	0.00	6.27	4.20	10.47	≤24.00	PASS
11AX20SISO	Ant1	6435	8.04	95.12	0.22	8.26	4.20	12.46	≤24.00	PASS
11AX20SISO	Ant1	6475	7.6	95.12	0.22	7.82	4.20	12.02	≤24.00	PASS
11AX20SISO	Ant1	6515	7.67	95.12	0.22	7.89	4.20	12.09	≤24.00	PASS
11AX40SISO	Ant1	6445	7.36	92.00	0.36	7.72	4.20	11.92	≤24.00	PASS
11AX40SISO	Ant1	6485	6.89	92.00	0.36	7.25	4.20	11.45	≤24.00	PASS
11AX80SISO	Ant1	6465	6.85	100.00	0.00	6.85	4.20	11.05	≤24.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.



Shenzhen LCS Compliance Testing Laboratory Ltd.
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Scan code to check authenticity

**MIMO**

Condition	Mode	Frequency (MHz)	EIRP [dBm]			Limit (dBm)	Verdict
			Antenna				
			Ant0	Ant1	Ant0+ Ant1		
NVNT	11AX20SISO	5955	11.64	11.21	14.44	24	Pass
NVNT	11AX20SISO	6175	11.82	11.49	14.67	24	Pass
NVNT	11AX20SISO	6415	11.57	11.39	14.49	24	Pass
NVNT	11AX40SISO	5965	11.16	11.15	14.17	24	Pass
NVNT	11AX40SISO	6165	11.34	11.00	14.18	24	Pass
NVNT	11AX40SISO	6405	11.39	11.06	14.24	24	Pass
NVNT	11AX80SISO	5985	11.25	11.15	14.21	24	Pass
NVNT	11AX80SISO	6145	11.22	10.94	14.09	24	Pass
NVNT	11AX80SISO	6385	11.16	10.47	13.84	24	Pass
NVNT	11AX20SISO	6435	11.92	12.46	15.21	24	Pass
NVNT	11AX20SISO	6475	11.51	12.02	14.78	24	Pass
NVNT	11AX20SISO	6515	11.5	12.09	14.82	24	Pass
NVNT	11AX40SISO	6445	11.19	11.92	14.58	24	Pass
NVNT	11AX40SISO	6485	10.68	11.45	14.09	24	Pass
NVNT	11AX80SISO	6465	11.27	11.05	14.17	24	Pass





Q.3 Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm/MHz]	DC Factor [dBm]	Gain [dBi]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20SISO	Ant0	5955	-11.49	0.22	2.36	-8.91	≤-1.00	PASS
11AX20SISO	Ant0	6175	-9.27	0.21	2.36	-6.7	≤-1.00	PASS
11AX20SISO	Ant0	6415	-8.08	0.22	2.36	-5.5	≤-1.00	PASS
11AX40SISO	Ant0	5965	-15.21	0.36	2.36	-12.49	≤-1.00	PASS
11AX40SISO	Ant0	6165	-12.93	0.36	2.36	-10.21	≤-1.00	PASS
11AX40SISO	Ant0	6405	-12.08	0.36	2.36	-9.36	≤-1.00	PASS
11AX80SISO	Ant0	5985	-17.66	0.58	2.36	-14.72	≤-1.00	PASS
11AX80SISO	Ant0	6145	-16.27	0.58	2.36	-13.33	≤-1.00	PASS
11AX80SISO	Ant0	6385	-15.70	0.58	2.36	-12.76	≤-1.00	PASS
11AX20SISO	Ant0	6435	-9.14	0.22	2.36	-6.56	≤-1.00	PASS
11AX20SISO	Ant0	6475	-8.94	0.21	2.36	-6.37	≤-1.00	PASS
11AX20SISO	Ant0	6515	-9.13	0.21	2.36	-6.56	≤-1.00	PASS
11AX40SISO	Ant0	6445	-12.84	0.36	2.36	-10.12	≤-1.00	PASS
11AX40SISO	Ant0	6485	-12.85	0.36	2.36	-10.13	≤-1.00	PASS
11AX40SISO	Ant0	6525	-16.10	0.84	2.36	-12.9	≤-1.00	PASS
11AX80SISO	Ant0	6465	-9.14	0.22	2.36	-6.56	≤-1.00	PASS





TestMode	Antenna	Frequency [MHz]	Result [dBm/MHz]	DC Factor [dBm]	Gain [dBi]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20SISO	Ant1	5955	-11.45	0.21	4.20	-7.04	≤-1.00	PASS
11AX20SISO	Ant1	6175	-8.57	0.21	4.20	-4.16	≤-1.00	PASS
11AX20SISO	Ant1	6415	-9.26	0.22	4.20	-4.84	≤-1.00	PASS
11AX40SISO	Ant1	5965	-14.37	0.38	4.20	-9.79	≤-1.00	PASS
11AX40SISO	Ant1	6165	-12.42	0.38	4.20	-7.84	≤-1.00	PASS
11AX40SISO	Ant1	6405	-12.56	0.38	4.20	-7.98	≤-1.00	PASS
11AX80SISO	Ant1	5985	-17.93	0.00	4.20	-13.73	≤-1.00	PASS
11AX80SISO	Ant1	6145	-16.06	0.00	4.20	-11.86	≤-1.00	PASS
11AX80SISO	Ant1	6385	-16.88	0.00	4.20	-12.68	≤-1.00	PASS
11AX20SISO	Ant1	6435	-9.77	0.22	4.20	-5.35	≤-1.00	PASS
11AX20SISO	Ant1	6475	-10.12	0.22	4.20	-5.7	≤-1.00	PASS
11AX20SISO	Ant1	6515	-10.41	0.22	4.20	-5.99	≤-1.00	PASS
11AX40SISO	Ant1	6445	-13.31	0.36	4.20	-8.75	≤-1.00	PASS
11AX40SISO	Ant1	6485	-13.86	0.36	4.20	-9.3	≤-1.00	PASS
11AX40SISO	Ant1	6525	-17.95	0.00	4.20	-13.75	≤-1.00	PASS
11AX80SISO	Ant1	6465	-9.77	0.21	4.20	-5.36	≤-1.00	PASS



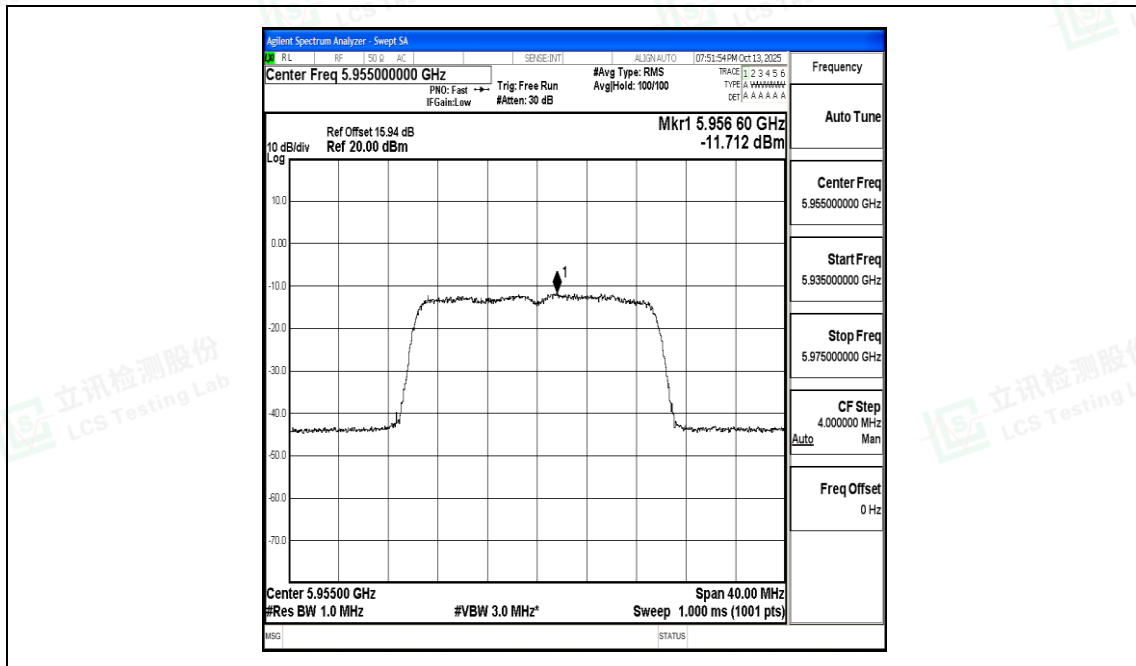
**MIMO**

Condition	Mode	Frequency (MHz)	EIRP PSD (dBm/1MHz)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+ Ant1		
NVNT	11AX20SISO	5955	-8.91	-7.04	-4.86	≤-1.0	Pass
NVNT	11AX20SISO	6175	-6.7	-4.16	-2.24	≤-1.0	Pass
NVNT	11AX20SISO	6415	-5.5	-4.84	-2.15	≤-1.0	Pass
NVNT	11AX40SISO	5965	-12.49	-9.79	-7.92	≤-1.0	Pass
NVNT	11AX40SISO	6165	-10.21	-7.84	-5.85	≤-1.0	Pass
NVNT	11AX40SISO	6405	-9.36	-7.98	-5.61	≤-1.0	Pass
NVNT	11AX80SISO	5985	-14.72	-13.73	-11.19	≤-1.0	Pass
NVNT	11AX80SISO	6145	-13.33	-11.86	-9.52	≤-1.0	Pass
NVNT	11AX80SISO	6385	-12.76	-12.68	-9.71	≤-1.0	Pass
NVNT	11AX20SISO	6435	-6.56	-5.35	-2.90	≤-1.0	Pass
NVNT	11AX20SISO	6475	-6.37	-5.7	-3.01	≤-1.0	Pass
NVNT	11AX20SISO	6515	-6.56	-5.99	-3.26	≤-1.0	Pass
NVNT	11AX40SISO	6445	-10.12	-8.75	-6.37	≤-1.0	Pass
NVNT	11AX40SISO	6485	-10.13	-9.3	-6.68	≤-1.0	Pass
NVNT	11AX80SISO	6525	-12.9	-13.75	-10.29	≤-1.0	Pass

