

Appendix for 6E

Report No.: BCTC2412844393-6E

Applicant: MICRO COMPUTER (HK) TECH LIMITED

Product Name: MINI PC

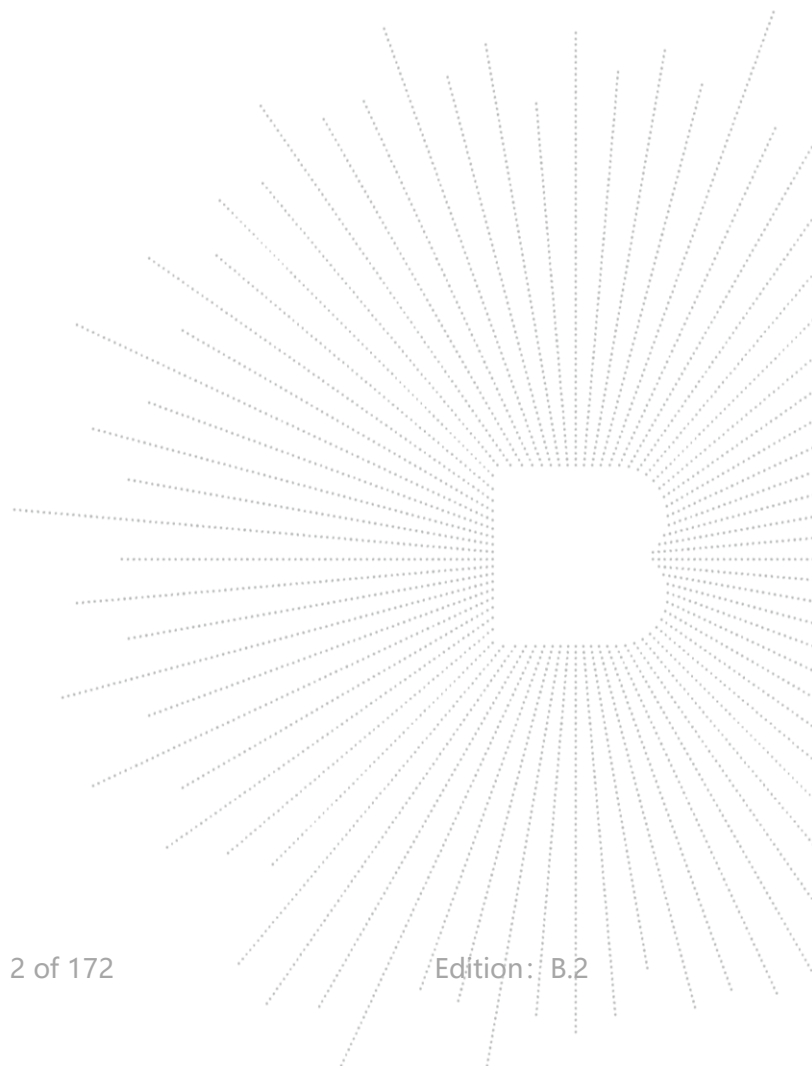
Test Model: UM870 Plus

Tested Date: 2024-12-05 to 2025-01-14

Shenzhen BCTC Testing Co., Ltd.

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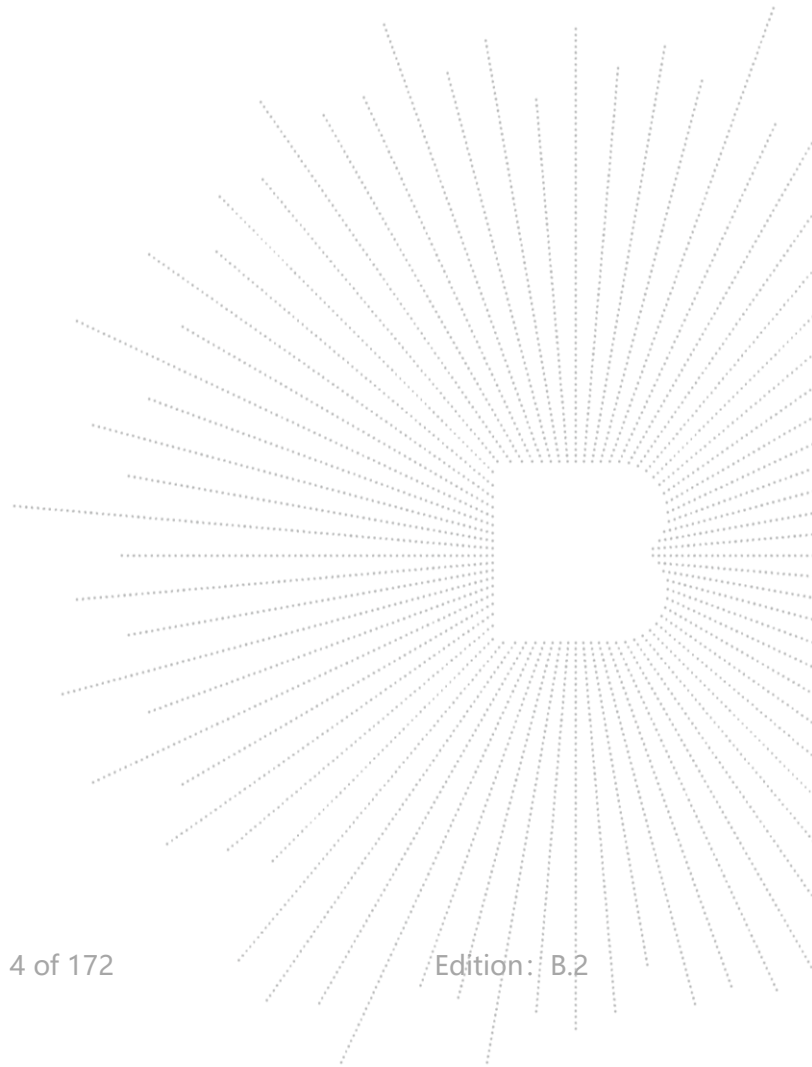
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Appendix A. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax20	5955	Ant1	81.82	0.87	0.51
		6175		81.82	0.87	0.51
		6415		81.74	0.88	0.51
		6435		87.22	0.59	0.51
		6475		81.82	0.87	0.51
		6515		81.4	0.89	0.51
		6535		81.74	0.88	0.51
		6695		81.74	0.88	0.51
		6855		81.4	0.89	0.51
		6875		81.74	0.88	0.51
		6895		81.82	0.87	0.51
		6995		81.82	0.87	0.51
		7115		81.82	0.87	0.51
	ax40	5965		69.86	1.56	0.98
		6165		69.86	1.56	0.98
		6405		70.34	1.53	0.98
		6445		69.86	1.56	0.98
		6485		69.86	1.56	0.98
		6525		69.86	1.56	0.98
		6565		69.86	1.56	0.98
		6685		70.34	1.53	0.98
		6845		69.86	1.56	0.98
		6885		69.86	1.56	0.98
		6925		69.86	1.56	0.98
		6965		69.86	1.56	0.98
		7085		69.86	1.56	0.98
	ax80	5985		54.17	2.66	1.92
		6145		54.17	2.66	1.92
		6385		54.17	2.66	1.92
		6465		54.17	2.66	1.92
		6545		55.21	2.58	1.89
		6625		55.21	2.58	1.89
		6705		54.64	2.62	1.89
		6785		54.17	2.66	1.92
		6865		54.64	2.62	1.89
		6945		54.64	2.62	1.89
		7025		54.17	2.66	1.92
	ax160	6025		40	3.98	3.33
		6185		39.19	4.07	3.45

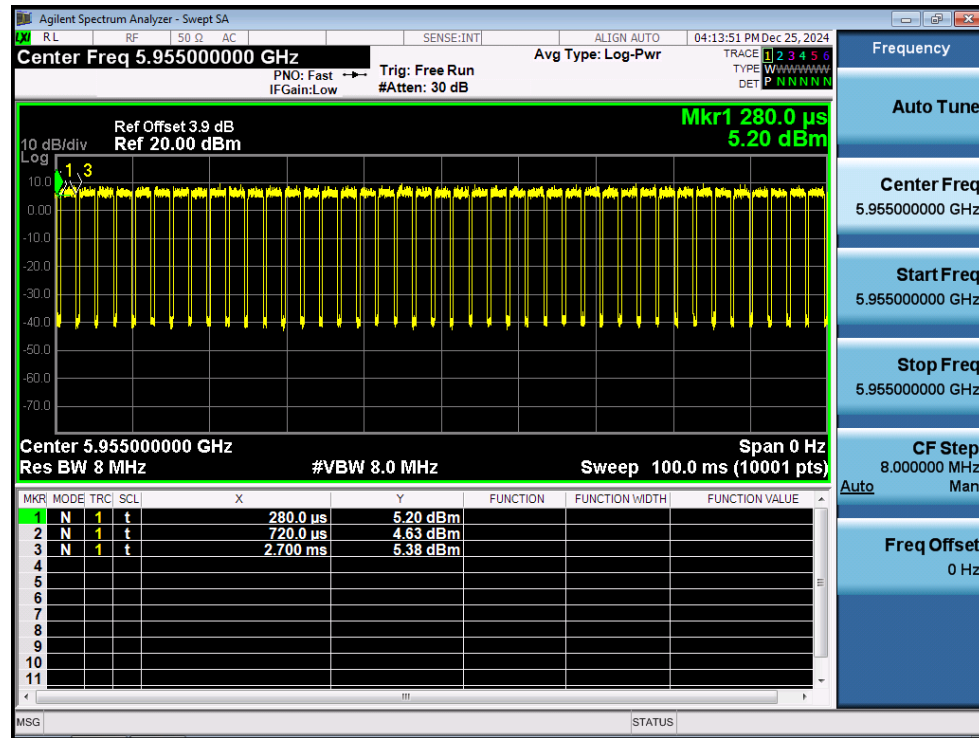
		6345		40	3.98	3.33
		6505		38.16	4.18	3.45
		6665		40	3.98	3.33
		6825		40	3.98	3.33
		6985		40	3.98	3.33



