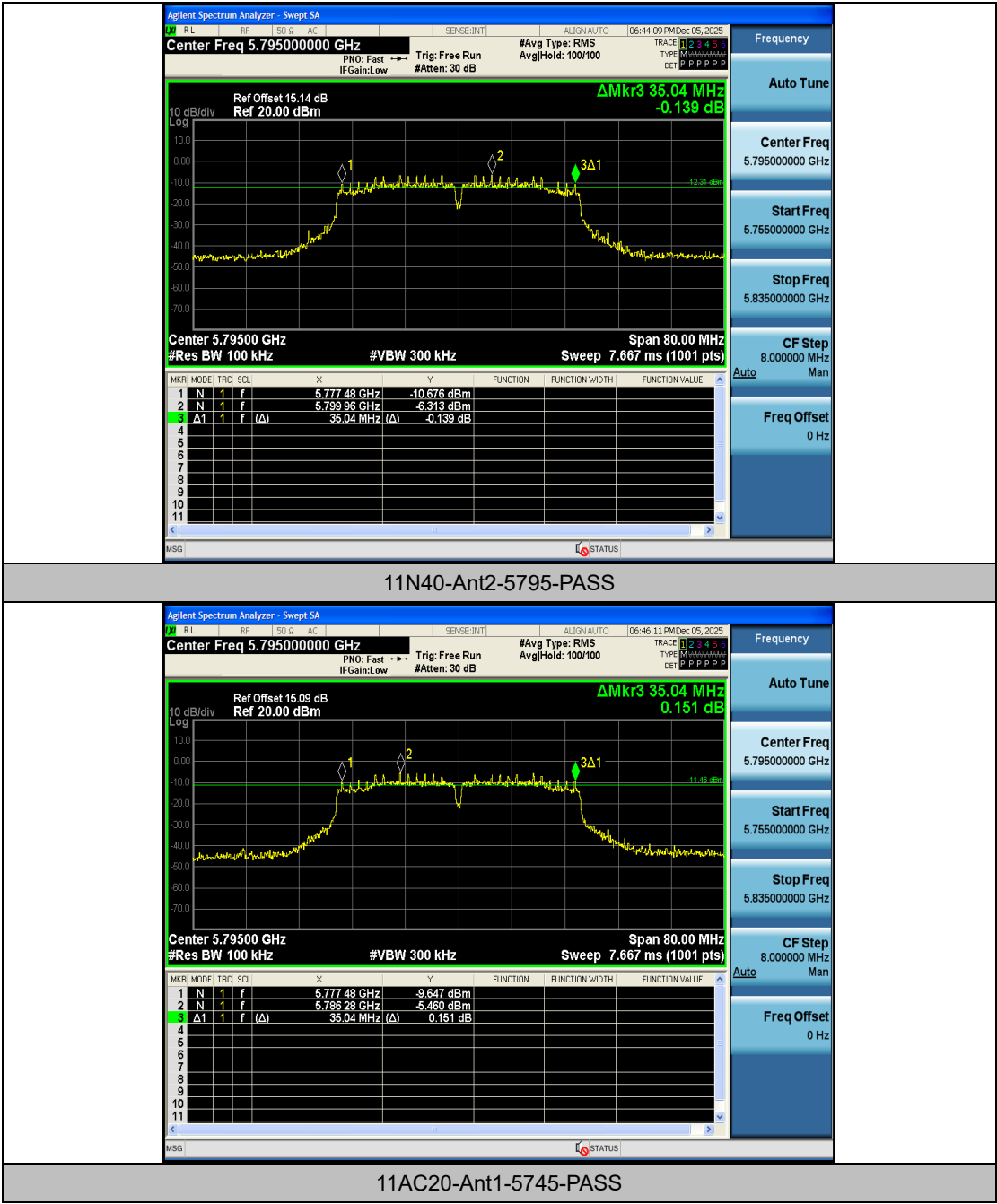
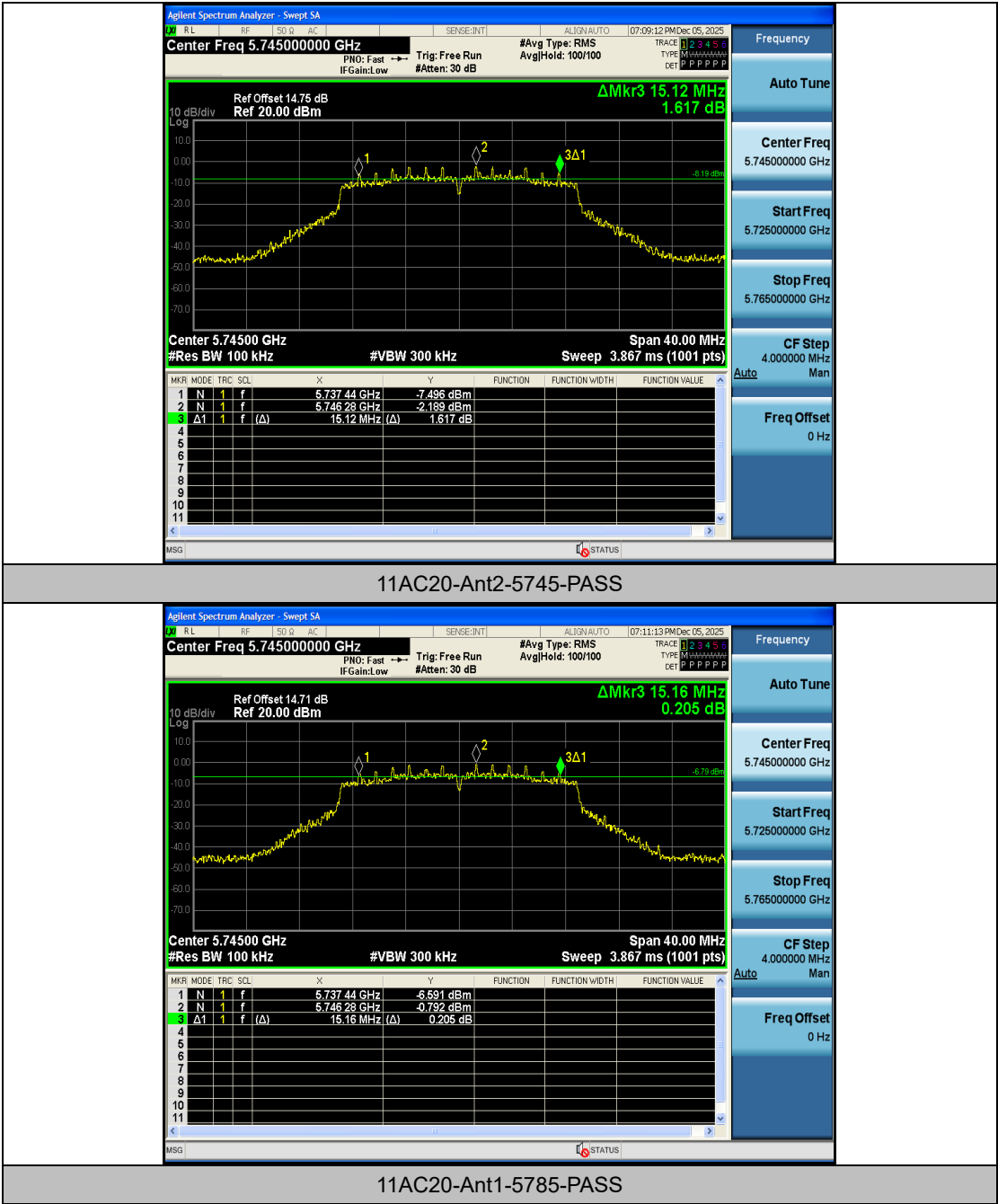
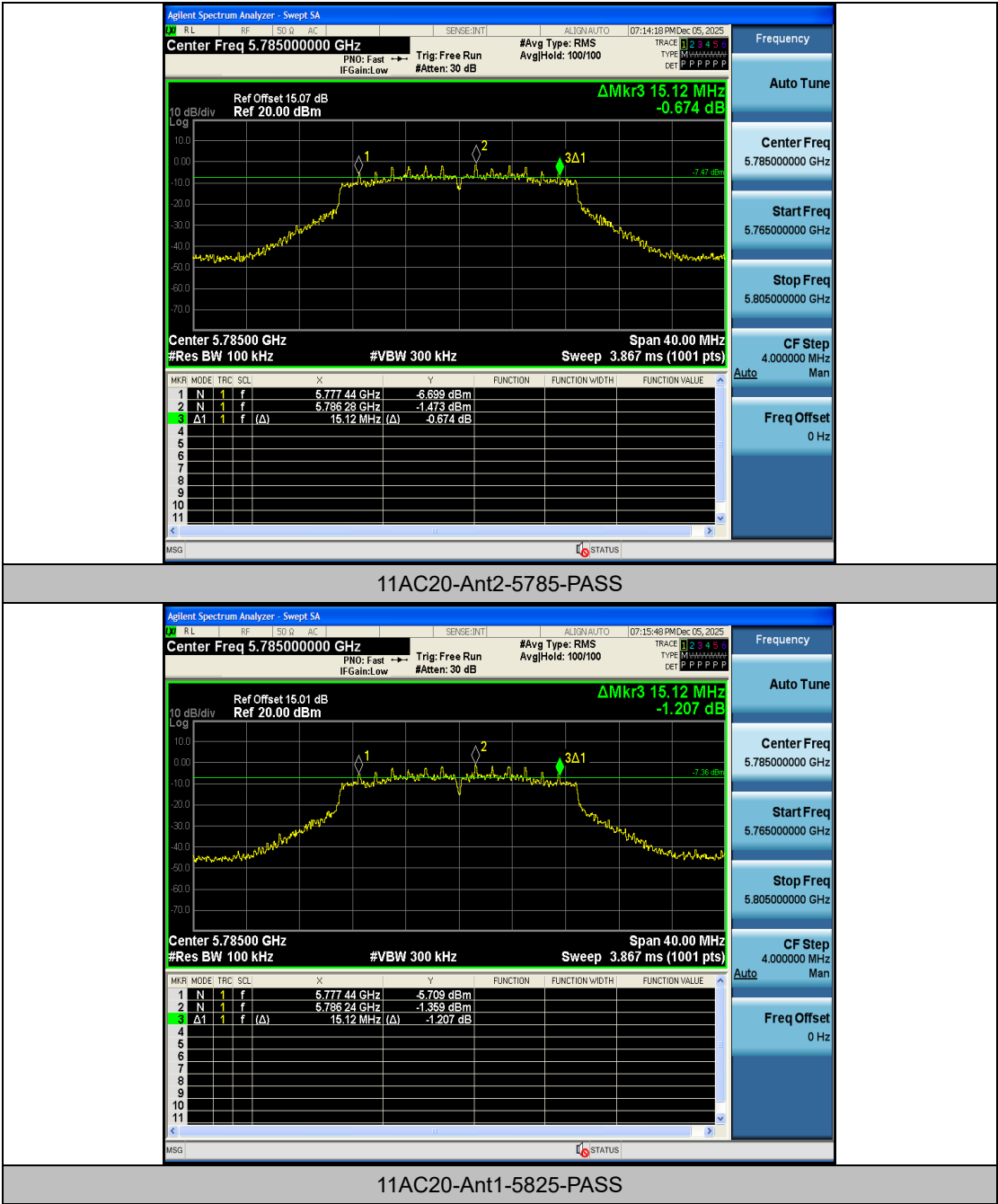








11AC20-Ant2-5785-PASS

Agilent Spectrum Analyzer - Swept SA

RL

RF

50 Ω

AC

SENSE:INT

ALIGN:AUTO

07:15:48 PM Dec 05, 2025

Center Freq 5.785000000 GHz

PNO: Fast

IF Gain: Low

Trig: Free Run

#Atten: 30 dB

#Avg Type: RMS

Avg/Hold: 100/100

TRACE 1 2 3 4 5 6

TYPE MainWave

DET P P P P P P

Frequency

Auto Tune

Center Freq 5.785000000 GHz

Start Freq 5.765000000 GHz

Stop Freq 5.805000000 GHz

CF Step 4.000000 MHz

Auto Man

Freq Offset 0 Hz

Ref Offset 15.01 dB

Ref 20.00 dBm

ΔMkr3 15.12 MHz

-1.207 dB

-7.38 dBm

Center 5.78500 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 40.00 MHz

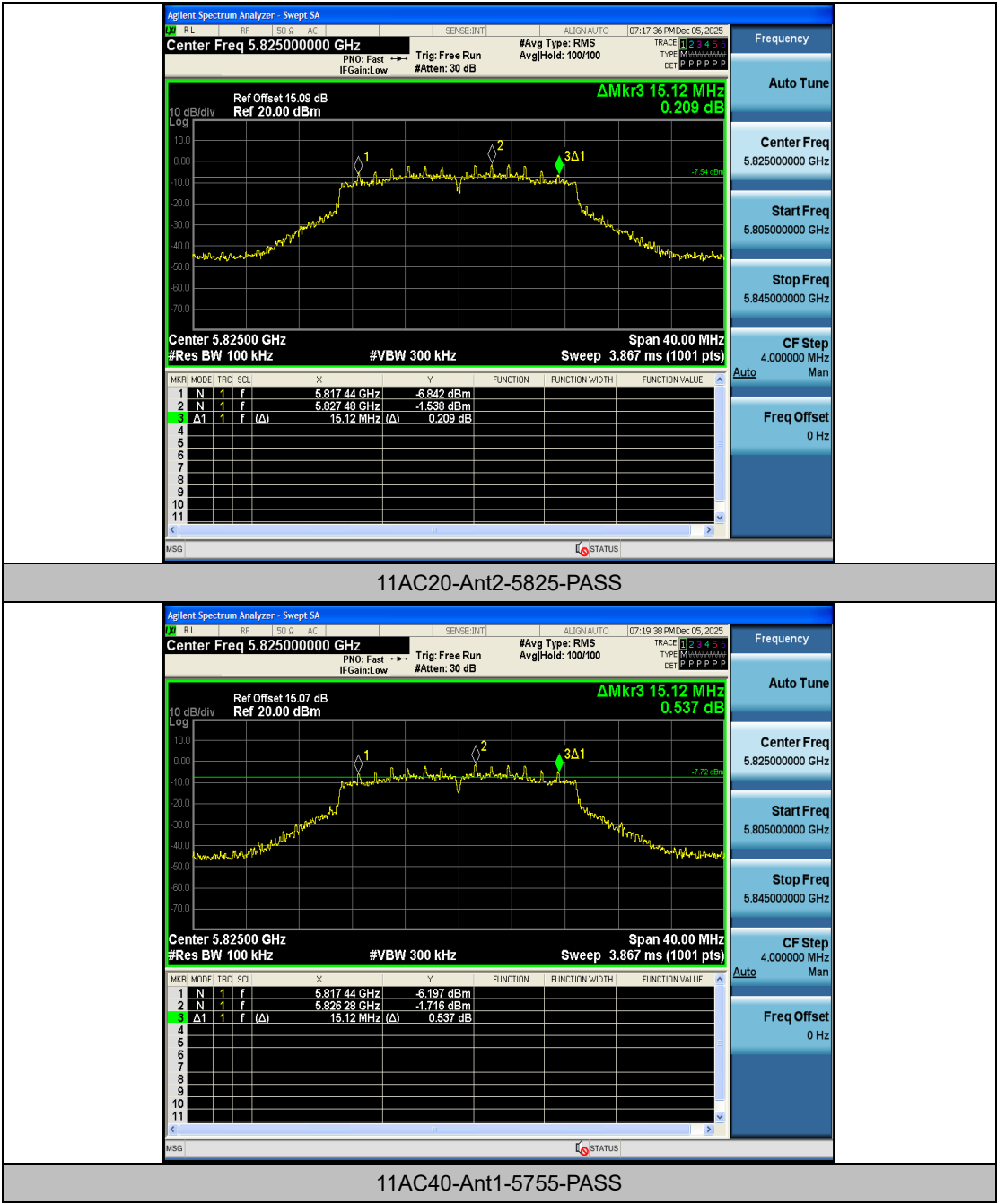
Sweep 3.867 ms (1001 pts)

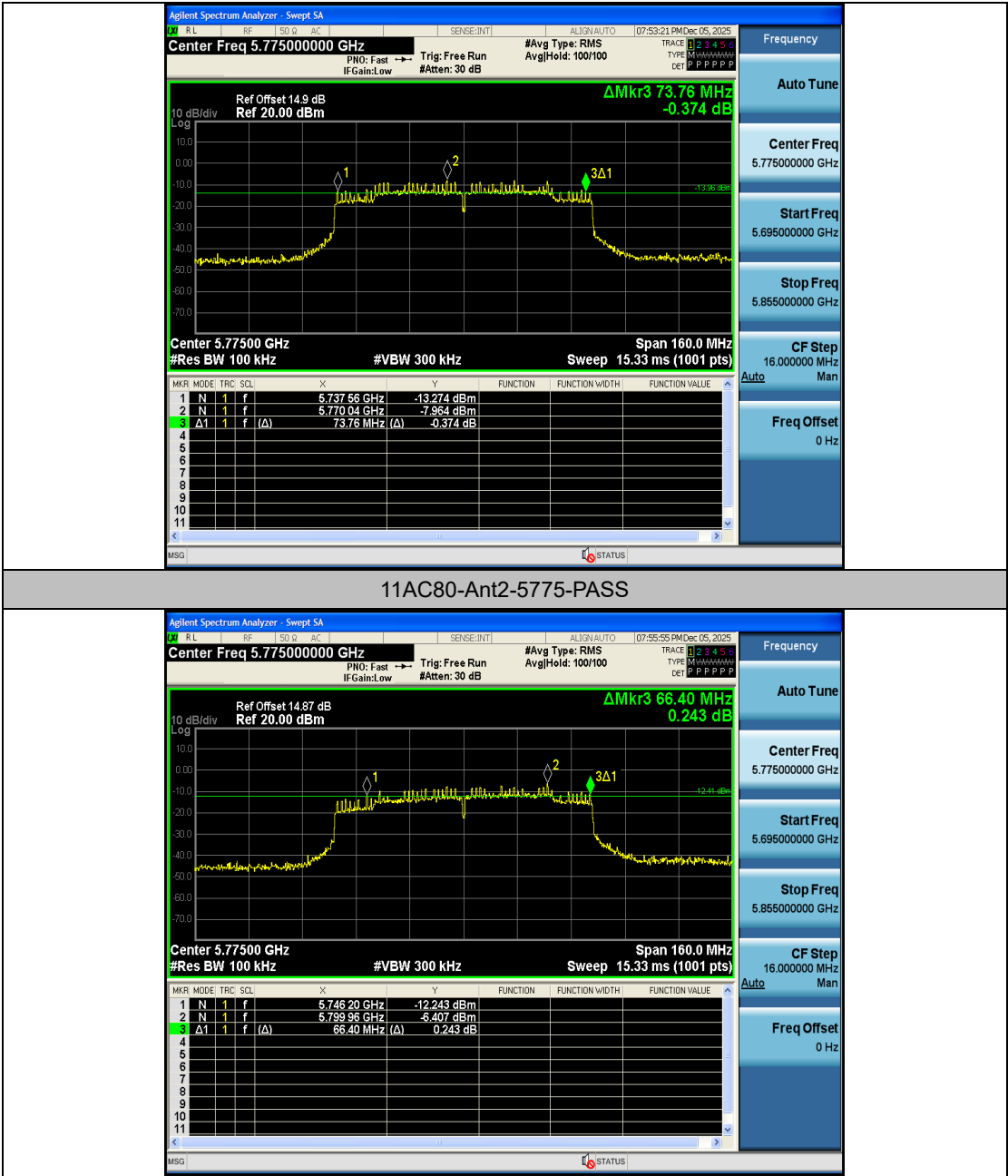
MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.777 44 GHz	-5.709 dBm			
2	N	1	f	5.786 24 GHz	-1.359 dBm			
3	Δ1	1	f (Δ)	15.12 MHz (Δ)	-1.207 dB			
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