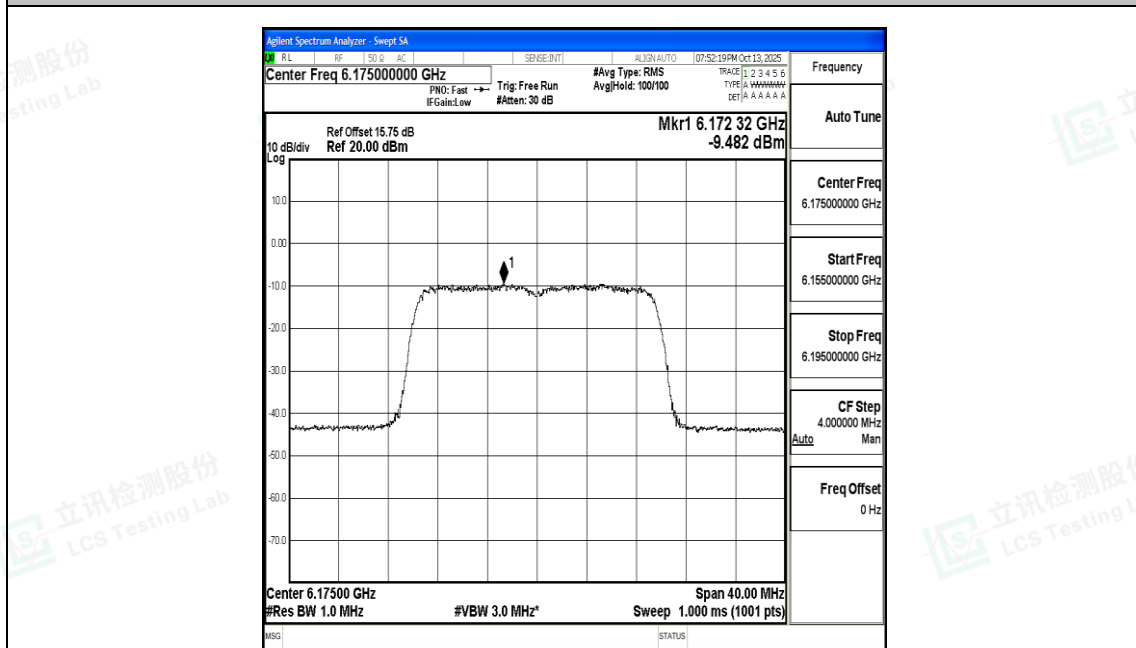




Test Graphs

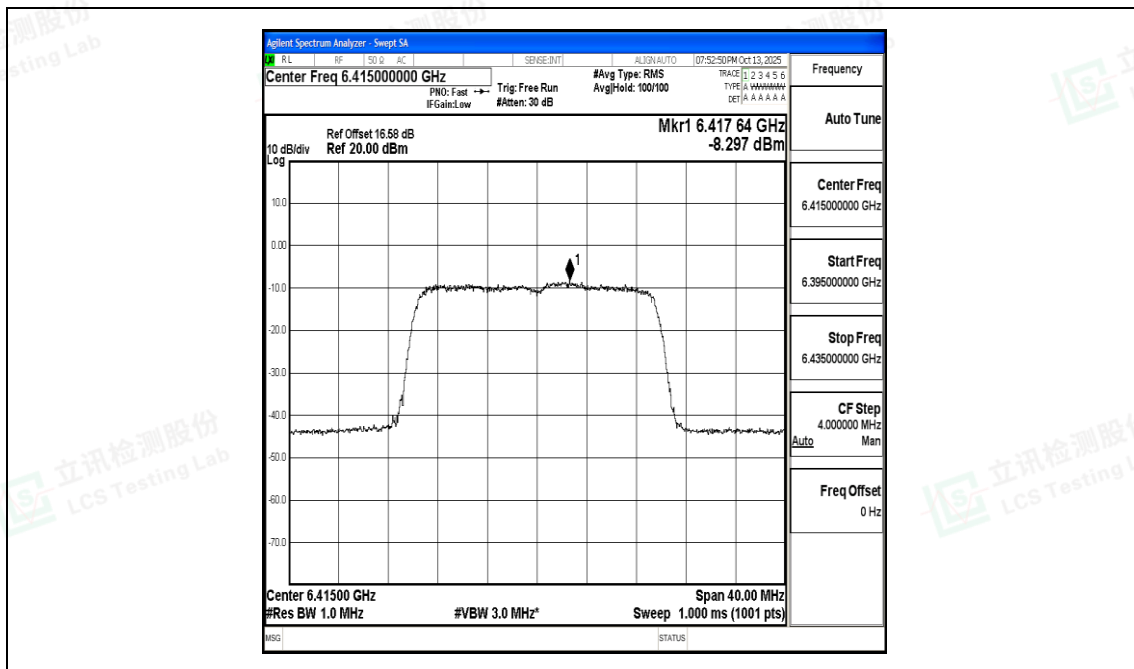


11AX20SISO-Ant0-5955-PASS

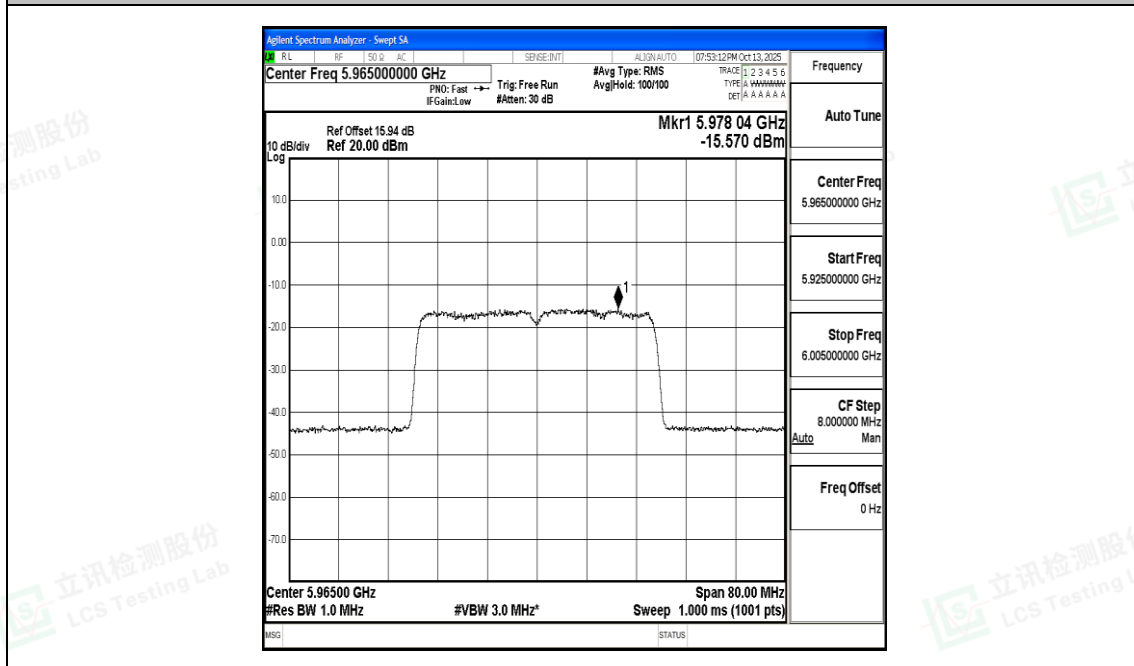


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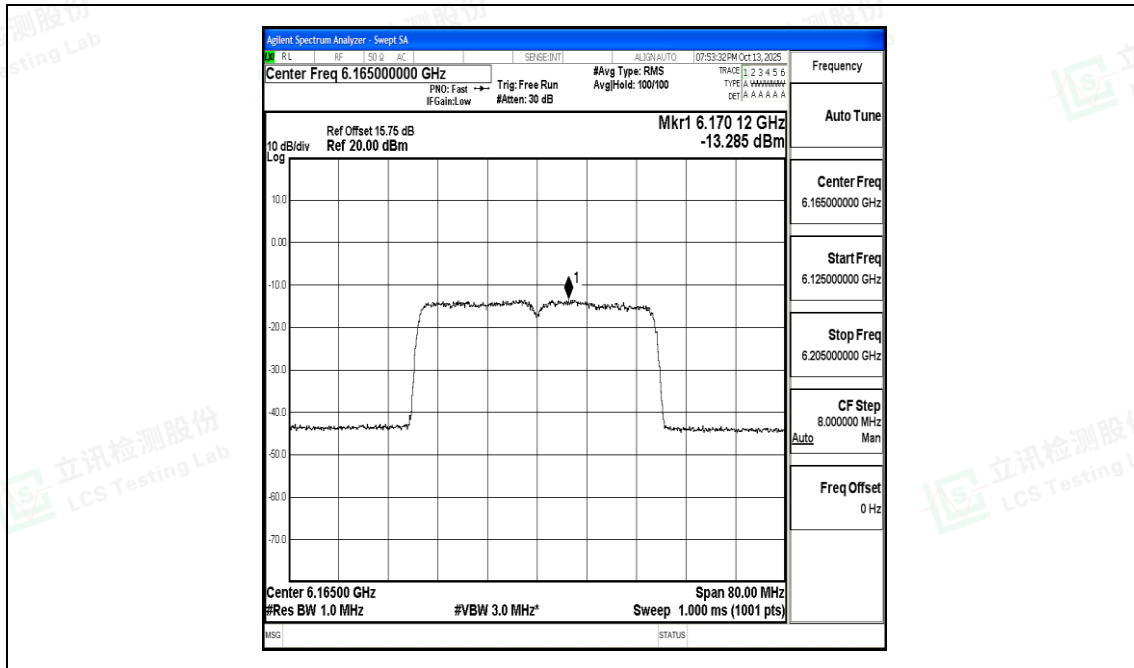


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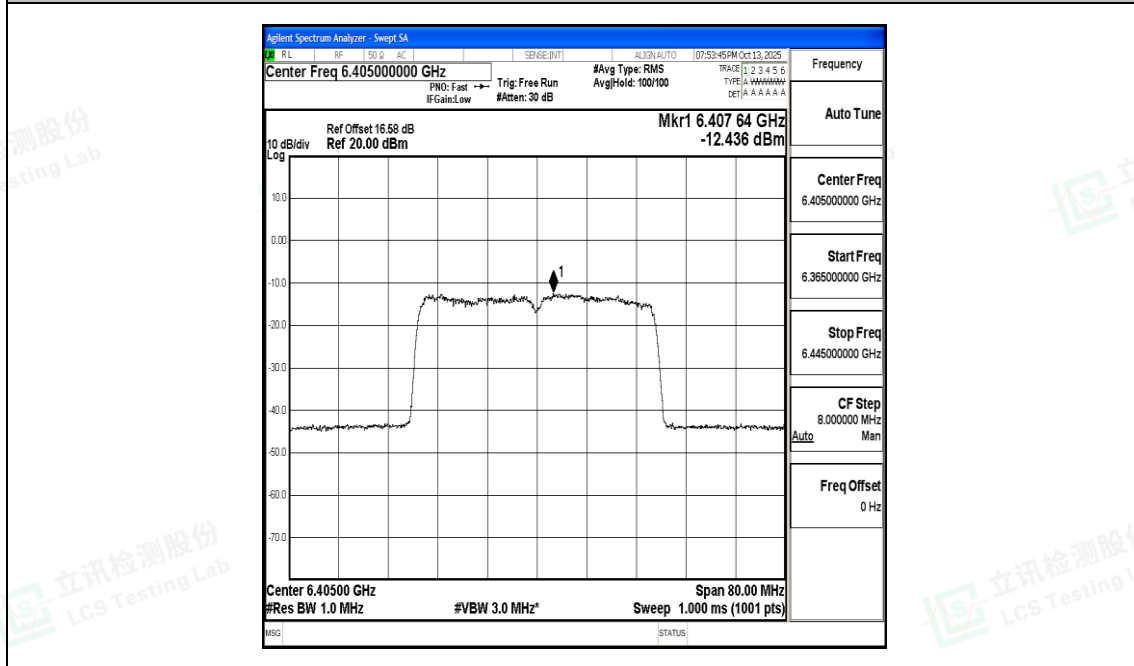