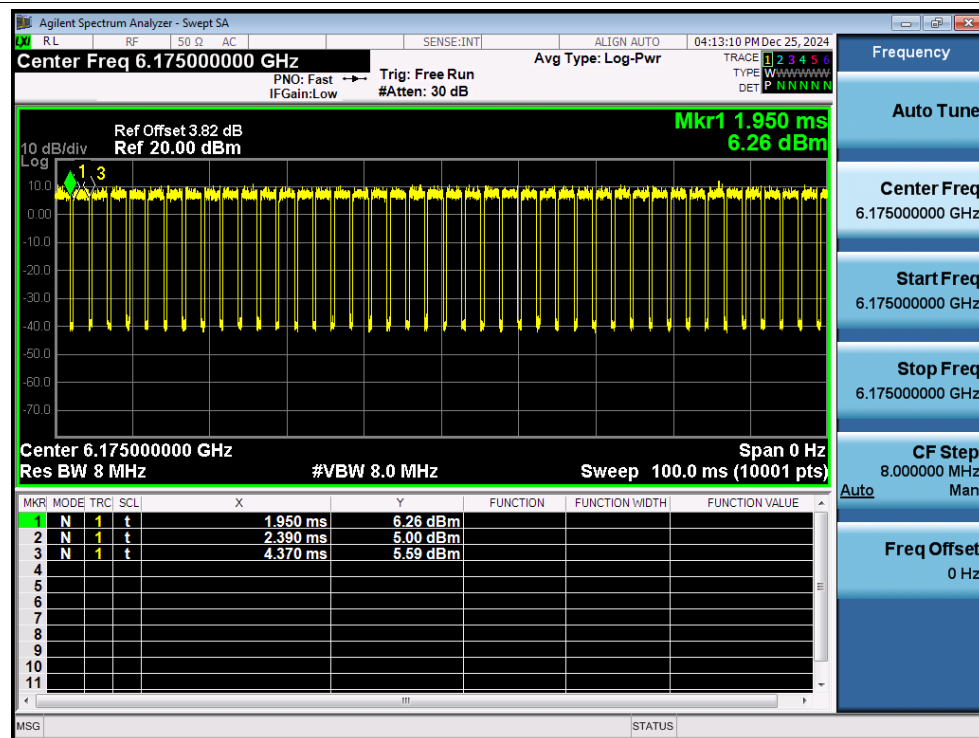


Test Graphs

Duty Cycle NVNT ax20 5955MHz Ant1

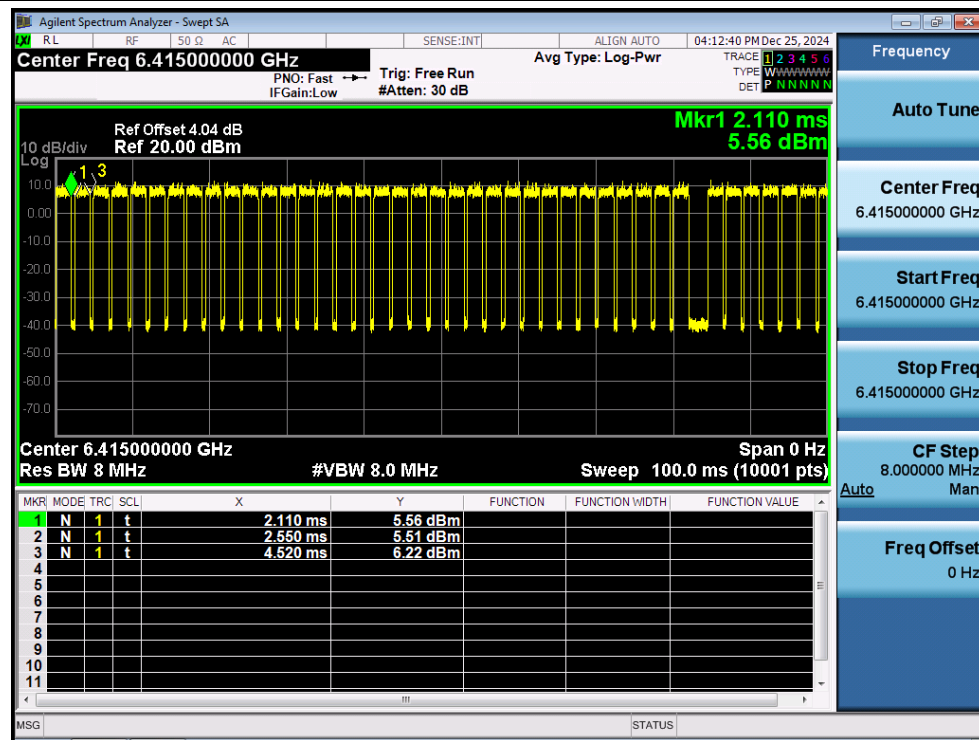


Duty Cycle NVNT ax20 6175MHz Ant1

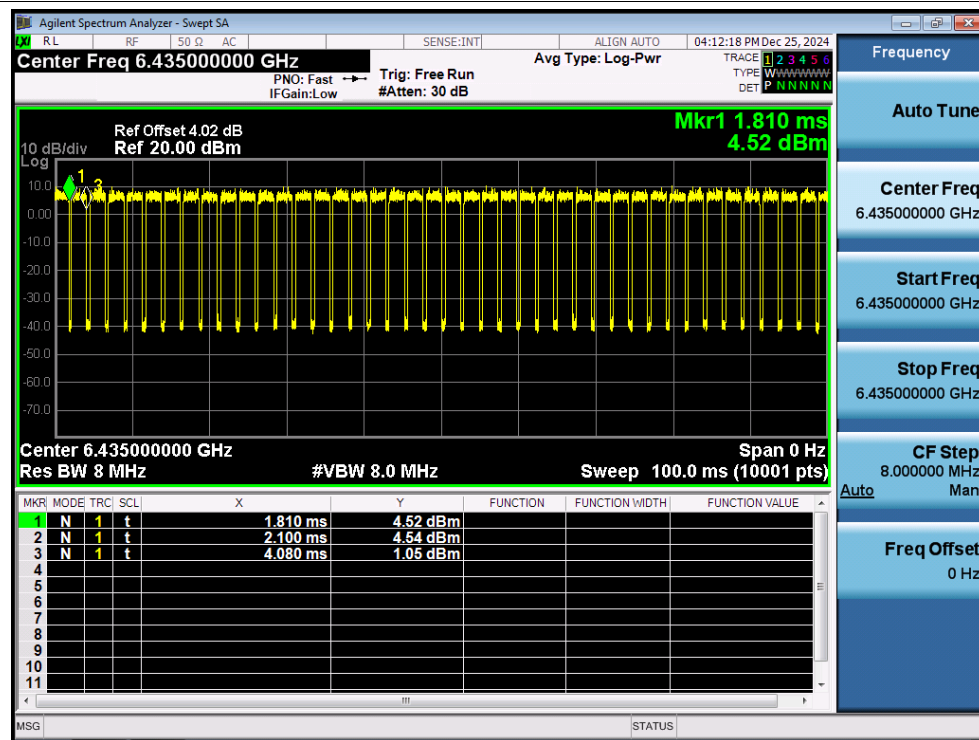




Duty Cycle NVNT ax20 6415MHz Ant1

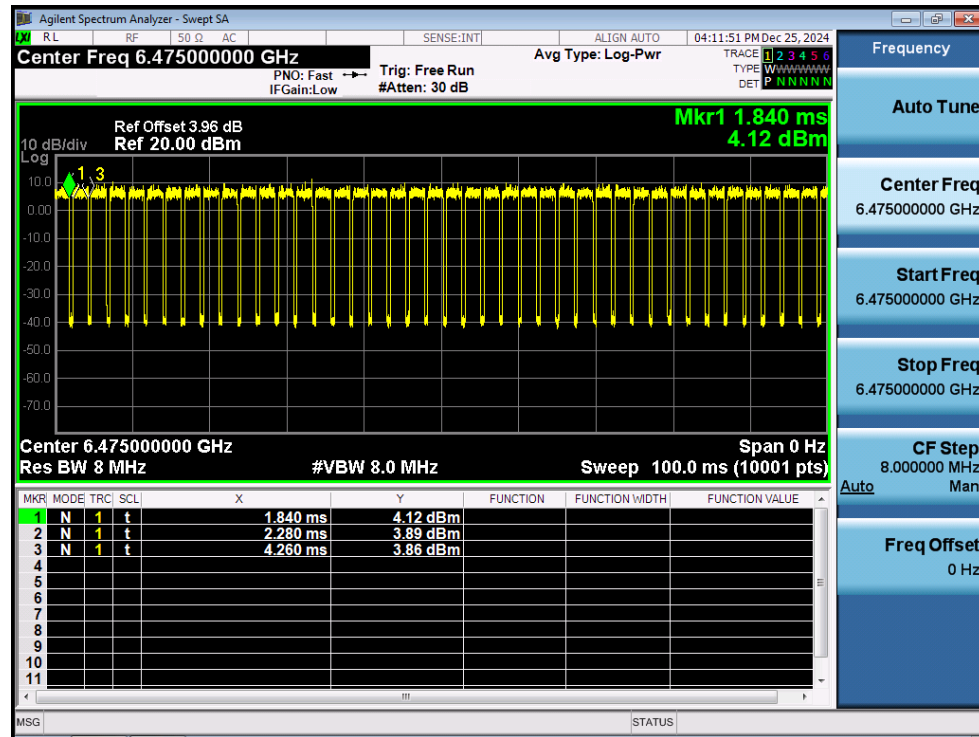


Duty Cycle NVNT ax20 6435MHz Ant1

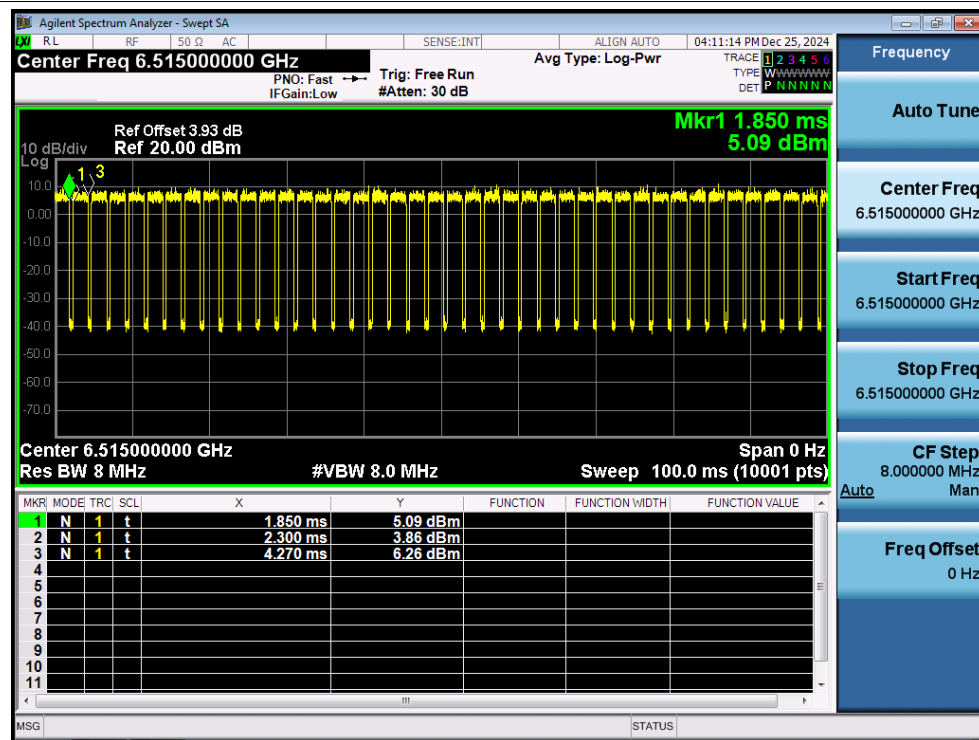




Duty Cycle NVNT ax20 6475MHz Ant1

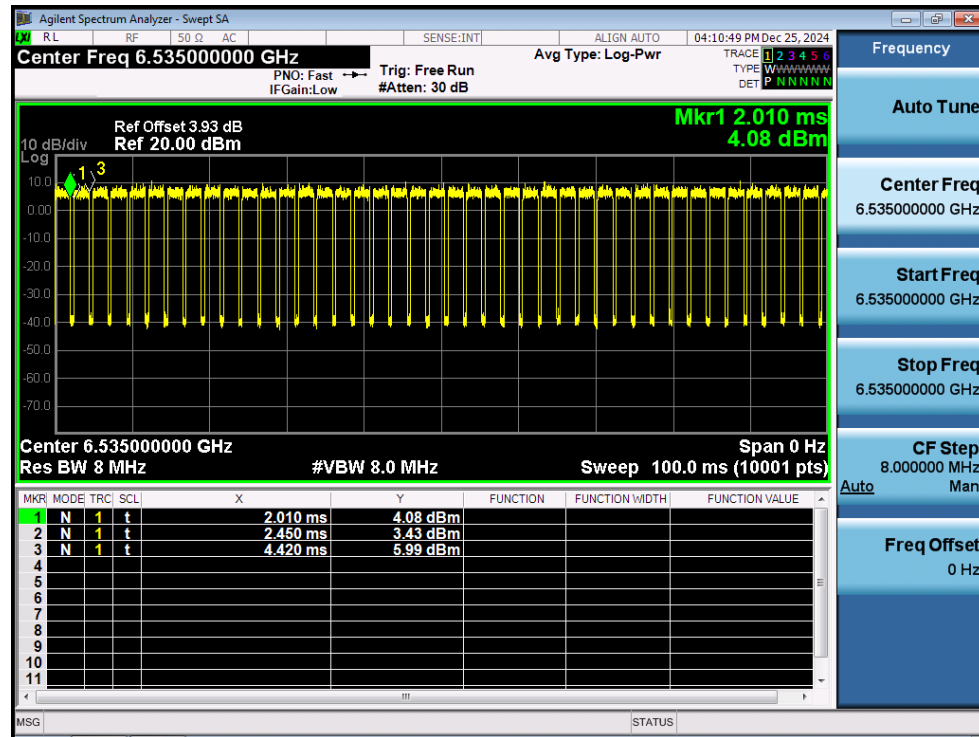


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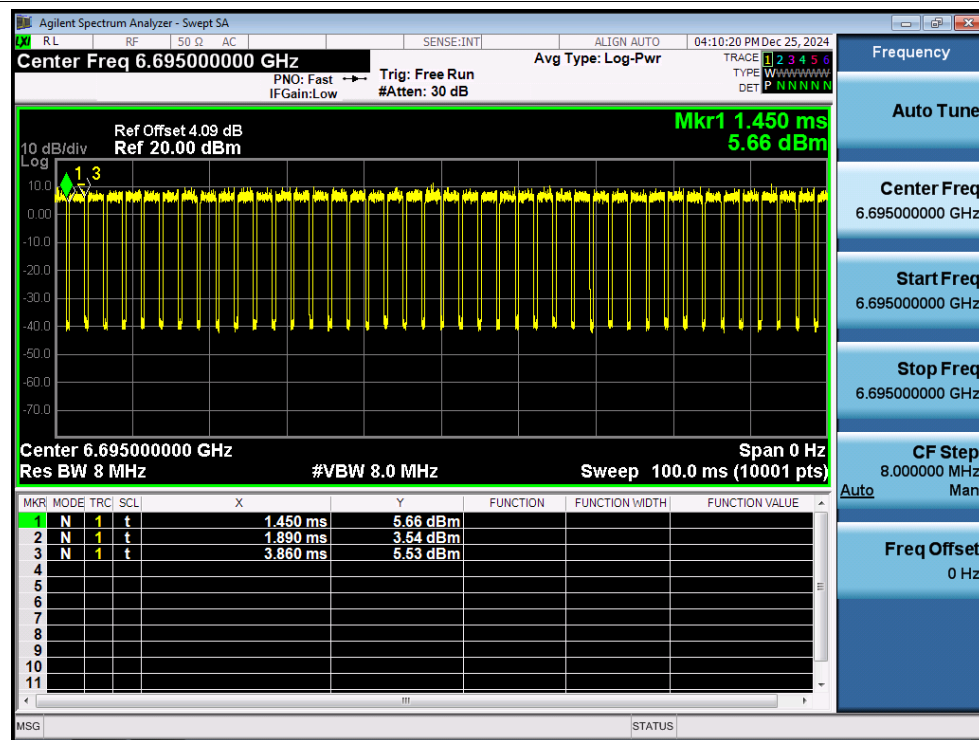




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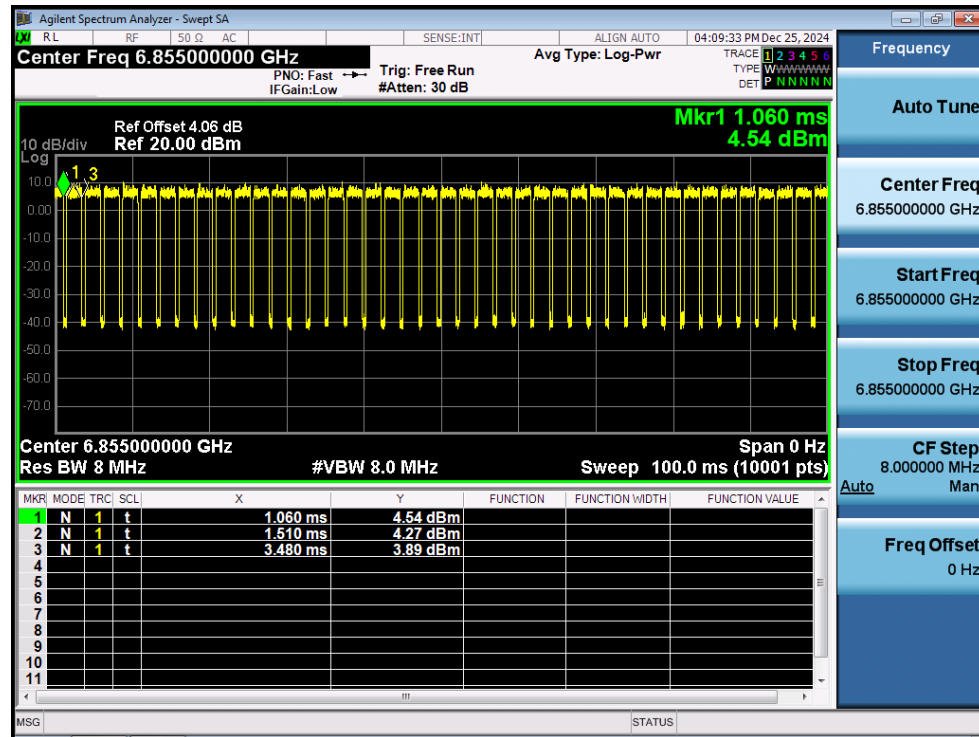


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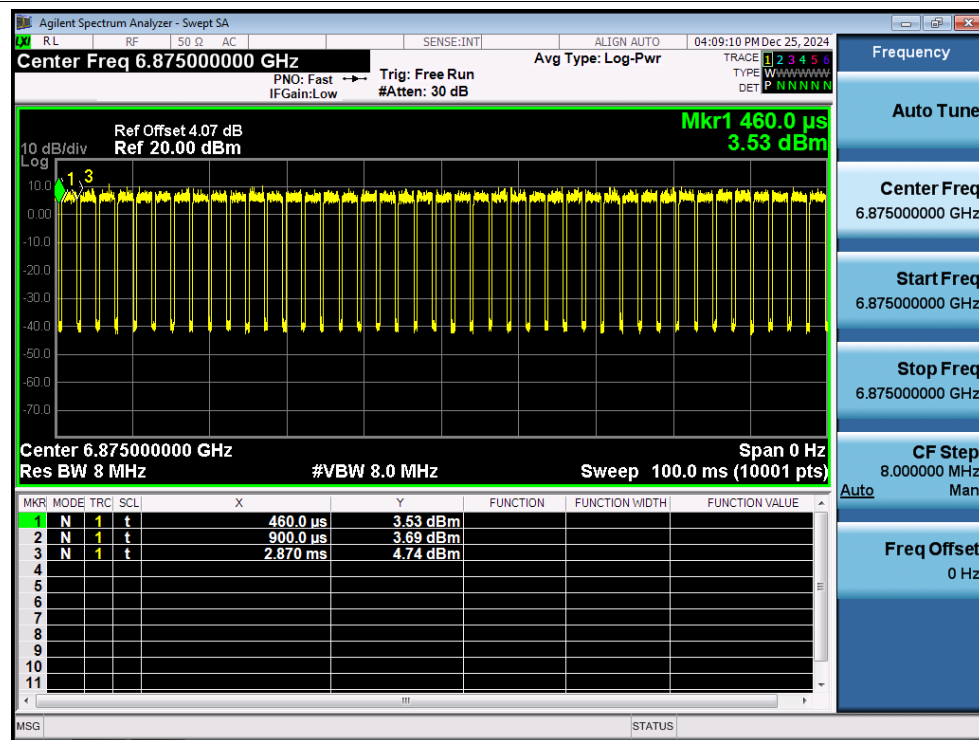




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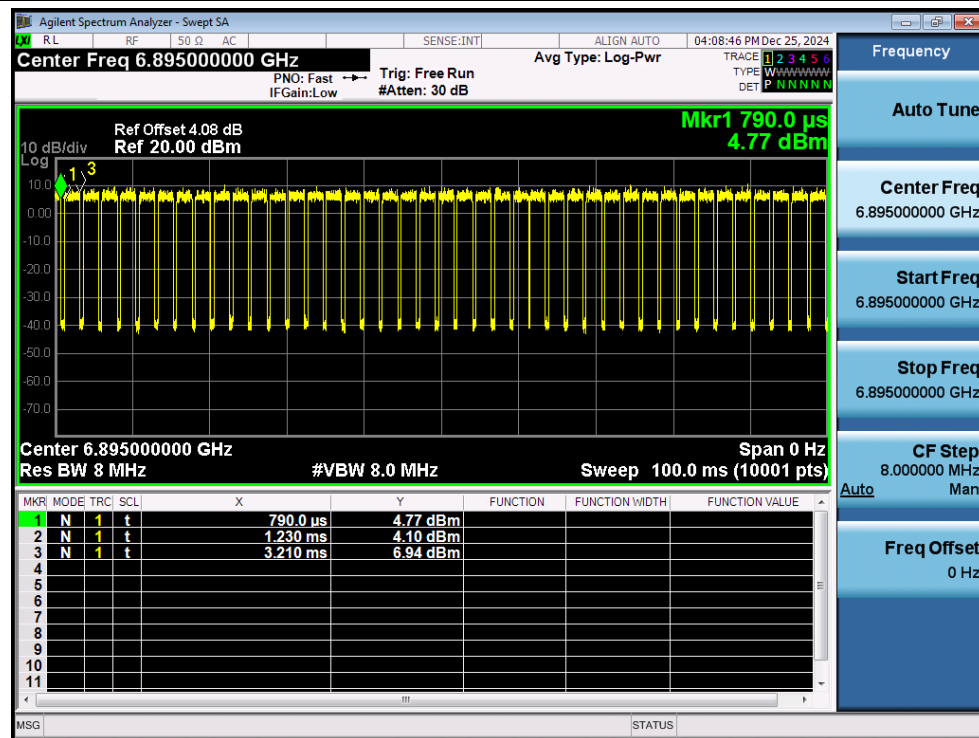


Duty Cycle NVNT ax20 6875MHz Ant1

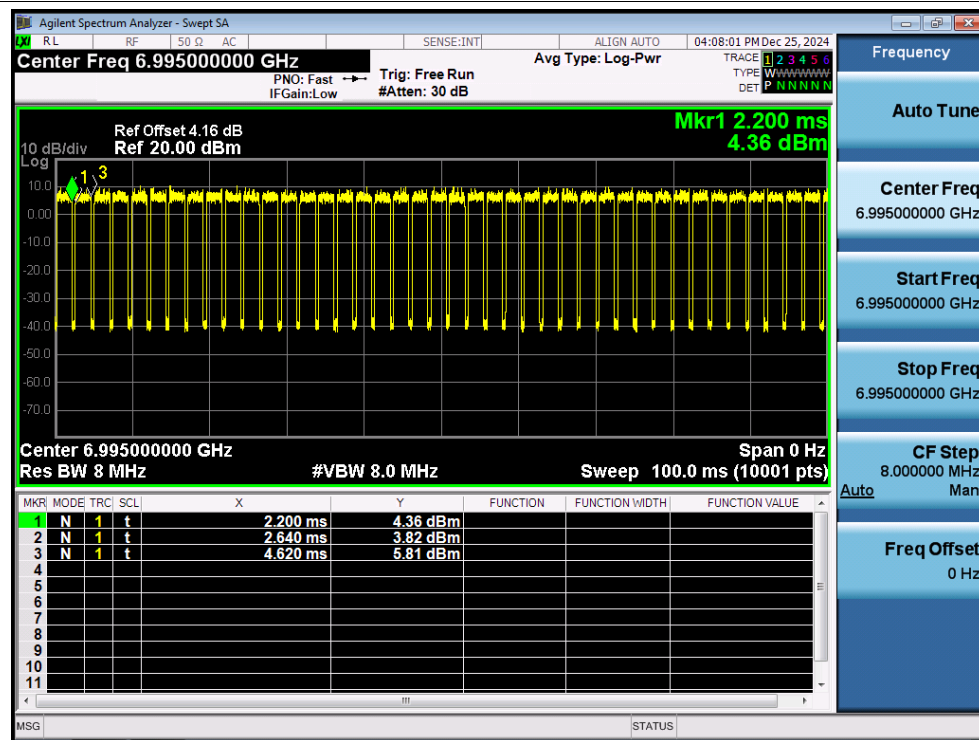




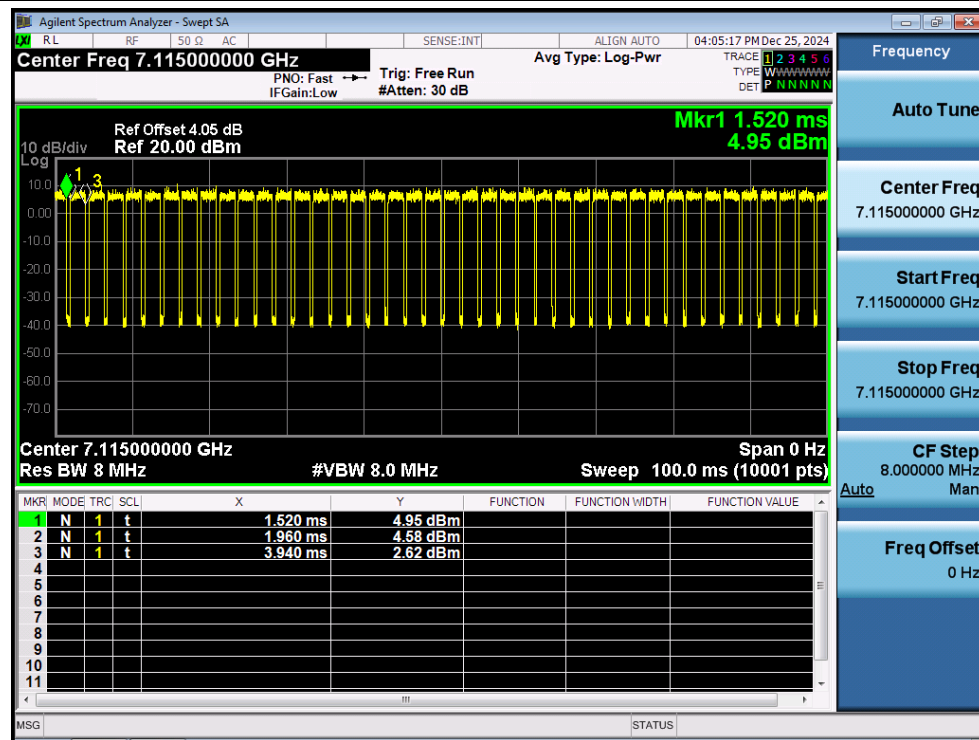
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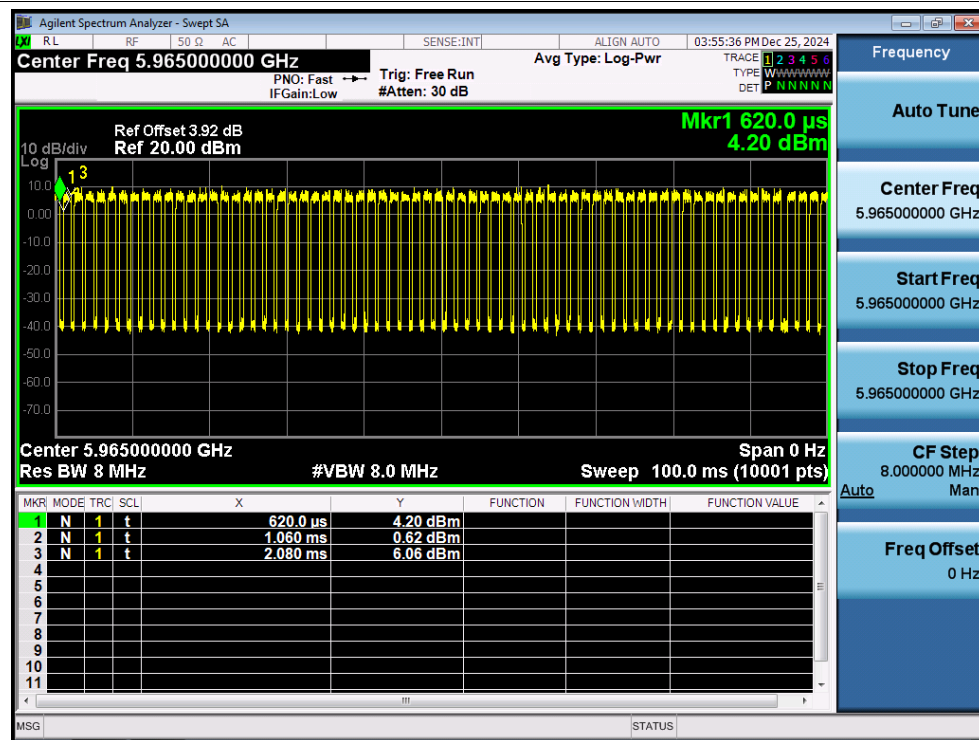
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Duty Cycle NVNT ax20 7115MHz Ant1