11AC20-Ant1-5825-PASS





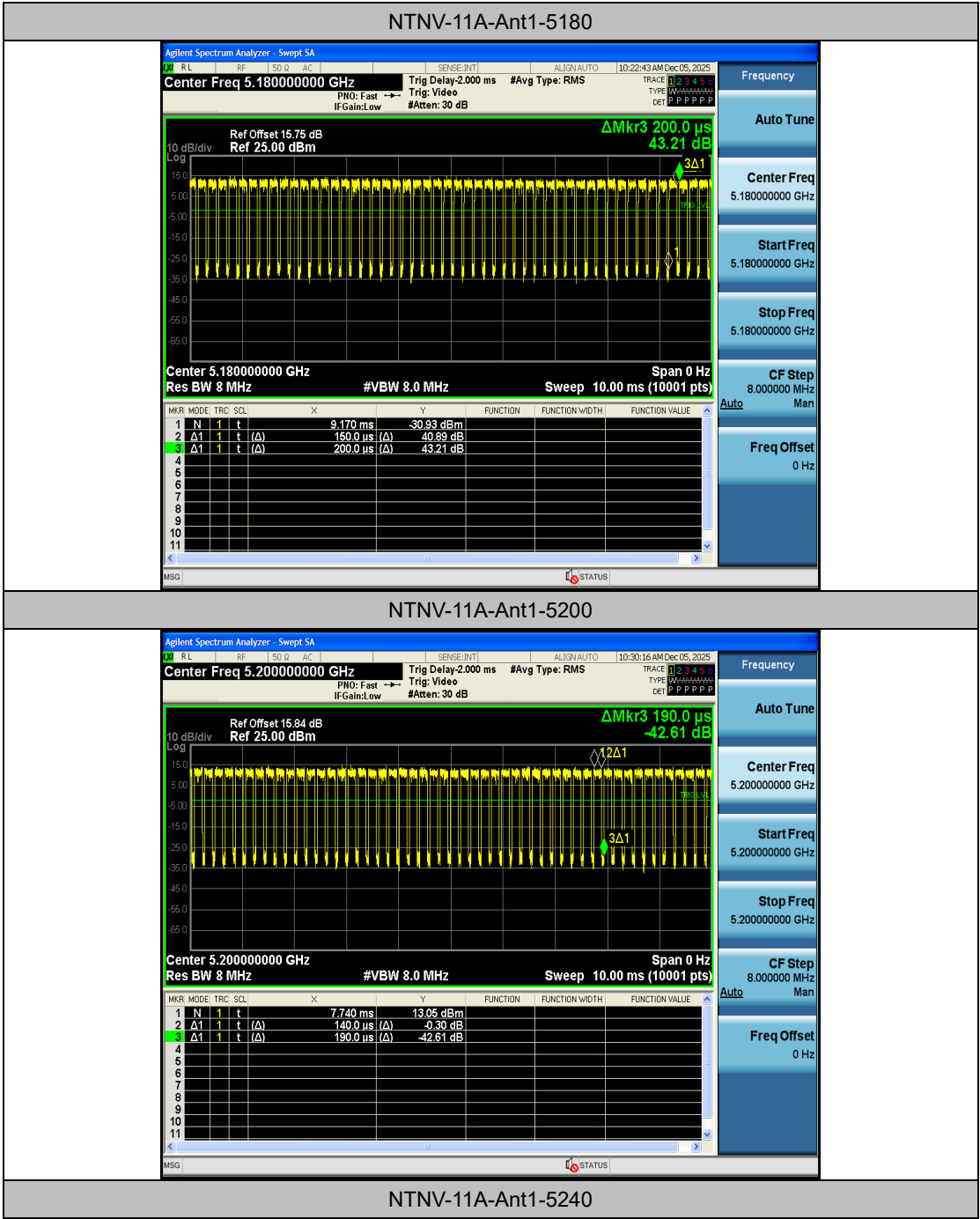
Appendix B: Duty Cycle

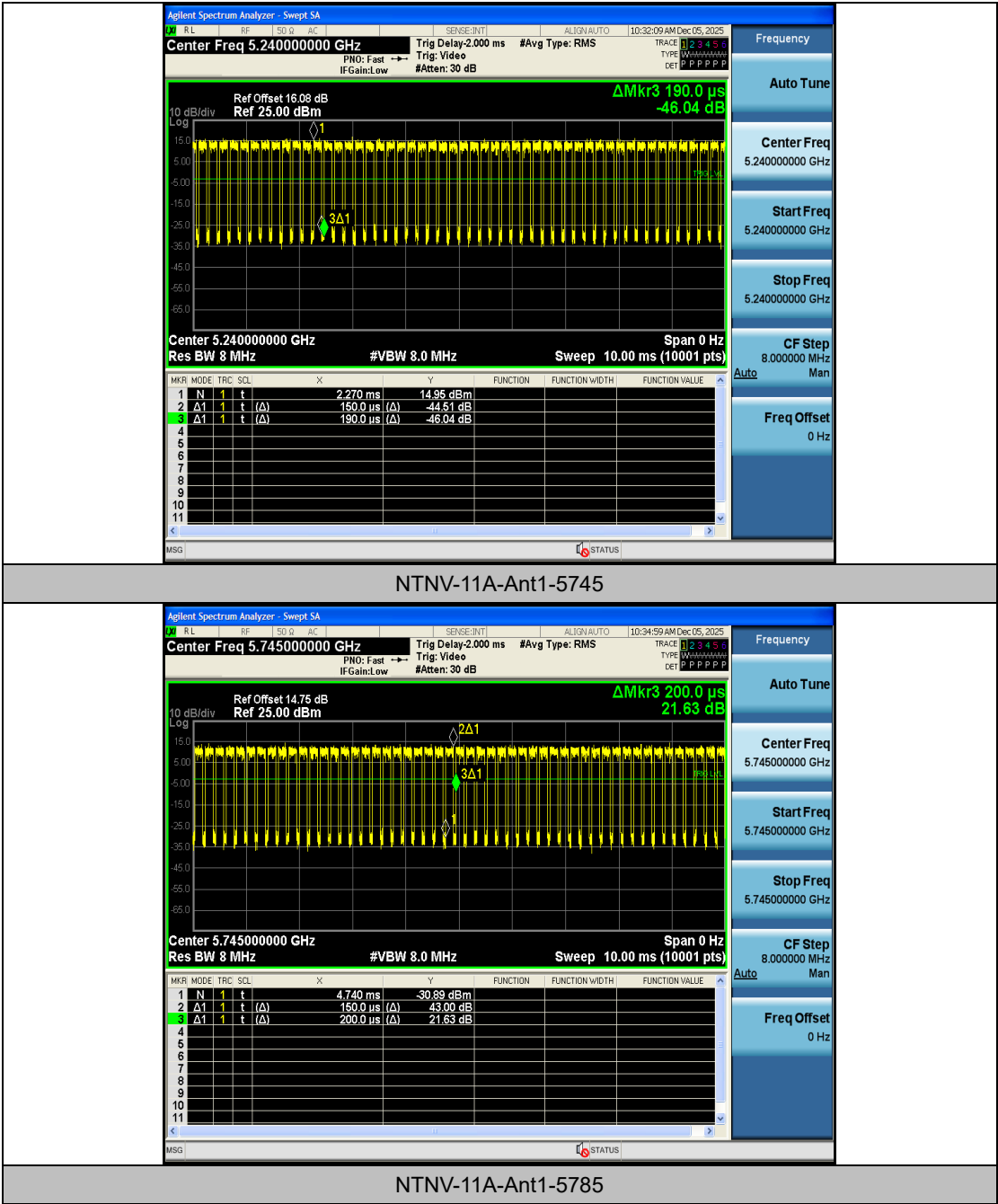
Test Result

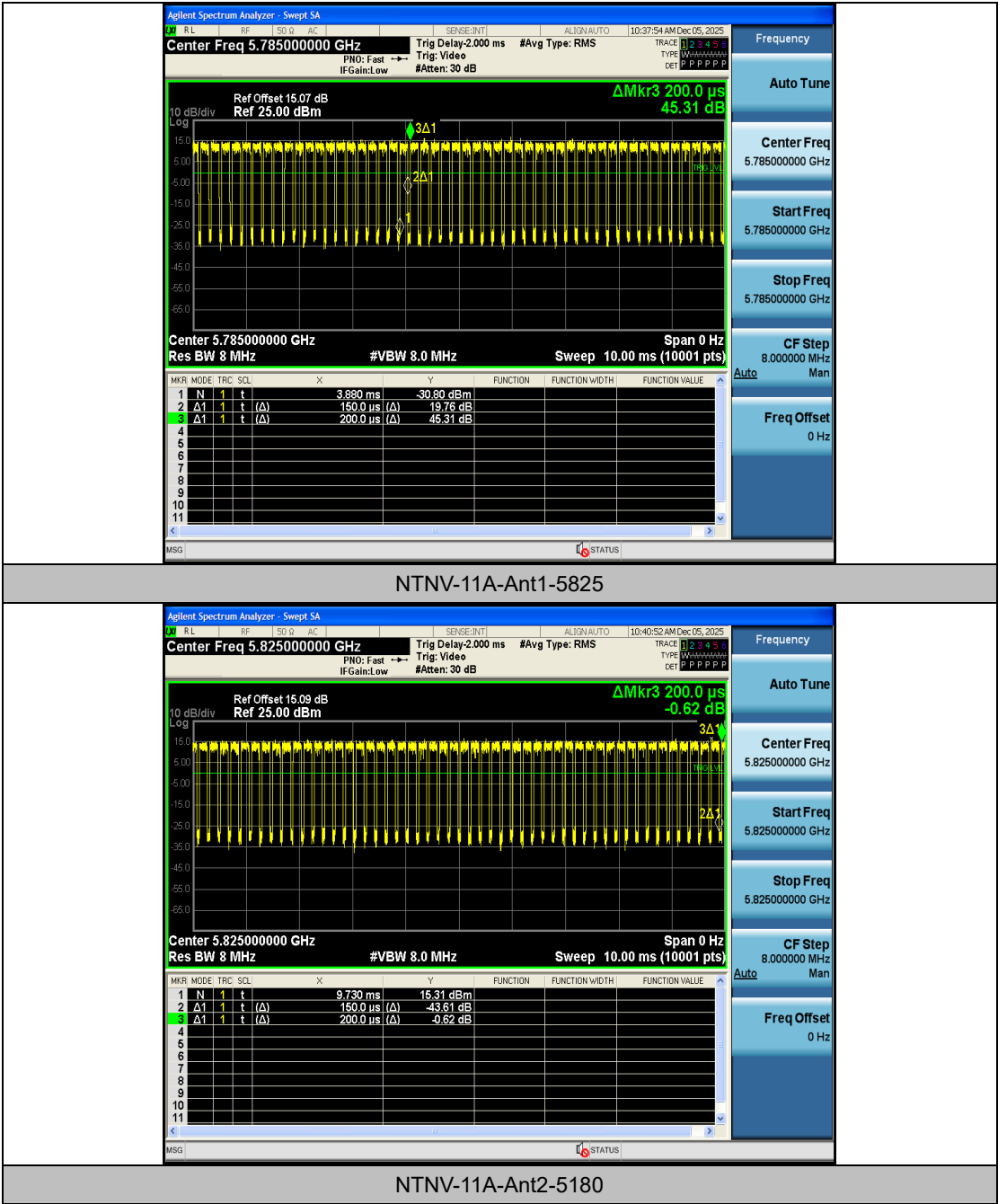
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.15	0.20	75.00
11A	Ant1	5200	0.14	0.19	73.68
11A	Ant1	5240	0.15	0.19	78.95
11A	Ant1	5745	0.15	0.20	75.00
11A	Ant1	5785	0.15	0.20	75.00
11A	Ant1	5825	0.15	0.20	75.00
11A	Ant2	5180	0.15	0.20	75.00
11A	Ant2	5200	0.15	0.20	75.00
11A	Ant2	5240	0.15	0.19	78.95
11A	Ant2	5745	0.15	0.20	75.00
11A	Ant2	5785	0.15	0.20	75.00
11A	Ant2	5825	0.15	0.20	75.00
11N20	Ant1	5180	0.32	0.37	86.49
11N20	Ant2	5180	0.31	0.36	86.11
11N20	Ant1	5200	0.31	0.36	86.11
11N20	Ant2	5200	0.31	0.36	86.11
11N20	Ant1	5240	0.31	0.36	86.11
11N20	Ant2	5240	0.31	0.36	86.11
11N20	Ant1	5745	0.31	0.36	86.11
11N20	Ant2	5745	0.31	0.36	86.11
11N20	Ant1	5785	0.31	0.36	86.11
11N20	Ant2	5785	0.32	0.37	86.49
11N20	Ant1	5825	0.31	0.36	86.11
11N20	Ant2	5825	0.31	0.36	86.11
11N40	Ant1	5190	0.32	0.38	84.21
11N40	Ant2	5190	0.32	0.37	86.49
11N40	Ant1	5230	0.32	0.37	86.49
11N40	Ant2	5230	0.32	0.37	86.49
11N40	Ant1	5755	0.32	0.37	86.49
11N40	Ant2	5755	0.32	0.37	86.49
11N40	Ant1	5795	0.32	0.37	86.49
11N40	Ant2	5795	0.32	0.37	86.49
11AC20	Ant1	5180	0.28	0.33	84.85
11AC20	Ant2	5180	0.28	0.33	84.85
11AC20	Ant1	5200	0.28	0.33	84.85
11AC20	Ant2	5200	0.28	0.33	84.85
11AC20	Ant1	5240	0.28	0.33	84.85

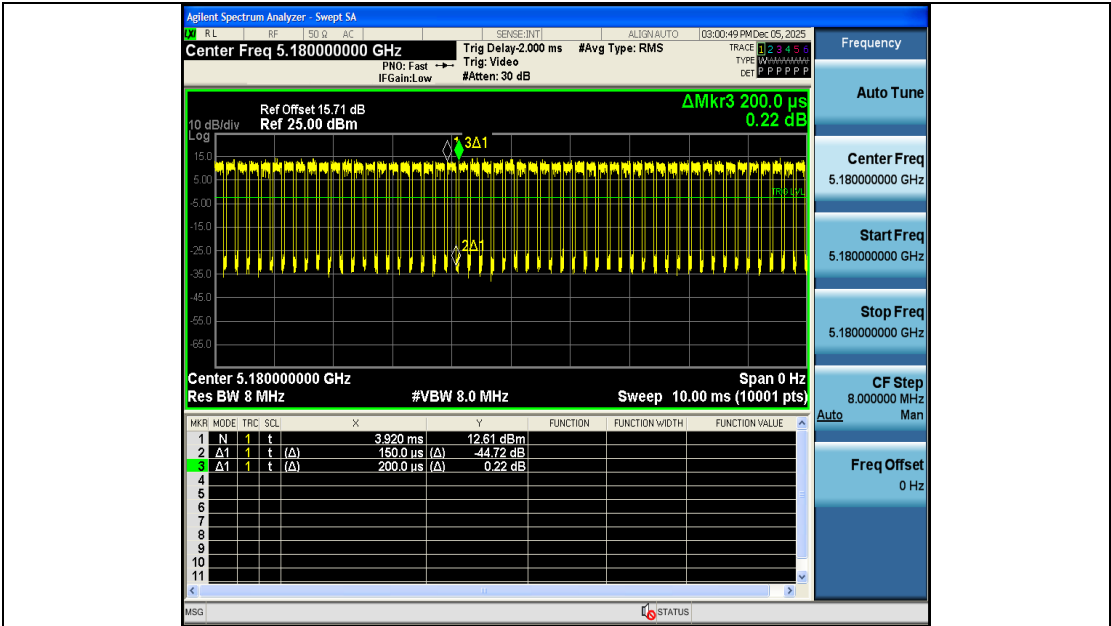
11AC20	Ant2	5240	0.28	0.33	84.85
11AC20	Ant1	5745	0.28	0.33	84.85
11AC20	Ant2	5745	0.28	0.33	84.85
11AC20	Ant1	5785	0.28	0.33	84.85
11AC20	Ant2	5785	0.28	0.33	84.85
11AC20	Ant1	5825	0.28	0.33	84.85
11AC20	Ant2	5825	0.28	0.33	84.85
11AC40	Ant1	5190	0.28	0.33	84.85
11AC40	Ant2	5190	0.28	0.34	82.35
11AC40	Ant1	5230	0.28	0.33	84.85
11AC40	Ant2	5230	0.28	0.33	84.85
11AC40	Ant1	5755	0.28	0.33	84.85
11AC40	Ant2	5755	0.28	0.33	84.85
11AC40	Ant1	5795	0.28	0.33	84.85
11AC40	Ant2	5795	0.28	0.33	84.85
11AC80	Ant1	5210	0.28	0.33	84.85
11AC80	Ant2	5210	0.28	0.34	82.35
11AC80	Ant1	5775	0.28	0.33	84.85
11AC80	Ant2	5775	0.28	0.34	82.35