11AX40SISO-Ant0-5965-PASS



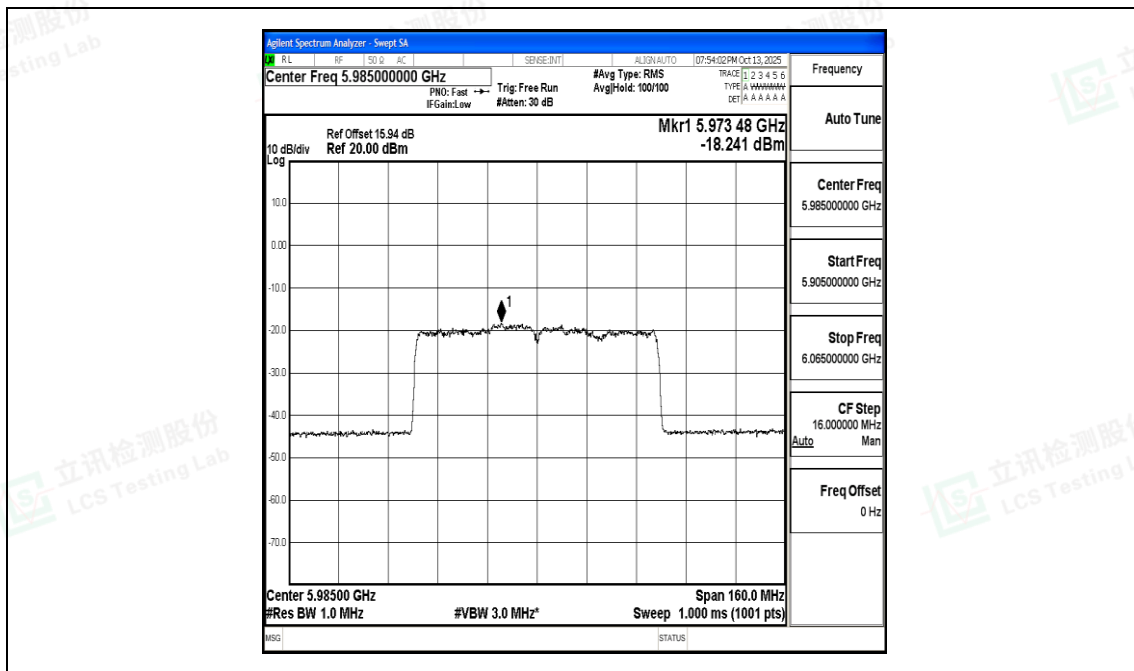


11AX40SISO-Ant0-6165-PASS

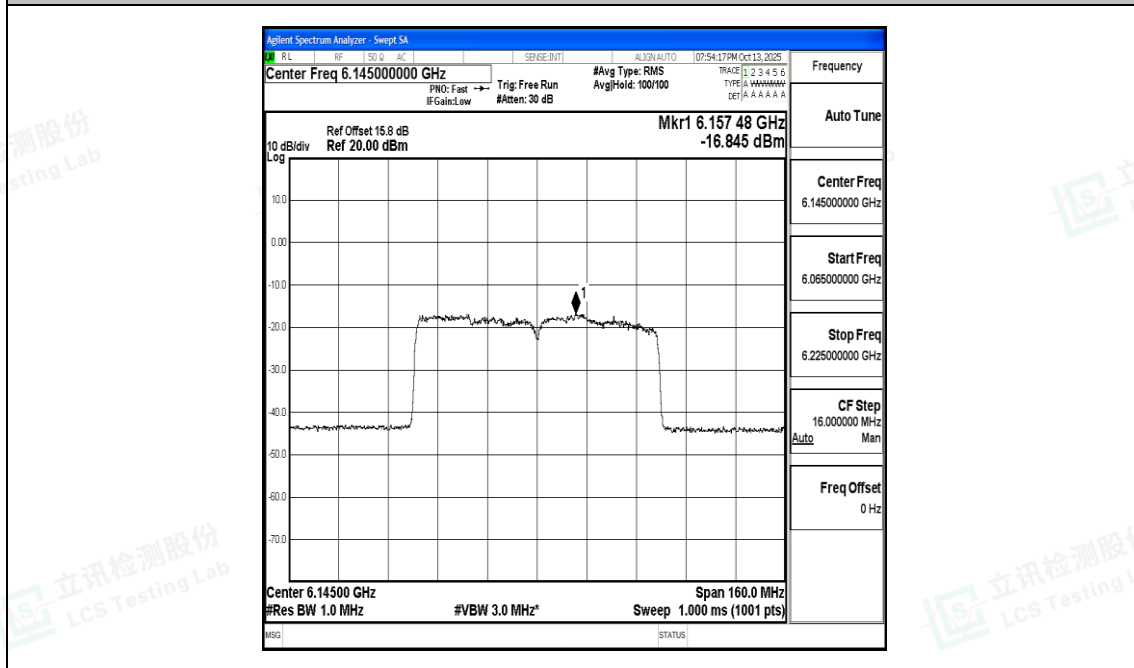


11AX40SISO-Ant0-6405-PASS



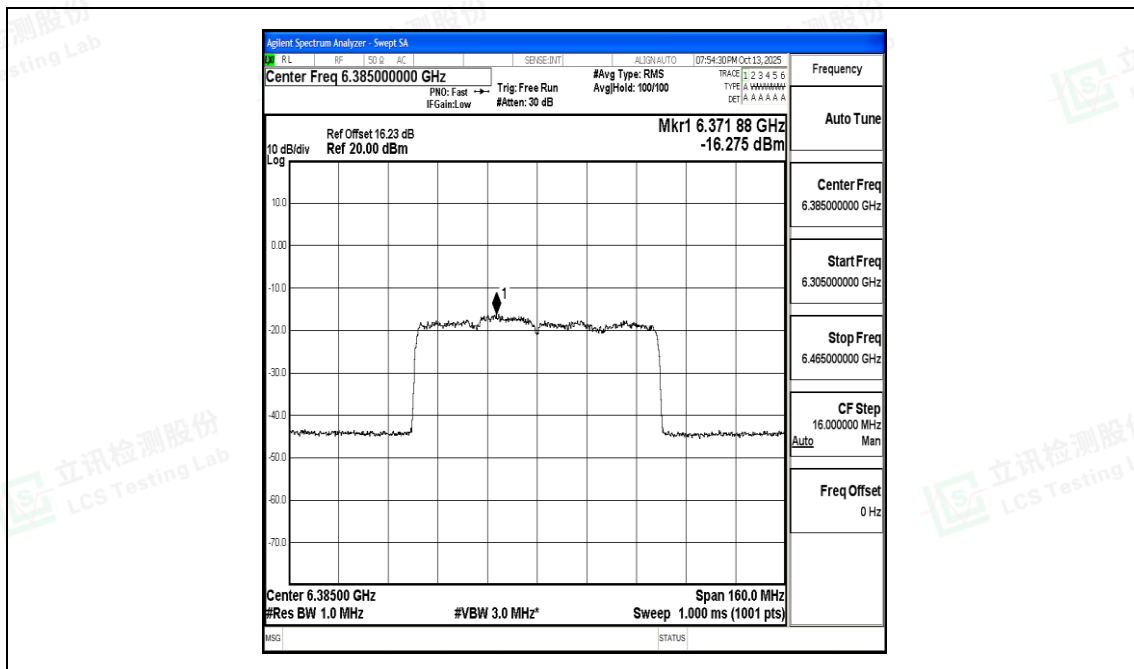


11AX80SISO-Ant0-5985-PASS

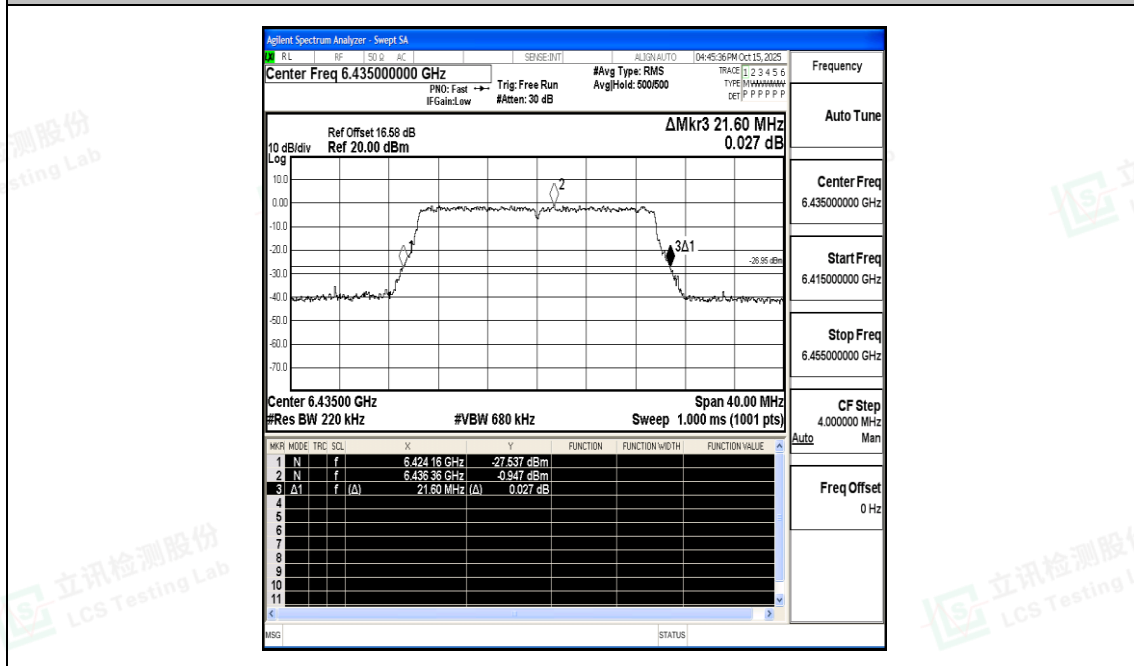


11AX80SISO-Ant0-6145-PASS



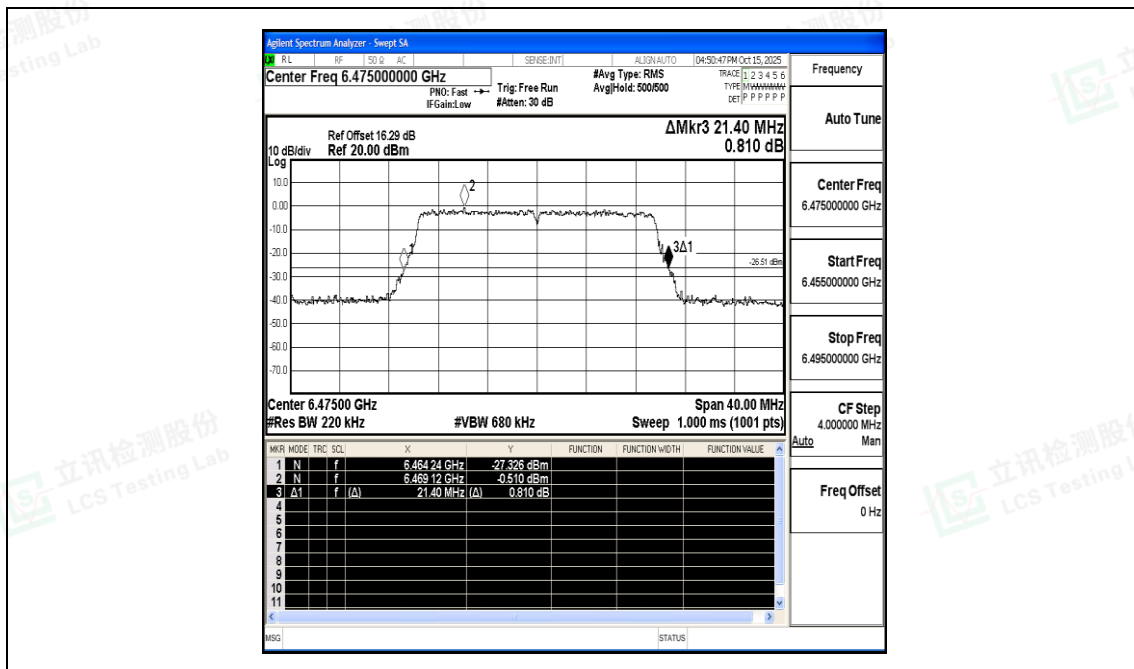


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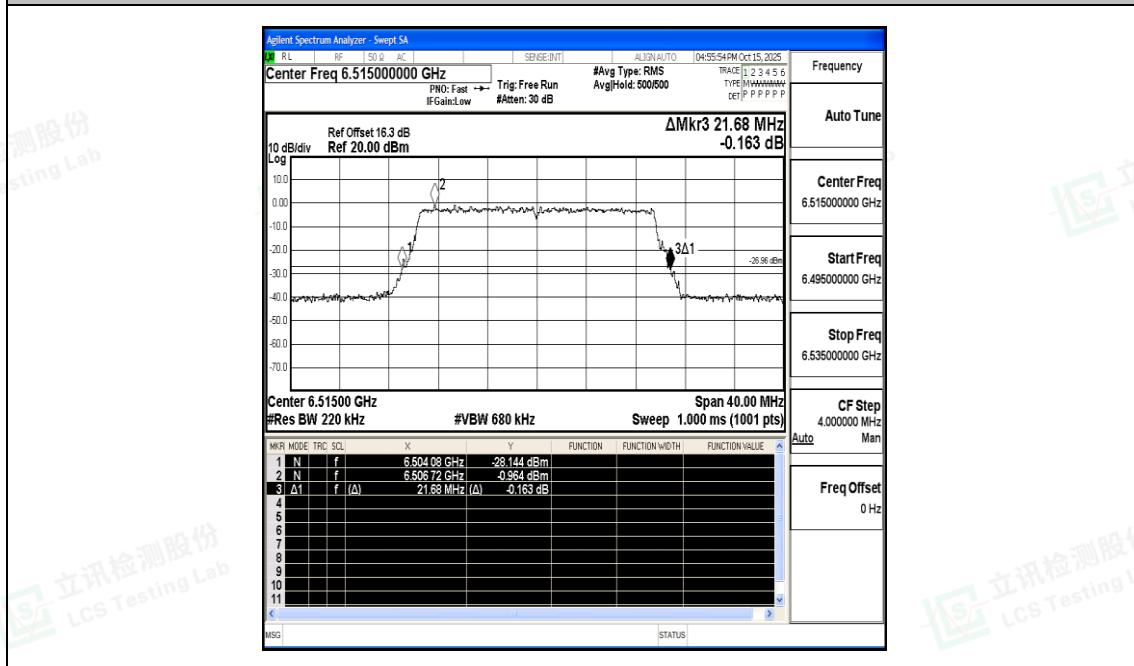