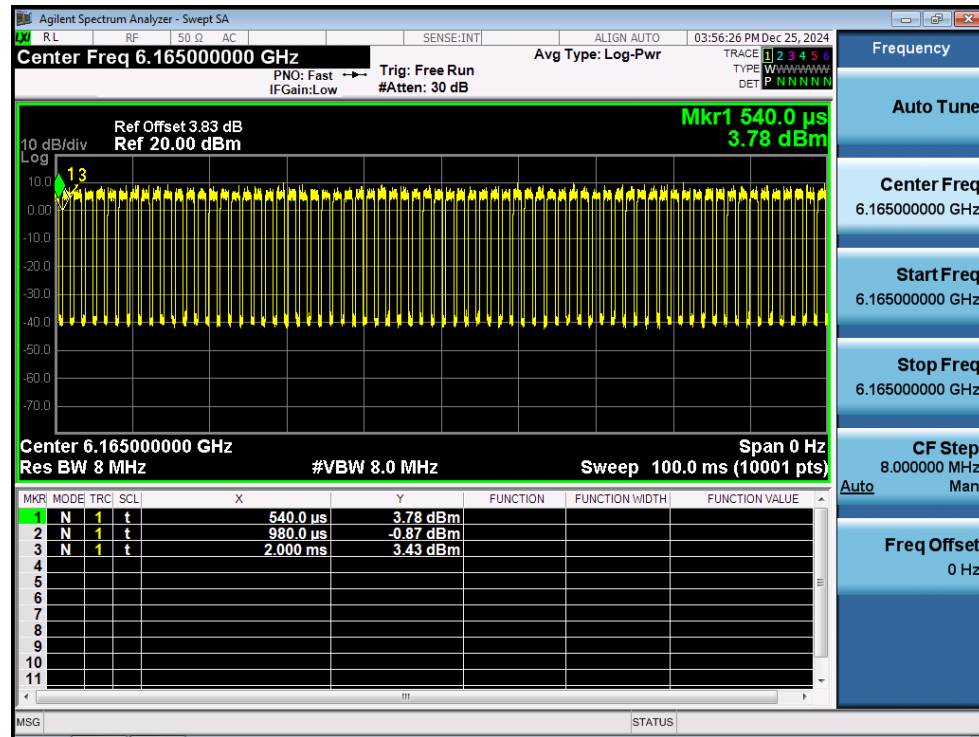


Duty Cycle NVNT ax40 5965MHz Ant1

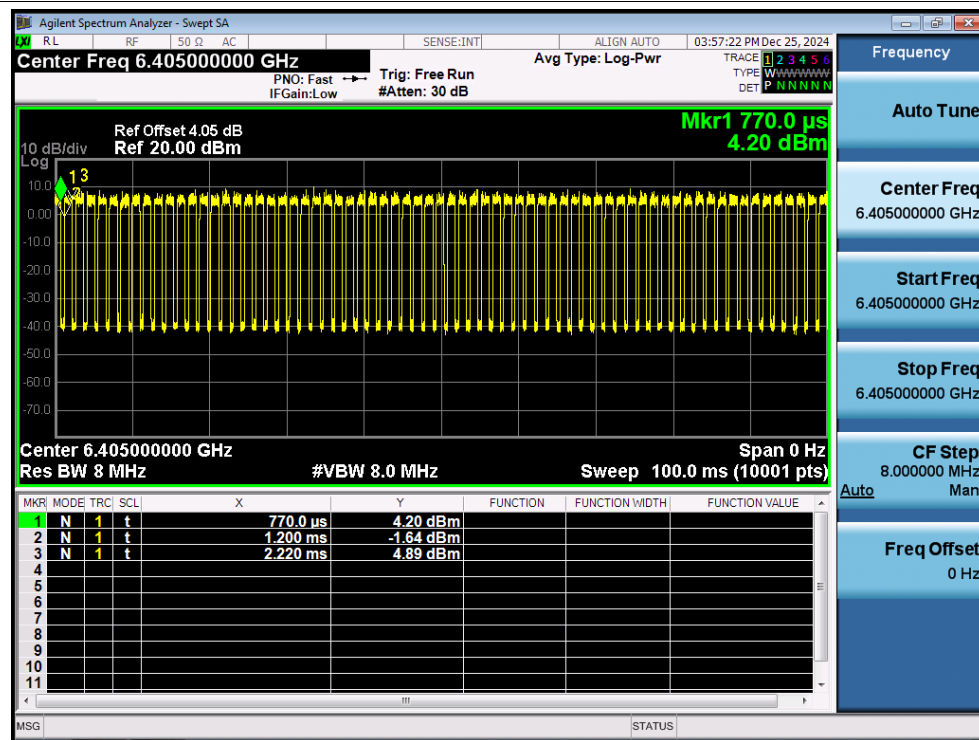




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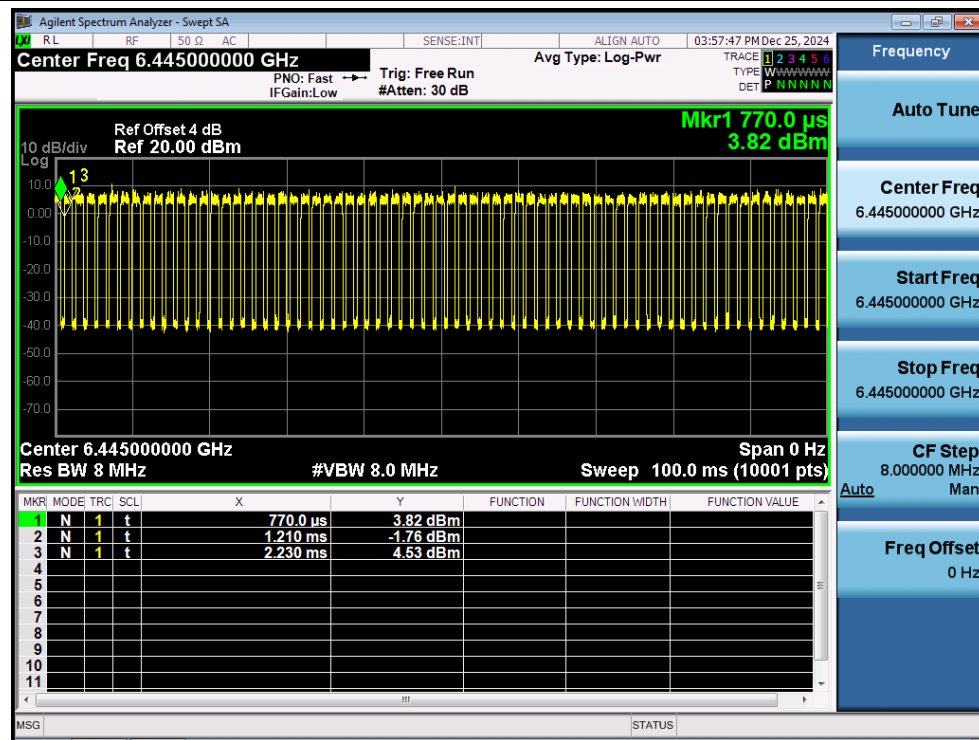


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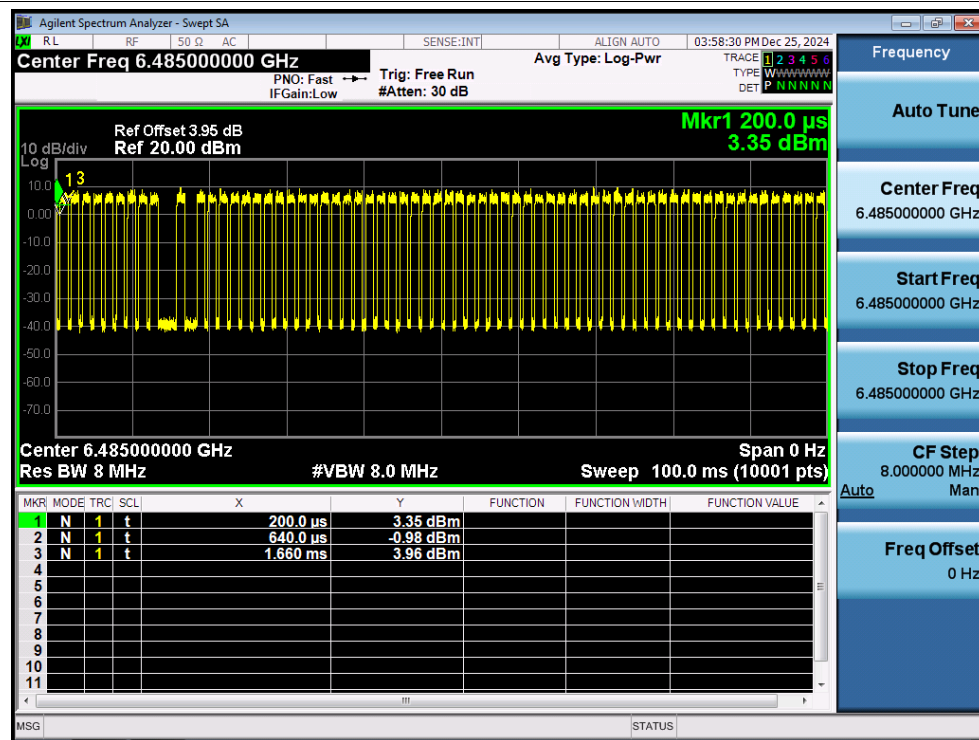




Duty Cycle NVNT ax40 6445MHz Ant1

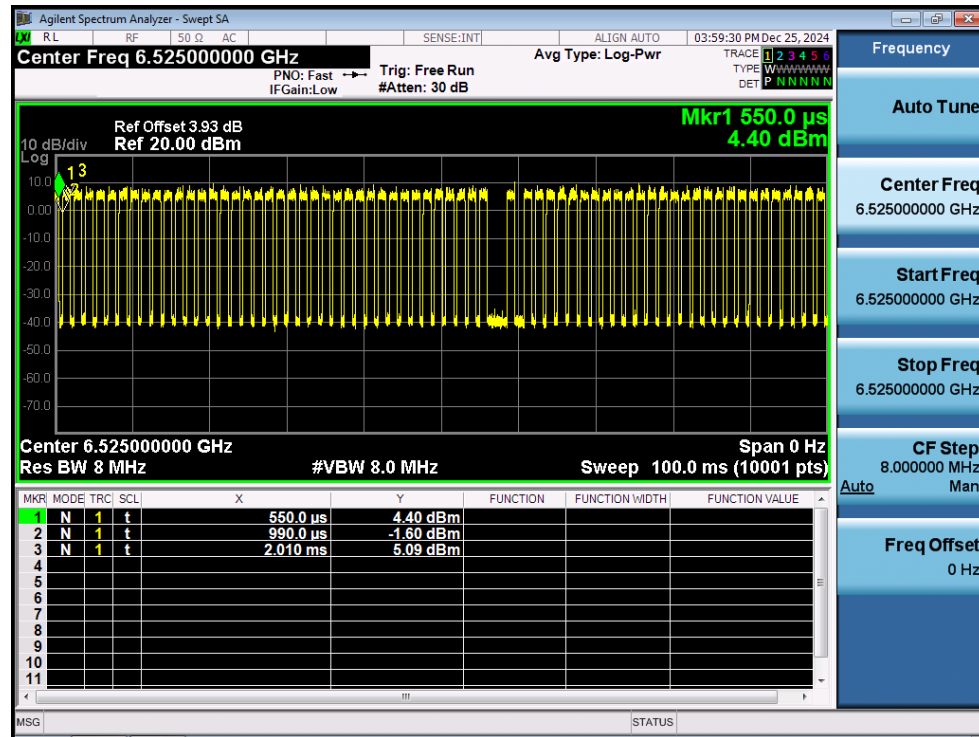


Duty Cycle NVNT ax40 6485MHz Ant1

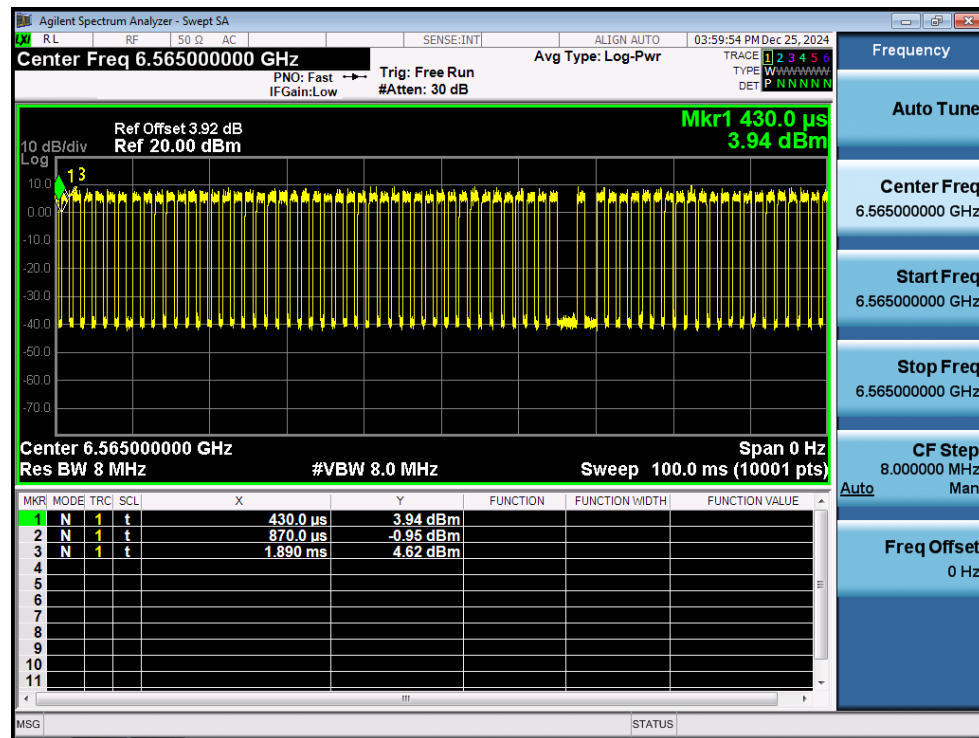




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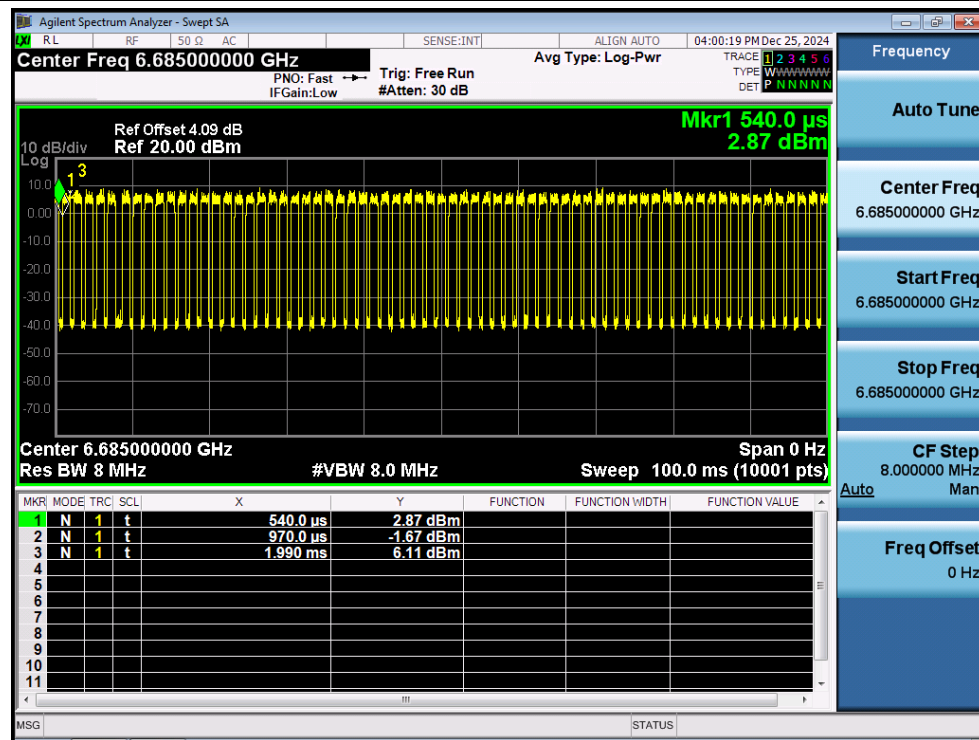


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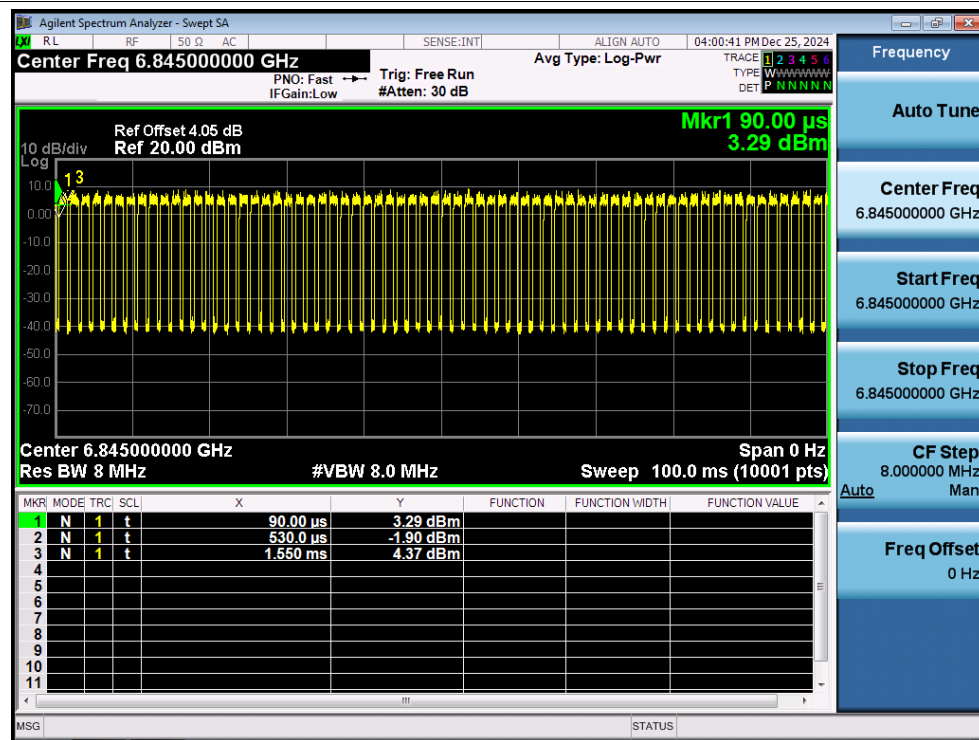




