Appendix: 5G Wi-Fi Band 1& Band 4

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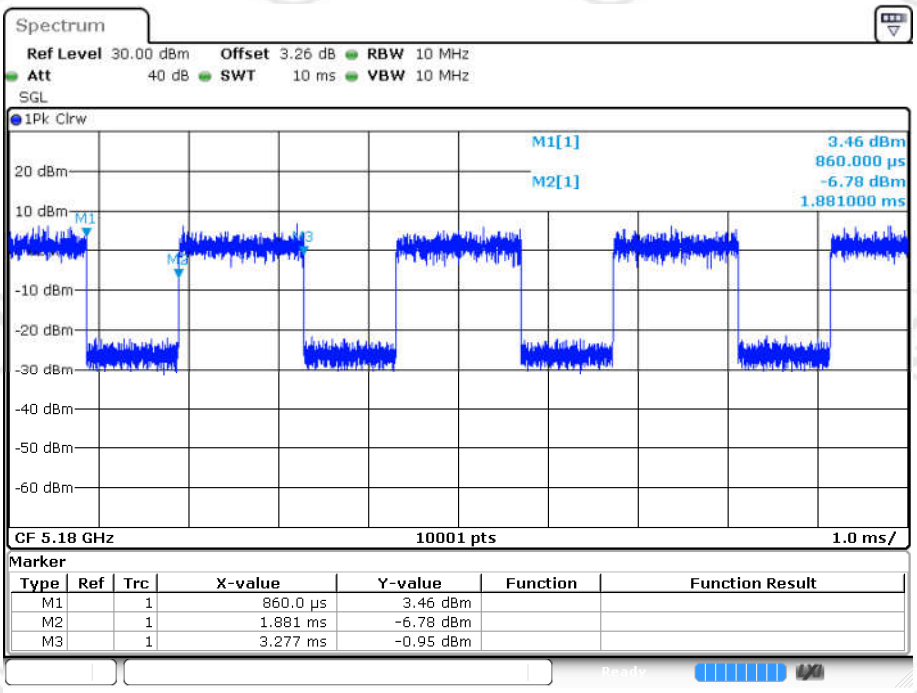
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	57.76	2.38	0.72
NVNT	a	5200	Ant1	57.76	2.38	0.72
NVNT	a	5240	Ant1	57.85	2.38	0.72
NVNT	a	5745	Ant1	57.76	2.38	0.72
NVNT	a	5785	Ant1	57.76	2.38	0.72
NVNT	a	5825	Ant1	57.76	2.38	0.72
NVNT	n20	5180	Ant1	83.3	0.79	0.2
NVNT	n20	5200	Ant1	83.3	0.79	0.2
NVNT	n20	5240	Ant1	83.33	0.79	0.2
NVNT	n20	5745	Ant1	83.27	0.8	0.2
NVNT	n20	5785	Ant1	83.27	0.8	0.2
NVNT	n20	5825	Ant1	83.31	0.79	0.2
NVNT	n40	5190	Ant1	70.75	1.5	0.41
NVNT	n40	5230	Ant1	70.85	1.5	0.41
NVNT	n40	5755	Ant1	70.75	1.5	0.41
NVNT	n40	5795	Ant1	70.8	1.5	0.41
NVNT	ac20	5180	Ant1	83.39	0.79	0.2
NVNT	ac20	5200	Ant1	83.33	0.79	0.2
NVNT	ac20	5240	Ant1	83.29	0.79	0.2
NVNT	ac20	5745	Ant1	83.29	0.79	0.2
NVNT	ac20	5785	Ant1	83.29	0.79	0.2
NVNT	ac20	5825	Ant1	83.29	0.79	0.2
NVNT	ac40	5190	Ant1	70.82	1.5	0.4
NVNT	ac40	5230	Ant1	70.82	1.5	0.4
NVNT	ac40	5755	Ant1	70.84	1.5	0.4
NVNT	ac40	5795	Ant1	70.82	1.5	0.4
NVNT	ax20	5180	Ant1	79.2	1.01	0.26
NVNT	ax20	5200	Ant1	79.21	1.01	0.26
NVNT	ax20	5240	Ant1	79.21	1.01	0.26
NVNT	ax20	5745	Ant1	79.17	1.01	0.26
NVNT	ax20	5785	Ant1	79.17	1.01	0.26
NVNT	ax20	5825	Ant1	79.12	1.02	0.26
NVNT	ax40	5190	Ant1	65.91	1.81	0.51
NVNT	ax40	5230	Ant1	66	1.8	0.51
NVNT	ax40	5755	Ant1	65.89	1.81	0.51
NVNT	ax40	5795	Ant1	65.83	1.82	0.51

Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

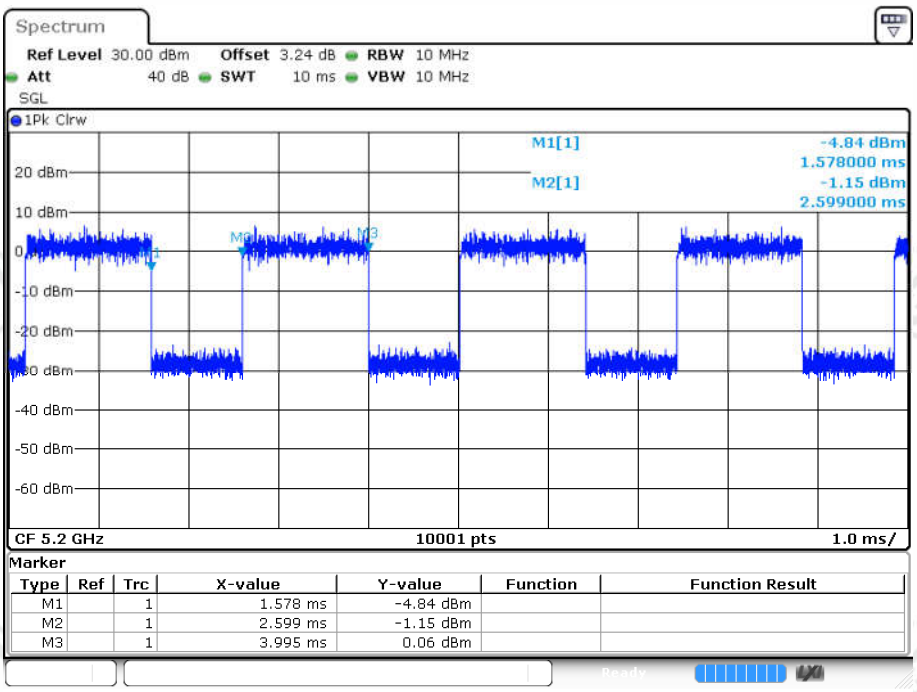


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	860.0 µs	3.46 dBm		
M2		1	1.881 ms	-6.78 dBm		
M3		1	3.277 ms	-0.95 dBm		

Date: 8.DEC.2024 13:14:02

Duty Cycle NVNT a 5200MHz Ant1

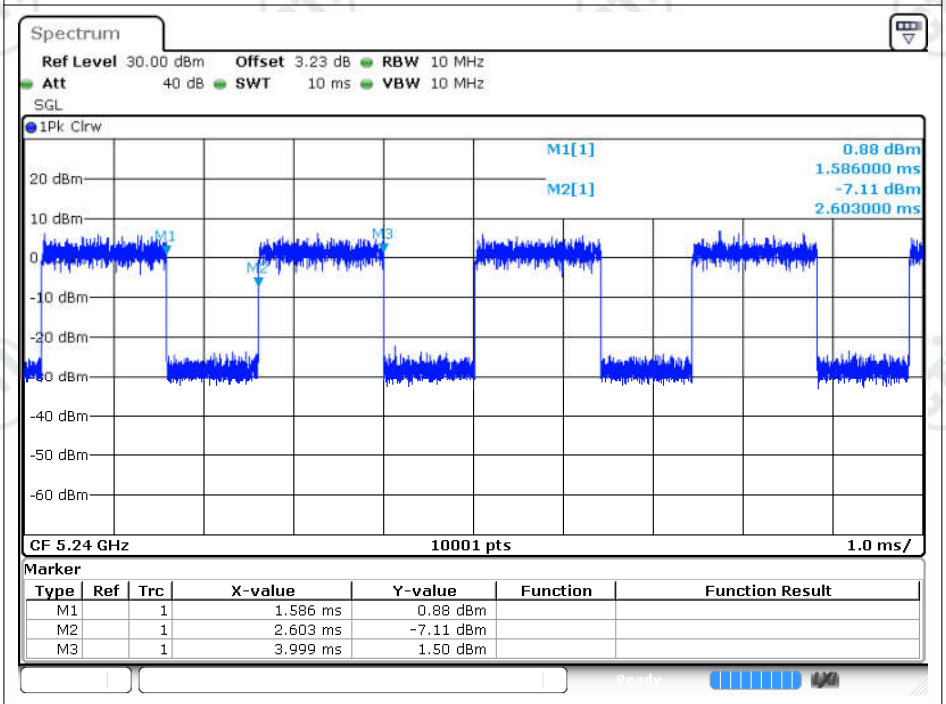


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.578 ms	-4.84 dBm		
M2		1	2.599 ms	-1.15 dBm		
M3		1	3.995 ms	0.06 dBm		