11AX20SISO-Ant0-6435



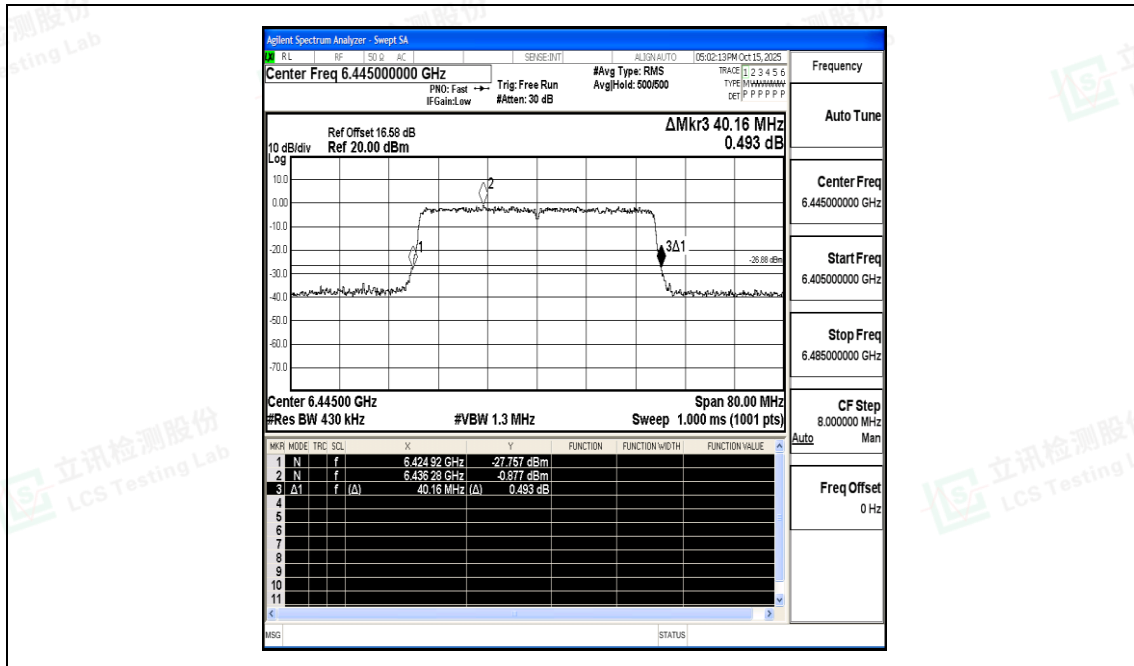


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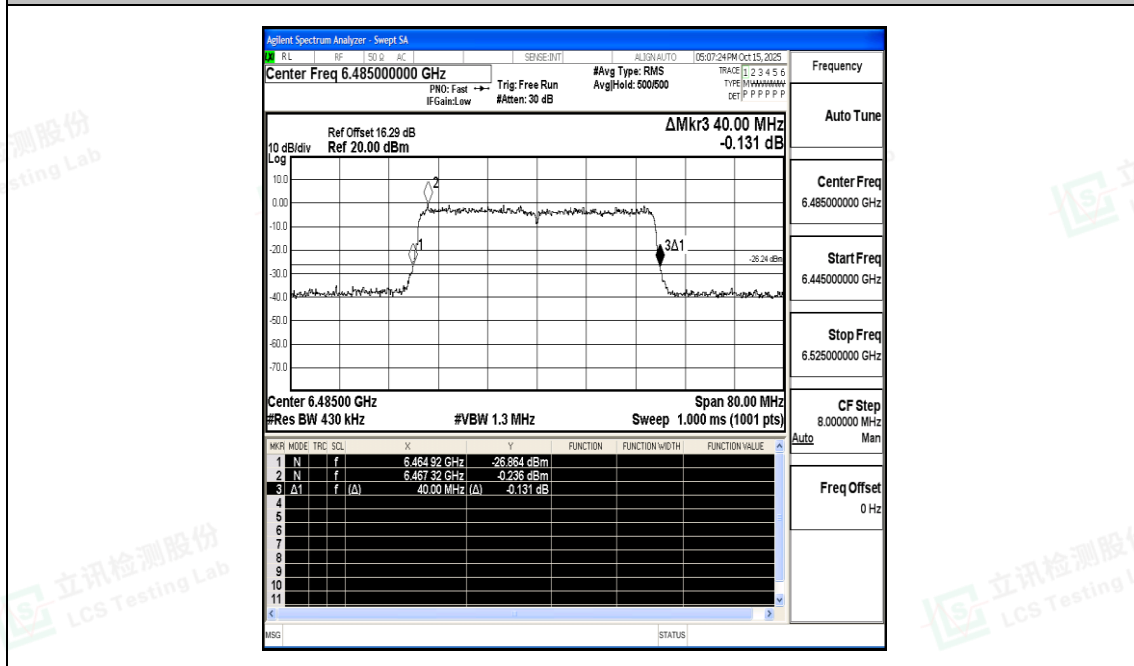


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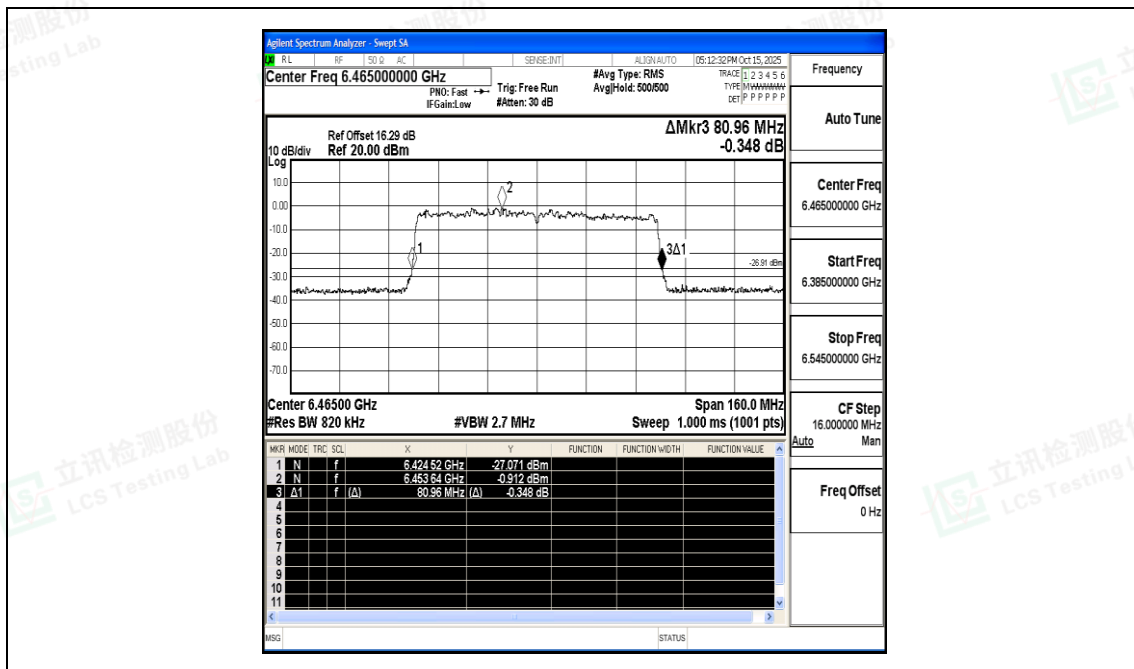


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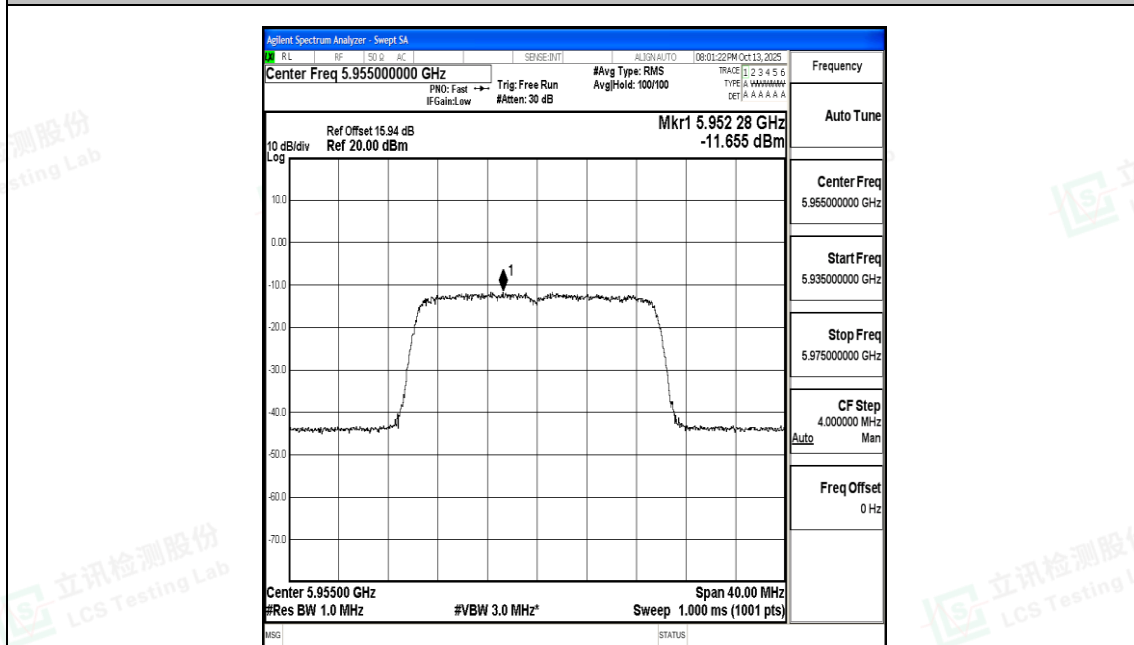


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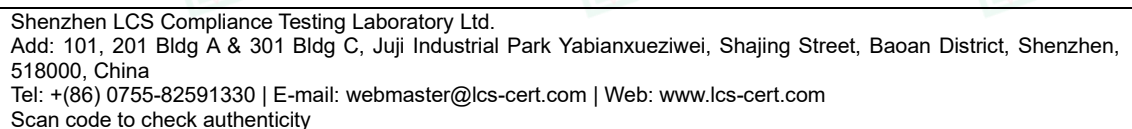
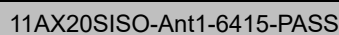
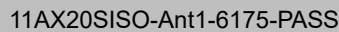


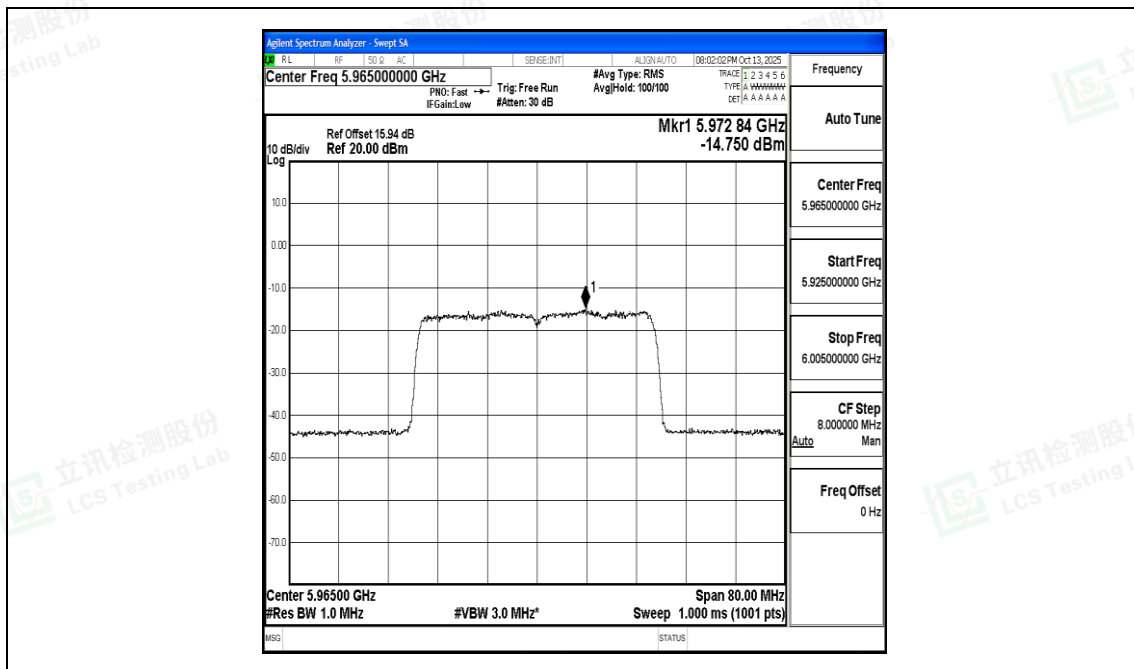
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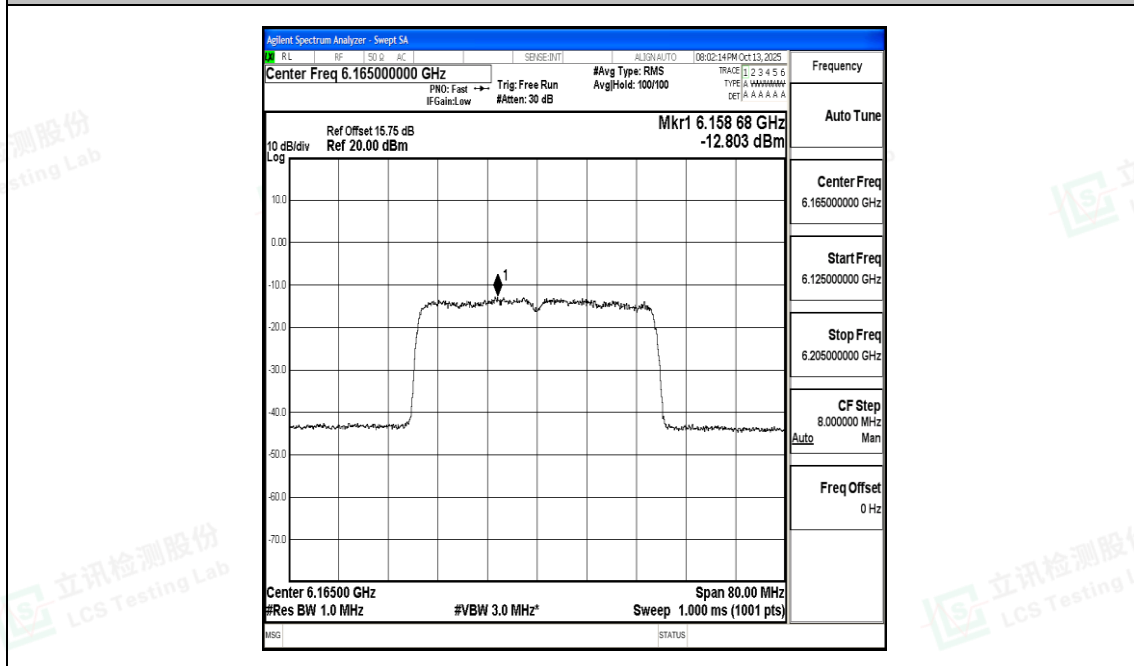
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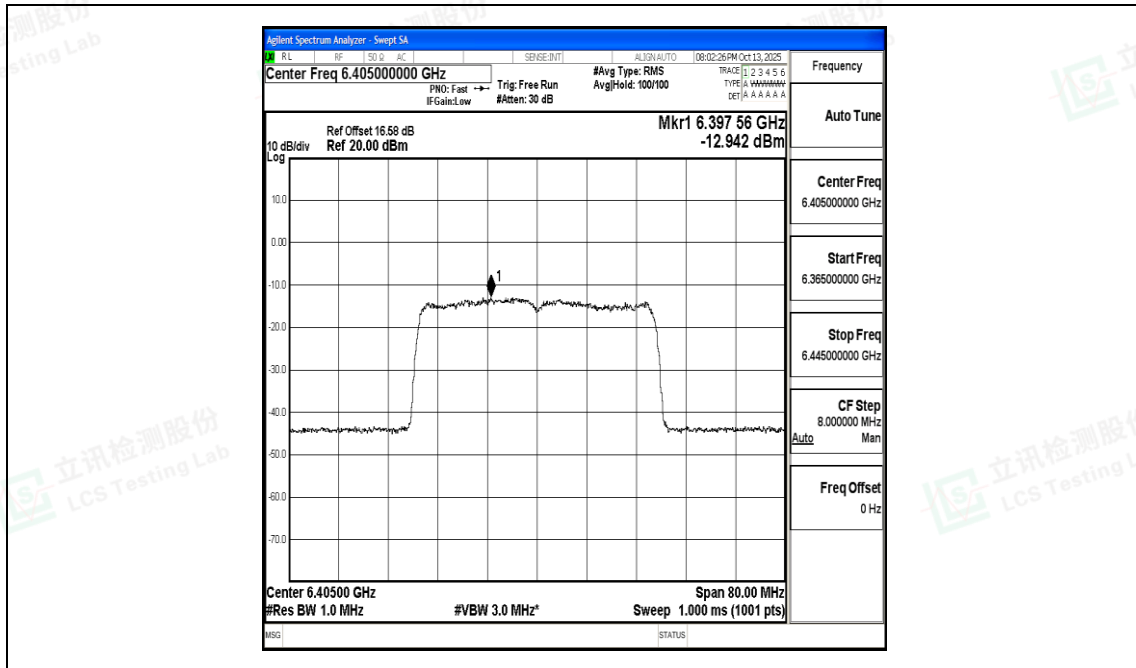