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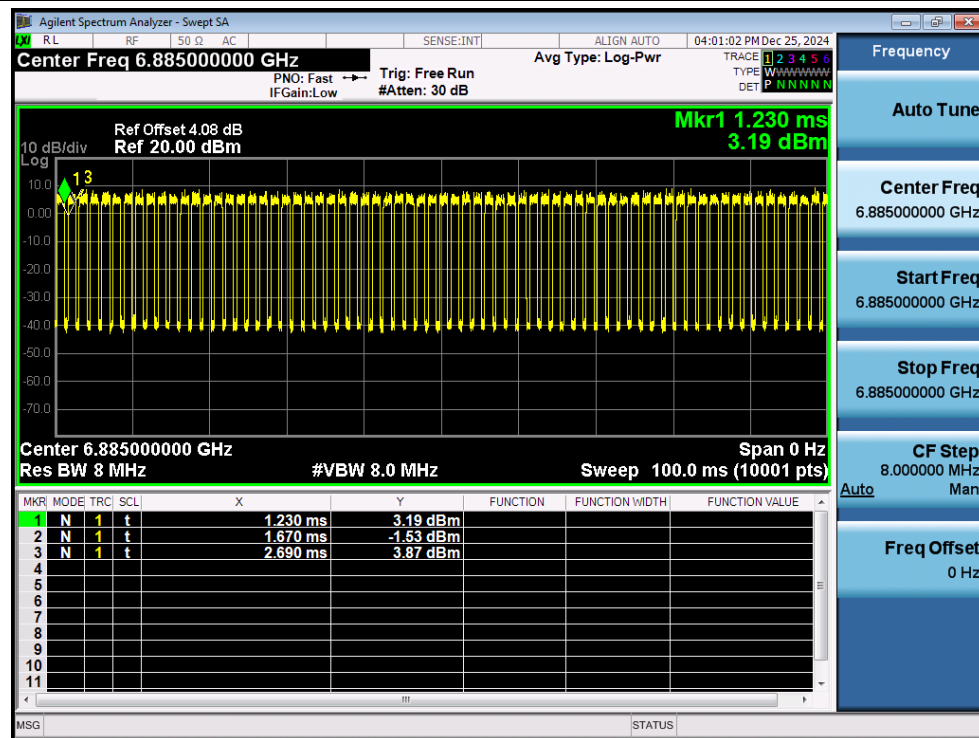


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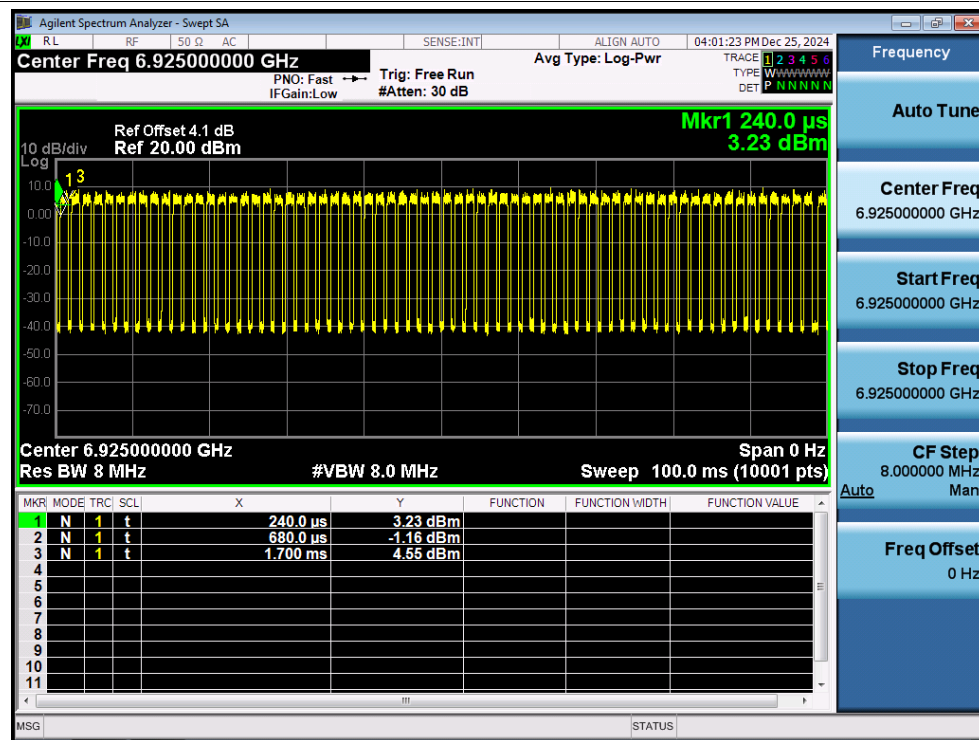




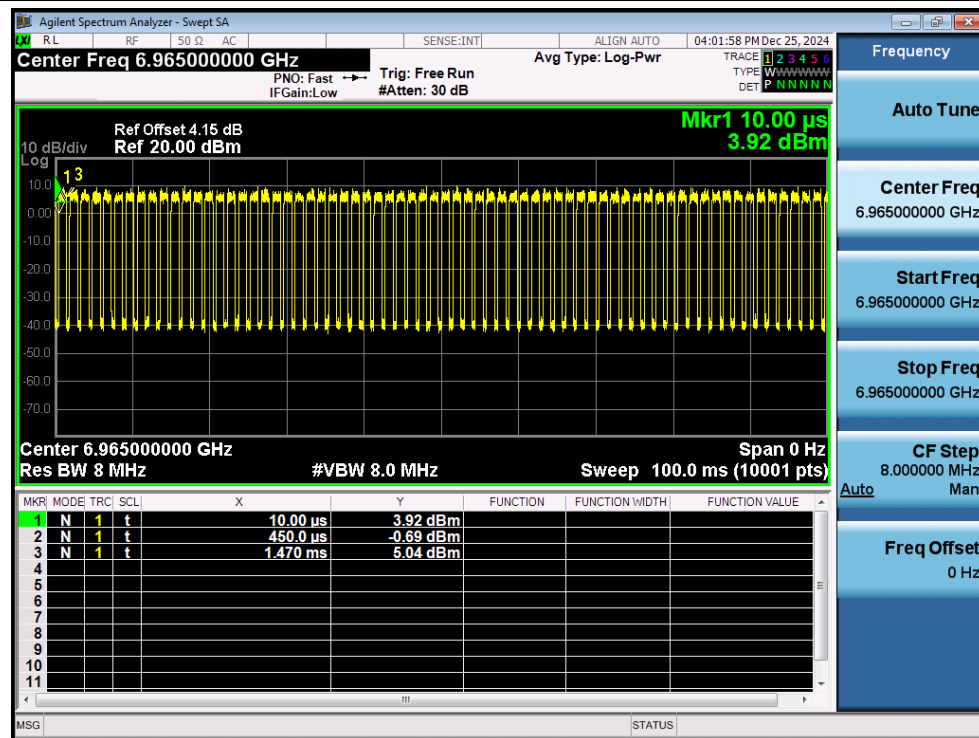
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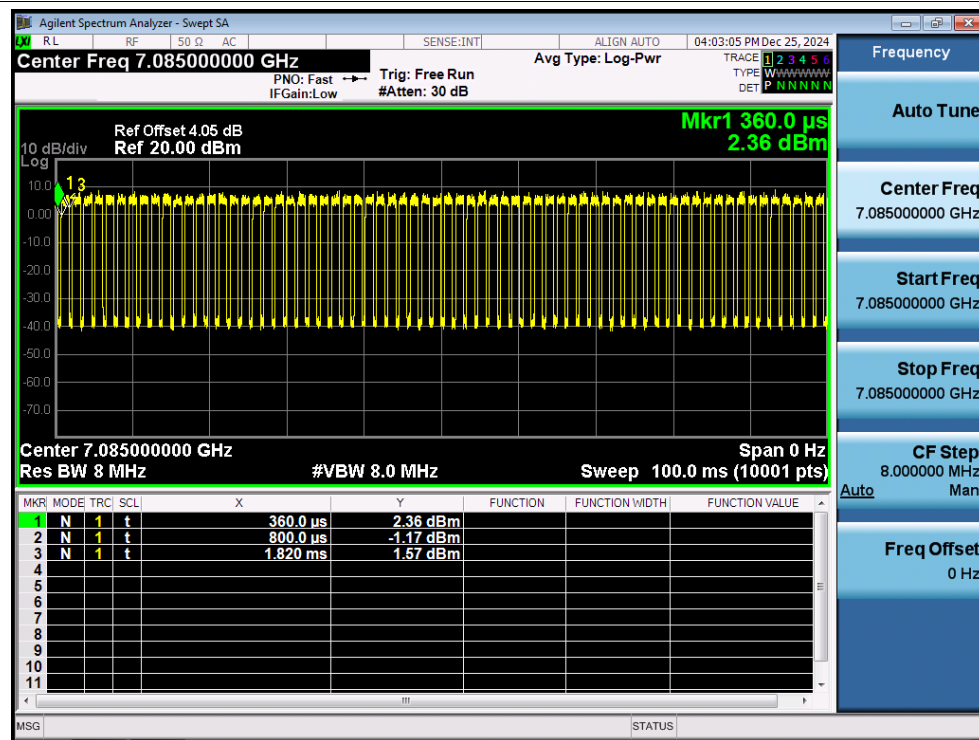
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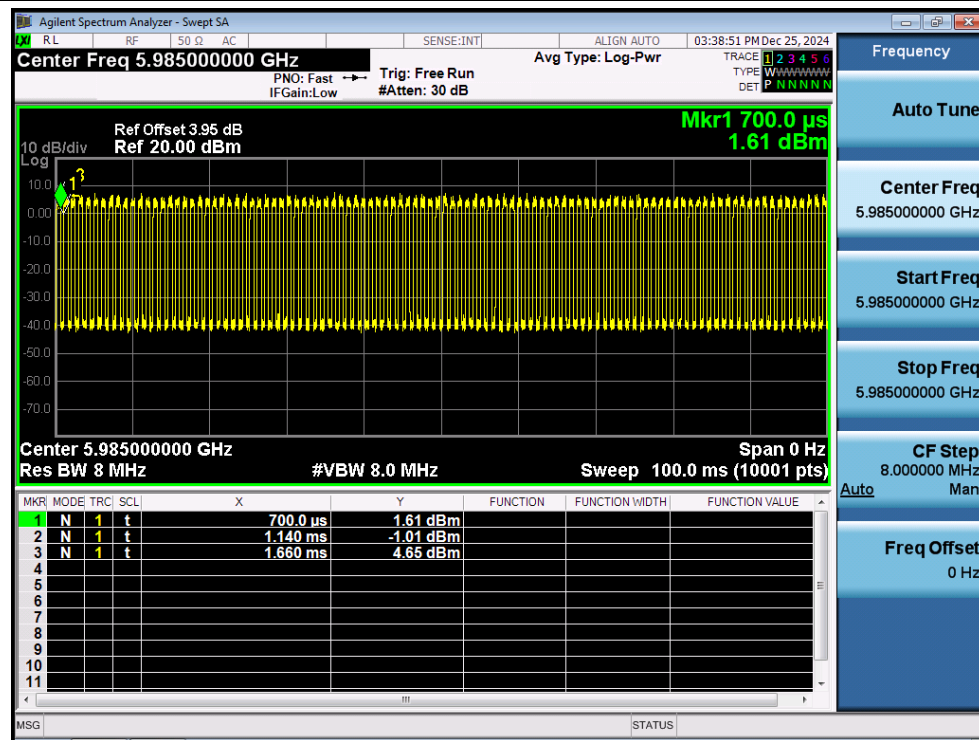
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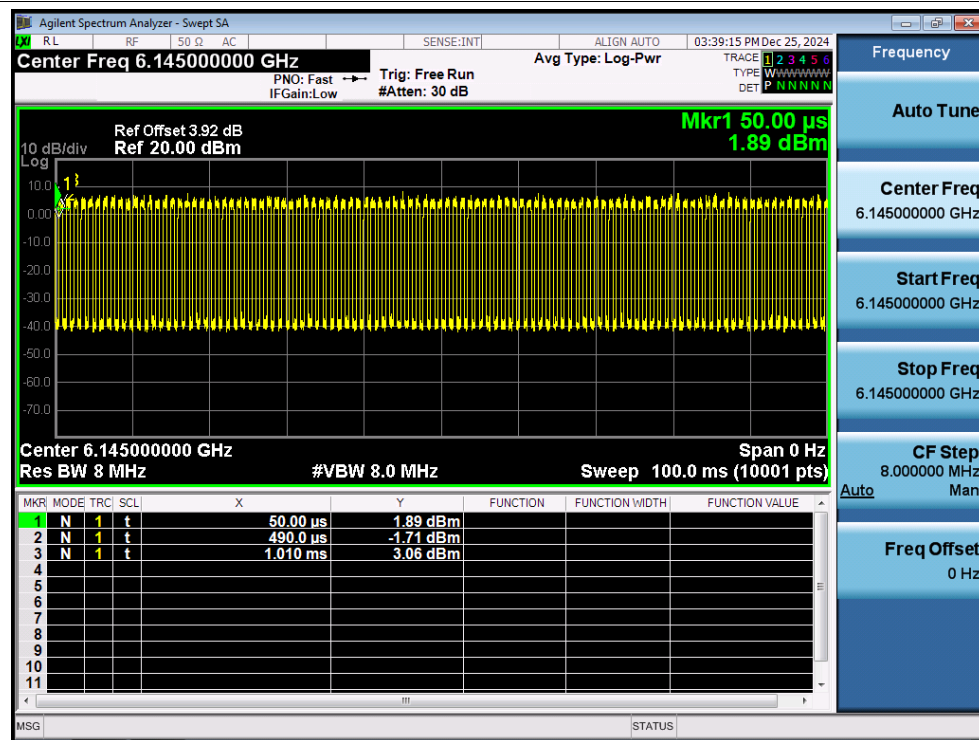
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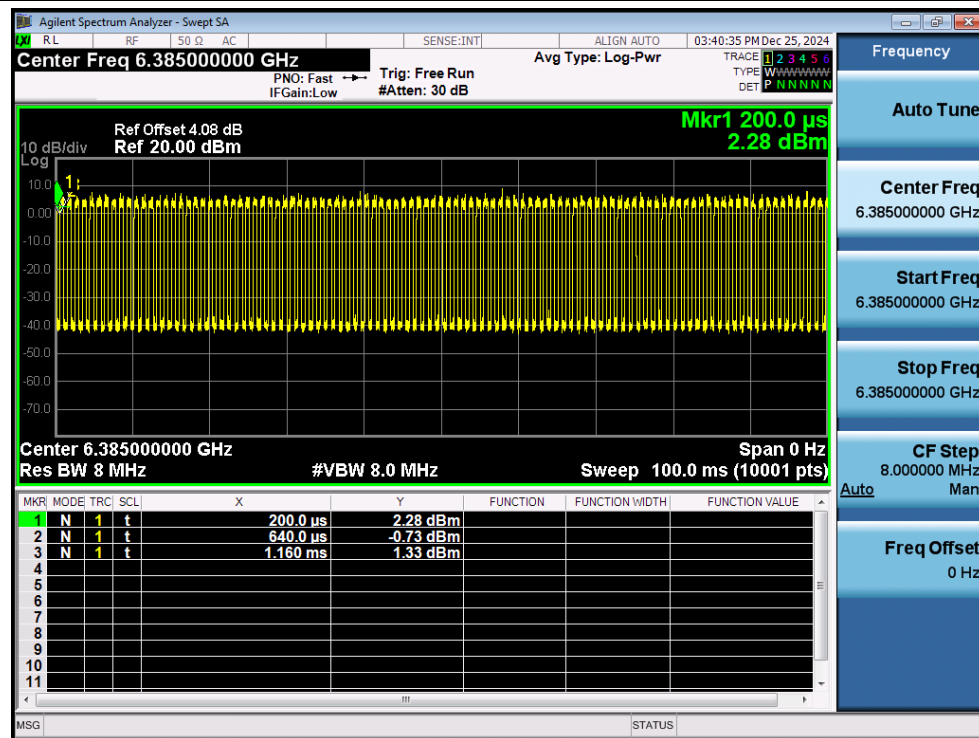


Duty Cycle NVNT ax80 6145MHz Ant1

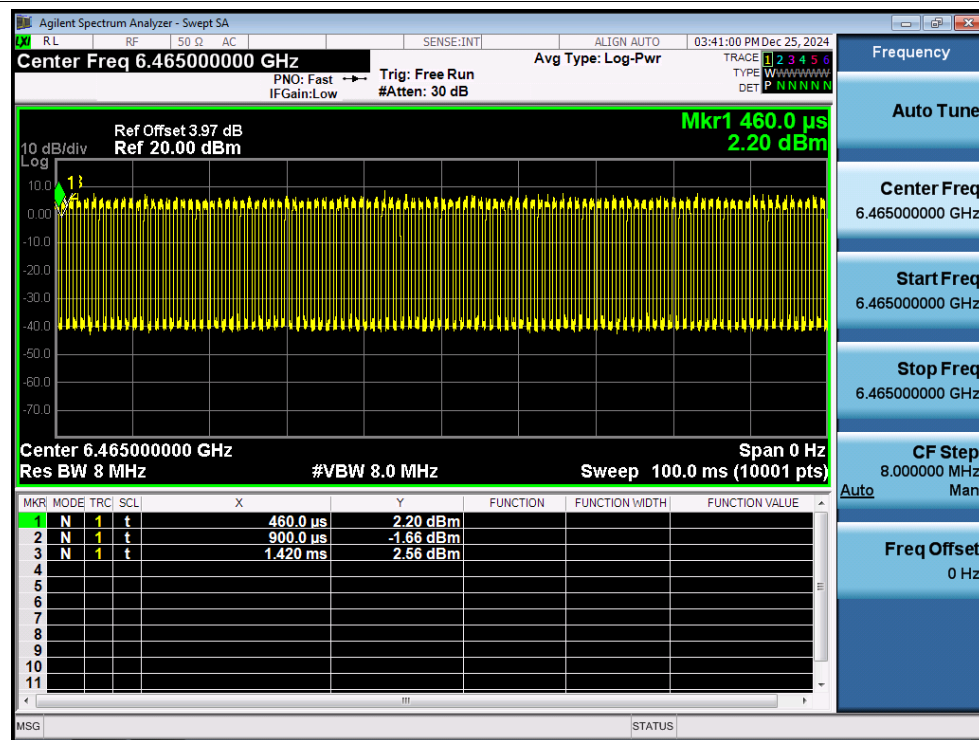




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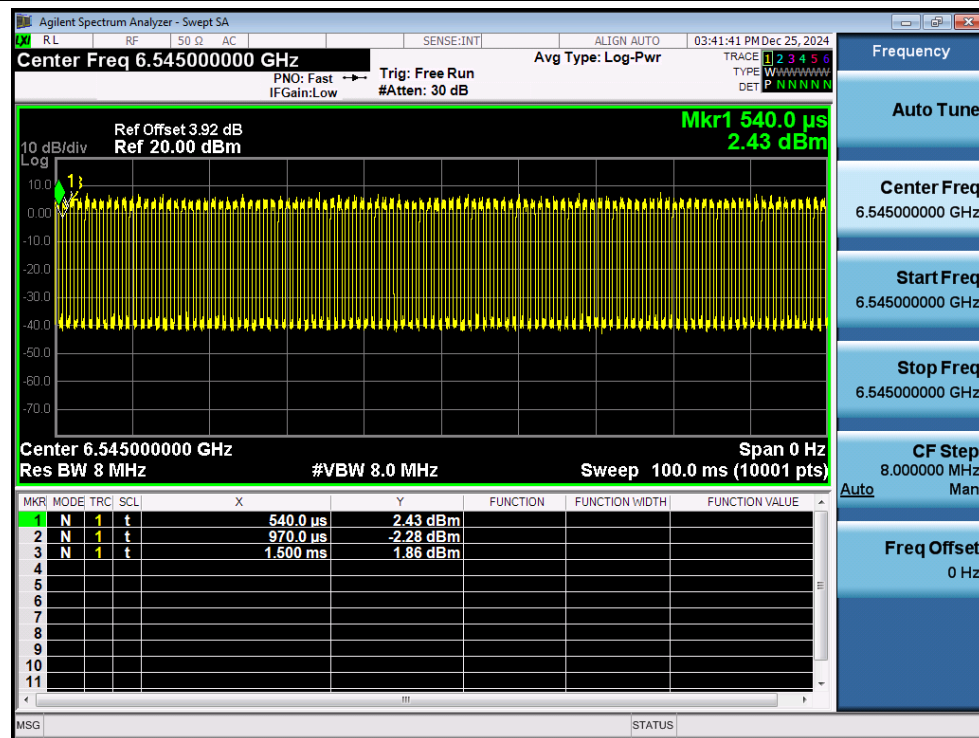