Date: 8.DEC.2024 13:16:15

Duty Cycle NVNT a 5240MHz Ant1



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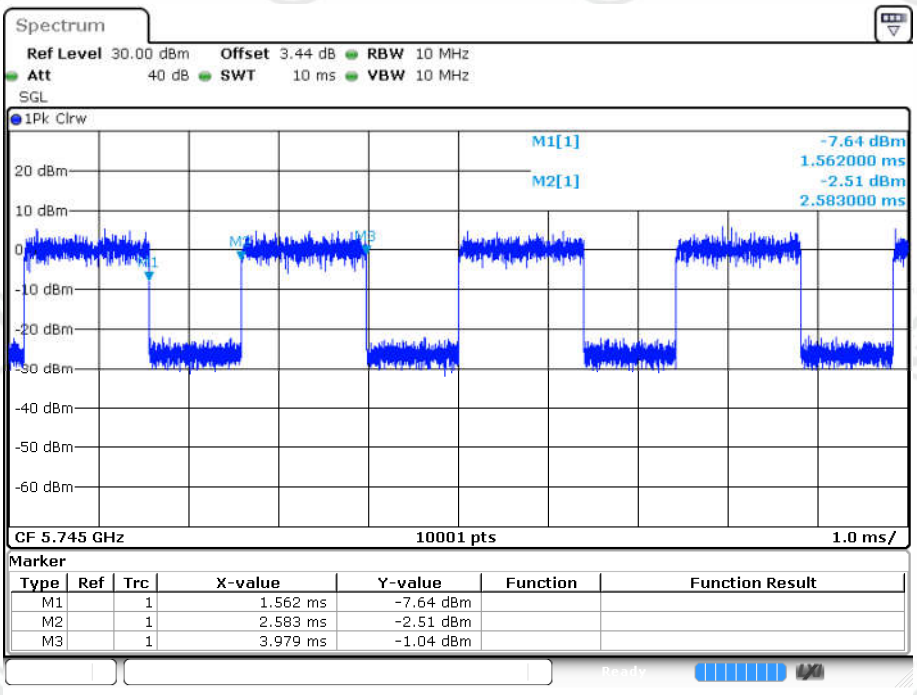
Duty Cycle NVNT a 5745MHz Ant1



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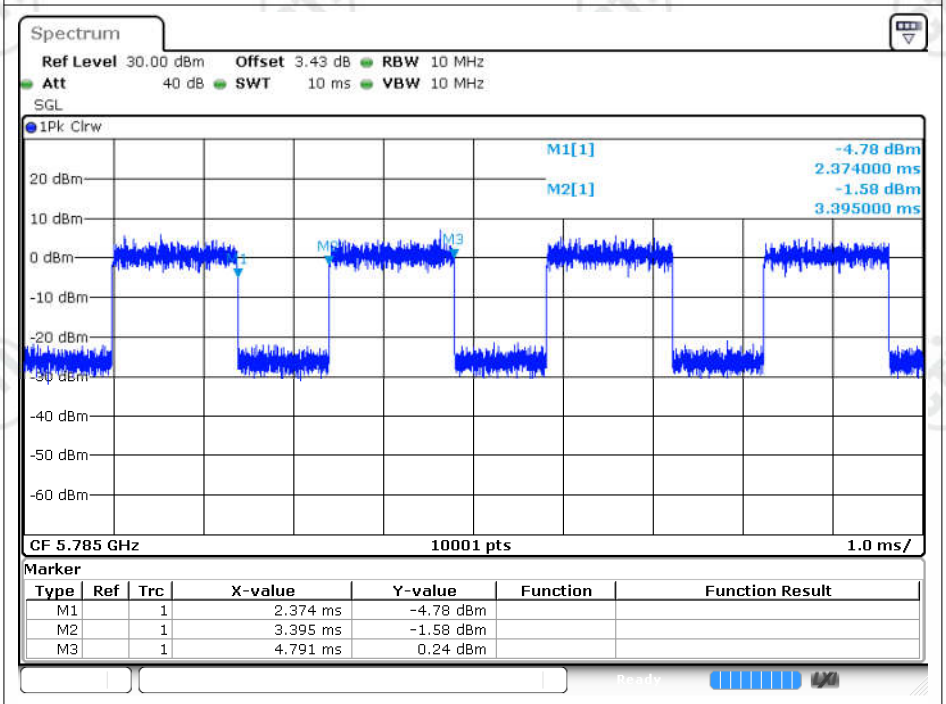
Duty Cycle NVNT a 5785MHz Ant1