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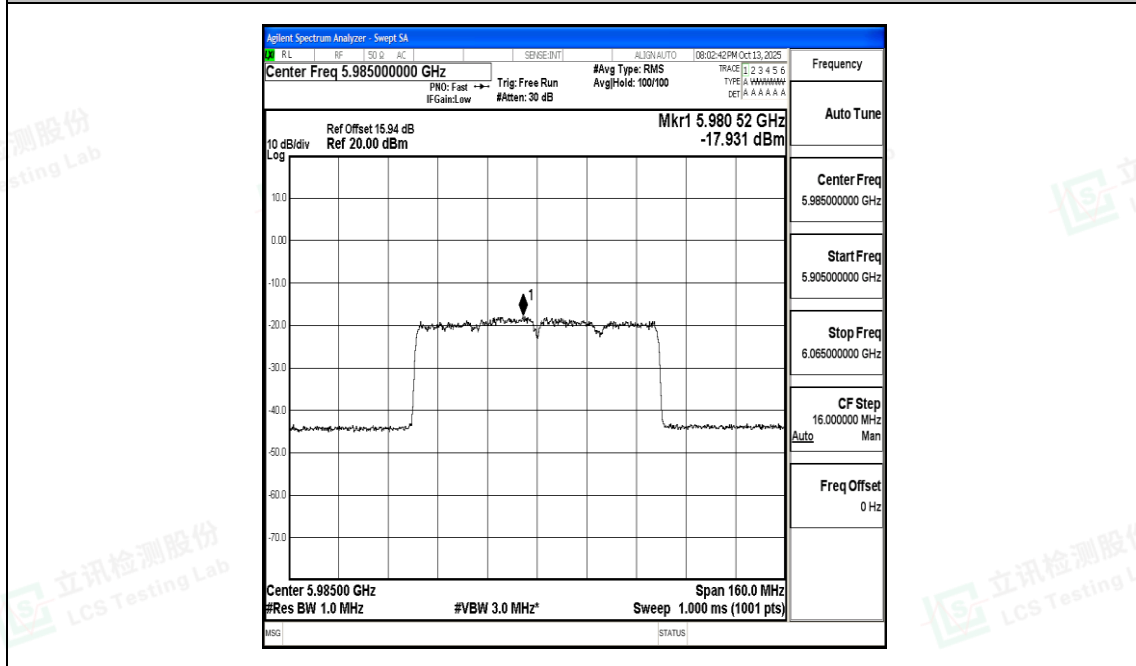


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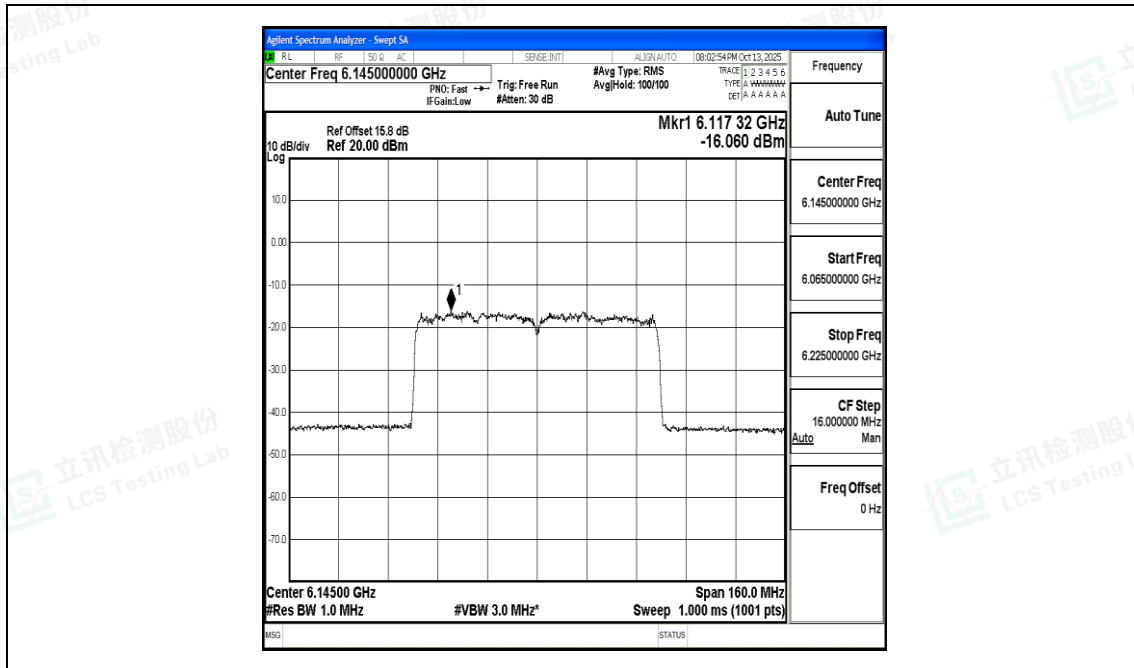


11AX40SISO-Ant1-6405-PASS

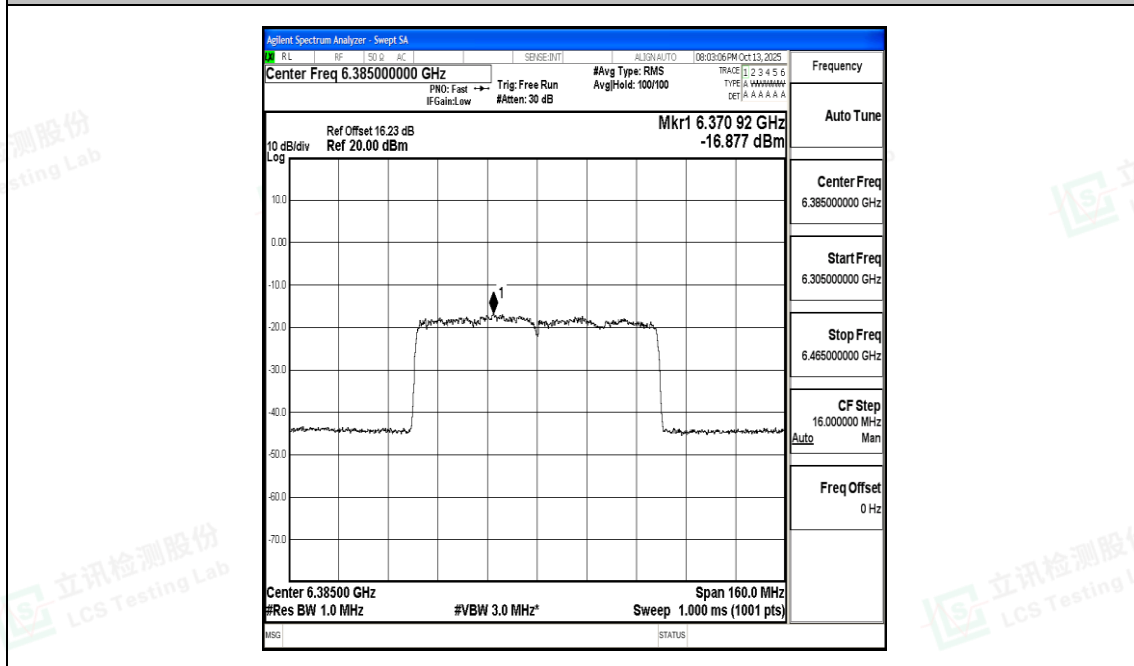


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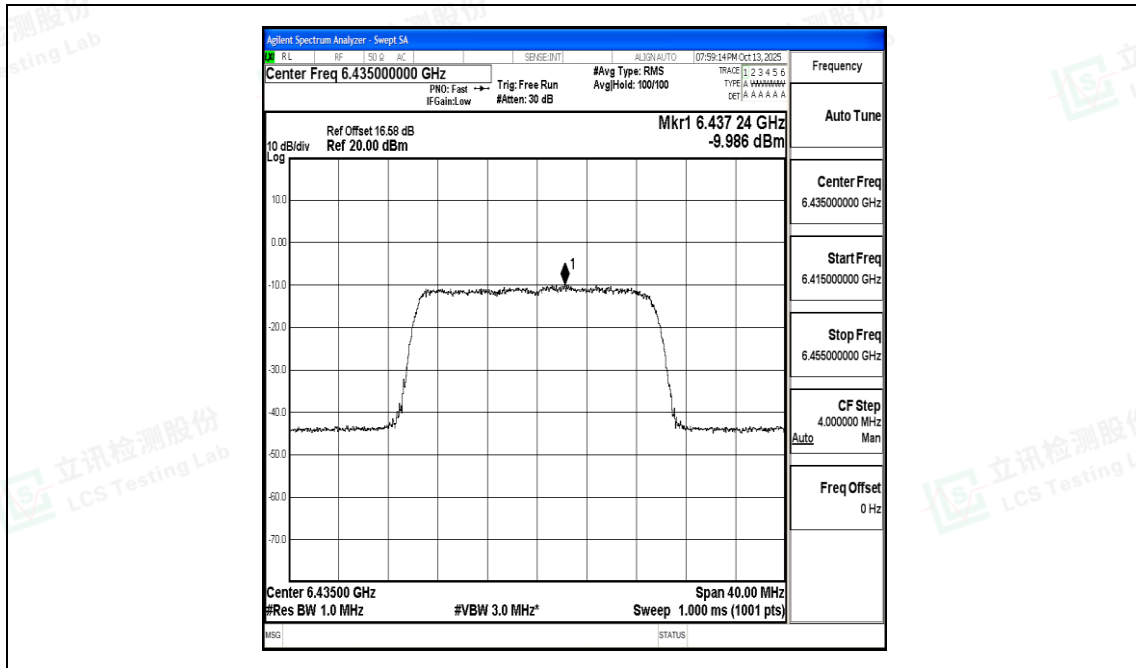


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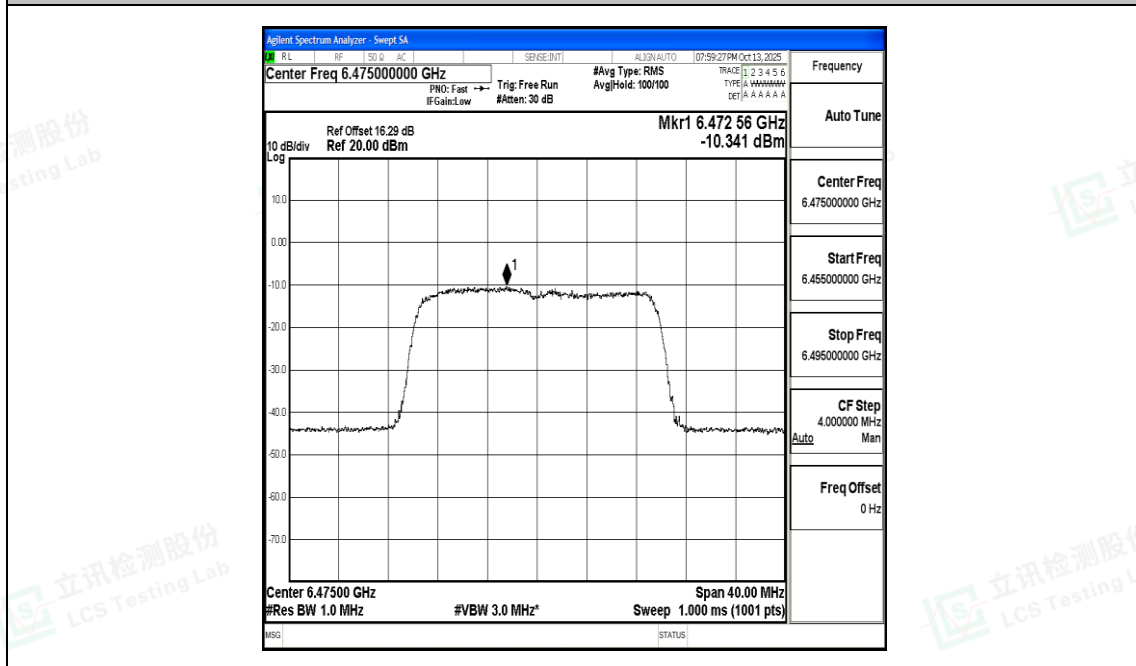