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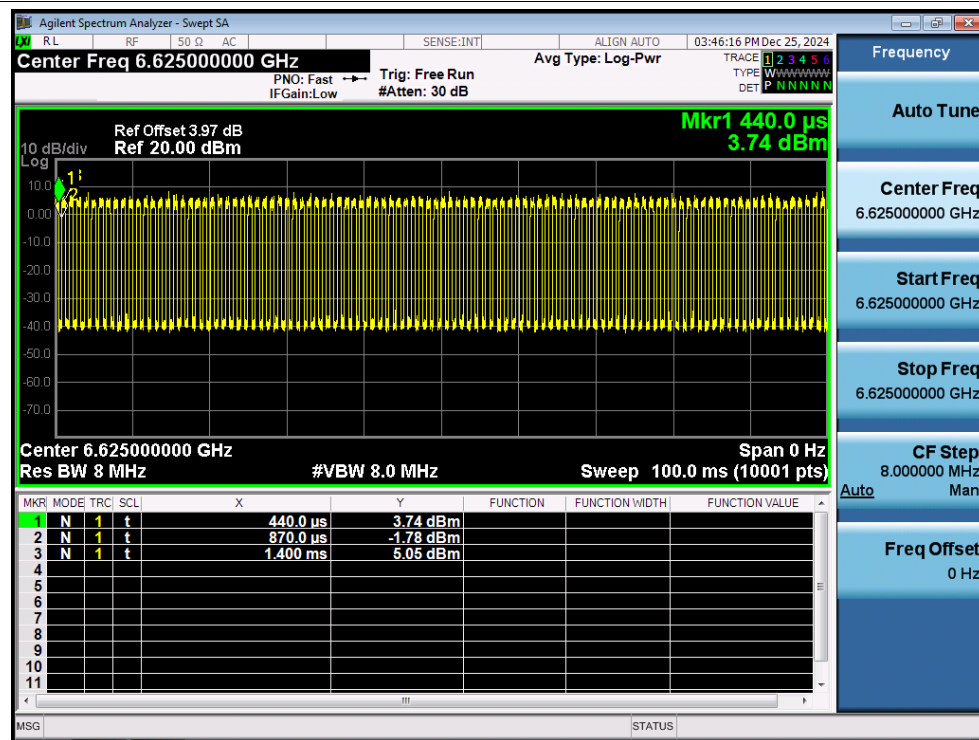




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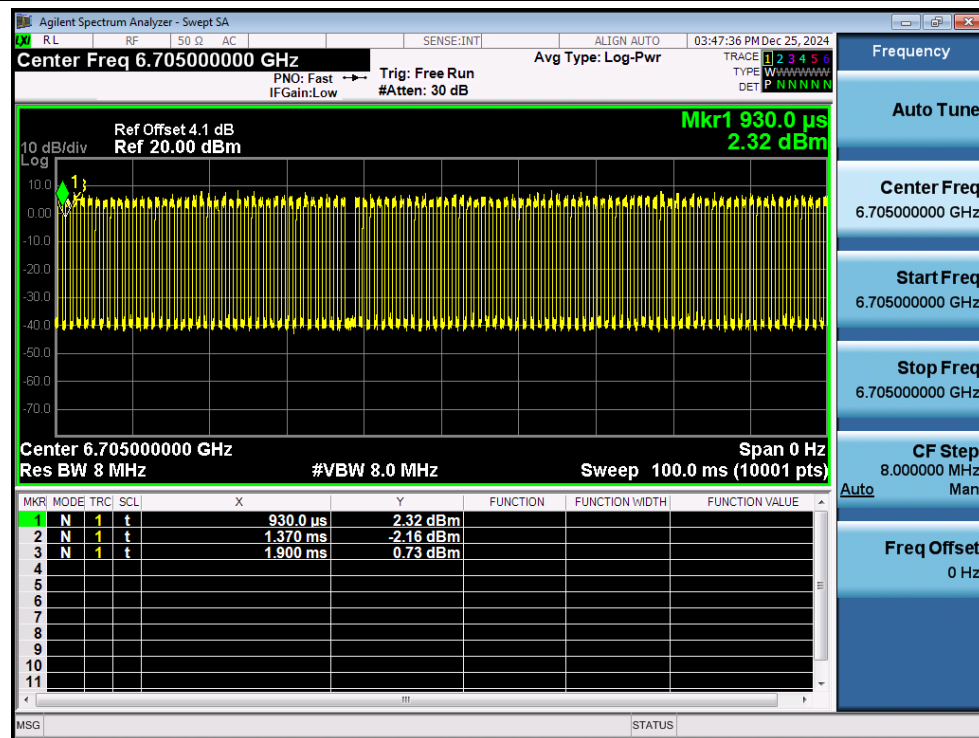


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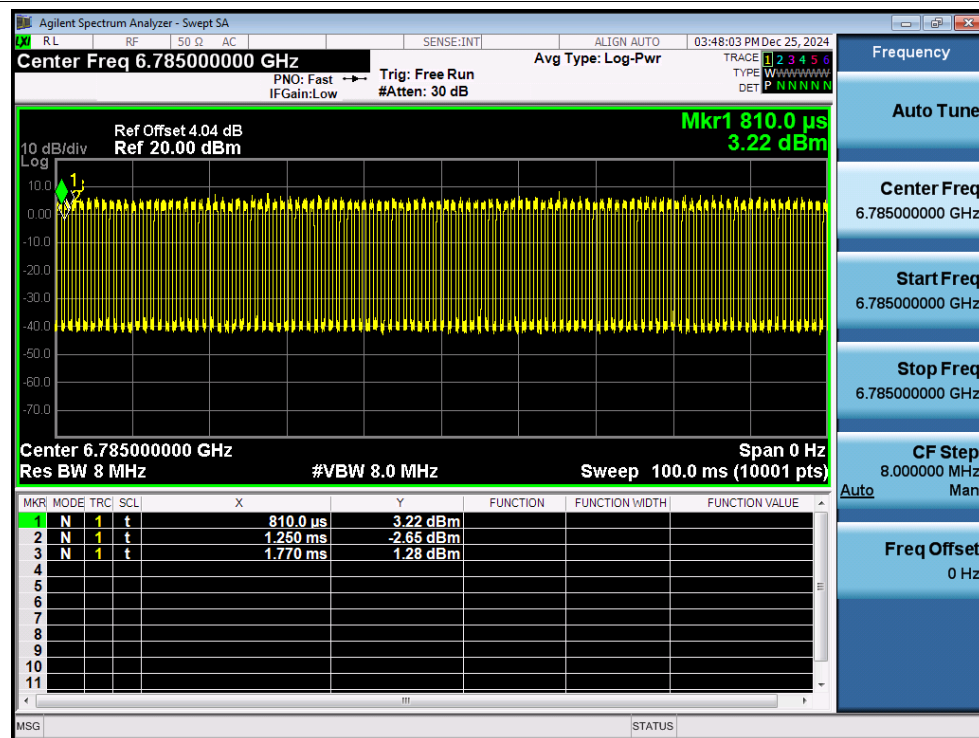




Duty Cycle NVNT ax80 6705MHz Ant1

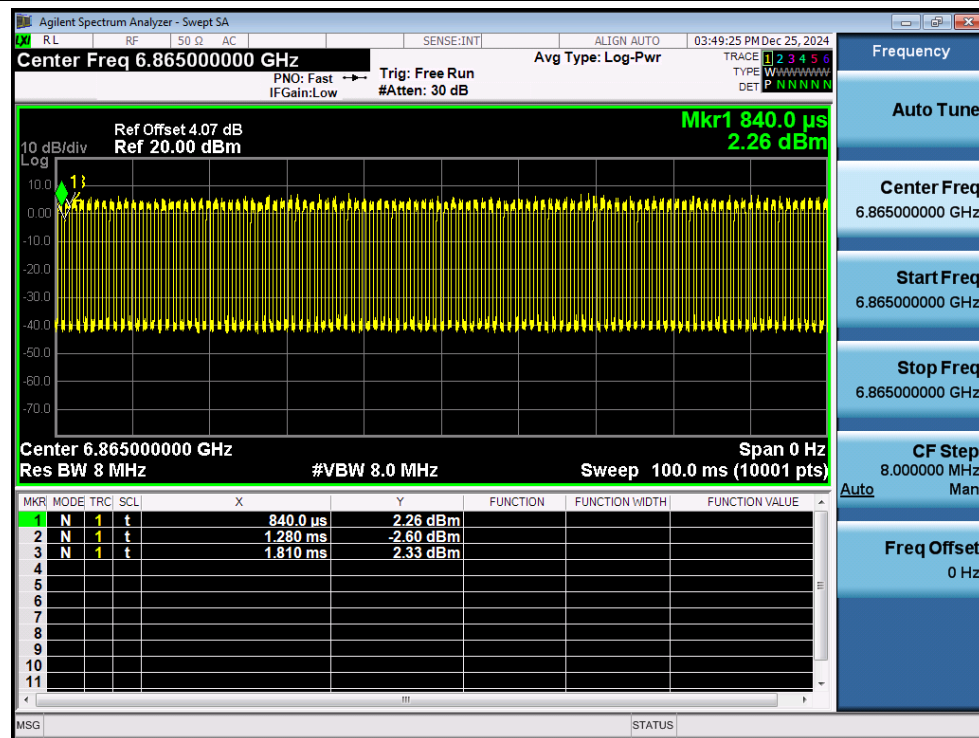


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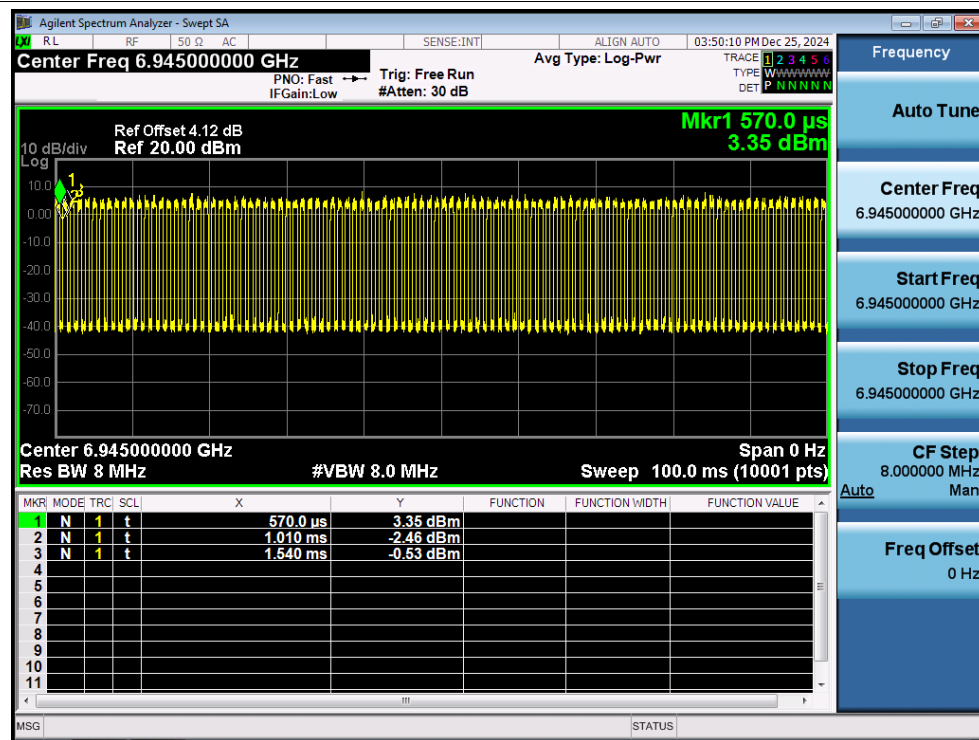




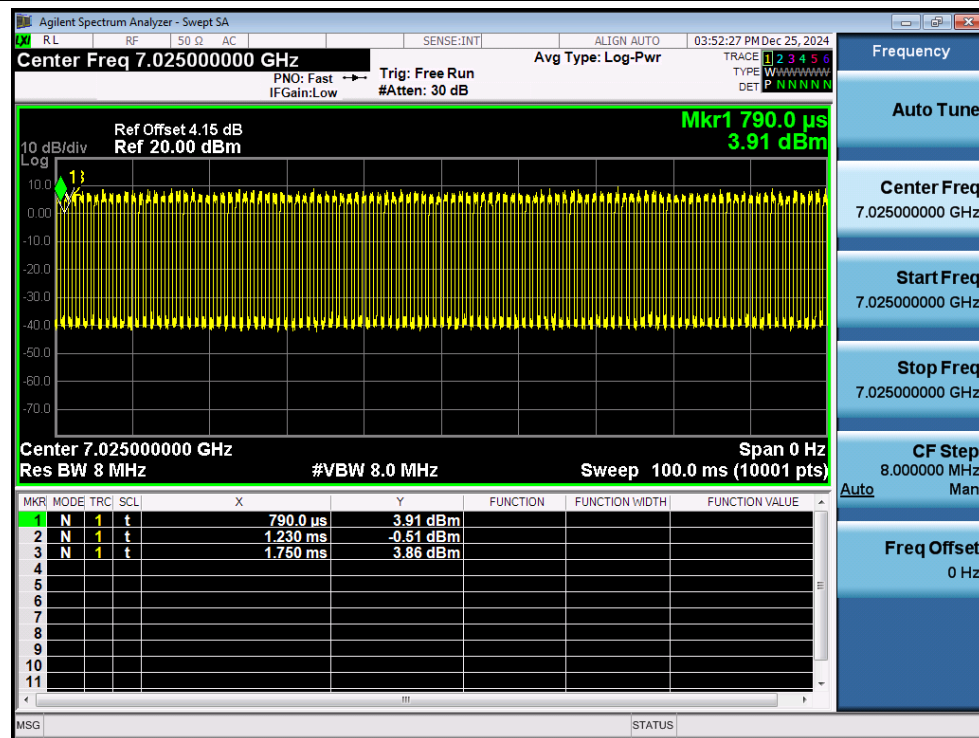
Duty Cycle NVNT ax80 6865MHz Ant1



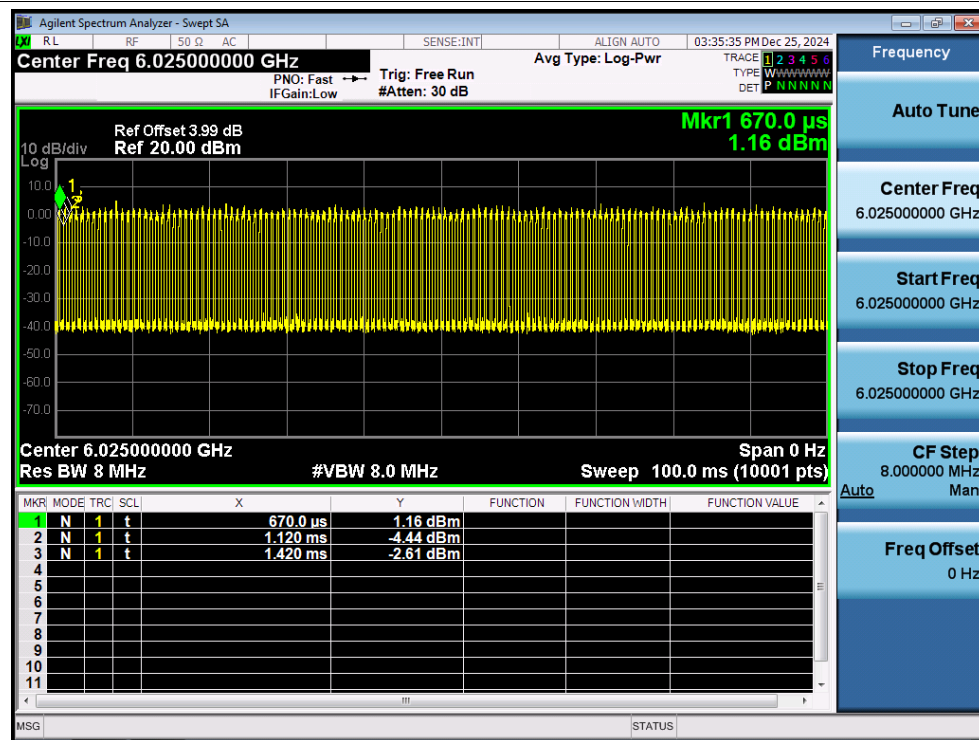
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Duty Cycle NVNT ax80 7025MHz Ant1