Test Graphs

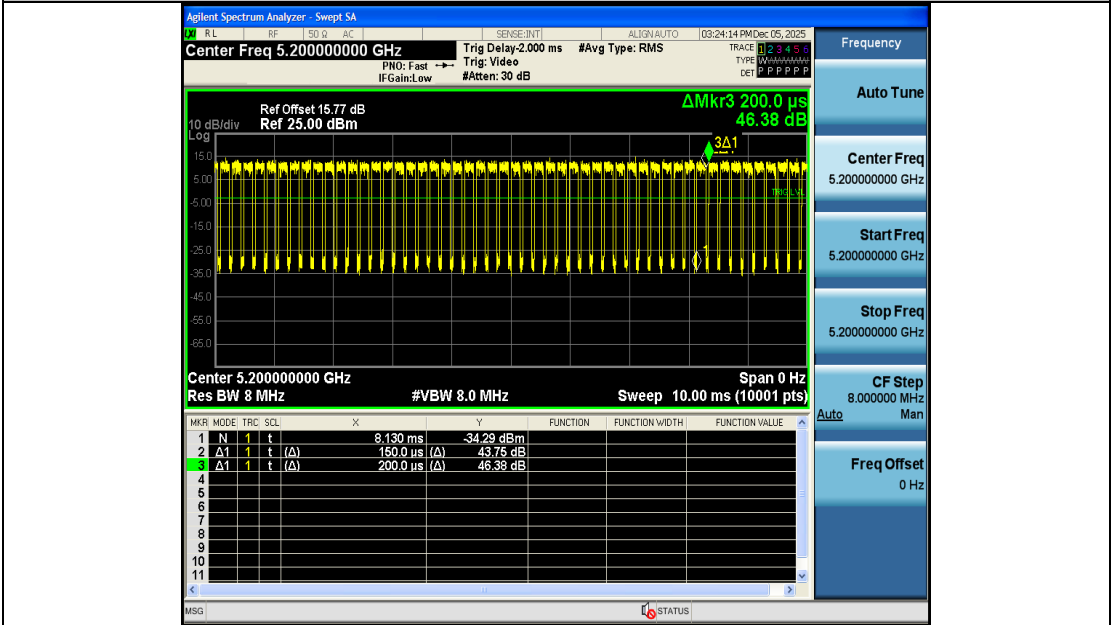




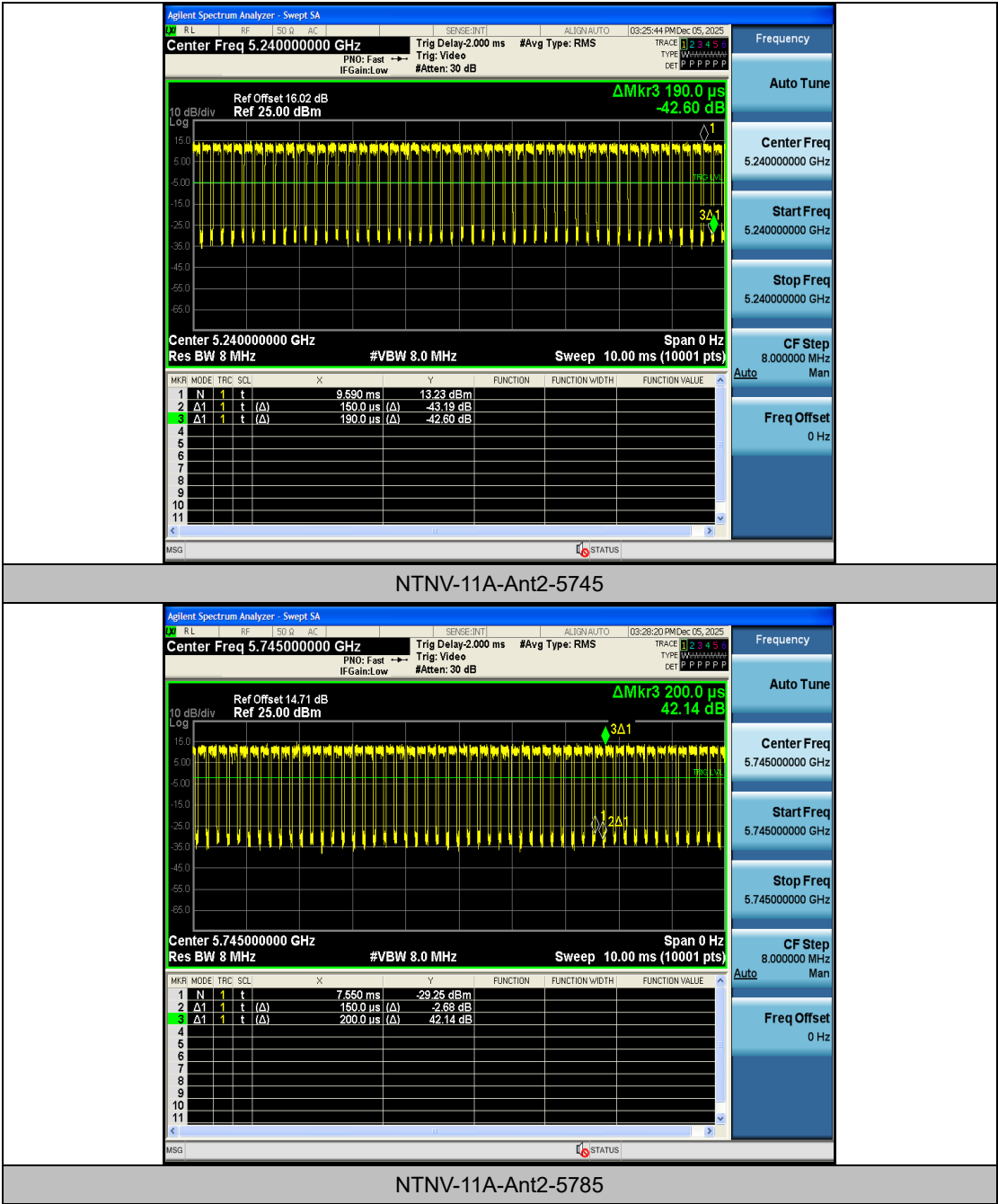


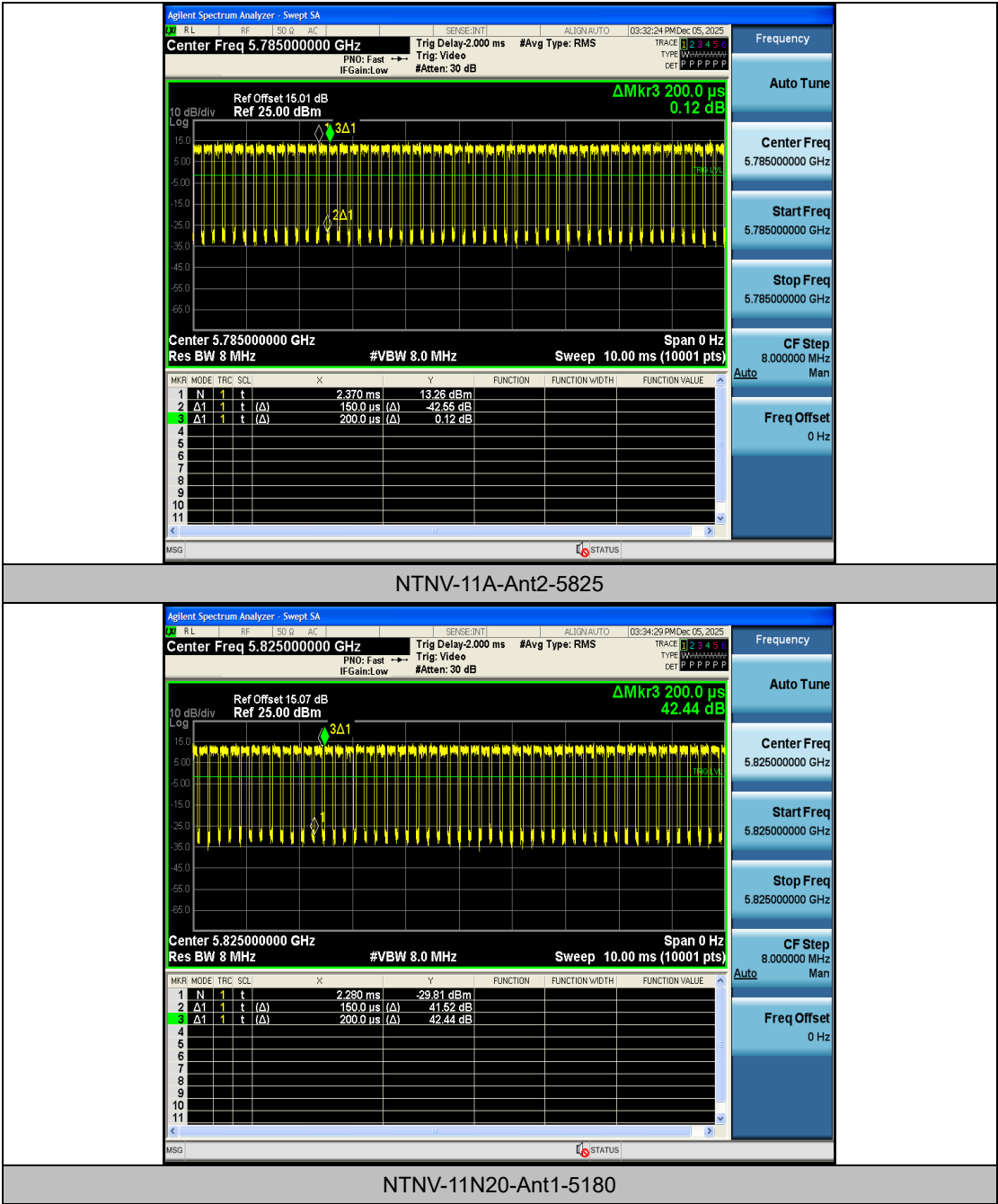


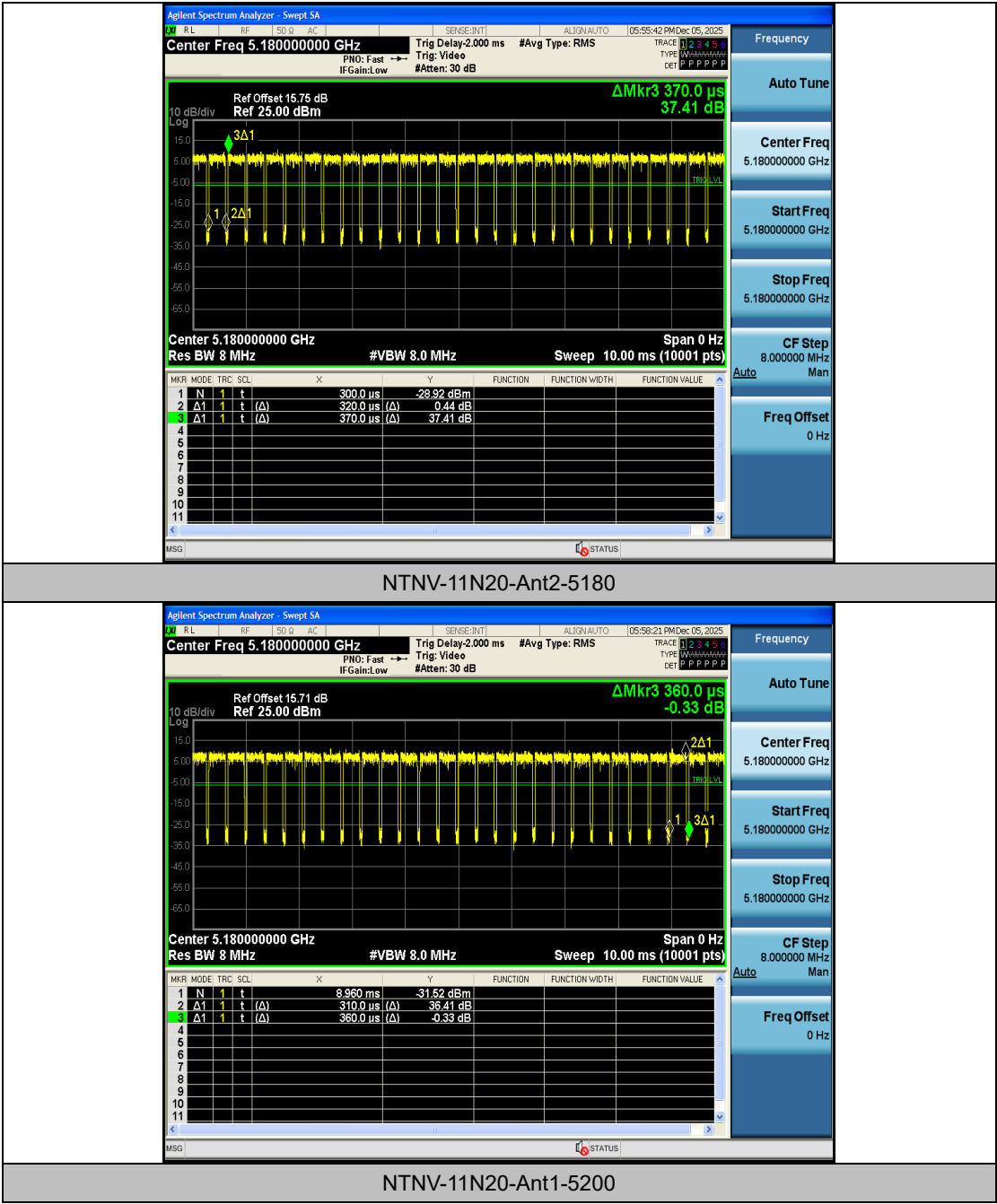
NTNV-11A-Ant2-5200

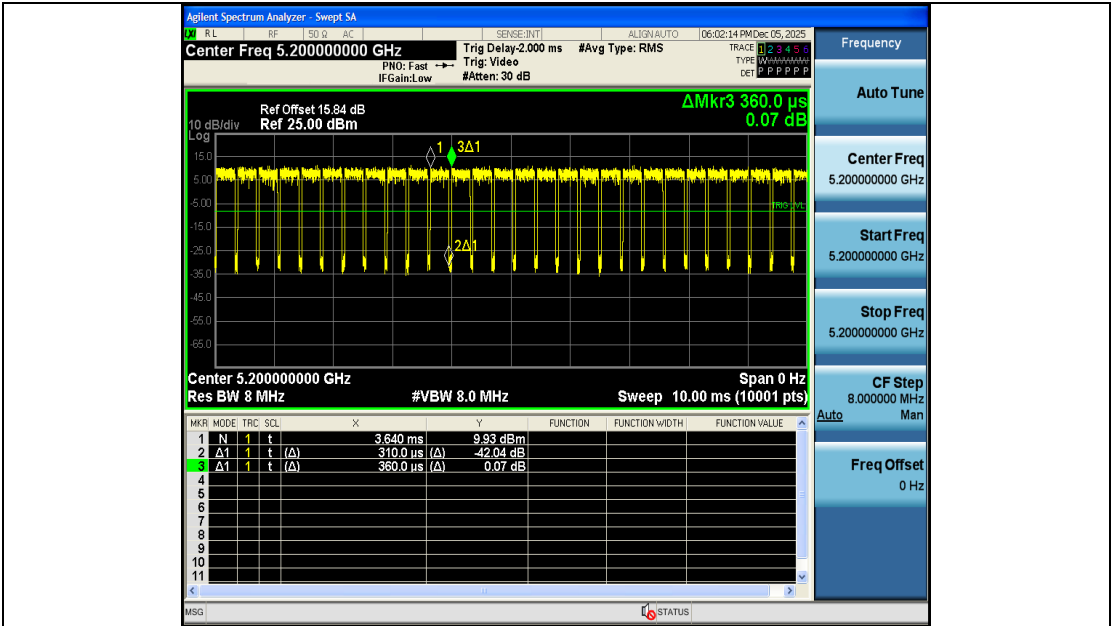


NTNV-11A-Ant2-5240

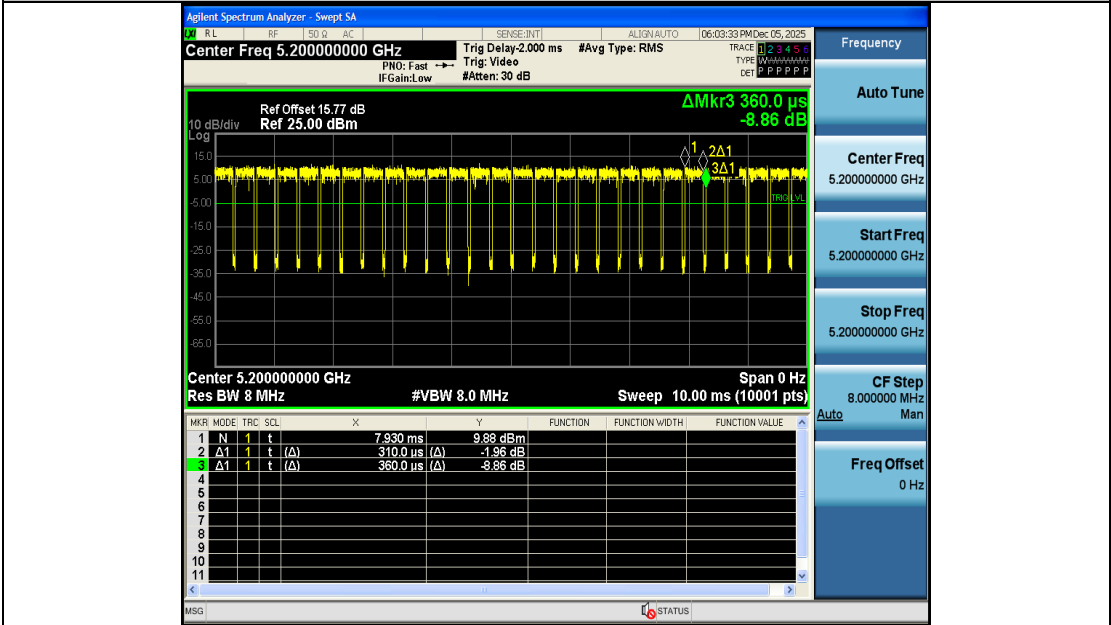