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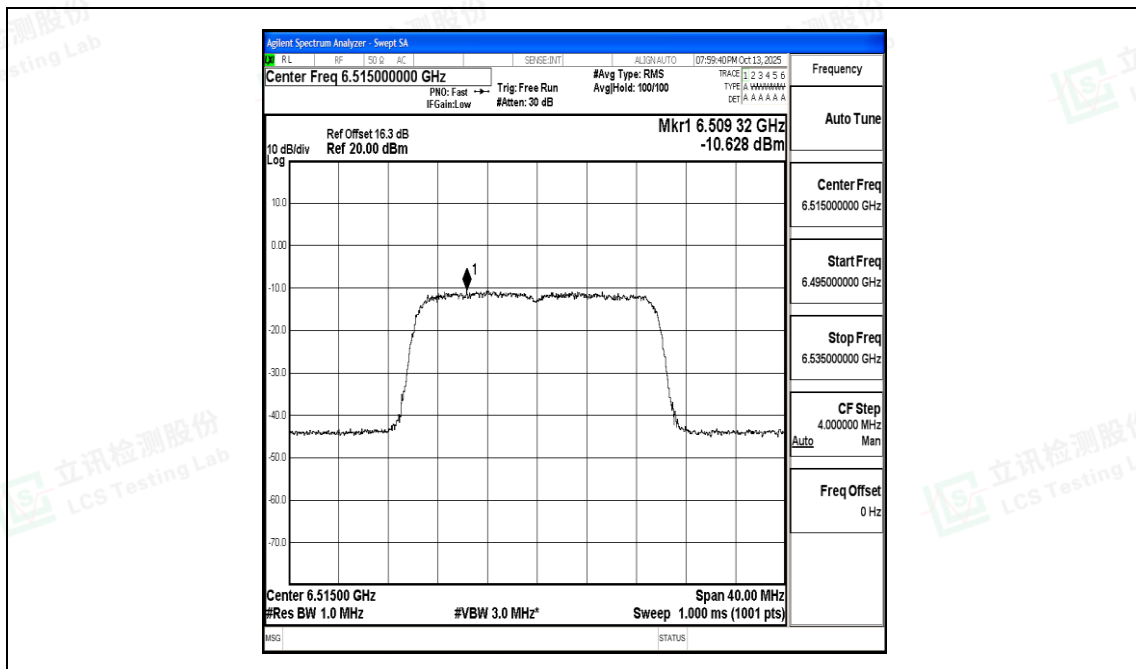


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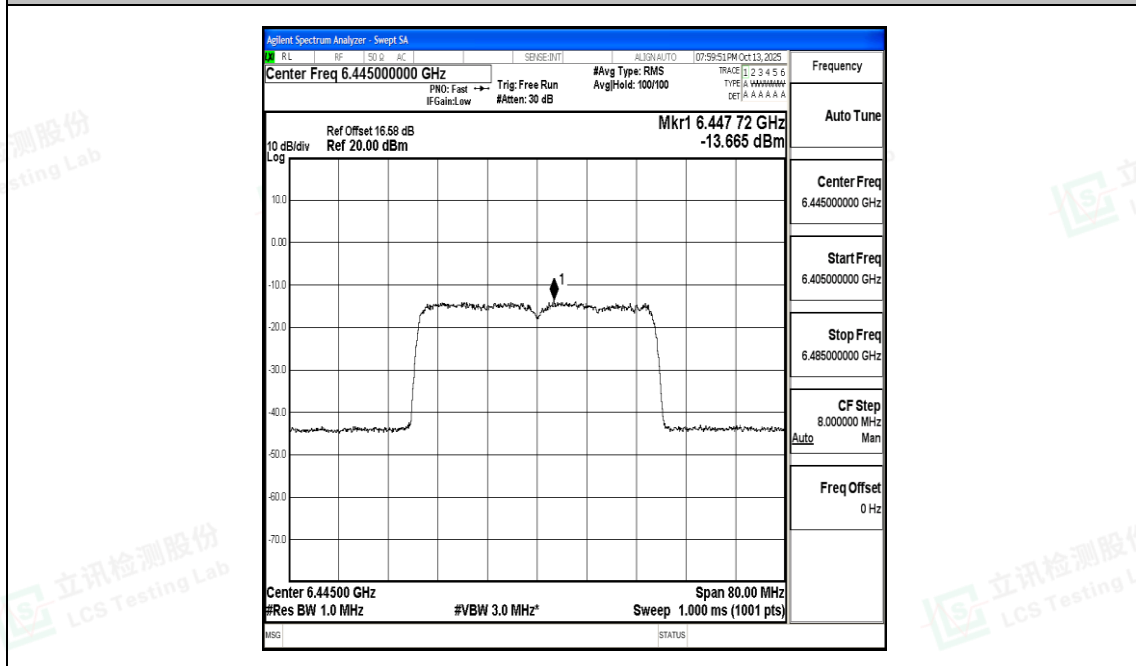


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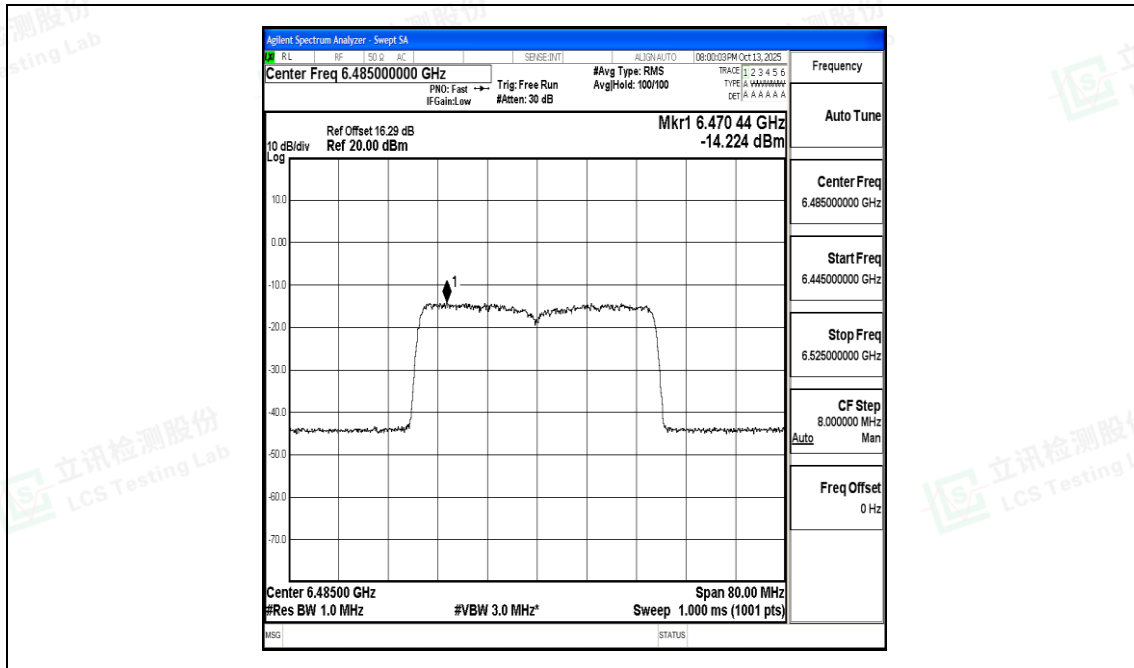


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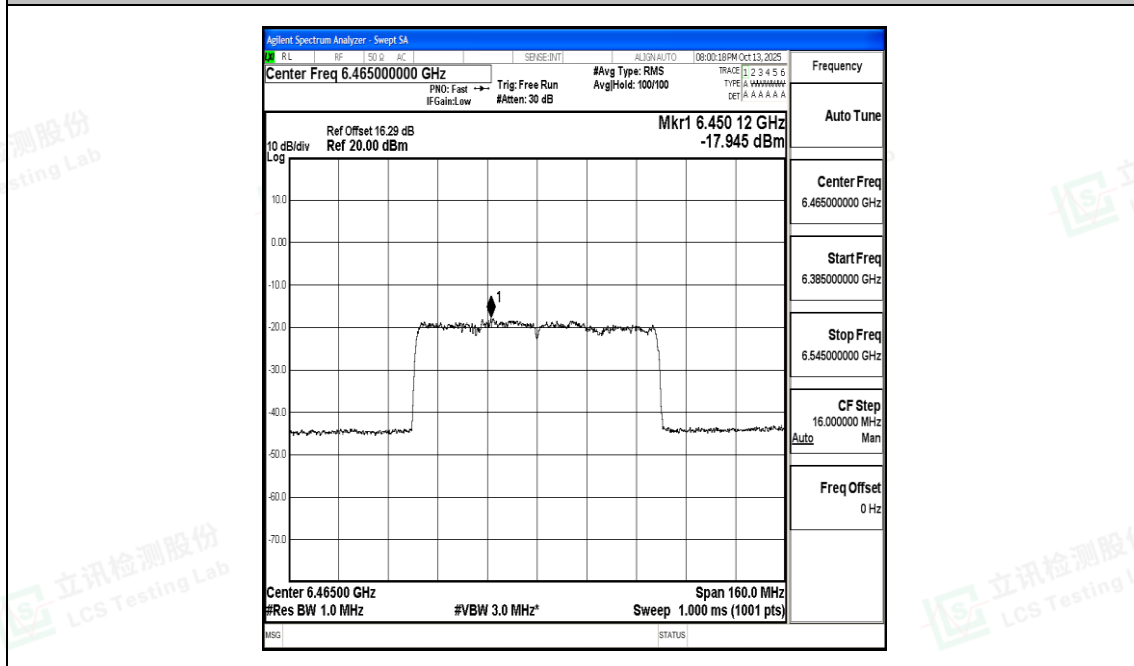