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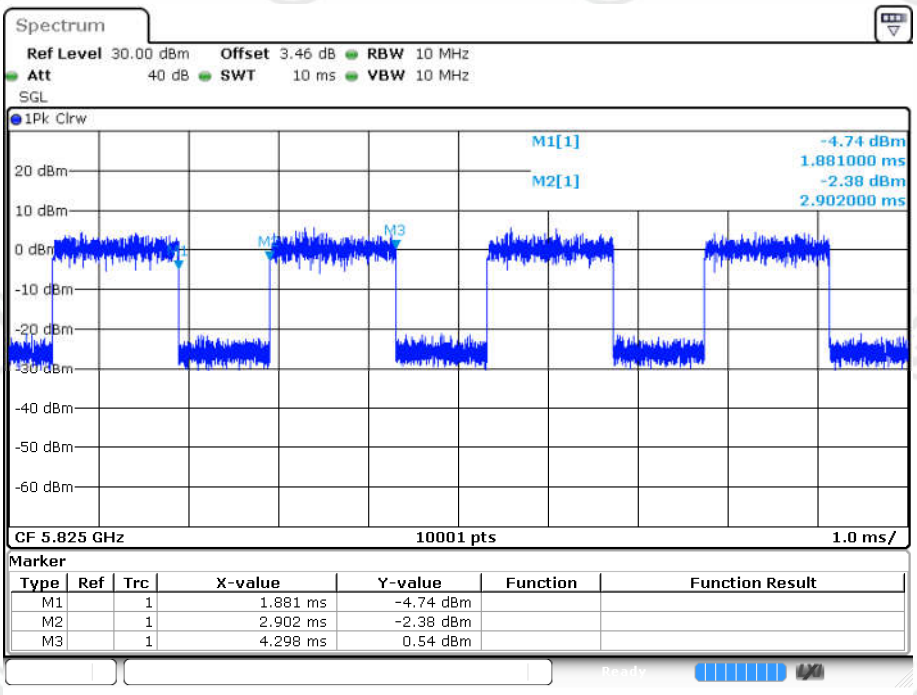
Duty Cycle NVNT a 5825MHz Ant1



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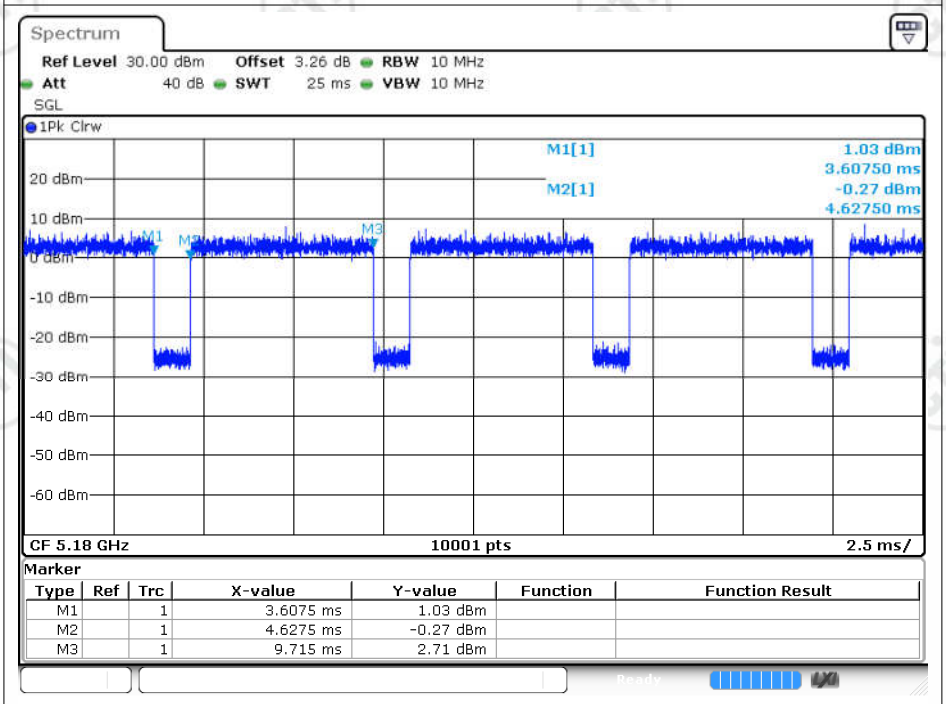
Duty Cycle NVNT n20 5180MHz Ant1