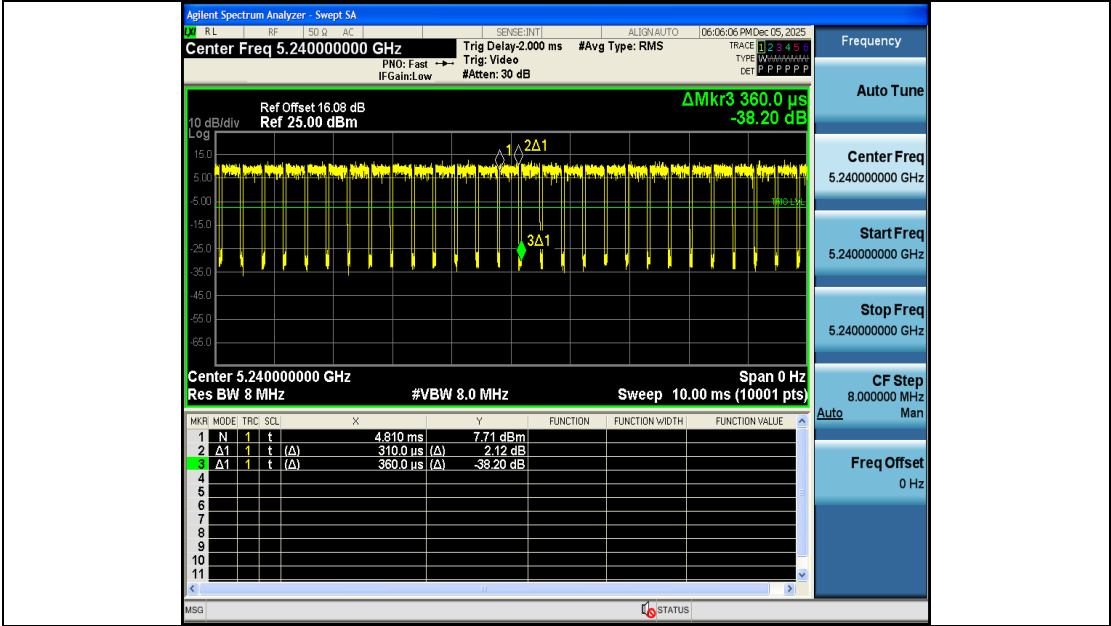




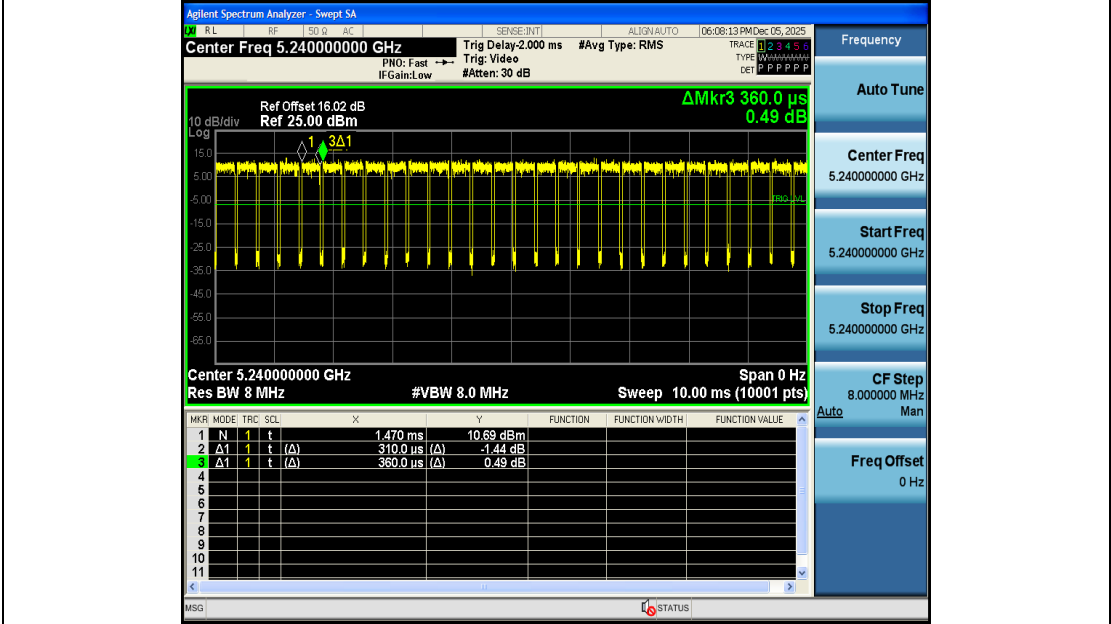
NTNV-11N20-Ant2-5200



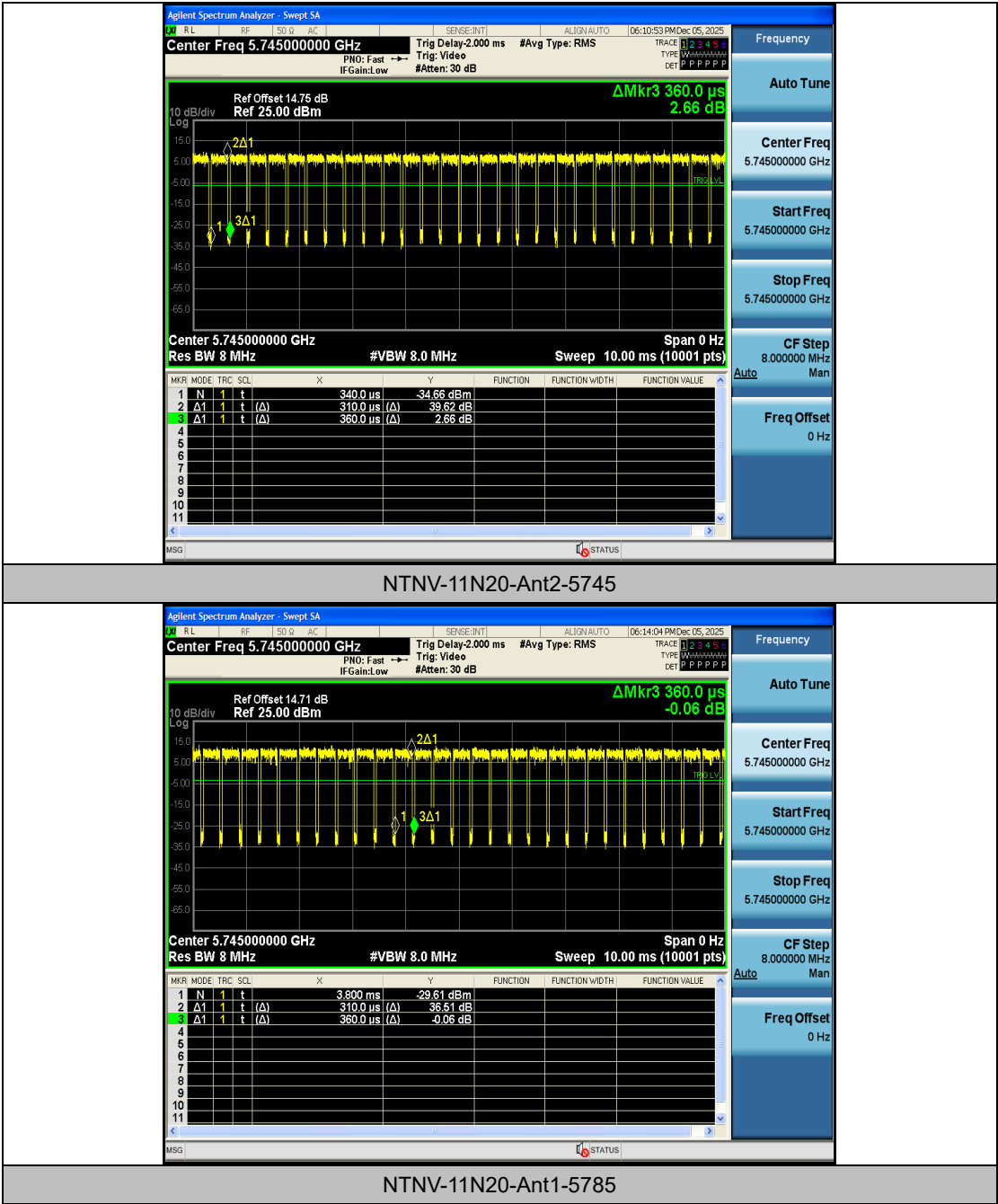
NTNV-11N20-Ant1-5240

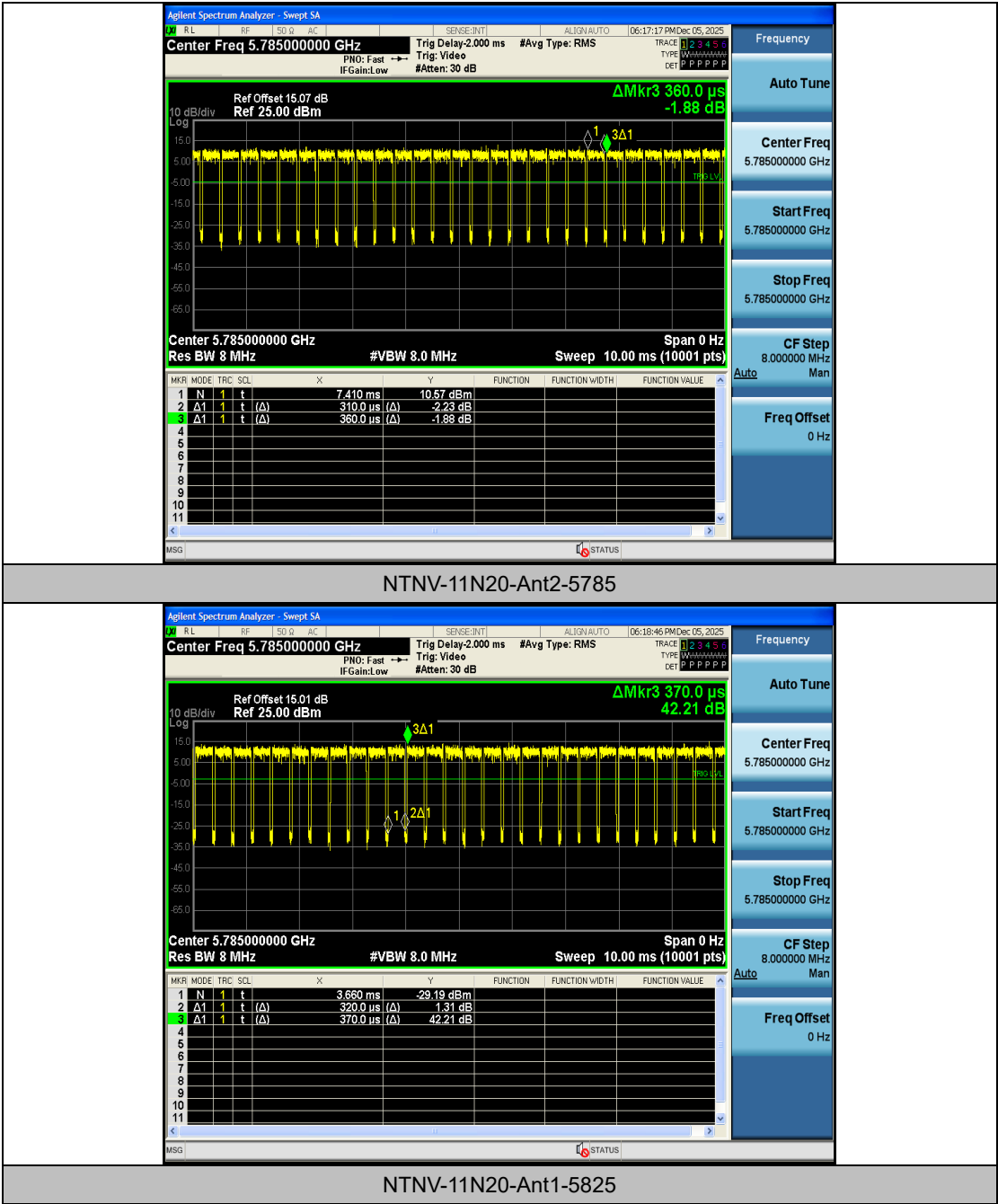


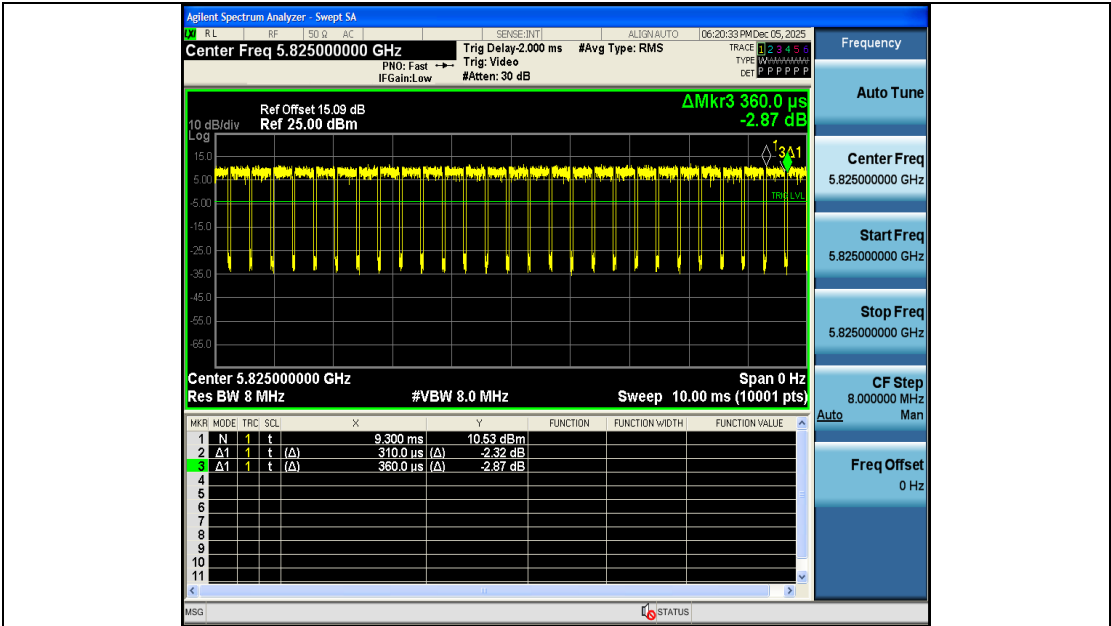
NTNV-11N20-Ant2-5240



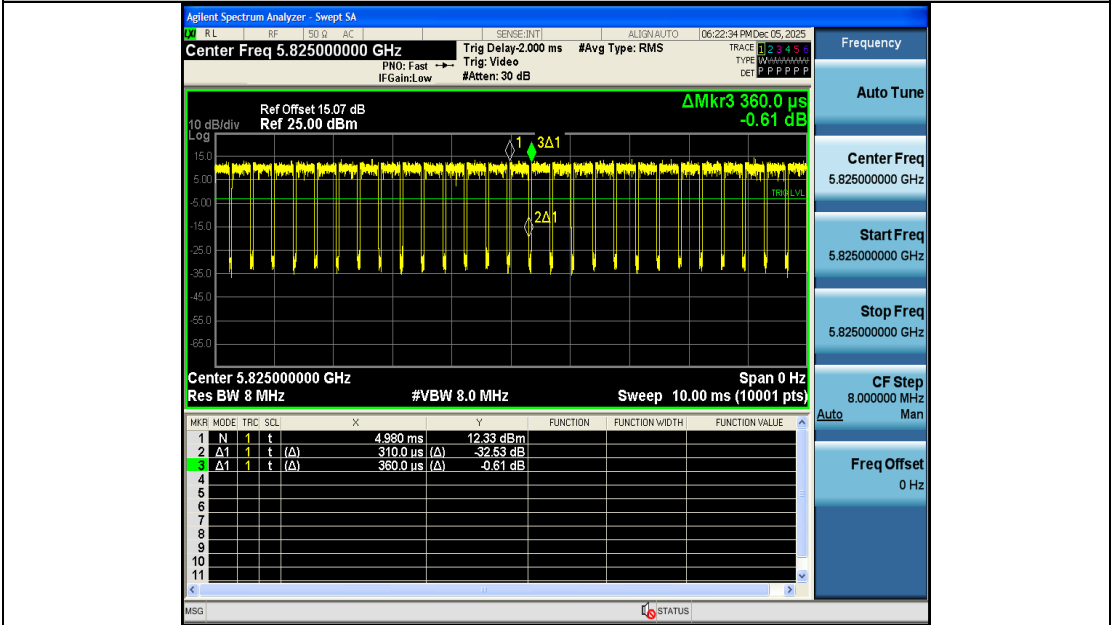