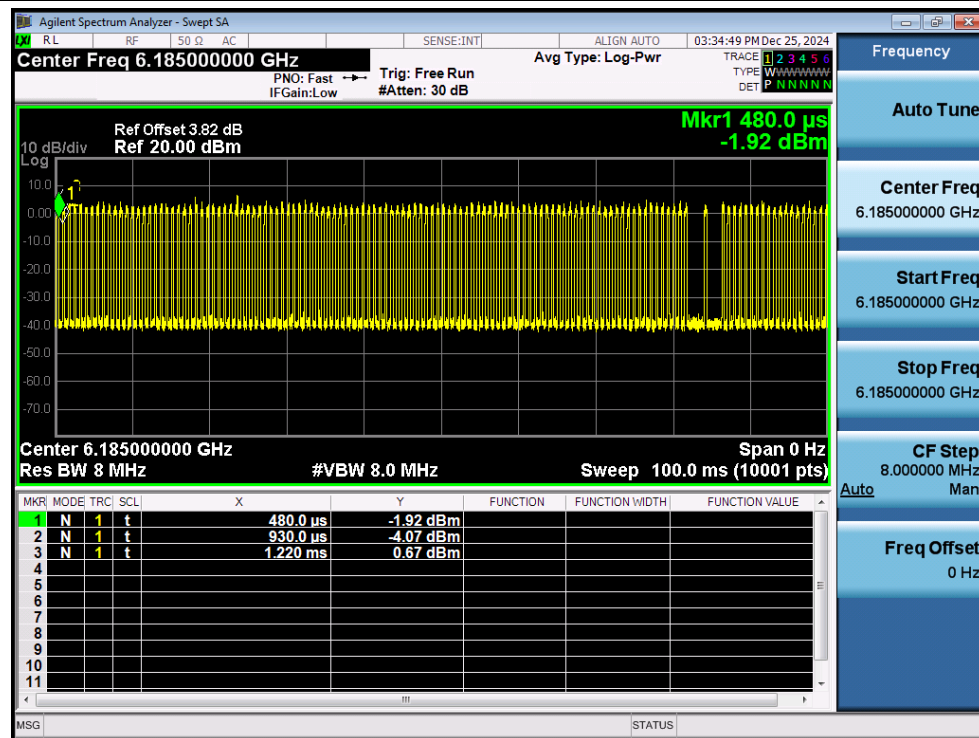


Duty Cycle NVNT ax160 6025MHz Ant1

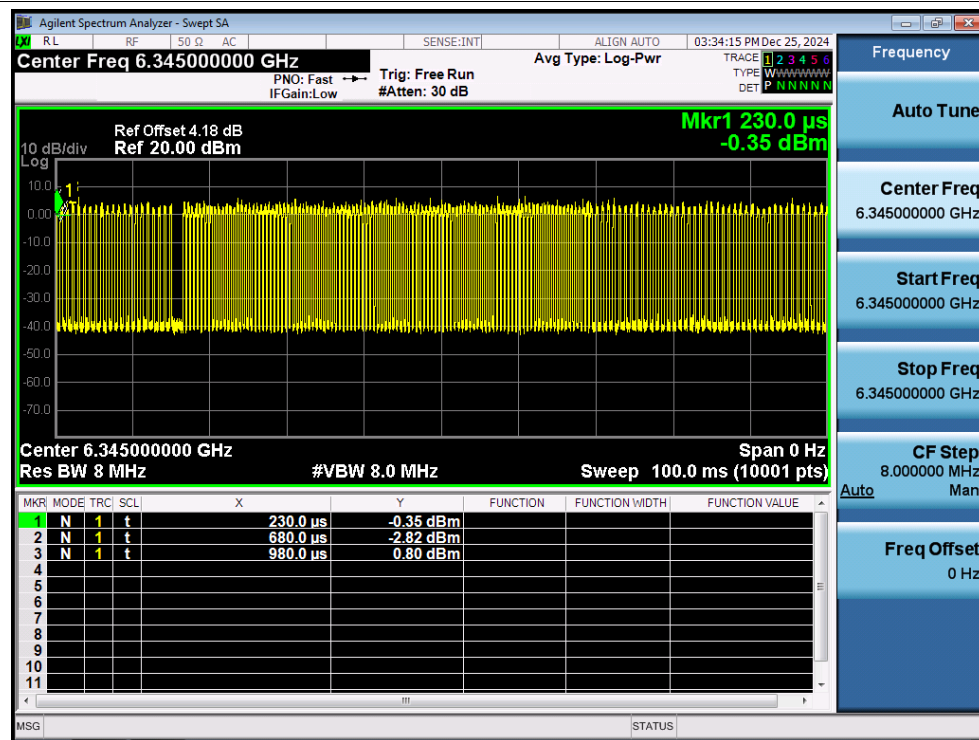




Duty Cycle NVNT ax160 6185MHz Ant1

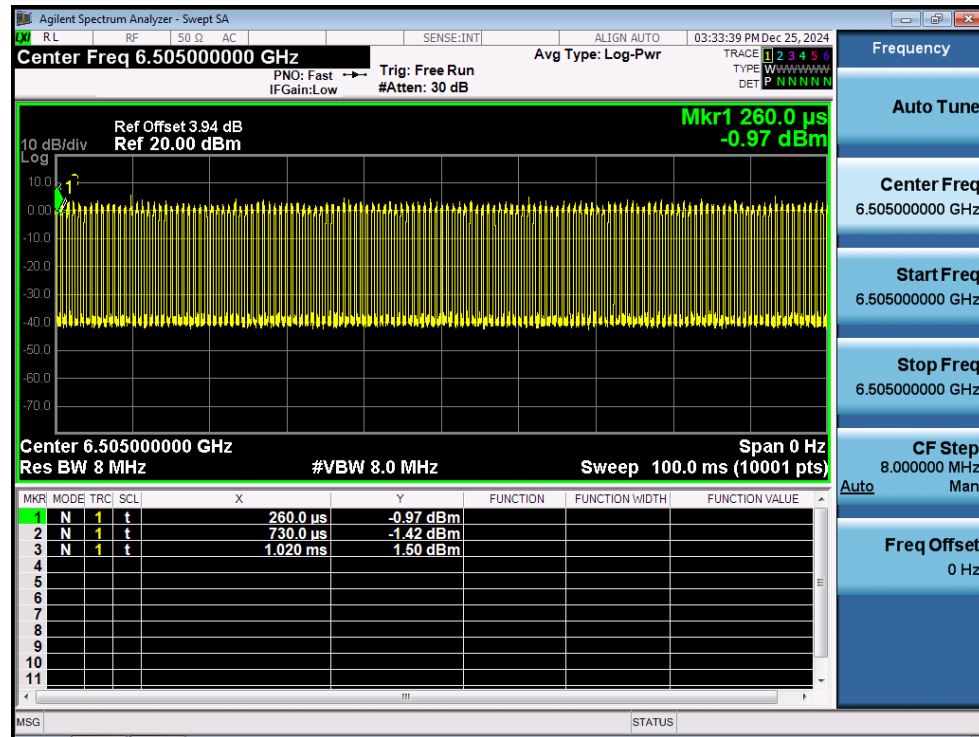


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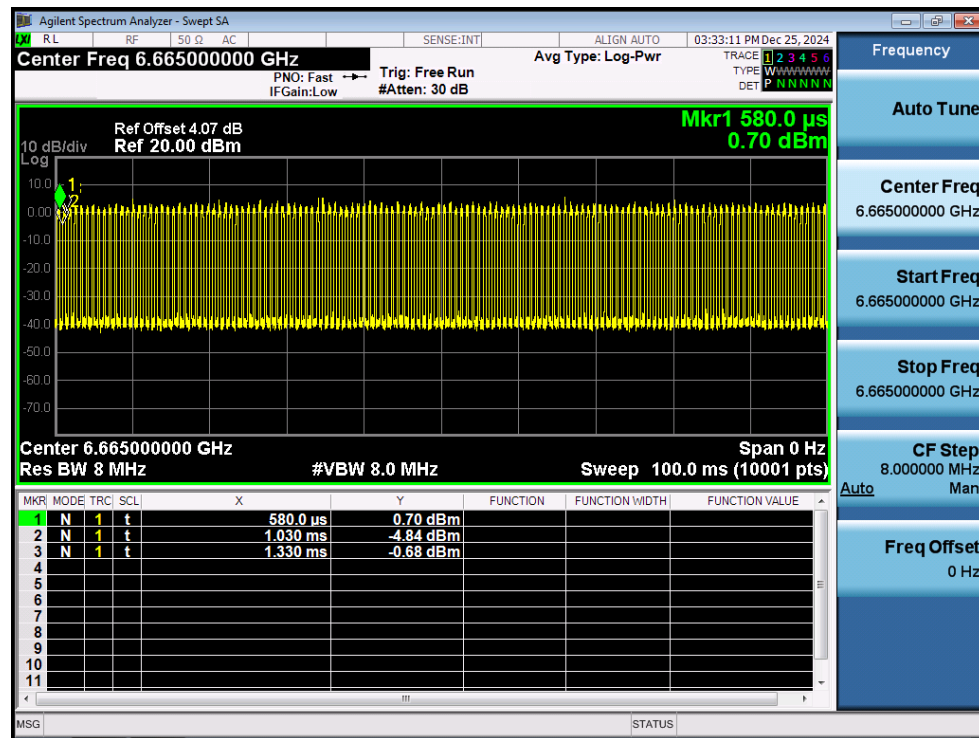




Duty Cycle NVNT ax160 6505MHz Ant1

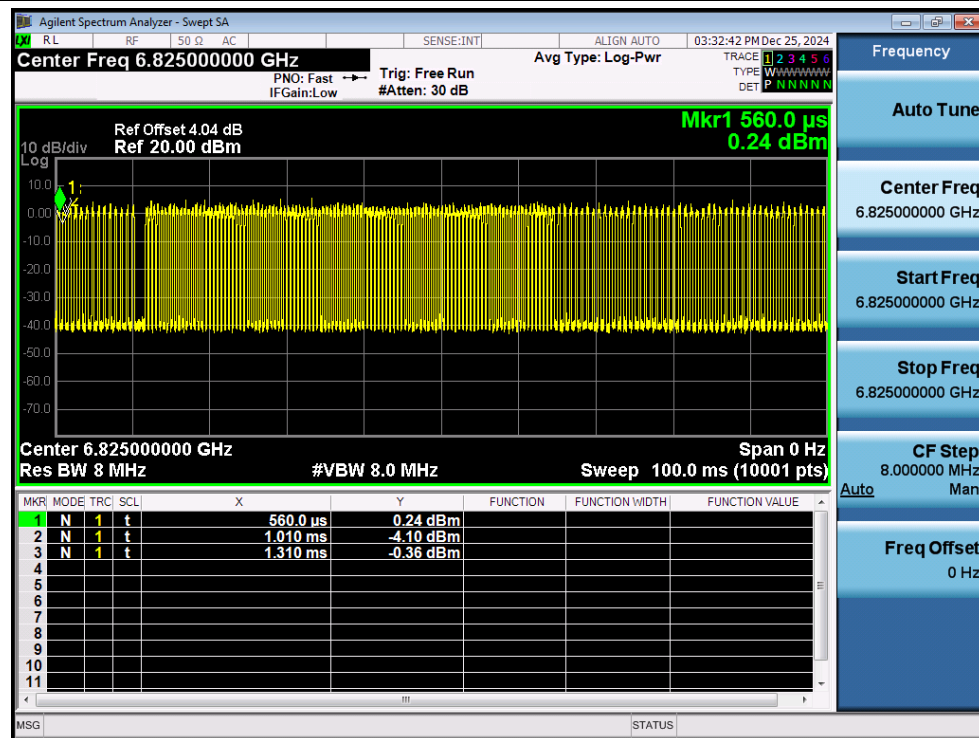


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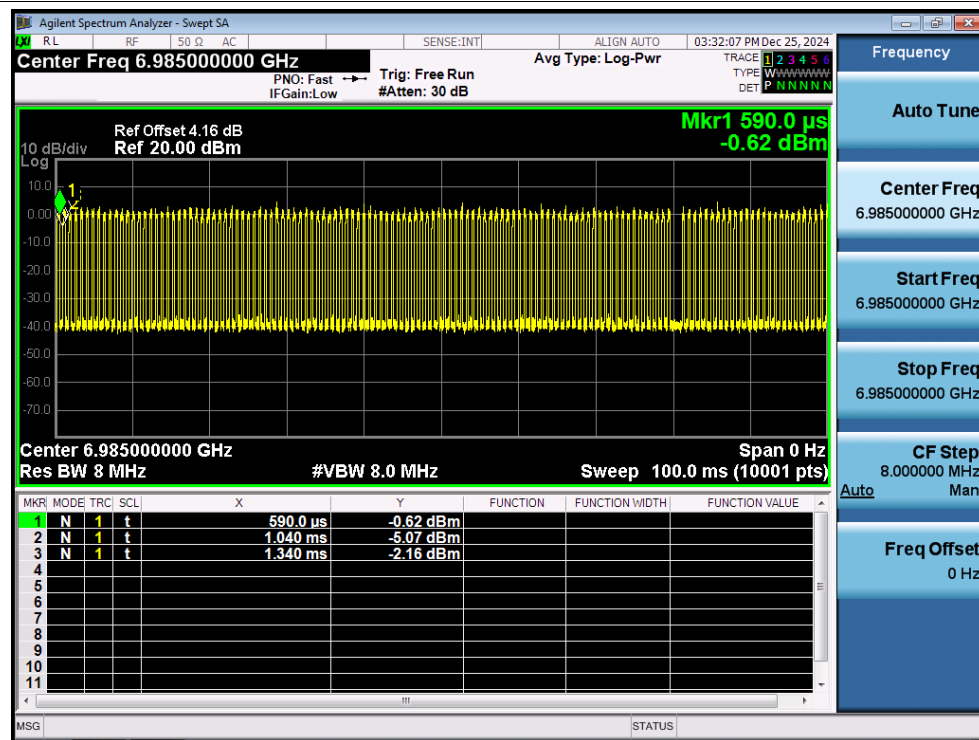




Duty Cycle NVNT ax160 6825MHz Ant1



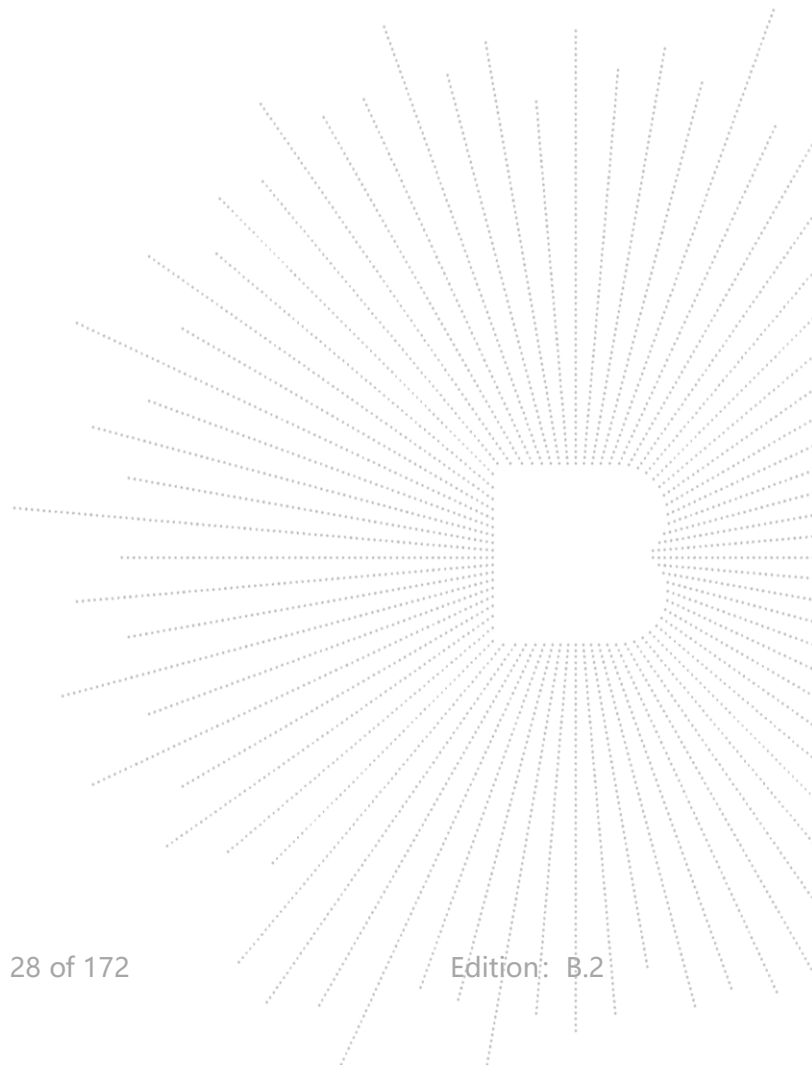
Duty Cycle NVNT ax160 6985MHz Ant1



Appendix B. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Result [dBm]	Gain (dBi)	eirp Power	Limit (dBm)	Verdict
NVNT	ax20	5955	Ant1	6.39	0.87	7.26	2.64	9.9	24	Pass
		6175		7.41	0.87	8.28	2.64	10.92	24	Pass
		6415		7.2	0.88	8.08	2.64	10.72	24	Pass
		6435		6.96	0.59	7.55	1.79	9.34	24	Pass
		6475		6.65	0.87	7.52	1.79	9.31	24	Pass
		6515		6.5	0.89	7.39	1.79	9.18	24	Pass
		6535		6.57	0.88	7.45	1.79	9.24	24	Pass
		6695		6.48	0.88	7.36	1.79	9.15	24	Pass
		6855		6.51	0.89	7.4	1.79	9.19	24	Pass
		6875		6.3	0.88	7.18	1.79	8.97	24	Pass
		6895		6.32	0.87	7.19	1.93	9.12	24	Pass
		6995		6.36	0.87	7.23	1.93	9.16	24	Pass
		7115		6.37	0.87	7.24	1.93	9.17	24	Pass
	ax40	5965		4.69	1.56	6.25	2.64	8.89	24	Pass
		6165		5.11	1.56	6.67	2.64	9.31	24	Pass
		6405		5.15	1.53	6.68	2.64	9.32	24	Pass
		6445		5.18	1.56	6.74	1.79	8.53	24	Pass
		6485		5.02	1.56	6.58	1.79	8.37	24	Pass
		6525		4.44	1.56	6	1.79	7.79	24	Pass
		6565		4.67	1.56	6.23	1.79	8.02	24	Pass
		6685		4.76	1.53	6.29	1.79	8.08	24	Pass
		6845		4.75	1.56	6.31	1.79	8.1	24	Pass
		6885		5.07	1.56	6.63	1.93	8.56	24	Pass
		6925		5.15	1.56	6.71	1.93	8.64	24	Pass
		6965		4.19	1.56	5.75	1.93	7.68	24	Pass
		7085		4.9	1.56	6.46	1.93	8.39	24	Pass
	ax80	5985		3.61	2.66	6.27	2.64	8.91	24	Pass
		6145		3.68	2.66	6.34	2.64	8.98	24	Pass
		6385		4.06	2.66	6.72	2.64	9.36	24	Pass
		6465		4.02	2.66	6.68	1.79	8.47	24	Pass
		6545		3.85	2.58	6.43	1.79	8.22	24	Pass
		6625		4.45	2.58	7.03	1.79	8.82	24	Pass
		6705		4.38	2.62	7	1.79	8.79	24	Pass
		6785		3.42	2.66	6.08	1.79	7.87	24	Pass
		6865		3.72	2.62	6.34	1.79	8.13	24	Pass
		6945		3.41	2.62	6.03	1.93	7.96	24	Pass
		7025		4.19	2.66	6.85	1.93	8.78	24	Pass