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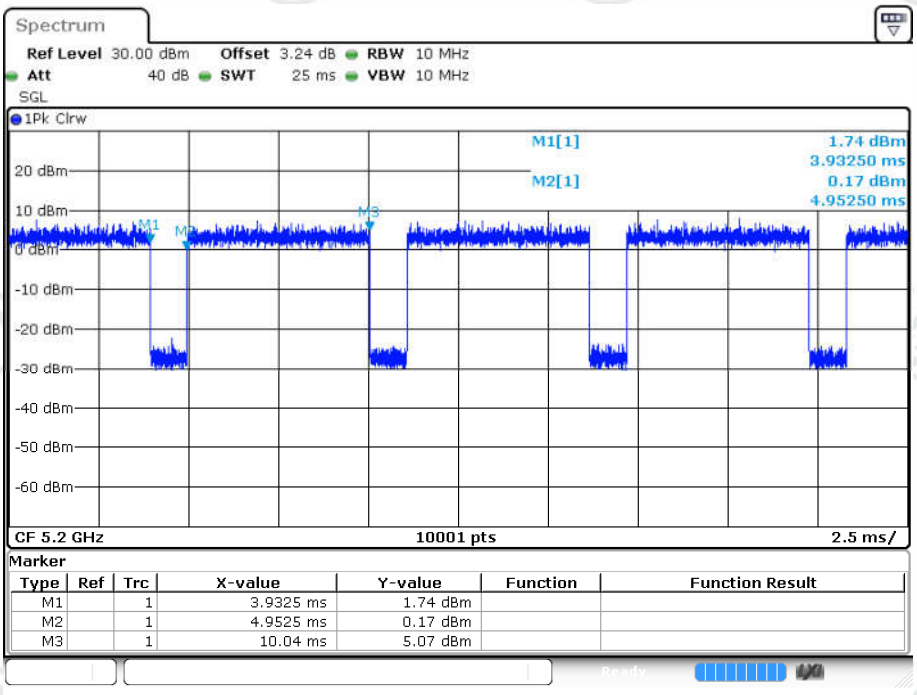
Duty Cycle NVNT n20 5200MHz Ant1



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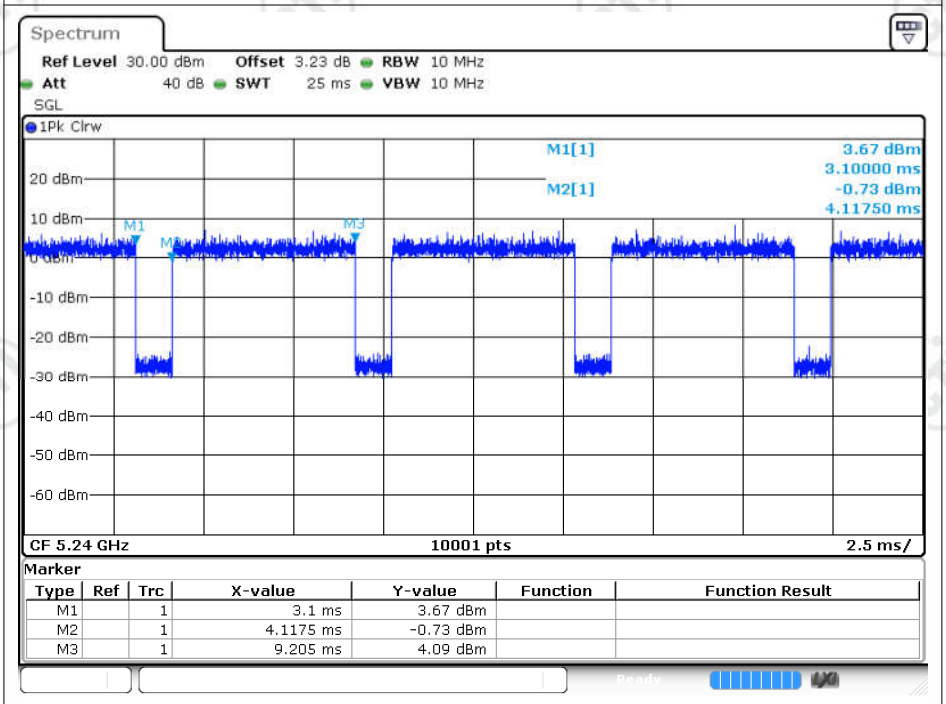
Duty Cycle NVNT n20 5240MHz Ant1