NTNV-11N20-Ant1-5745



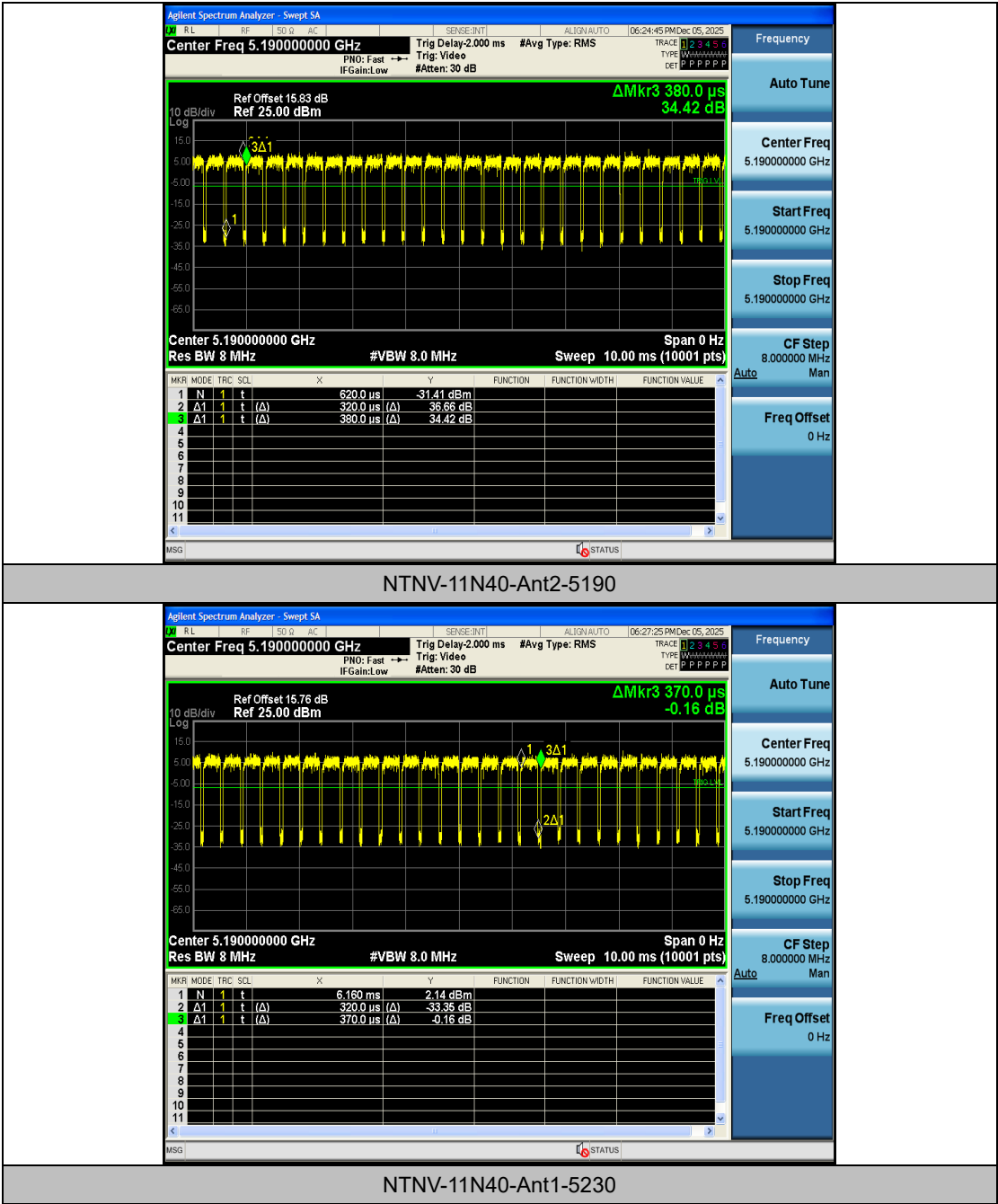


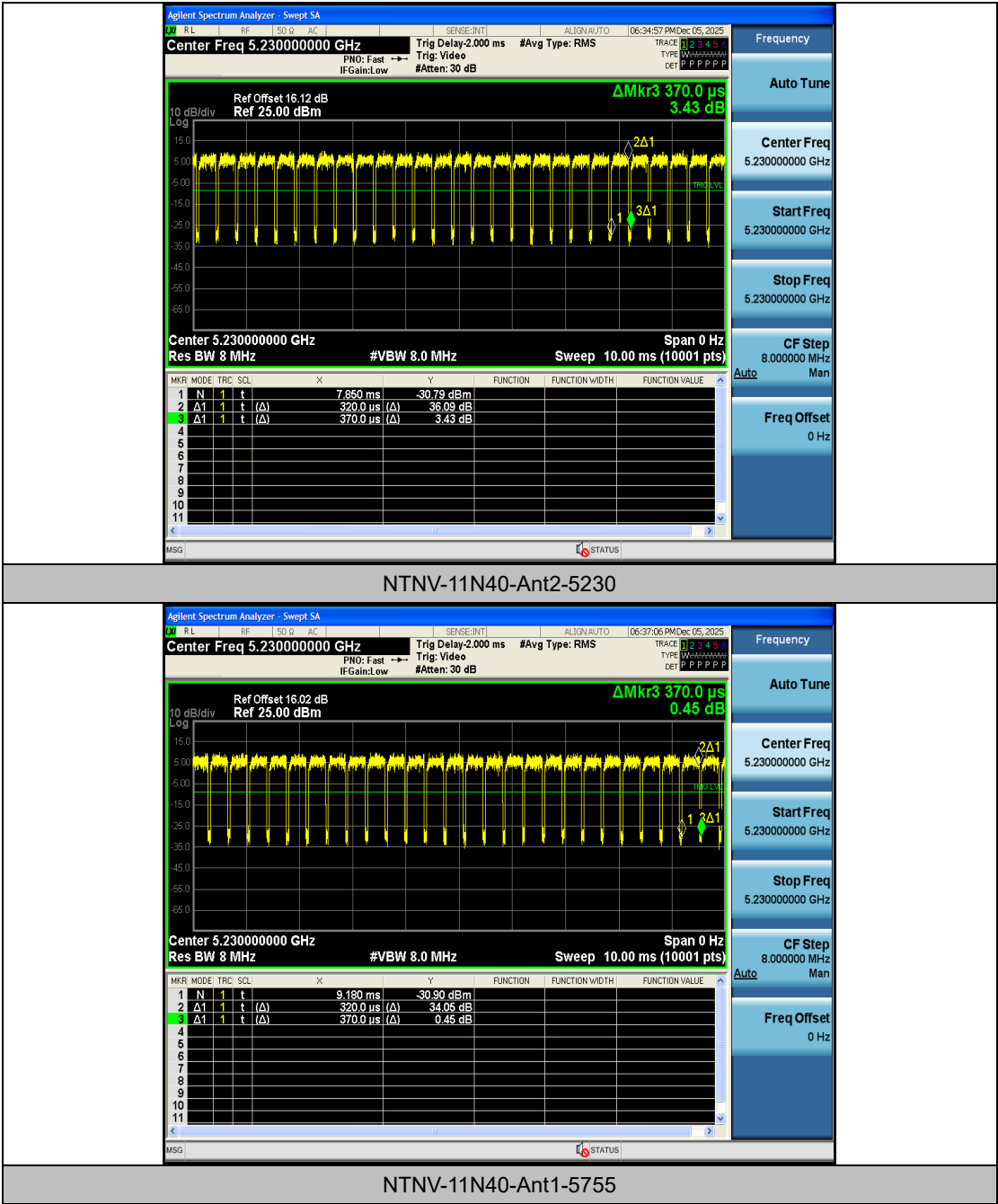


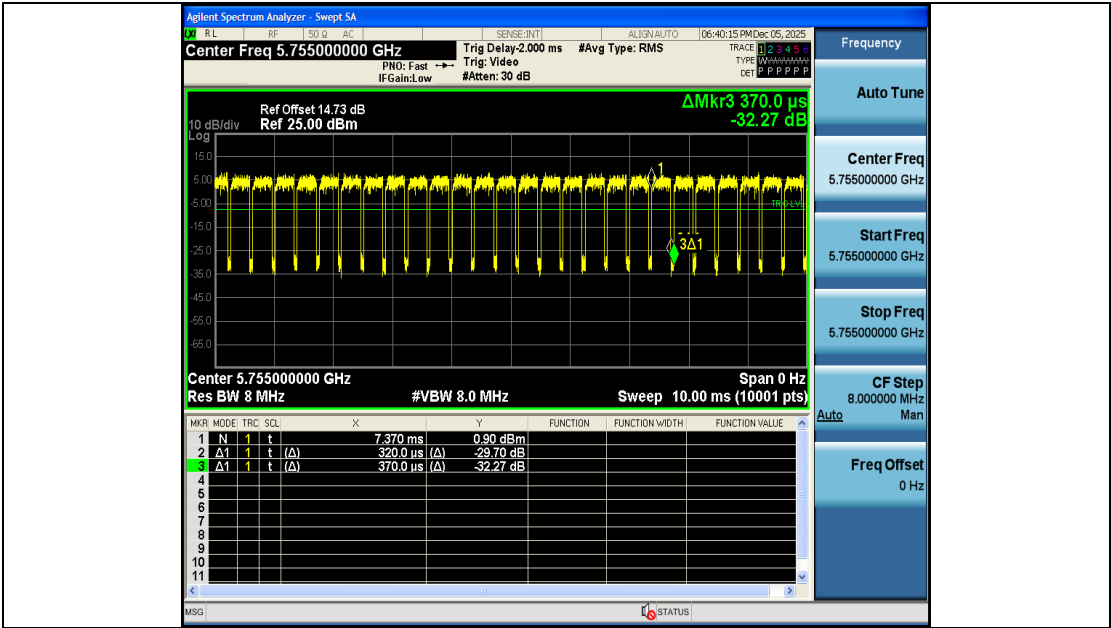
NTNV-11N20-Ant2-5825



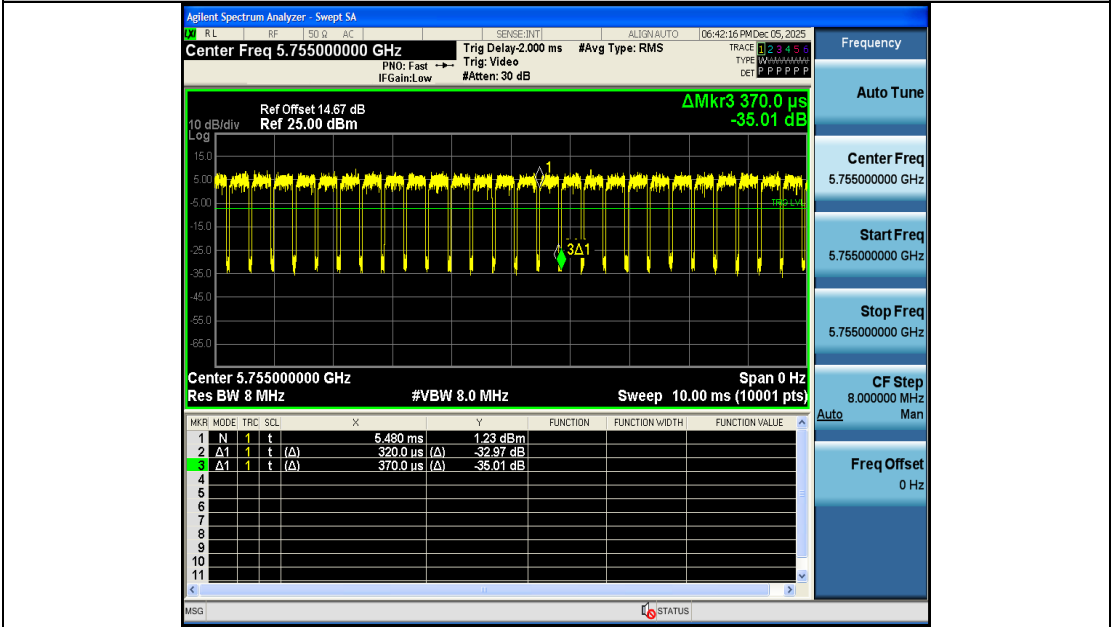
NTNV-11N40-Ant1-5190



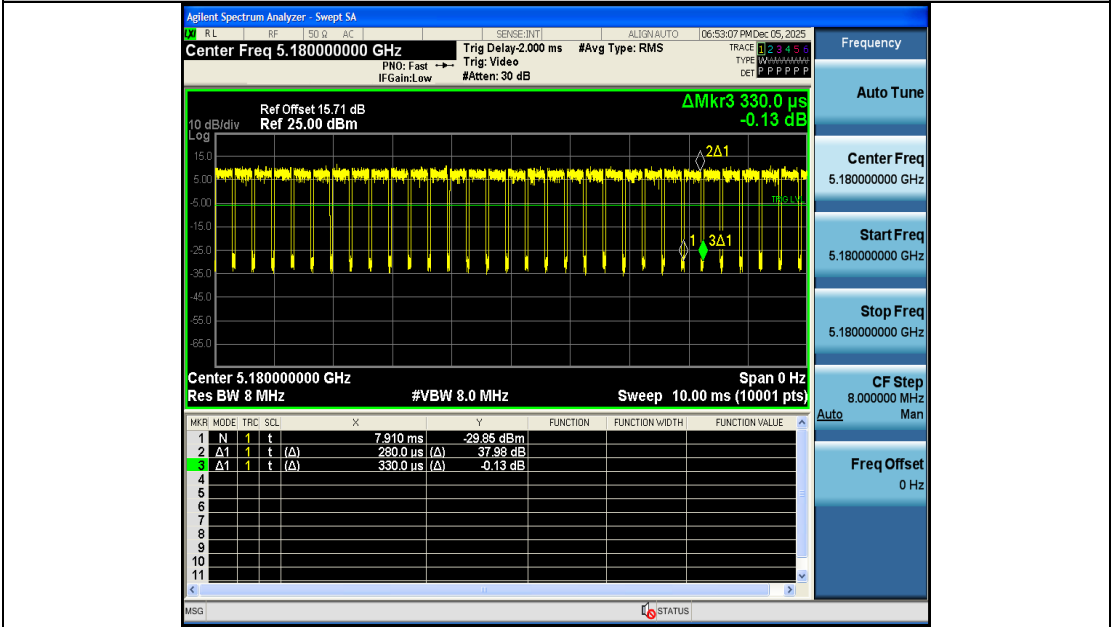
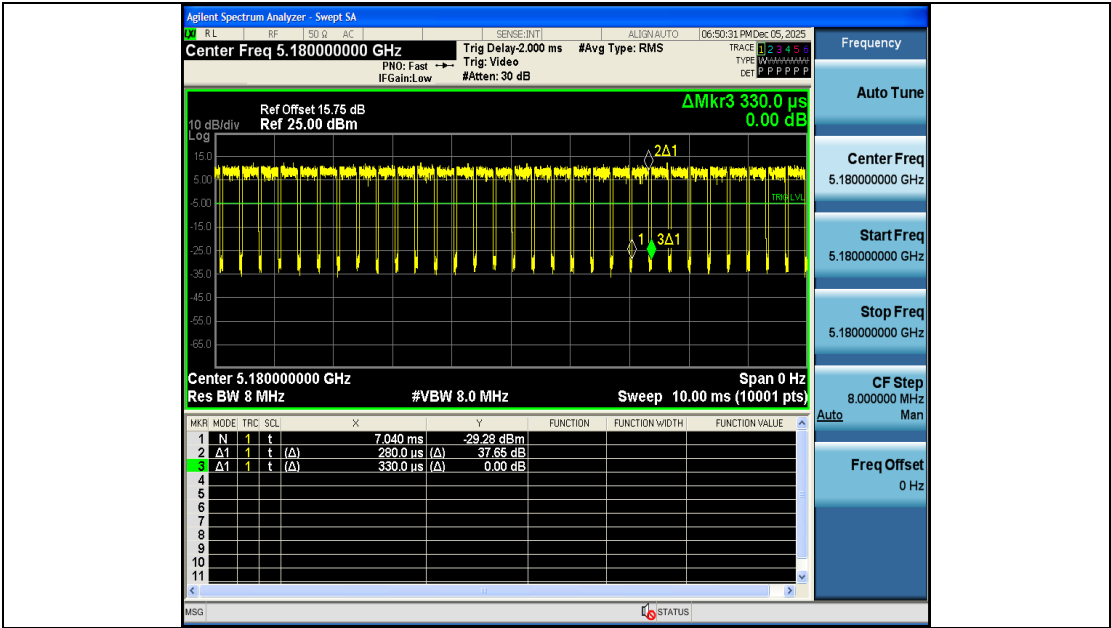