11AX40SISO-Ant1-6445-PASS





11AX40SISO-Ant1-6485-PASS



11AX80SISO-Ant1-6465-PASS





Q.4 InBand Emissions

Test Result

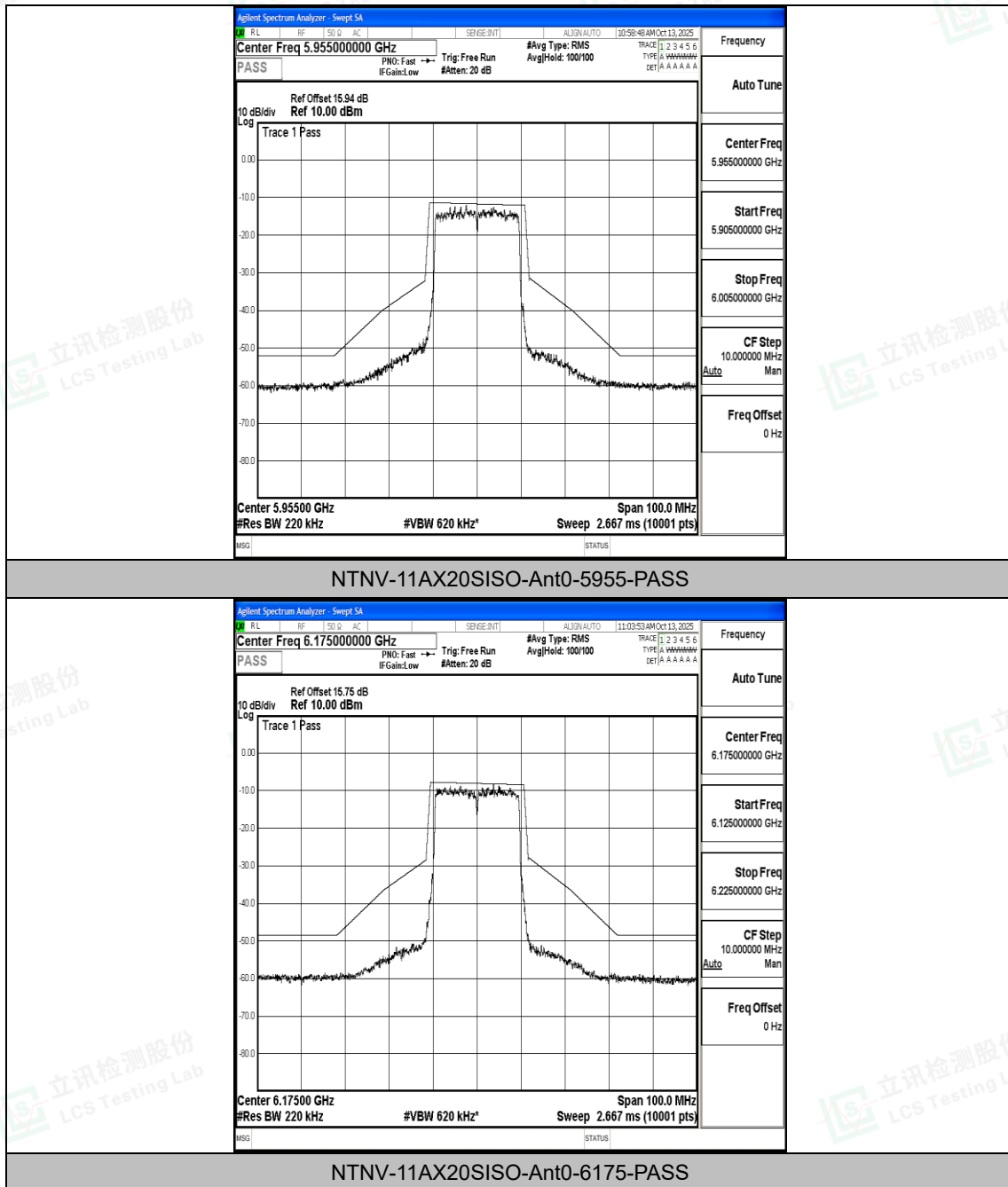
Test Mode	Antenna	Frequency [MHz]	Result	Limit	Verdict
11AX20SISO	Ant0	5955	See test graph	See test graph	PASS
11AX20SISO	Ant0	6175	See test graph	See test graph	PASS
11AX20SISO	Ant0	6415	See test graph	See test graph	PASS
11AX40SISO	Ant0	5965	See test graph	See test graph	PASS
11AX40SISO	Ant0	6165	See test graph	See test graph	PASS
11AX40SISO	Ant0	6405	See test graph	See test graph	PASS
11AX80SISO	Ant0	5985	See test graph	See test graph	PASS
11AX80SISO	Ant0	6145	See test graph	See test graph	PASS
11AX80SISO	Ant0	6385	See test graph	See test graph	PASS
11AX20SISO	Ant0	6435	See test graph	See test graph	PASS
11AX20SISO	Ant0	6475	See test graph	See test graph	PASS
11AX20SISO	Ant0	6515	See test graph	See test graph	PASS
11AX40SISO	Ant0	6445	See test graph	See test graph	PASS
11AX40SISO	Ant0	6485	See test graph	See test graph	PASS
11AX80SISO	Ant0	6465	See test graph	See test graph	PASS

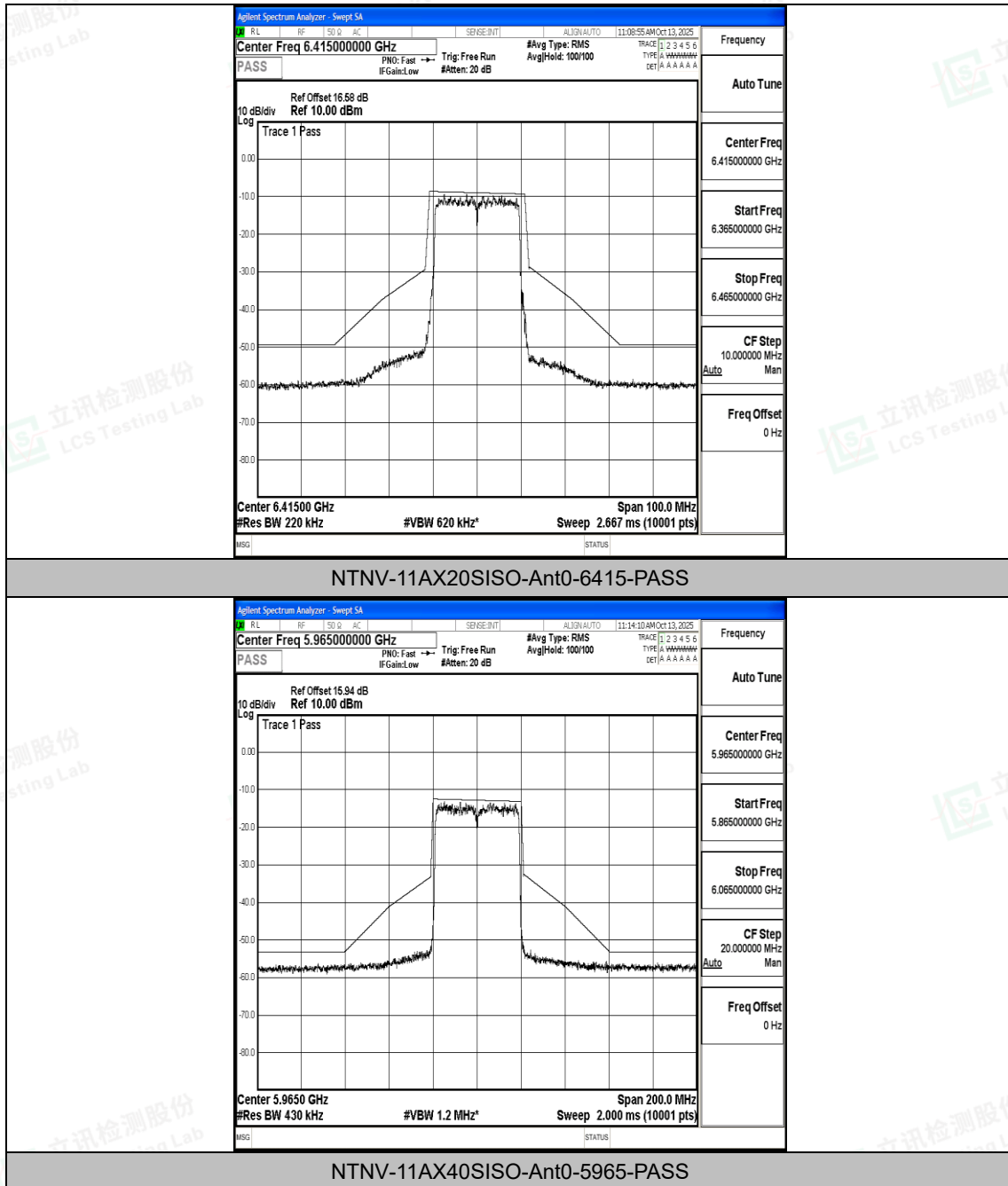


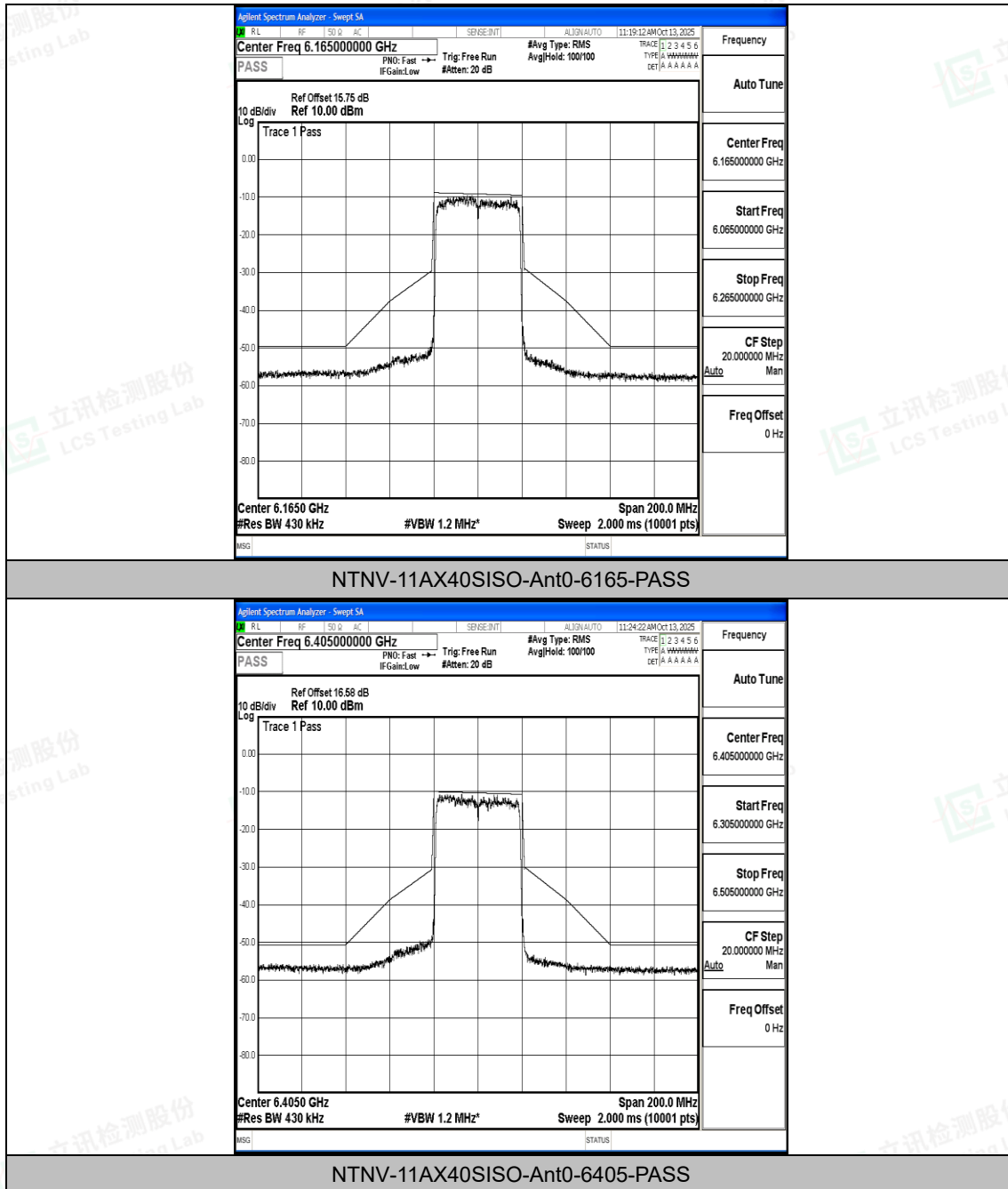
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