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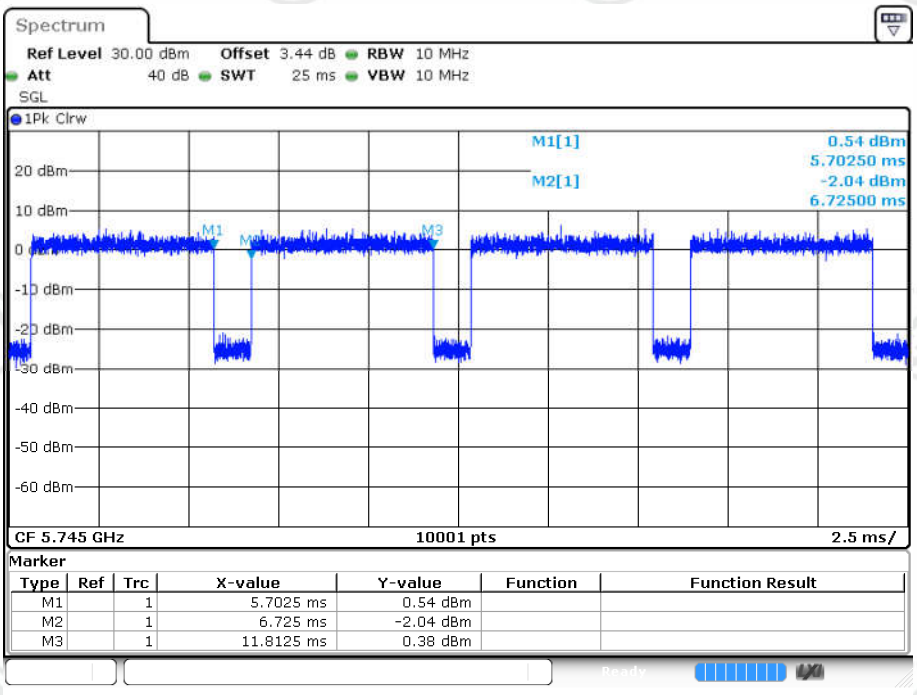
Duty Cycle NVNT n20 5745MHz Ant1



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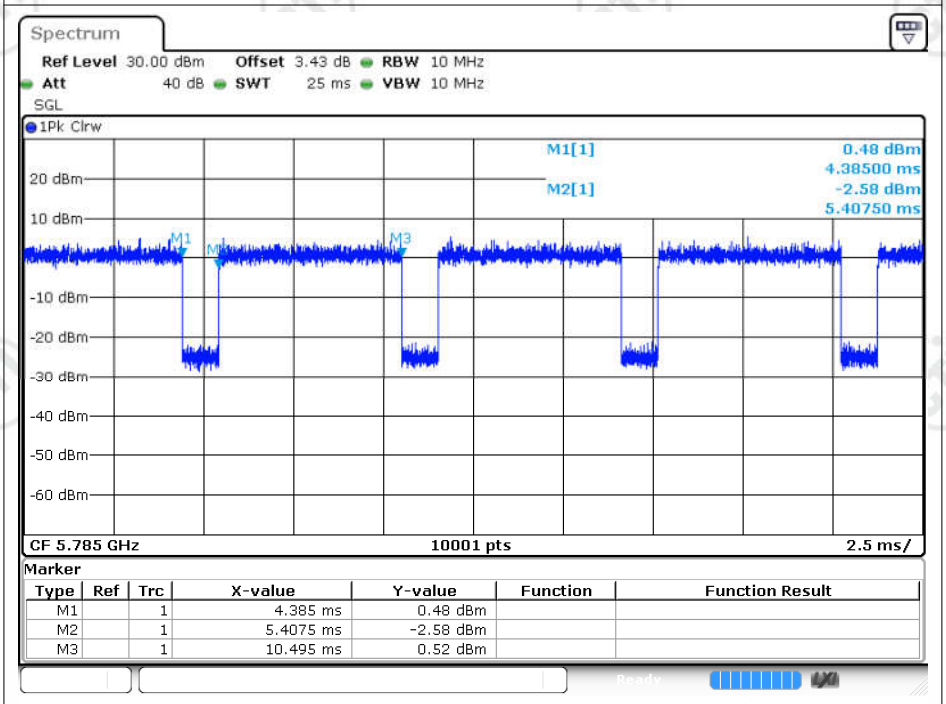
Duty Cycle NVNT n20 5785MHz Ant1