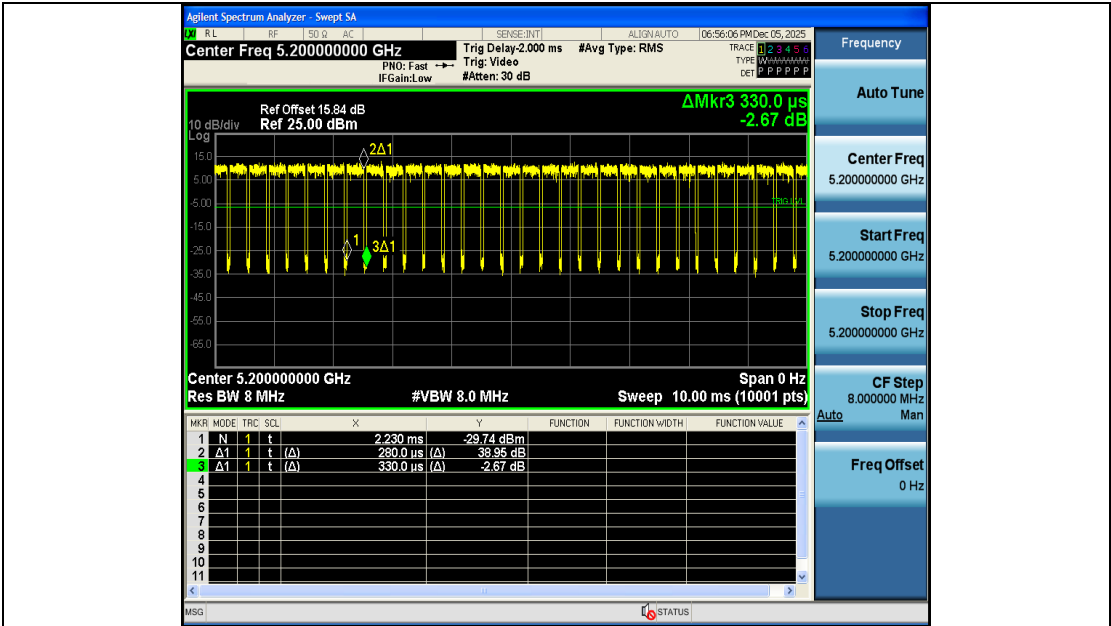


NTNV-11N40-Ant2-5755

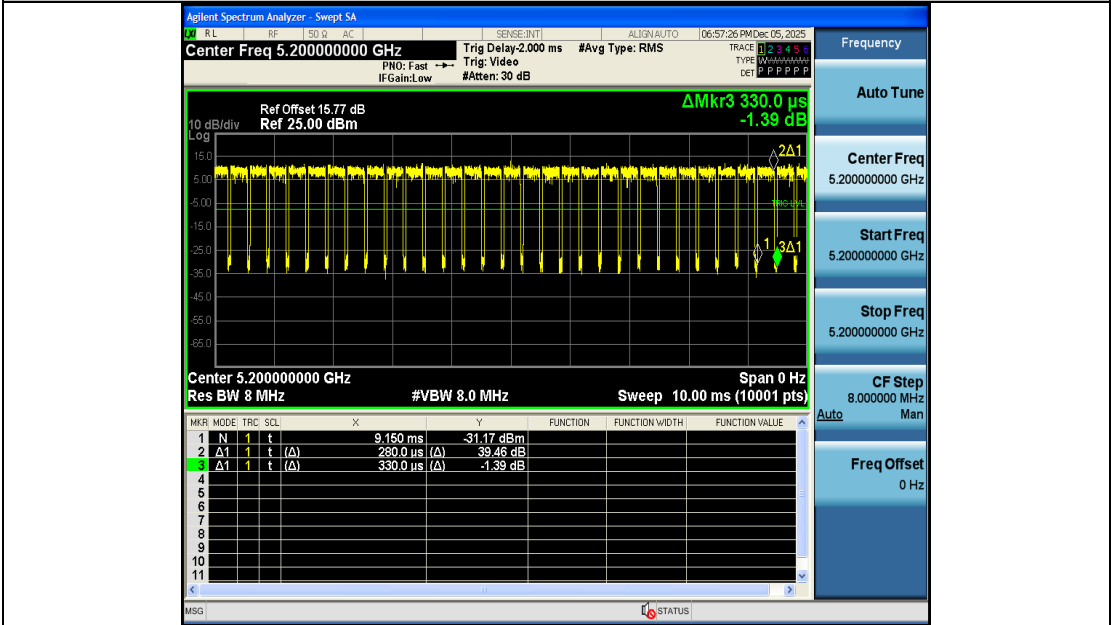


NTNV-11N40-Ant1-5795

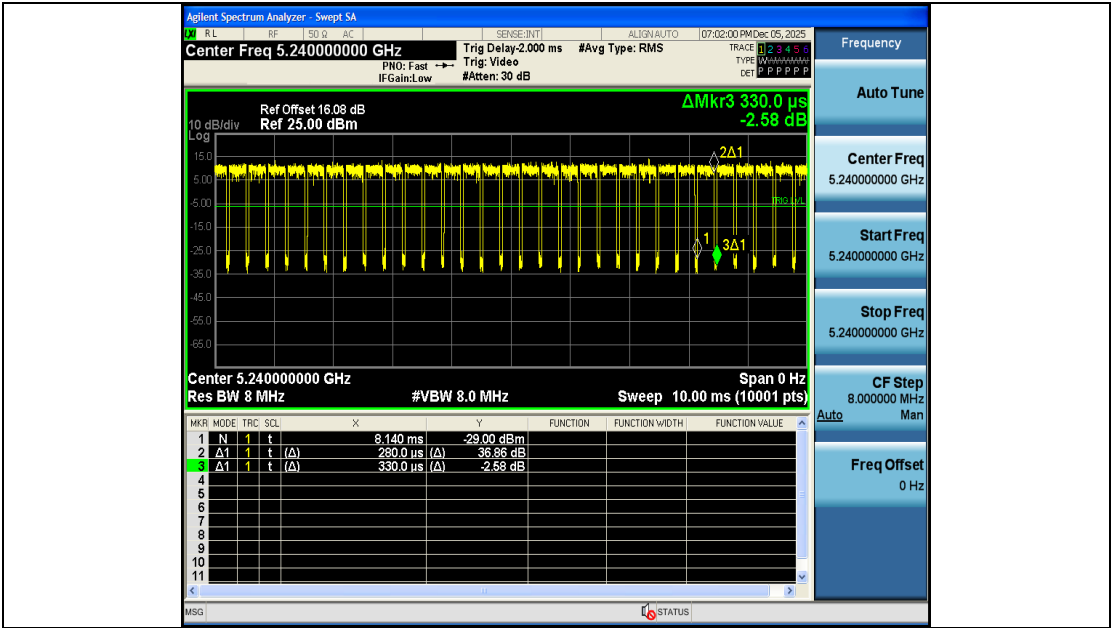




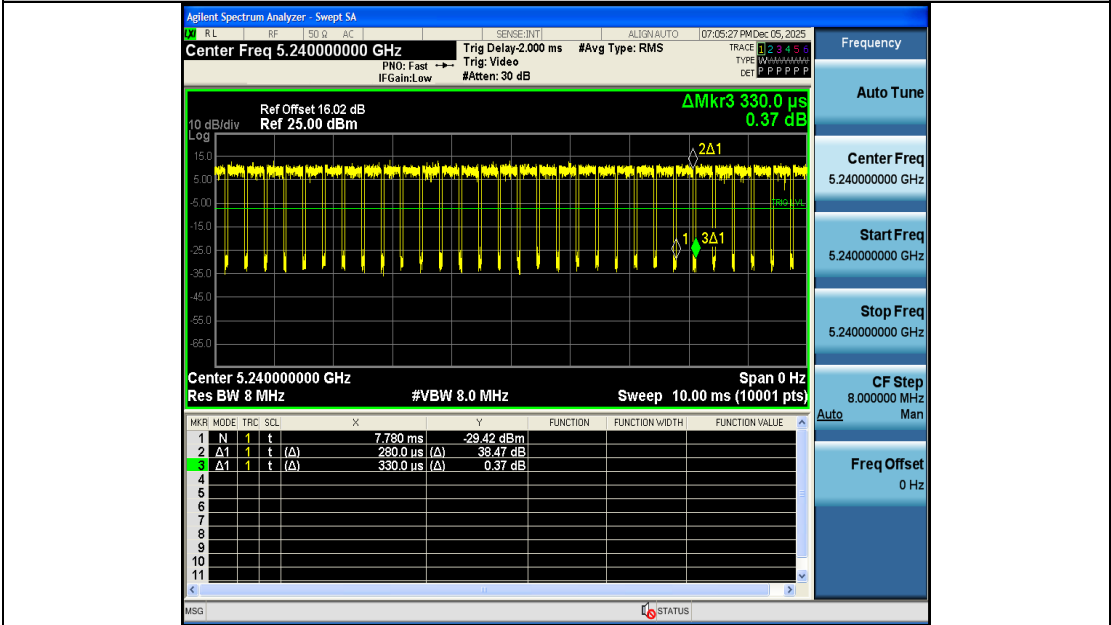
NTNV-11AC20-Ant2-5200



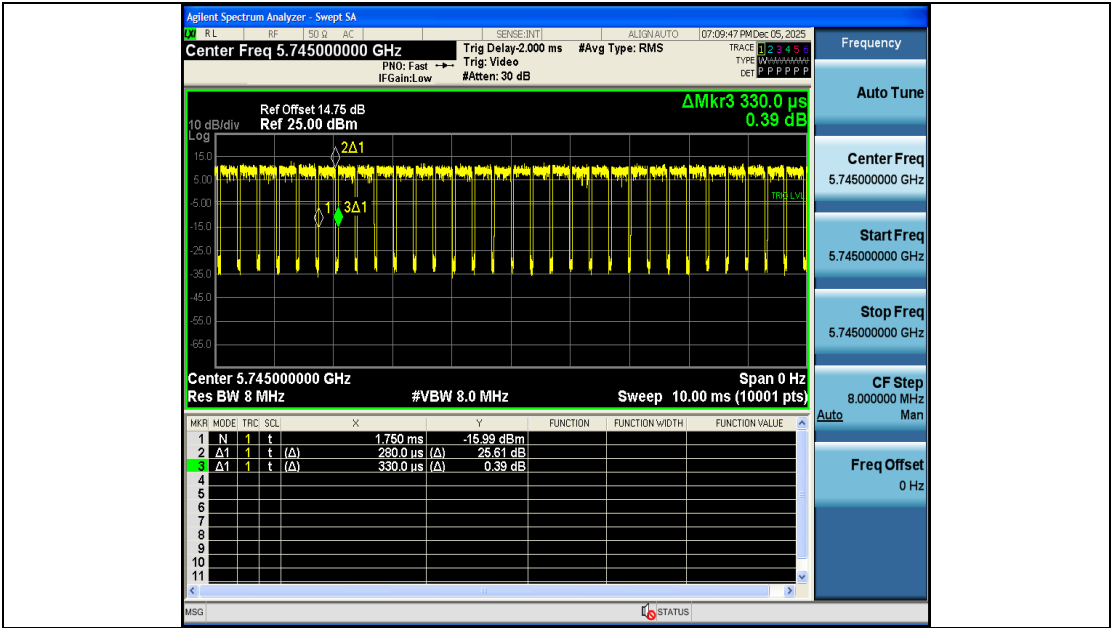
NTNV-11AC20-Ant1-5240



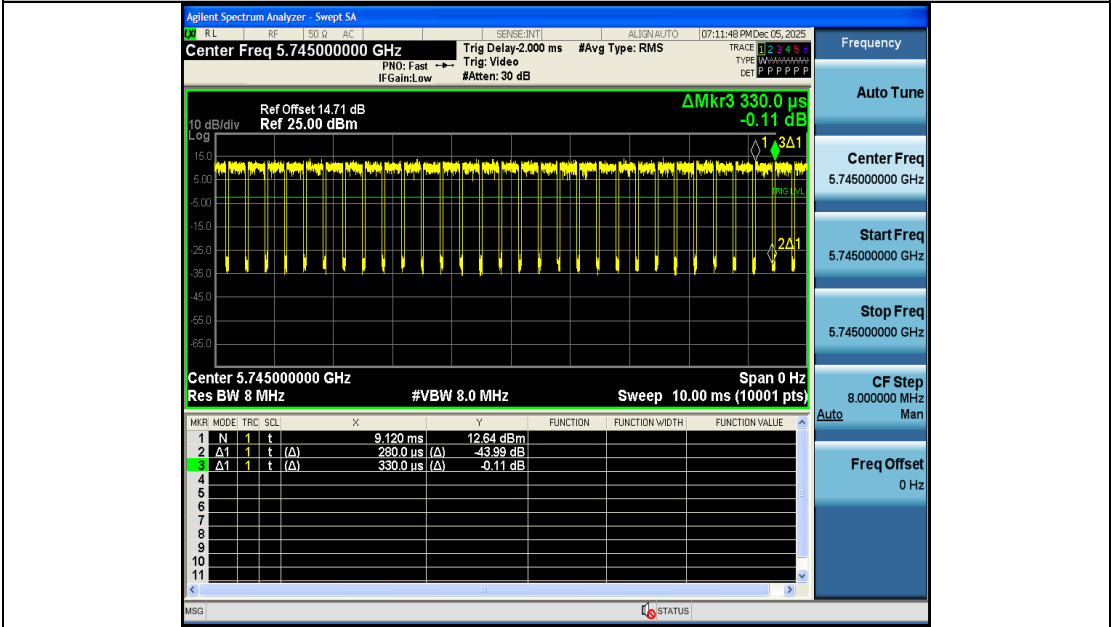
NTNV-11AC20-Ant2-5240



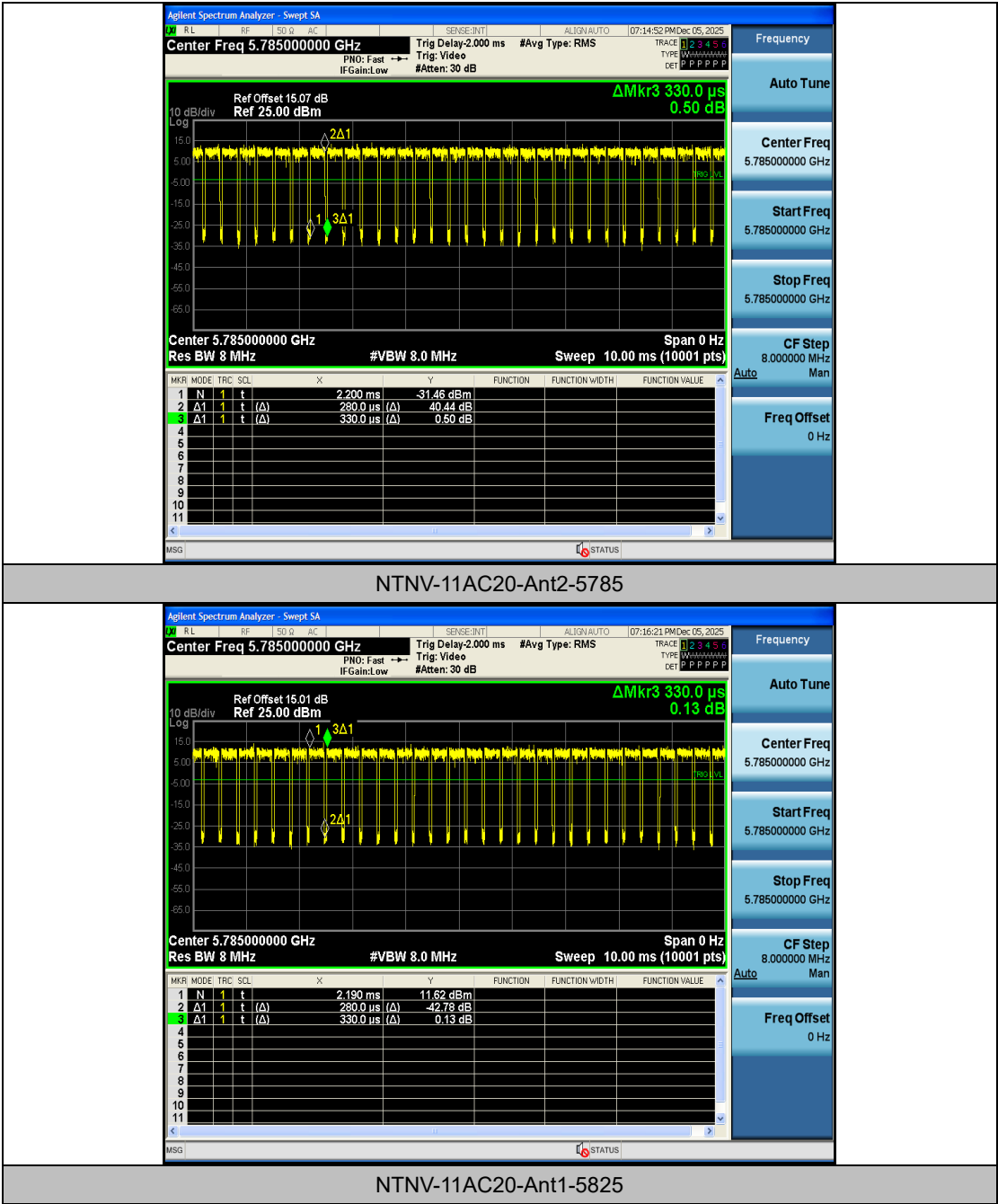
NTNV-11AC20-Ant1-5745

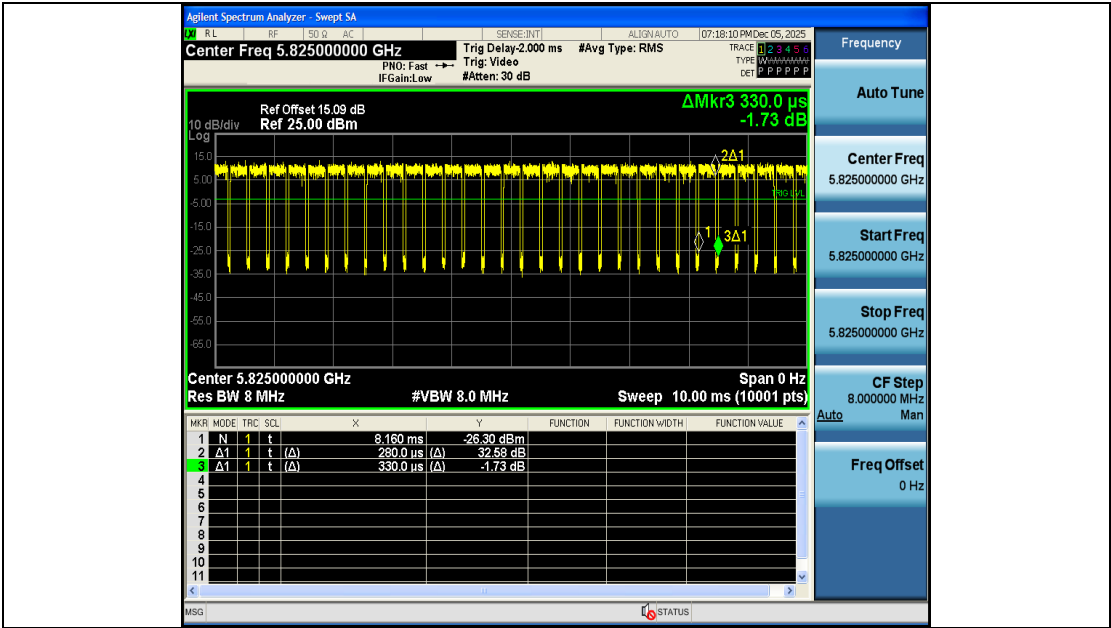


NTNV-11AC20-Ant2-5745

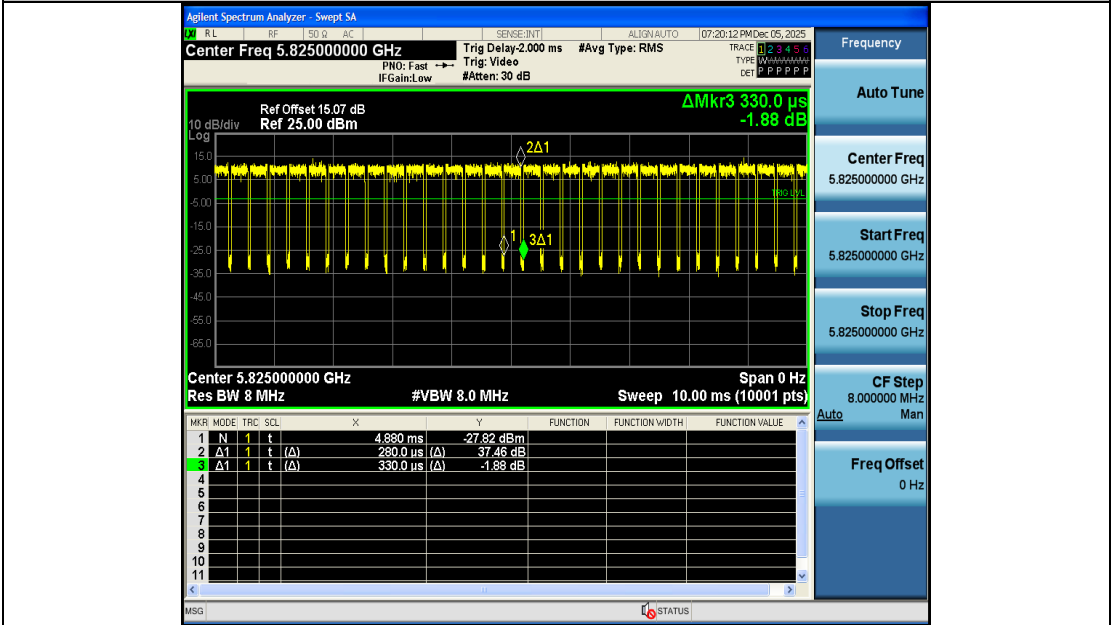


NTNV-11AC20-Ant1-5785

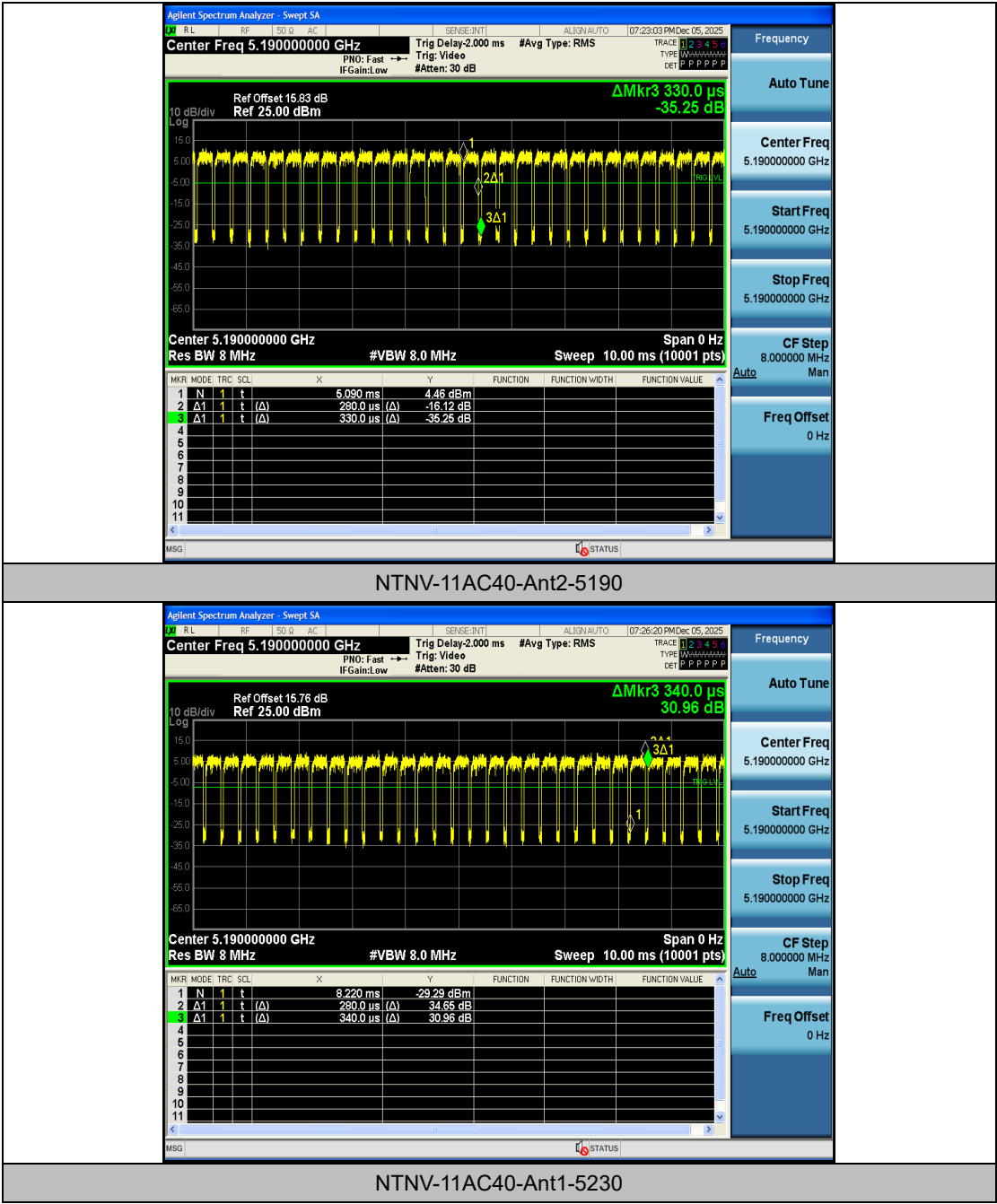


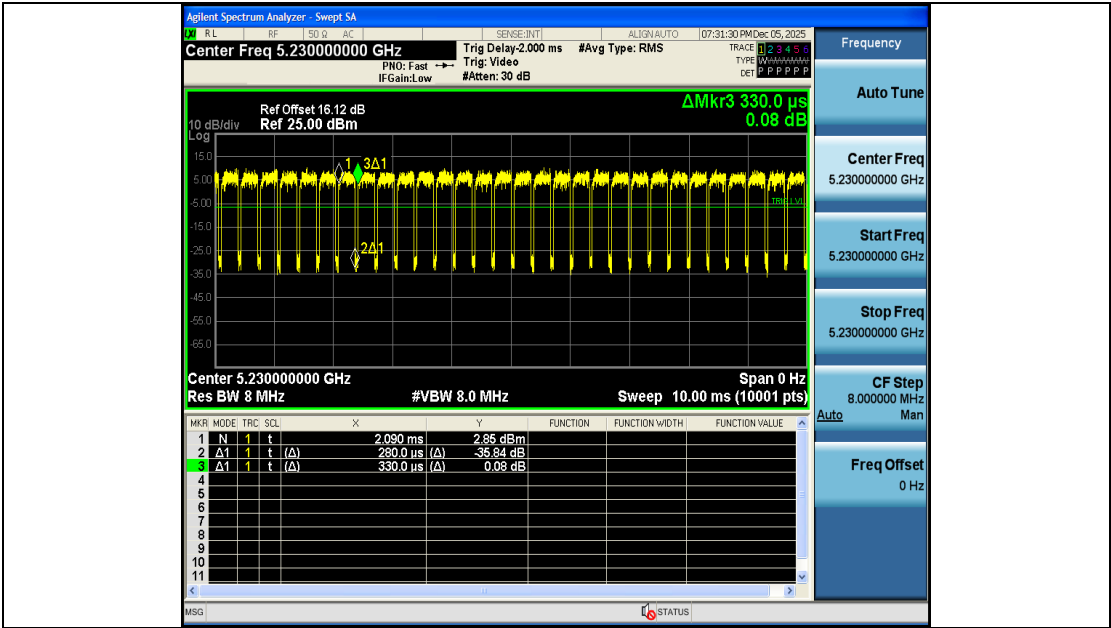


NTNV-11AC20-Ant2-5825

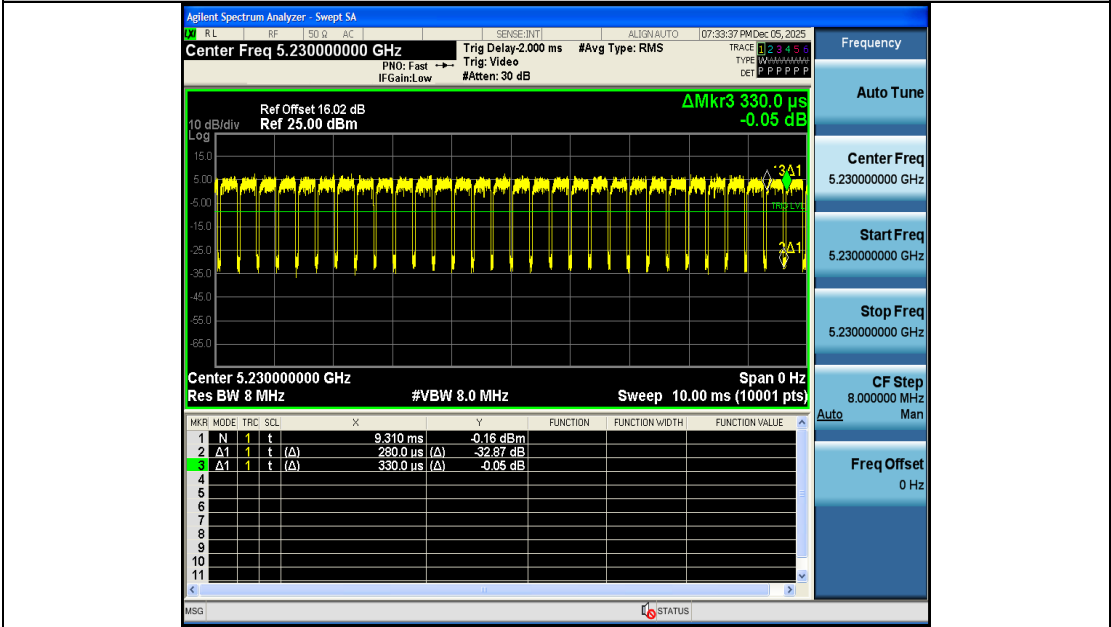


NTNV-11AC40-Ant1-5190

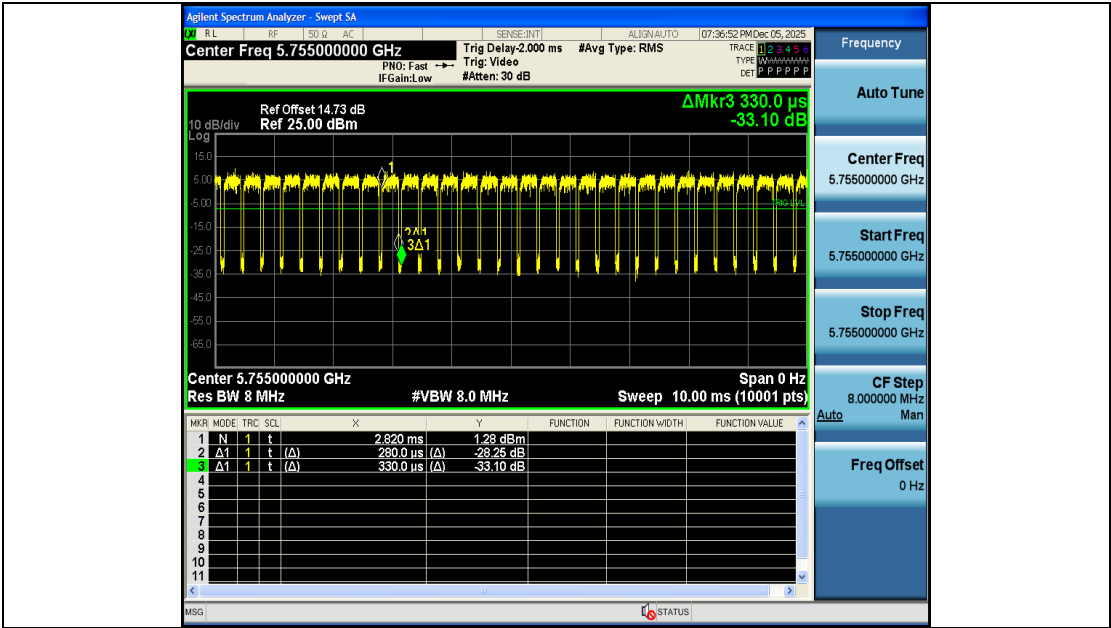