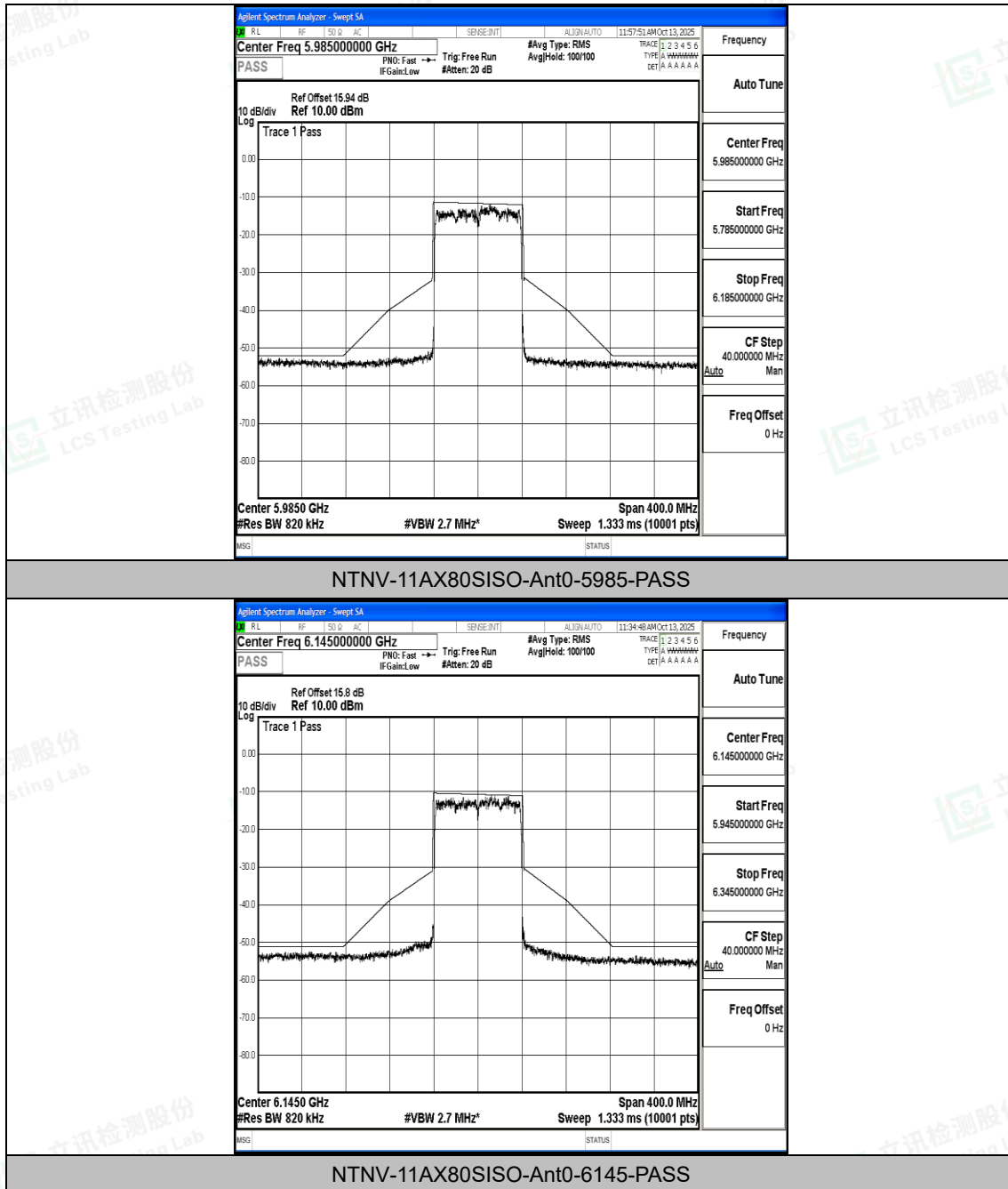


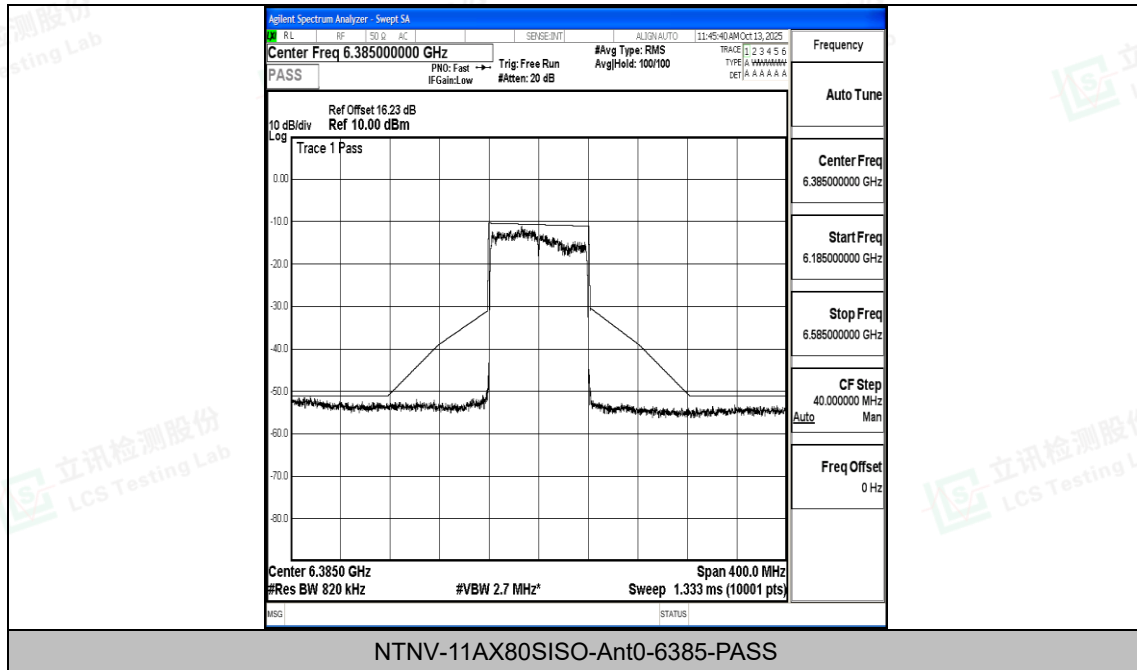
Test Graphs

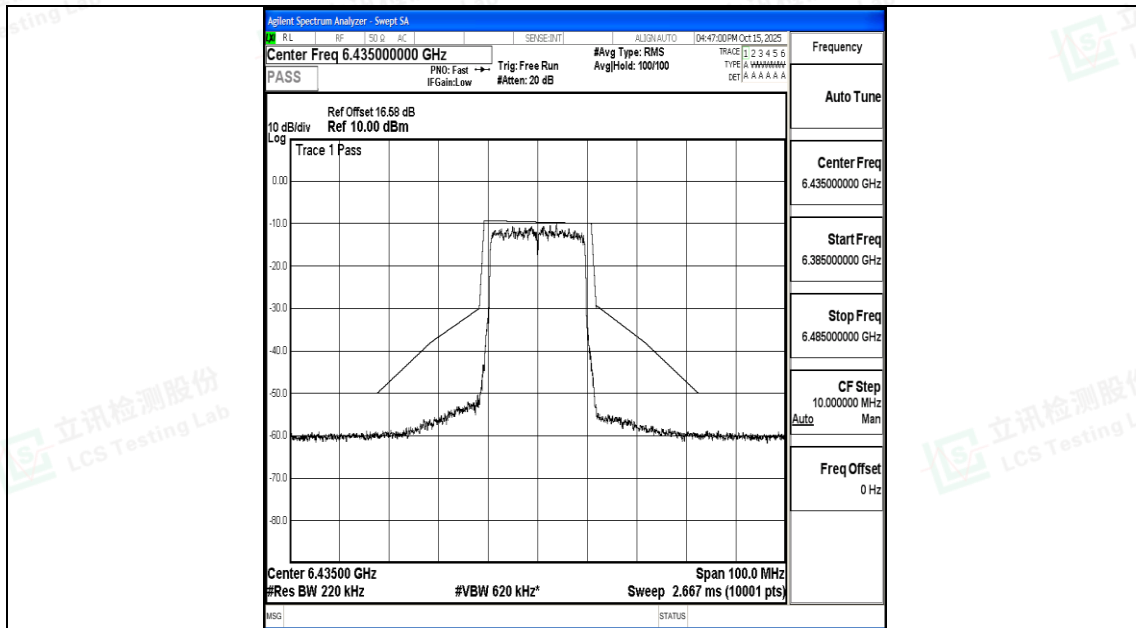




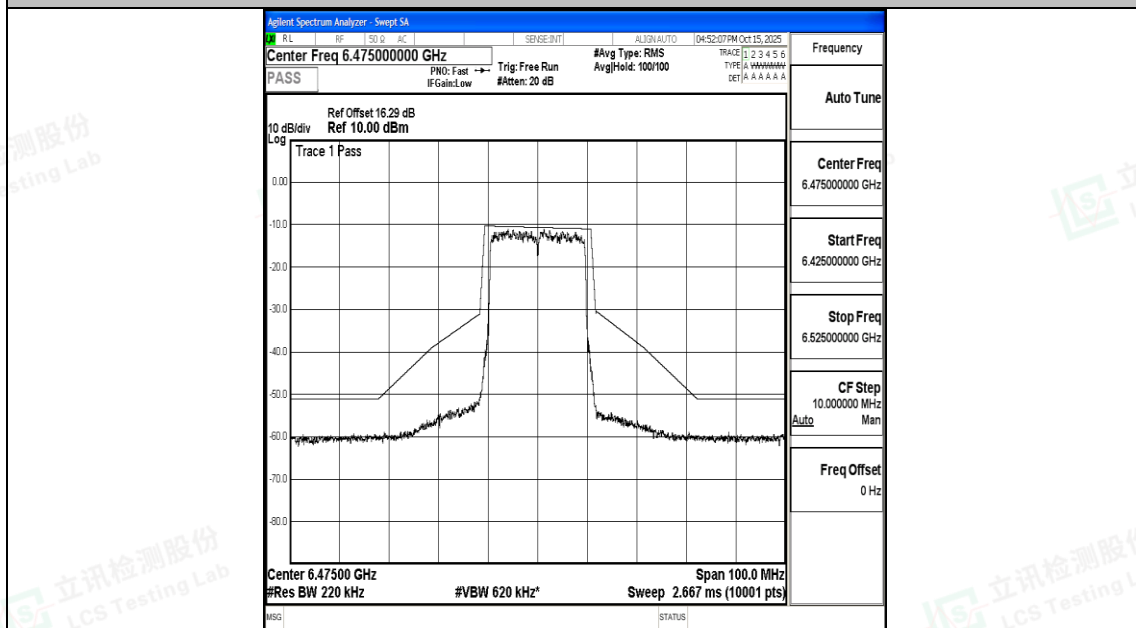






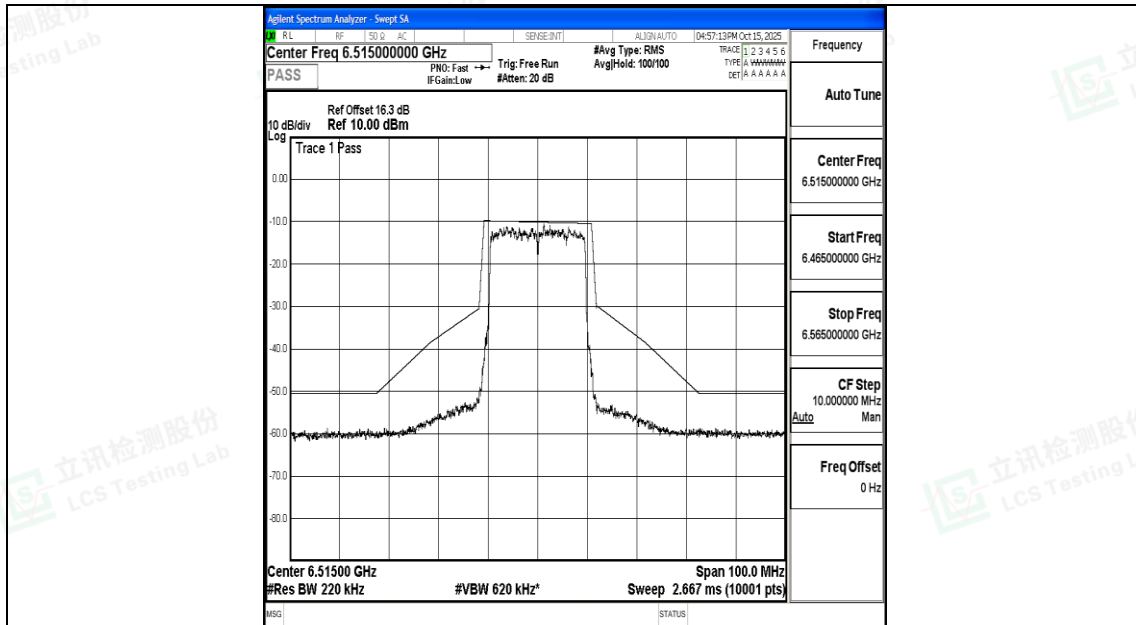


NTNV-11AX20SISO-Ant0-6435-PASS

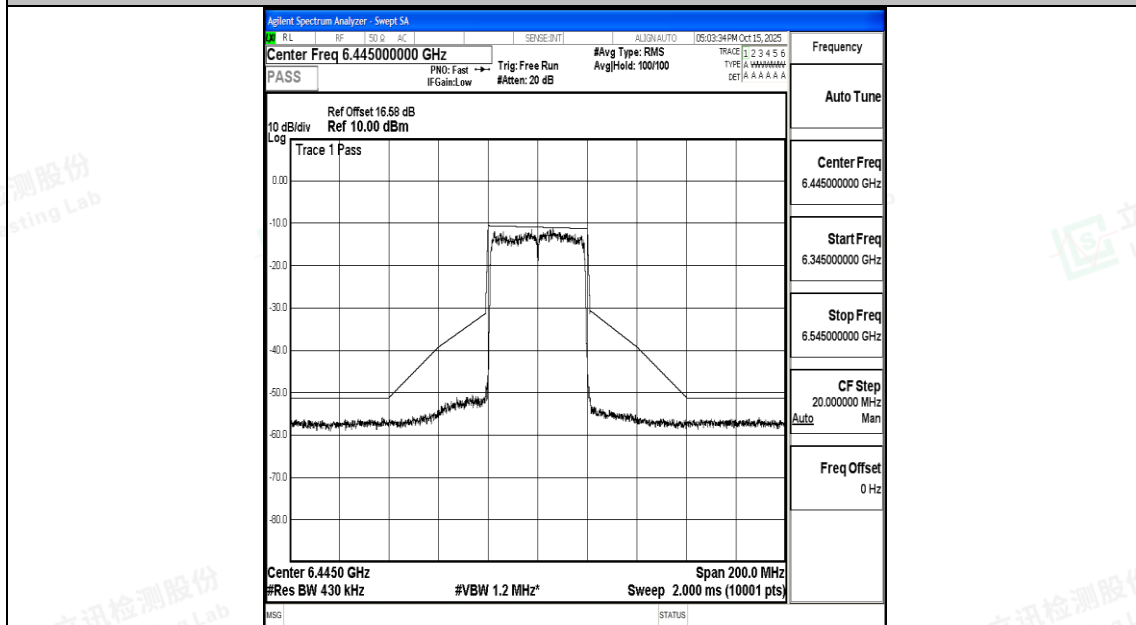


NTNV-11AX20SISO-Ant0-6475-PASS





NTNV-11AX20SISO-Ant0-6515-PASS



NTNV-11AX40SISO-Ant0-6445-PASS