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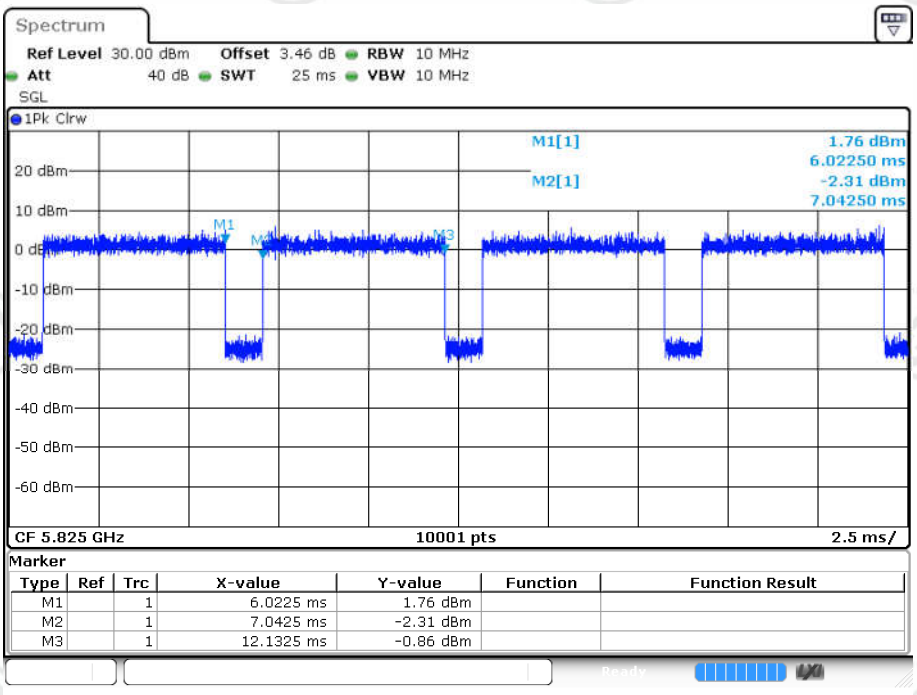
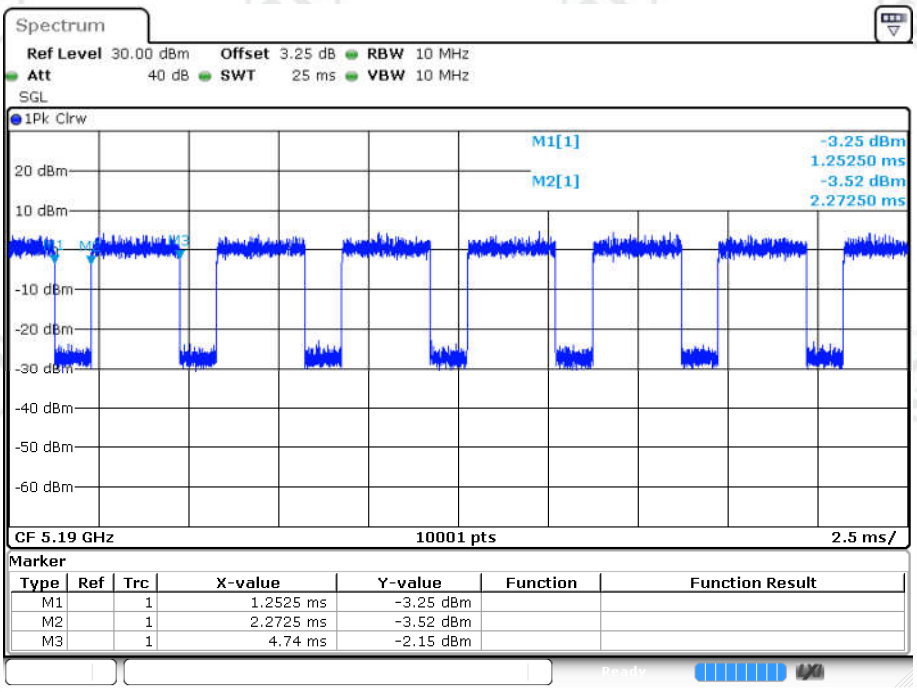
Duty Cycle NVNT n20 5825MHz Ant1