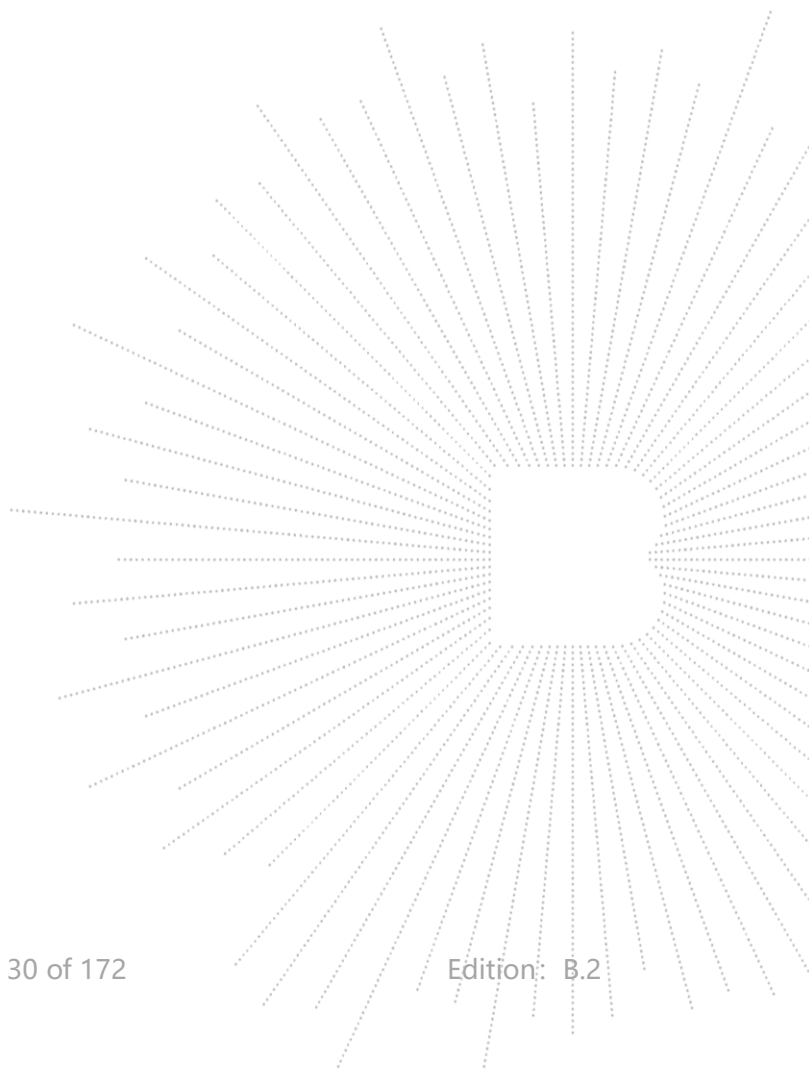
	ax160	6025		1.36	3.98	5.34	2.64	7.98	24	Pass
		6185		2.63	4.07	6.7	2.64	9.34	24	Pass
		6345		3.06	3.98	7.04	2.64	9.68	24	Pass
		6505		1.54	4.18	5.72	1.79	7.51	24	Pass
		6665		2.33	3.98	6.31	1.79	8.1	24	Pass
		6825		2.34	3.98	6.32	1.79	8.11	24	Pass
		6985		1.69	3.98	5.67	1.93	7.6	24	Pass



Appendix C. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	5955	Ant1	18.843
		6175		18.807
		6415		18.838
		6435		18.807
		6475		18.773
		6515		18.822
		6535		18.813
		6695		18.856
		6855		18.819
		6875		18.853
		6895		18.825
		6995		18.839
		7115		18.815
	ax40	5965		37.594
		6165		37.39
		6405		37.455
		6445		37.505
		6485		37.515
		6525		37.385
		6565		37.485
		6685		37.468
		6845		37.602
		6885		37.515
		6925		37.548
		6965		37.578
		7085		37.561
	ax80	5985		76.649
		6145		76.924
		6385		76.941
		6465		76.559
		6545		76.525
		6625		76.517
		6705		76.76
		6785		76.655
		6865		76.695
		6945		76.794
		7025		76.715
	ax160	6025		155.557
		6185		155.433

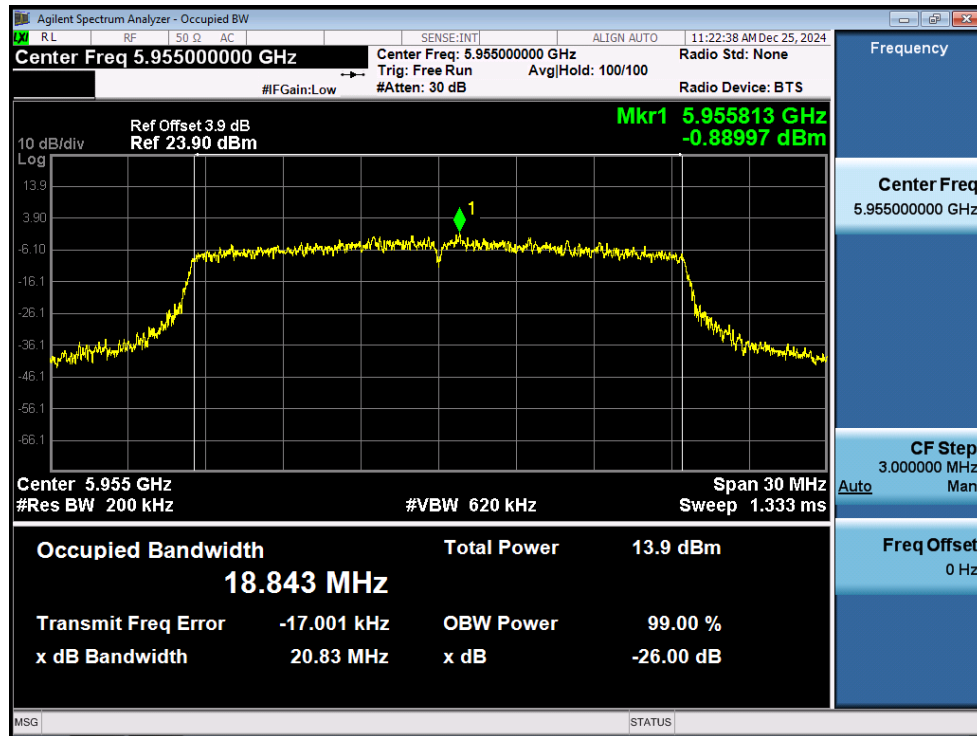
		6345		155.343
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		6665		155.255
		6825		154.908
		6985		155.385



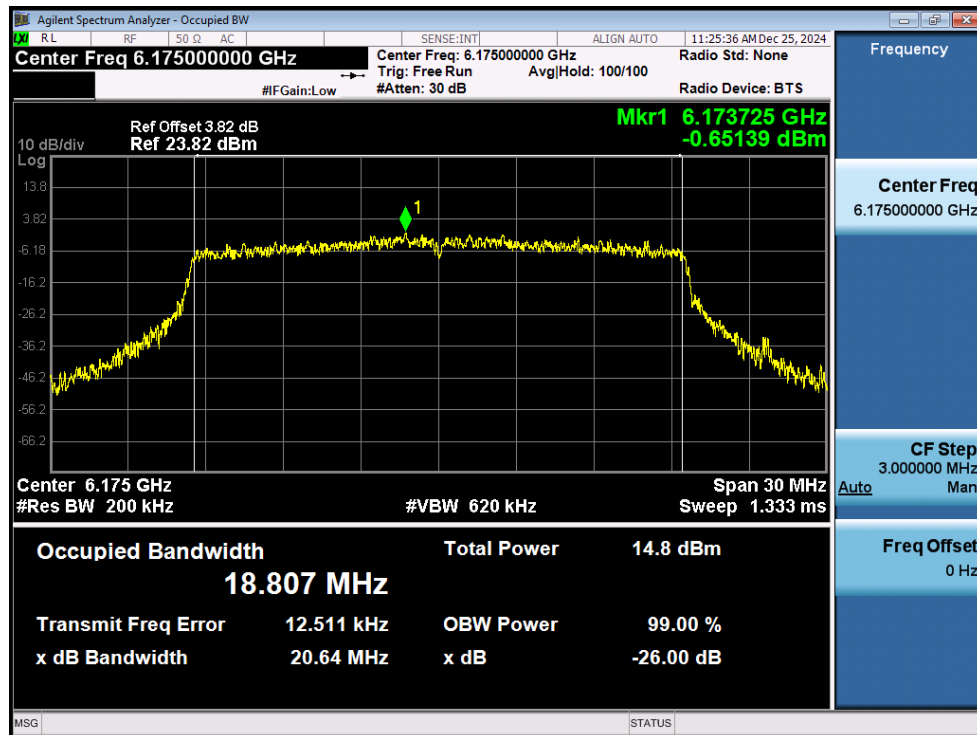


Test Graphs

OBW NVNT ax20 5955MHz Ant1

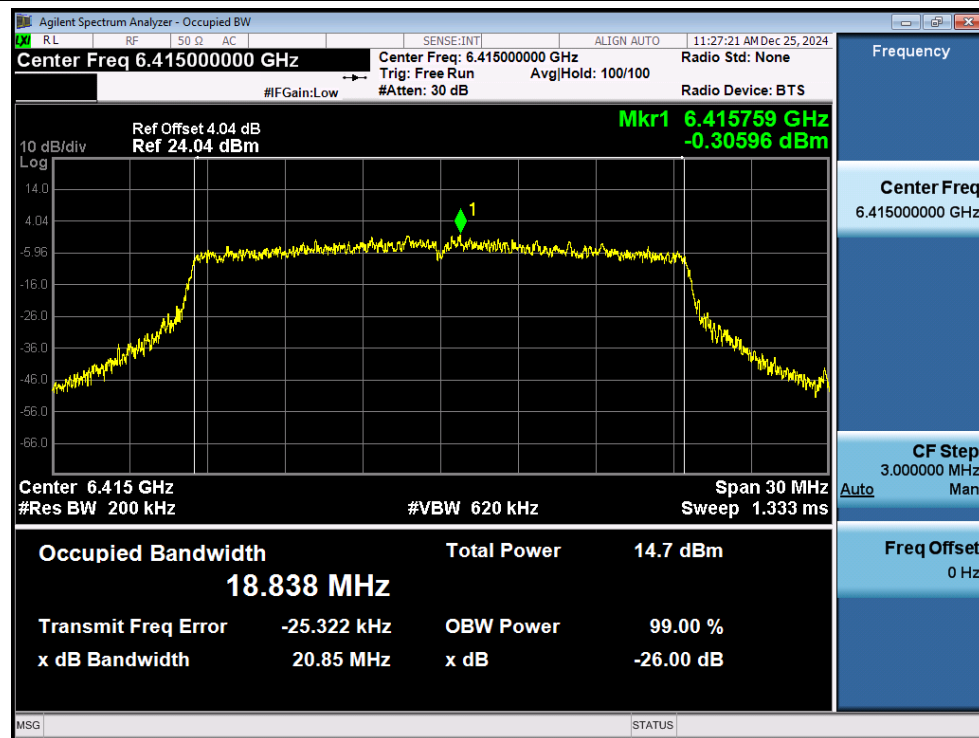


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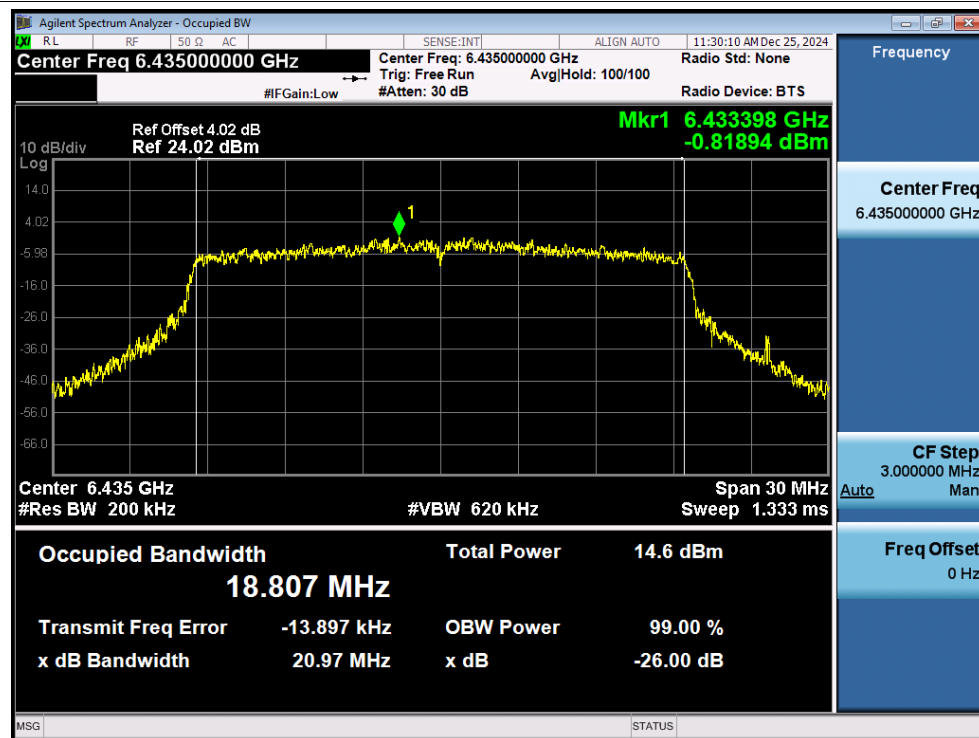




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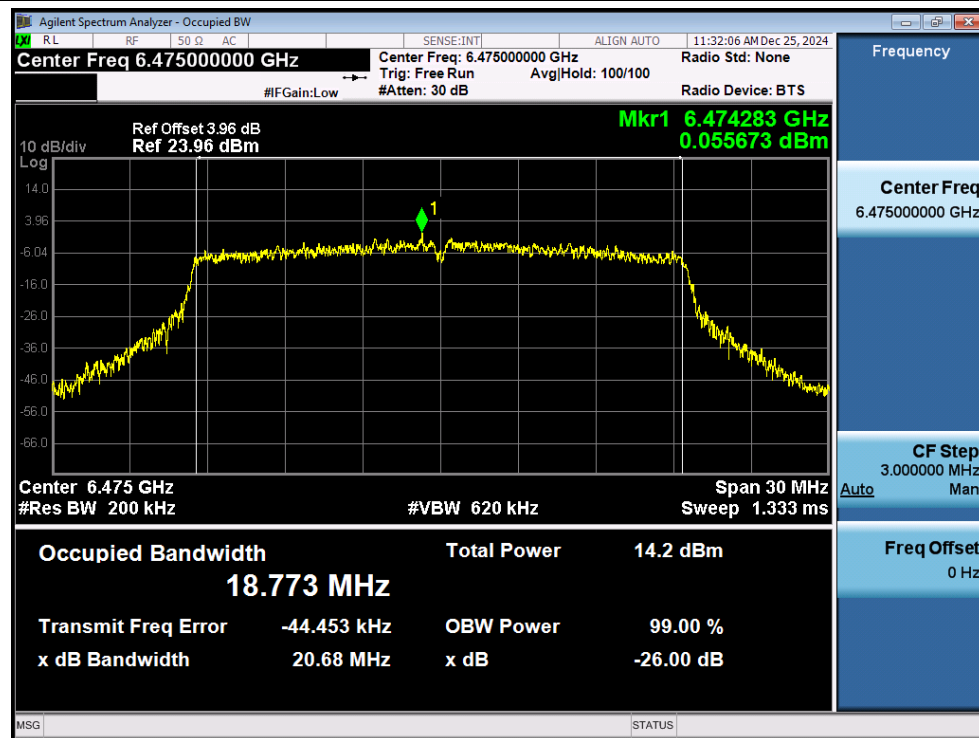


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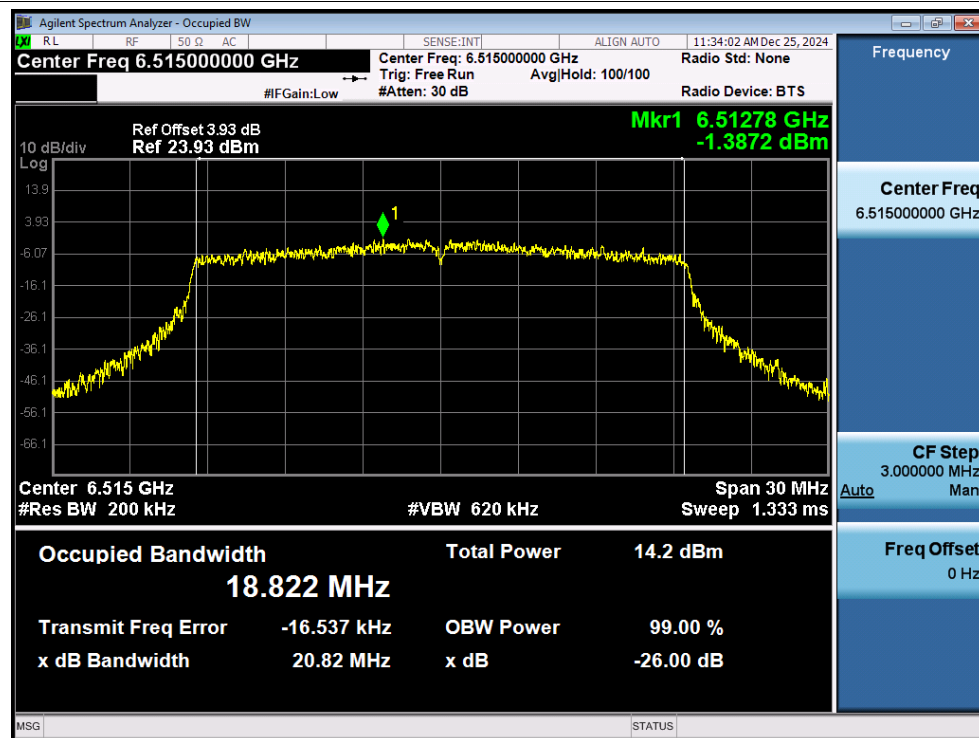