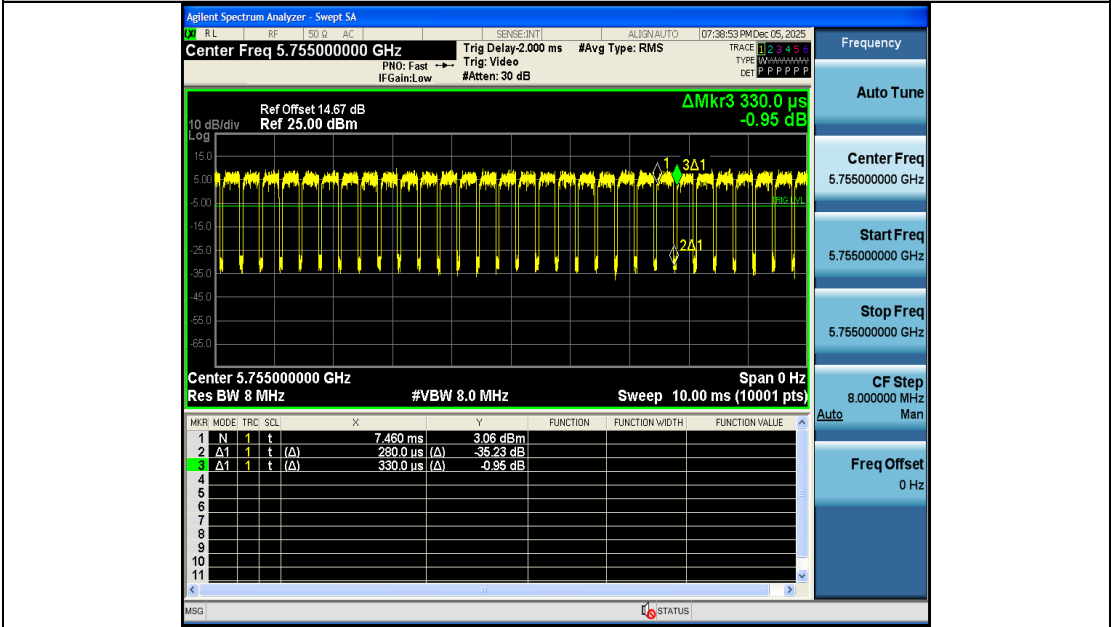
NTNV-11AC40-Ant2-5230



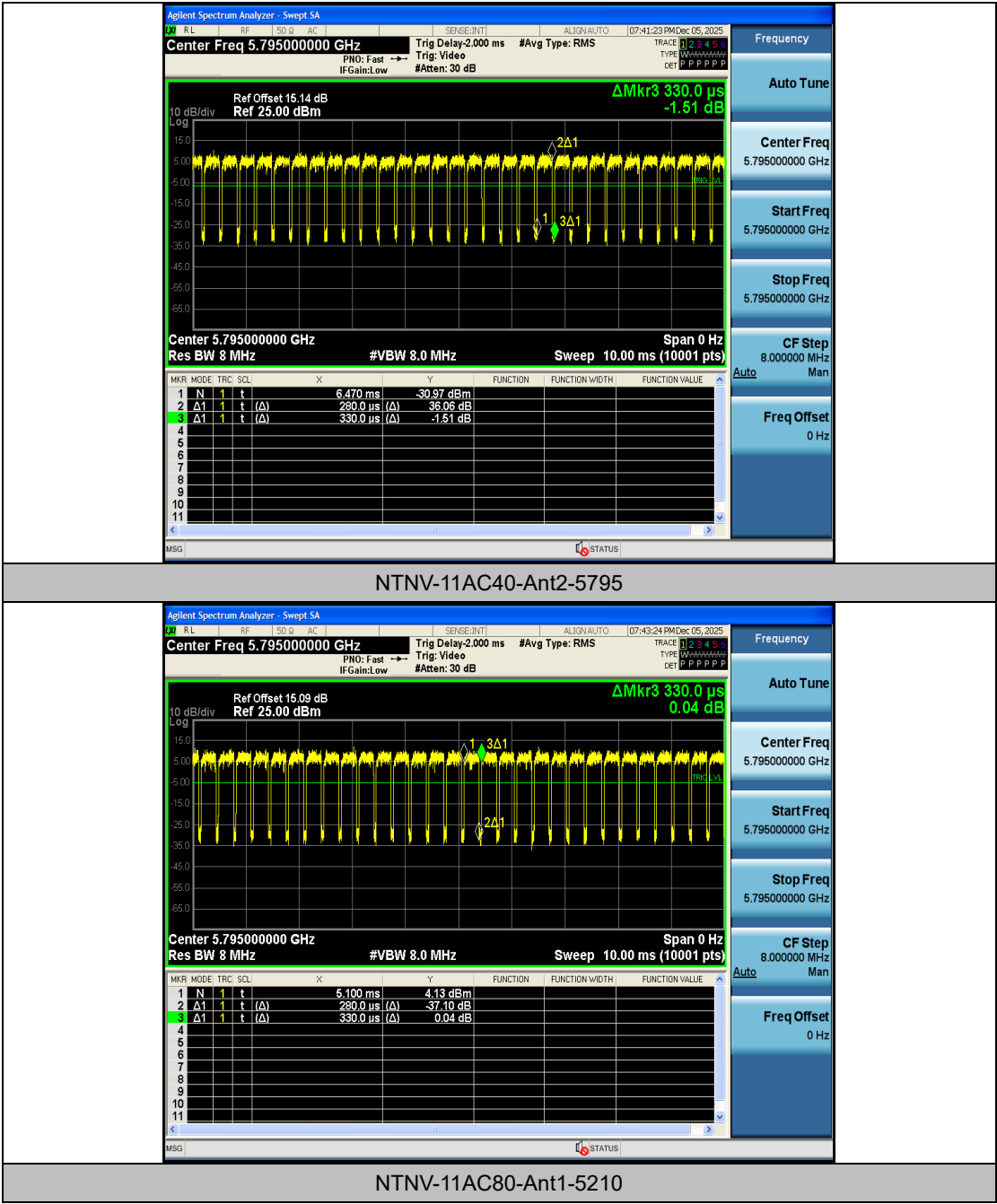
NTNV-11AC40-Ant1-5755

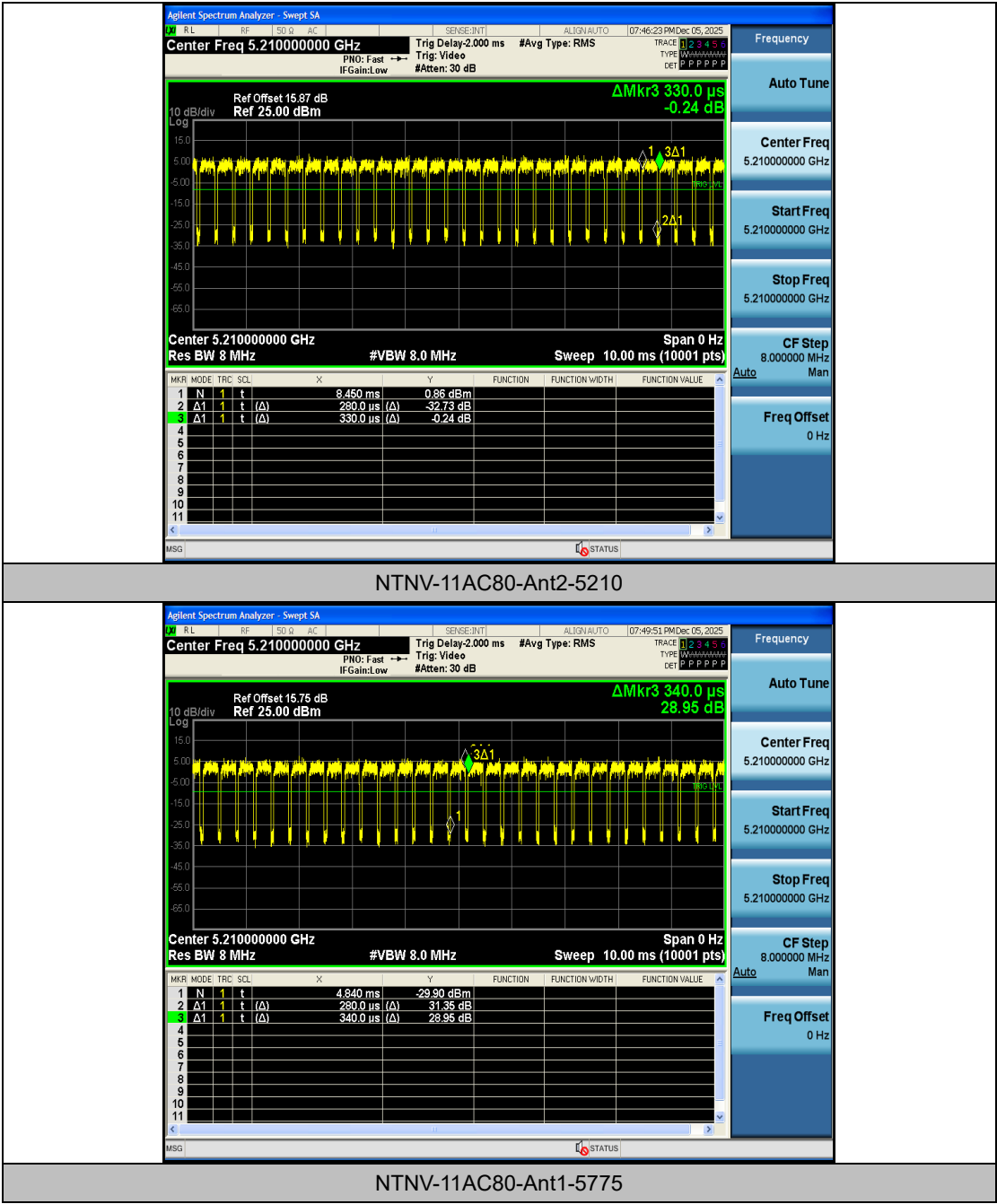


NTNV-11AC40-Ant2-5755



NTNV-11AC40-Ant1-5795





Agilent Spectrum Analyzer - Swept SA

RL

RF

50.0

AC

SENSE:INT

ALIGN:AUTO

07:49:51 PM Dec 05, 2025

Center Freq 5.210000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

PN0: Fast

Trig: Video

IF Gain: Low

#Atten: 30 dB

TRACE 1

TYPE W

DET P P P P P

Frequency

Auto Tune

Center Freq 5.210000000 GHz

Start Freq 5.210000000 GHz

Stop Freq 5.210000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

Ref Offset 15.75 dB

Ref 25.00 dBm

ΔMkr3 340.0 μs

28.95 dB

Center 5.210000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 10.00 ms (10001 pts)