OBW NVNT ax20 6475MHz Ant1

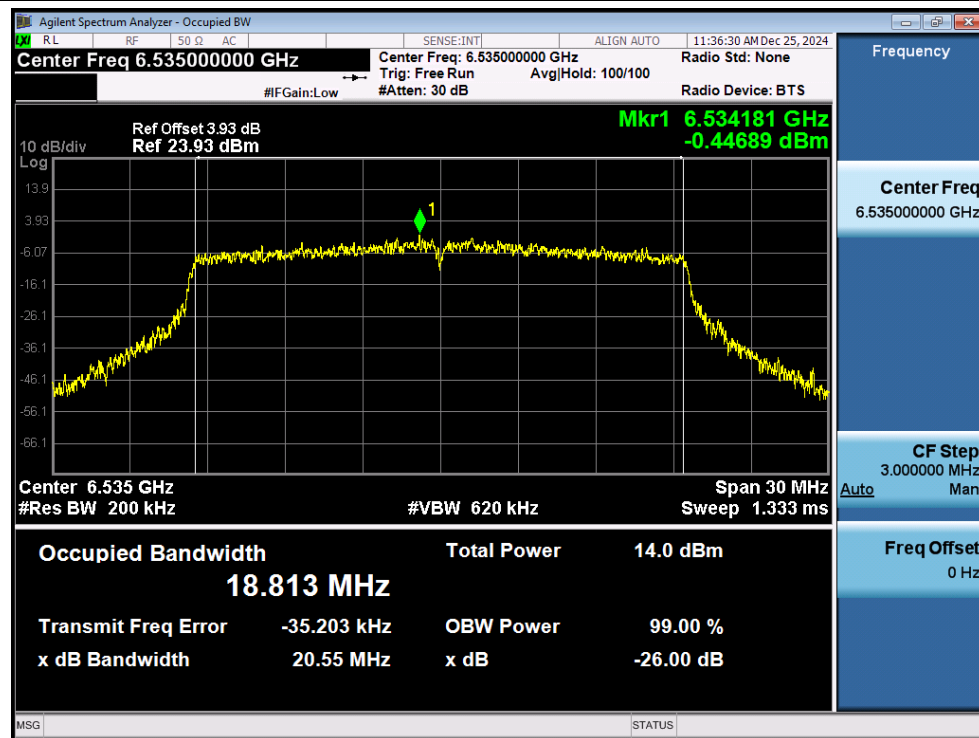


OBW NVNT ax20 6515MHz Ant1

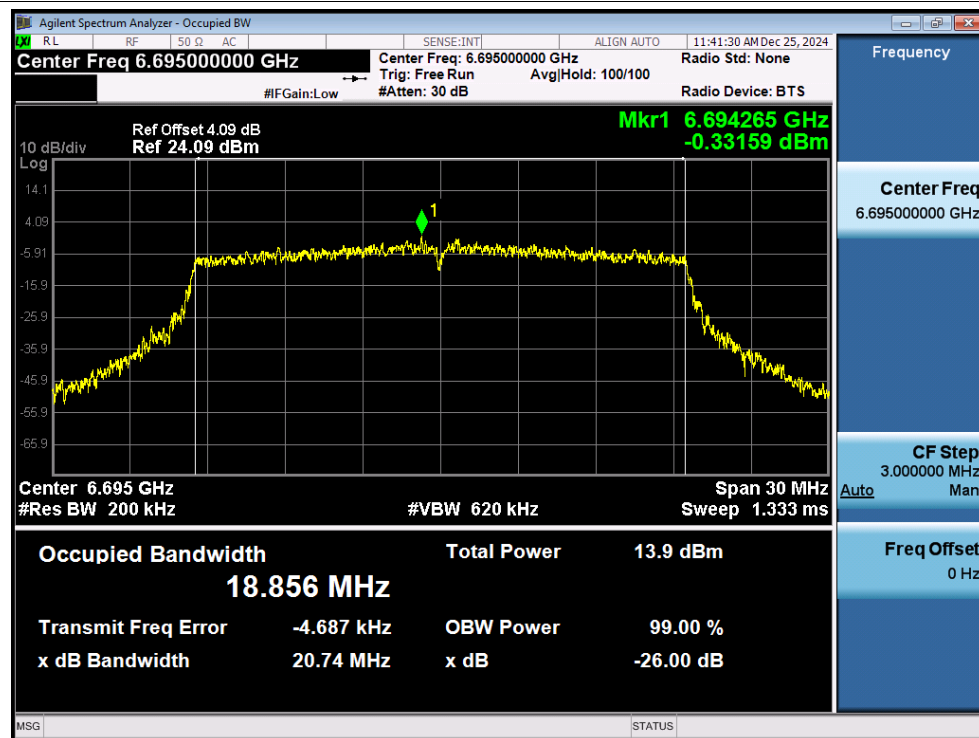




OBW NVNT ax20 6535MHz Ant1

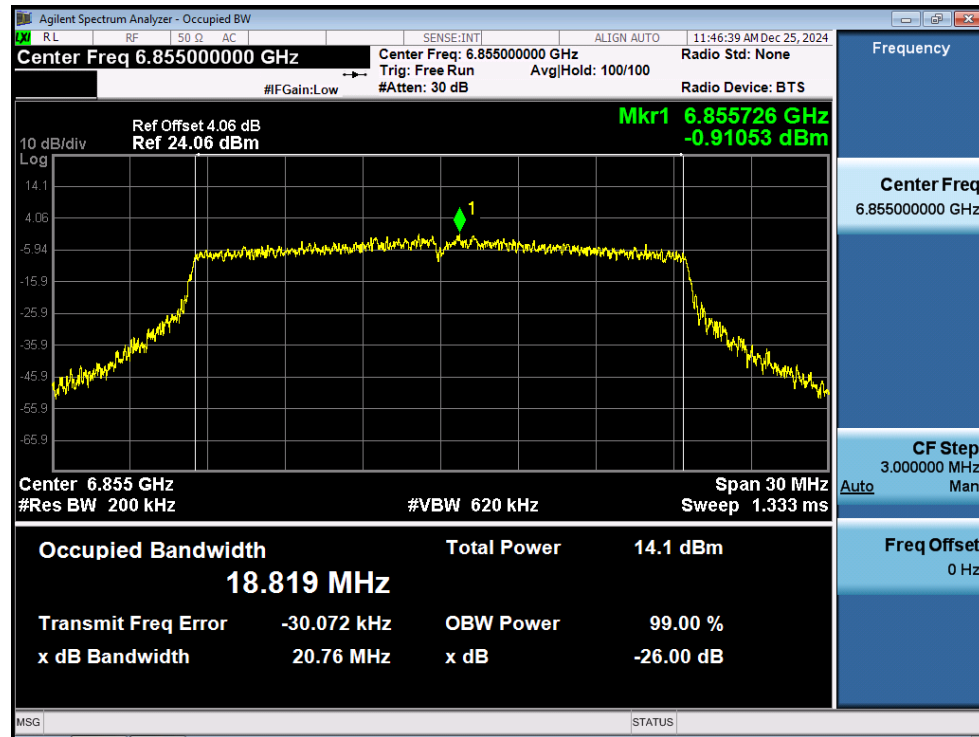


OBW NVNT ax20 6695MHz Ant1

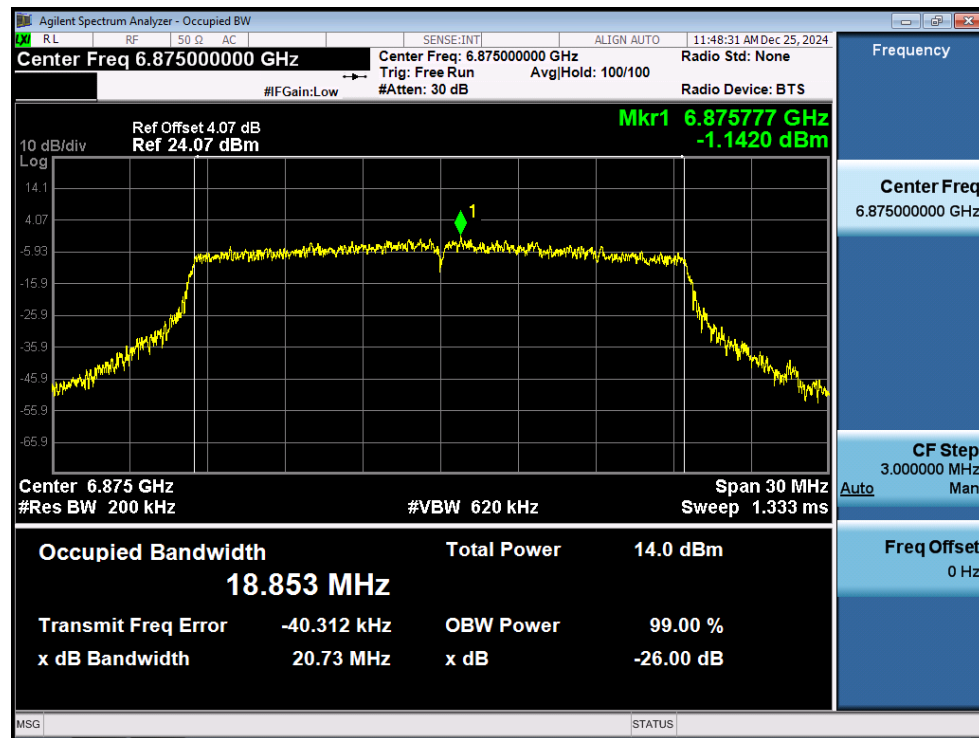




OBW NVNT ax20 6855MHz Ant1

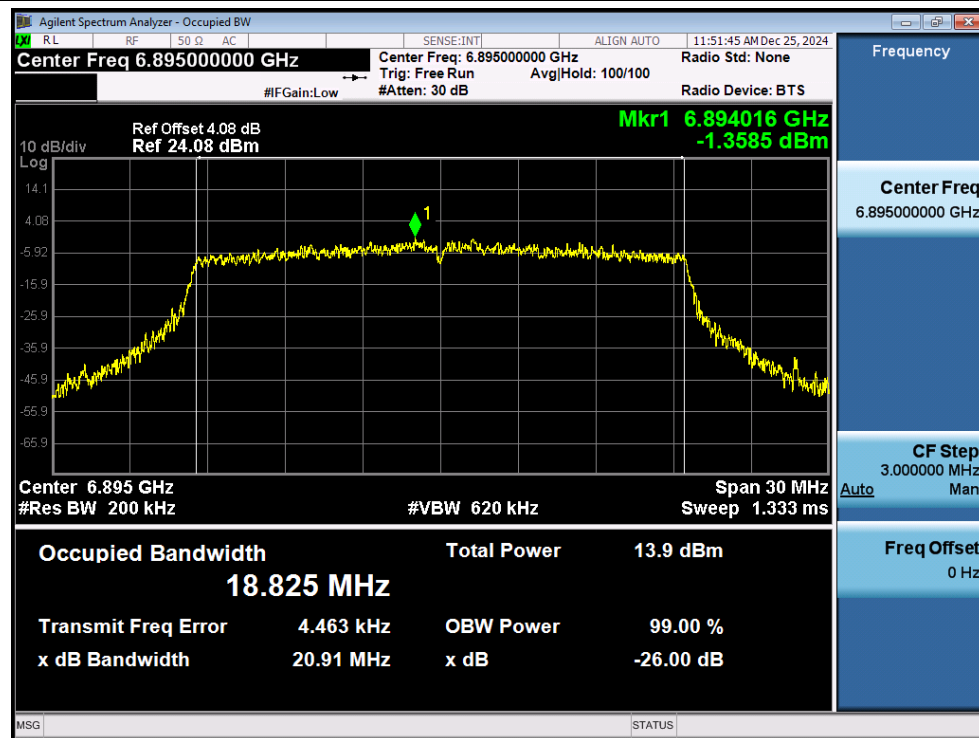


OBW NVNT ax20 6875MHz Ant1

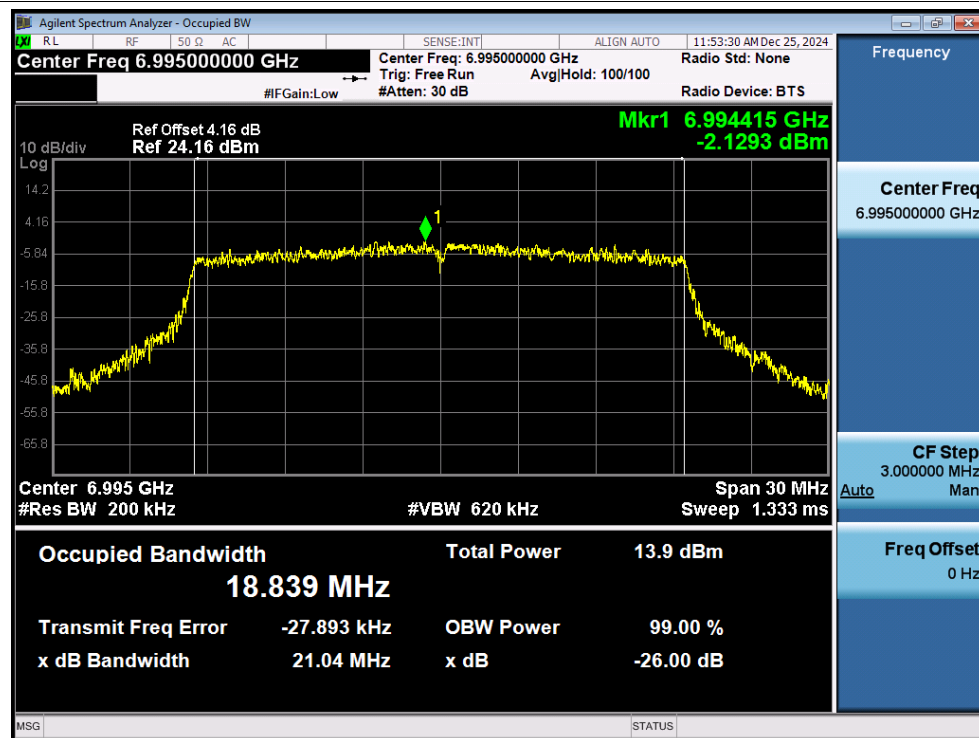




OBW NVNT ax20 6895MHz Ant1

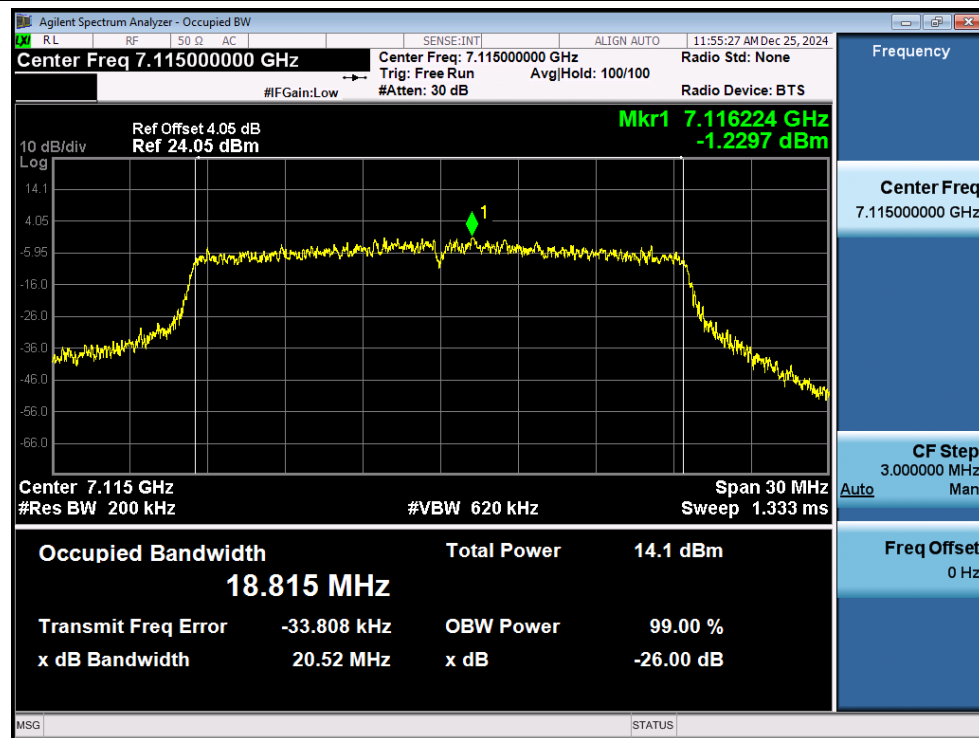


OBW NVNT ax20 6995MHz Ant1

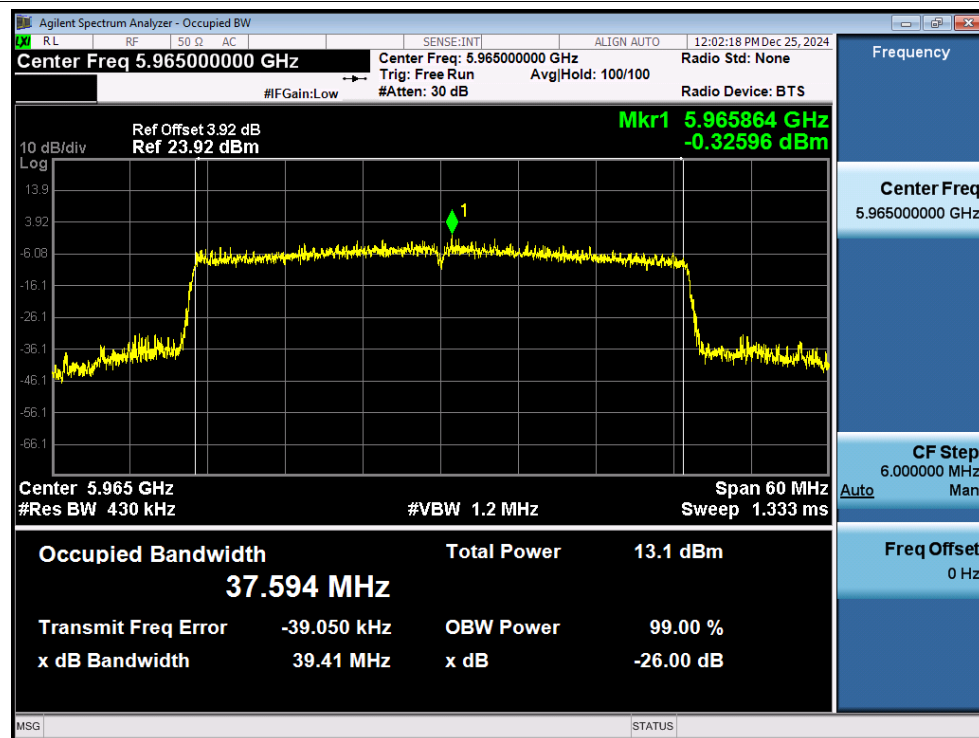




OBW NVNT ax20 7115MHz Ant1

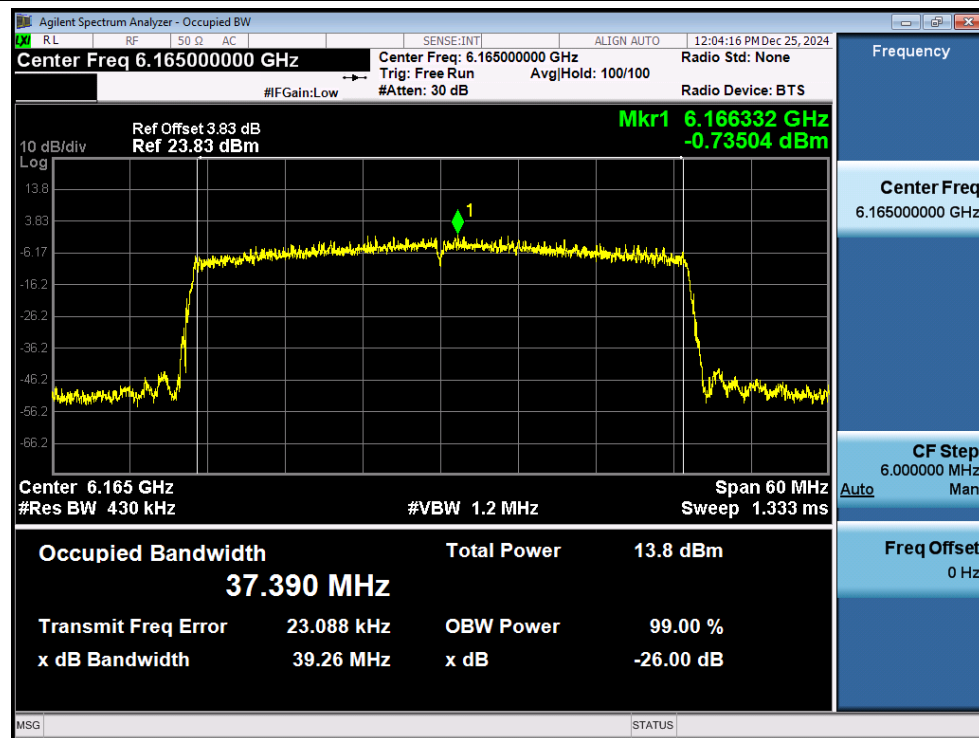


OBW NVNT ax40 5965MHz Ant1





OBW NVNT ax40 6165MHz Ant1



OBW NVNT ax40 6405MHz Ant1