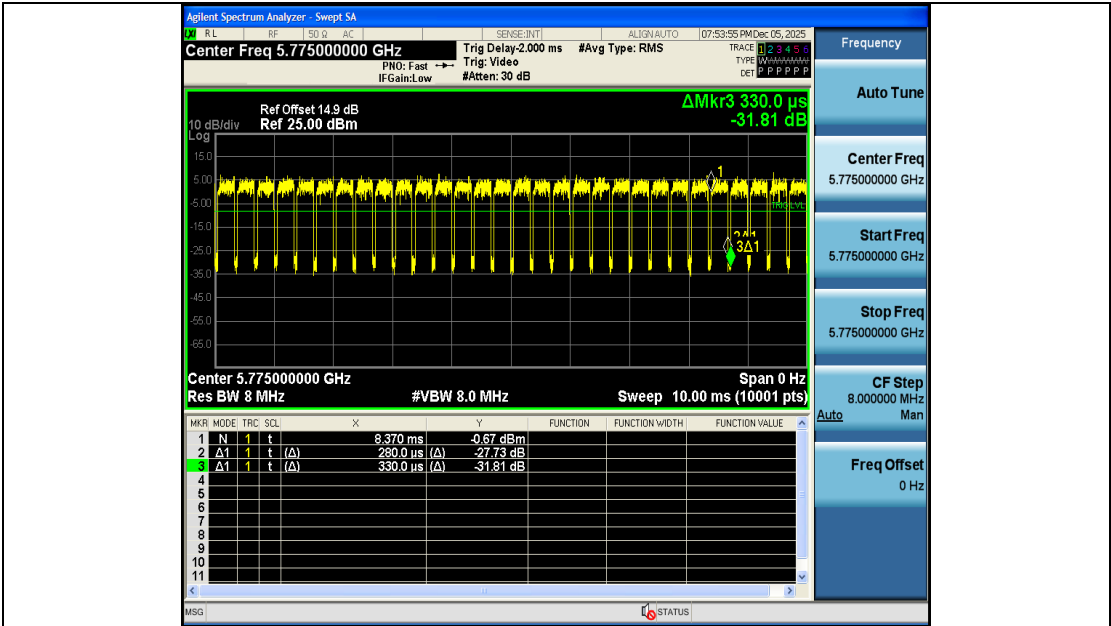
Span 0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.840 ms	-29.90 dBm			
2	Δ1	1	t (Δ)	280.0 μs	31.35 dB			
3	Δ1	1	t (Δ)	340.0 μs	28.95 dB			
4								
5								
6								
7								
8								
9								
10								
11								

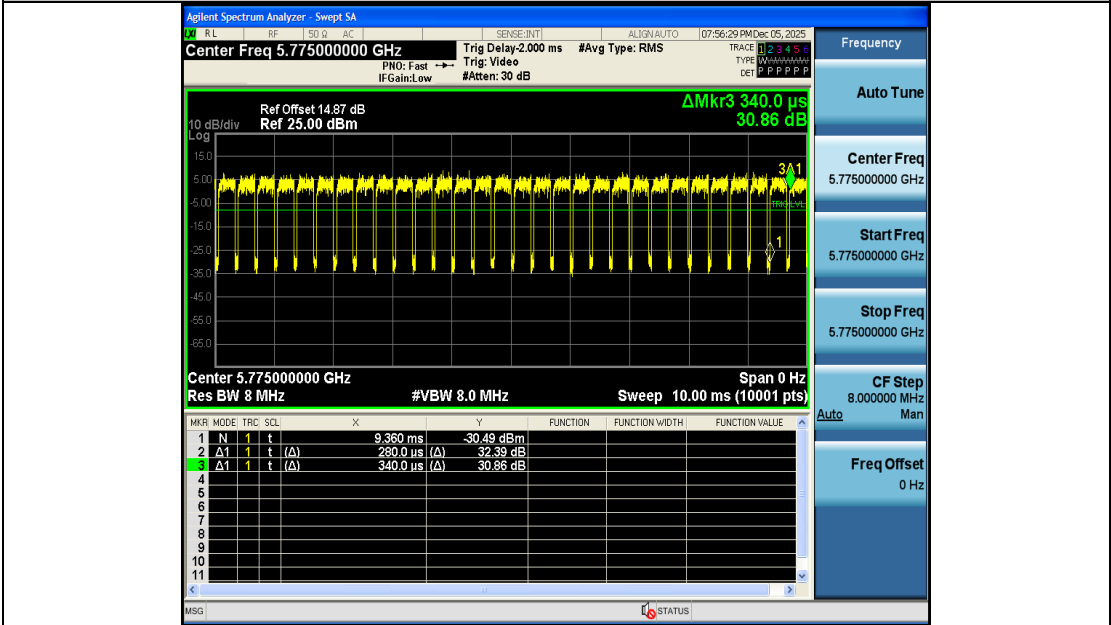
MSG

STATUS

NTNV-11AC80-Ant1-5775



NTNV-11AC80-Ant2-5775



Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Set Power	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	NA	8.36	75.00	1.25	9.61	≤23.98	PASS
11A	Ant1	5200	---	NA	8.21	73.68	1.33	9.54	≤23.98	PASS
11A	Ant1	5240	---	NA	9.87	78.95	1.03	10.90	≤23.98	PASS
11A	Ant1	5745	---	NA	7.32	75.00	1.25	8.57	≤30.00	PASS
11A	Ant1	5785	---	NA	9.28	75.00	1.25	10.53	≤30.00	PASS
11A	Ant1	5825	---	NA	9.01	75.00	1.25	10.26	≤30.00	PASS
11A	Ant2	5180	---	NA	8.00	75.00	1.25	9.25	≤23.98	PASS
11A	Ant2	5200	---	NA	7.78	75.00	1.25	9.03	≤23.98	PASS
11A	Ant2	5240	---	NA	8.81	78.95	1.03	9.84	≤23.98	PASS
11A	Ant2	5745	---	NA	7.91	75.00	1.25	9.16	≤30.00	PASS
11A	Ant2	5785	---	NA	8.29	75.00	1.25	9.54	≤30.00	PASS
11A	Ant2	5825	---	NA	8.18	75.00	1.25	9.43	≤30.00	PASS
11N20	Ant1	5180	---	NA	4.75	86.49	0.63	5.38	≤23.98	PASS
11N20	Ant2	5180	---	NA	4.96	86.11	0.65	5.61	≤23.98	PASS
11N20MIMO	total	5180	---	NA	---	---	---	8.51	≤23.96	PASS
11N20	Ant1	5200	---	NA	5.61	86.11	0.65	6.26	≤23.98	PASS
11N20	Ant2	5200	---	NA	5.84	86.11	0.65	6.49	≤23.98	PASS
11N20MIMO	total	5200	---	NA	---	---	---	9.39	≤23.96	PASS
11N20	Ant1	5240	---	NA	6.43	86.11	0.65	7.08	≤23.98	PASS

11N20	Ant2	5240	---	NA	6.99	86.11	0.65	7.64	≤23.98	PASS
11N20MIMO	total	5240	---	NA	---	---	---	10.38	≤23.96	PASS
11N20	Ant1	5745	---	NA	5.53	86.11	0.65	6.18	≤30.00	PASS
11N20	Ant2	5745	---	NA	6.96	86.11	0.65	7.61	≤30.00	PASS
11N20MIMO	total	5745	---	NA	---	---	---	9.96	≤28.61	PASS
11N20	Ant1	5785	---	NA	6.24	86.11	0.65	6.89	≤30.00	PASS
11N20	Ant2	5785	---	NA	8.00	86.49	0.63	8.63	≤30.00	PASS
11N20MIMO	total	5785	---	NA	---	---	---	10.86	≤28.61	PASS
11N20	Ant1	5825	---	NA	6.18	86.11	0.65	6.83	≤30.00	PASS
11N20	Ant2	5825	---	NA	7.79	86.11	0.65	8.44	≤30.00	PASS
11N20MIMO	total	5825	---	NA	---	---	---	10.72	≤28.61	PASS
11N40	Ant1	5190	---	NA	6.40	84.21	0.75	7.15	≤23.98	PASS
11N40	Ant2	5190	---	NA	6.61	86.49	0.63	7.24	≤23.98	PASS
11N40MIMO	total	5190	---	NA	---	---	---	10.21	≤23.96	PASS
11N40	Ant1	5230	---	NA	7.05	86.49	0.63	7.68	≤23.98	PASS
11N40	Ant2	5230	---	NA	6.67	86.49	0.63	7.30	≤23.98	PASS
11N40MIMO	total	5230	---	NA	---	---	---	10.50	≤23.96	PASS
11N40	Ant1	5755	---	NA	5.13	86.49	0.63	5.76	≤30.00	PASS
11N40	Ant2	5755	---	NA	5.81	86.49	0.63	6.44	≤30.00	PASS
11N40MIMO	total	5755	---	NA	---	---	---	9.12	≤28.61	PASS
11N40	Ant1	5795	---	NA	6.01	86.49	0.63	6.64	≤30.00	PASS
11N40	Ant2	5795	---	NA	7.01	86.49	0.63	7.64	≤30.00	PASS

11N40MIMO	total	5795	---	NA	---	---	---	10.18	≤28.61	PASS
11AC20	Ant1	5180	---	NA	6.35	84.85	0.71	7.06	≤23.98	PASS
11AC20	Ant2	5180	---	NA	5.29	84.85	0.71	6.00	≤23.98	PASS
11AC20MIMO	total	5180	---	NA	---	---	---	9.57	≤23.96	PASS
11AC20	Ant1	5200	---	NA	7.17	84.85	0.71	7.88	≤23.98	PASS
11AC20	Ant2	5200	---	NA	6.25	84.85	0.71	6.96	≤23.98	PASS
11AC20MIMO	total	5200	---	NA	---	---	---	10.45	≤23.96	PASS
11AC20	Ant1	5240	---	NA	6.25	84.85	0.71	6.96	≤23.98	PASS
11AC20	Ant2	5240	---	NA	6.75	84.85	0.71	7.46	≤23.98	PASS
11AC20MIMO	total	5240	---	NA	---	---	---	10.23	≤23.96	PASS
11AC20	Ant1	5745	---	NA	6.56	84.85	0.71	7.27	≤30.00	PASS
11AC20	Ant2	5745	---	NA	6.26	84.85	0.71	6.97	≤30.00	PASS
11AC20MIMO	total	5745	---	NA	---	---	---	10.13	≤28.61	PASS
11AC20	Ant1	5785	---	NA	7.24	84.85	0.71	7.95	≤30.00	PASS
11AC20	Ant2	5785	---	NA	7.25	84.85	0.71	7.96	≤30.00	PASS
11AC20MIMO	total	5785	---	NA	---	---	---	10.97	≤28.61	PASS
11AC20	Ant1	5825	---	NA	7.16	84.85	0.71	7.87	≤30.00	PASS
11AC20	Ant2	5825	---	NA	7.12	84.85	0.71	7.83	≤30.00	PASS
11AC20MIMO	total	5825	---	NA	---	---	---	10.86	≤28.61	PASS
11AC40	Ant1	5190	---	NA	7.19	84.85	0.71	7.90	≤23.98	PASS
11AC40	Ant2	5190	---	NA	5.98	82.35	0.84	6.82	≤23.98	PASS
11AC40MIMO	total	5190	---	NA	---	---	---	10.40	≤23.96	PASS

11AC40	Ant1	5230	---	NA	6.98	84.85	0.71	7.69	≤ 23.98	PASS
11AC40	Ant2	5230	---	NA	7.41	84.85	0.71	8.12	≤ 23.98	PASS
11AC40MIMO	total	5230	---	NA	---	---	---	10.92	≤ 23.96	PASS
11AC40	Ant1	5755	---	NA	5.50	84.85	0.71	6.21	≤ 30.00	PASS
11AC40	Ant2	5755	---	NA	6.77	84.85	0.71	7.48	≤ 30.00	PASS
11AC40MIMO	total	5755	---	NA	---	---	---	9.90	≤ 28.61	PASS
11AC40	Ant1	5795	---	NA	6.29	84.85	0.71	7.00	≤ 30.00	PASS
11AC40	Ant2	5795	---	NA	7.68	84.85	0.71	8.39	≤ 30.00	PASS
11AC40MIMO	total	5795	---	NA	---	---	---	10.76	≤ 28.61	PASS
11AC80	Ant1	5210	---	NA	6.93	84.85	0.71	7.64	≤ 23.98	PASS
11AC80	Ant2	5210	---	NA	6.26	82.35	0.84	7.10	≤ 23.98	PASS
11AC80MIMO	total	5210	---	NA	---	---	---	10.39	≤ 23.96	PASS
11AC80	Ant1	5775	---	NA	6.33	84.85	0.71	7.04	≤ 30.00	PASS
11AC80	Ant2	5775	---	NA	7.19	82.35	0.84	8.03	≤ 30.00	PASS
11AC80MIMO	total	5775	---	NA	---	---	---	10.57	≤ 30.00	PASS

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

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.16	≤11.00	PASS
11A	Ant1	5200	-0.13	≤11.00	PASS
11A	Ant1	5240	0.79	≤11.00	PASS
11A	Ant1	5745	-3.97	≤30.00	PASS
11A	Ant1	5785	-1.21	≤30.00	PASS
11A	Ant1	5825	-1.11	≤30.00	PASS
11A	Ant2	5180	-0.47	≤11.00	PASS
11A	Ant2	5200	-0.99	≤11.00	PASS
11A	Ant2	5240	-0.11	≤11.00	PASS
11A	Ant2	5745	-2.95	≤30.00	PASS
11A	Ant2	5785	-2.46	≤30.00	PASS
11A	Ant2	5825	-2.73	≤30.00	PASS
11N20	Ant1	5180	-4.67	≤11.00	PASS
11N20	Ant2	5180	-5.08	≤11.00	PASS
11N20MIMO	total	5180	-1.86	≤10.98	PASS
11N20	Ant1	5200	-4.1	≤11.00	PASS
11N20	Ant2	5200	-3.87	≤11.00	PASS
11N20MIMO	total	5200	-0.97	≤10.98	PASS
11N20	Ant1	5240	-3.28	≤11.00	PASS
11N20	Ant2	5240	-2.4	≤11.00	PASS
11N20MIMO	total	5240	0.19	≤10.98	PASS
11N20	Ant1	5745	-6.45	≤30.00	PASS
11N20	Ant2	5745	-5.26	≤30.00	PASS
11N20MIMO	total	5745	-2.80	≤28.61	PASS
11N20	Ant1	5785	-5.98	≤30.00	PASS
11N20	Ant2	5785	-4.22	≤30.00	PASS
11N20MIMO	total	5785	-2.00	≤28.61	PASS
11N20	Ant1	5825	-5.6	≤30.00	PASS
11N20	Ant2	5825	-4.62	≤30.00	PASS
11N20MIMO	total	5825	-2.07	≤28.61	PASS
11N40	Ant1	5190	-6.12	≤11.00	PASS
11N40	Ant2	5190	-5.98	≤11.00	PASS
11N40MIMO	total	5190	-3.04	≤10.98	PASS
11N40	Ant1	5230	-5.96	≤11.00	PASS
11N40	Ant2	5230	-5.98	≤11.00	PASS
11N40MIMO	total	5230	-2.96	≤10.98	PASS
11N40	Ant1	5755	-10.2	≤30.00	PASS
11N40	Ant2	5755	-10.02	≤30.00	PASS

11N40MIMO	total	5755	-7.10	≤28.61	PASS
11N40	Ant1	5795	-9.56	≤30.00	PASS
11N40	Ant2	5795	-8.51	≤30.00	PASS
11N40MIMO	total	5795	-5.99	≤28.61	PASS
11AC20	Ant1	5180	-2.97	≤11.00	PASS
11AC20	Ant2	5180	-4.15	≤11.00	PASS
11AC20MIMO	total	5180	-0.51	≤10.98	PASS
11AC20	Ant1	5200	-2.43	≤11.00	PASS
11AC20	Ant2	5200	-3.19	≤11.00	PASS
11AC20MIMO	total	5200	0.22	≤10.98	PASS
11AC20	Ant1	5240	-3.04	≤11.00	PASS
11AC20	Ant2	5240	-2.75	≤11.00	PASS
11AC20MIMO	total	5240	0.12	≤10.98	PASS
11AC20	Ant1	5745	-5.23	≤30.00	PASS
11AC20	Ant2	5745	-5.67	≤30.00	PASS
11AC20MIMO	total	5745	-2.43	≤28.61	PASS
11AC20	Ant1	5785	-4.57	≤30.00	PASS
11AC20	Ant2	5785	-4.82	≤30.00	PASS
11AC20MIMO	total	5785	-1.68	≤28.61	PASS
11AC20	Ant1	5825	-4.99	≤30.00	PASS
11AC20	Ant2	5825	-4.97	≤30.00	PASS
11AC20MIMO	total	5825	-1.97	≤28.61	PASS
11AC40	Ant1	5190	-5.53	≤11.00	PASS
11AC40	Ant2	5190	-6.32	≤11.00	PASS
11AC40MIMO	total	5190	-2.90	≤10.98	PASS
11AC40	Ant1	5230	-6.04	≤11.00	PASS
11AC40	Ant2	5230	-5.29	≤11.00	PASS
11AC40MIMO	total	5230	-2.64	≤10.98	PASS
11AC40	Ant1	5755	-10.15	≤30.00	PASS
11AC40	Ant2	5755	-8.37	≤30.00	PASS
11AC40MIMO	total	5755	-6.16	≤28.61	PASS
11AC40	Ant1	5795	-8.84	≤30.00	PASS
11AC40	Ant2	5795	-7.85	≤30.00	PASS
11AC40MIMO	total	5795	-5.31	≤28.61	PASS
11AC80	Ant1	5210	-8.82	≤11.00	PASS
11AC80	Ant2	5210	-7.97	≤11.00	PASS
11AC80MIMO	total	5210	-5.36	≤10.98	PASS
11AC80	Ant1	5775	-12.08	≤30.00	PASS
11AC80	Ant2	5775	-10.2	≤30.00	PASS
11AC80MIMO	total	5775	-8.03	≤28.61	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