Date: 8.DEC.2024 13:40:26

Duty Cycle NVNT n40 5190MHz Ant1



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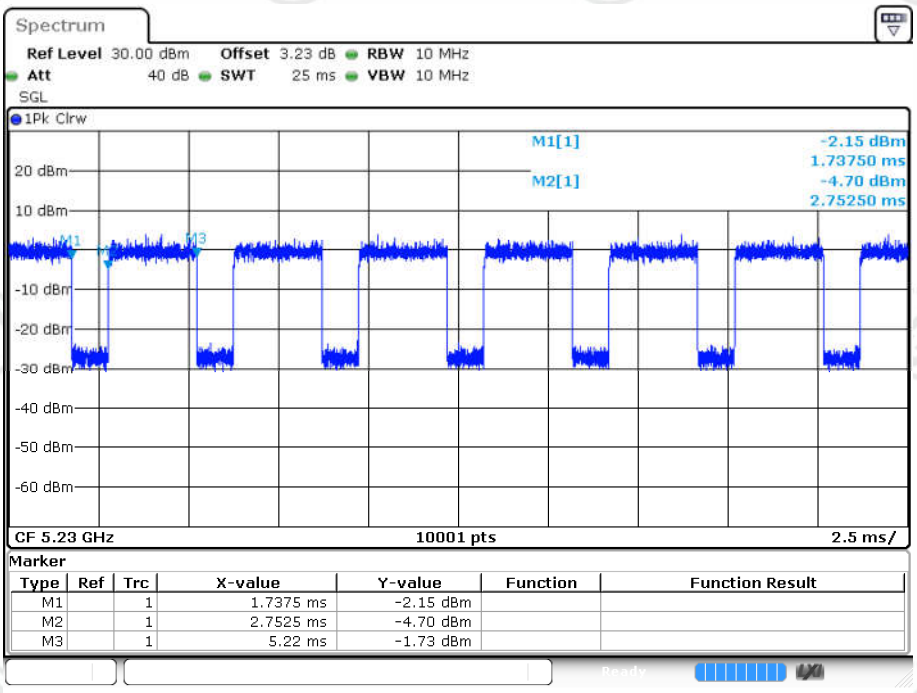
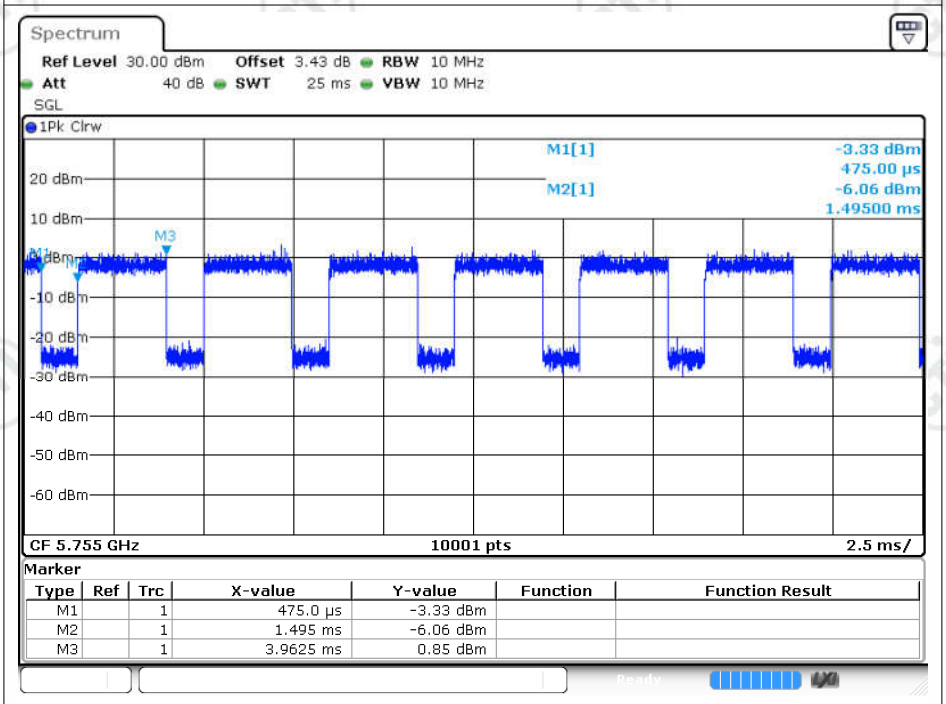
Duty Cycle NVNT n40 5230MHz Ant1



Date: 8.DEC.2024 13:45:01

Duty Cycle NVNT n40 5755MHz Ant1



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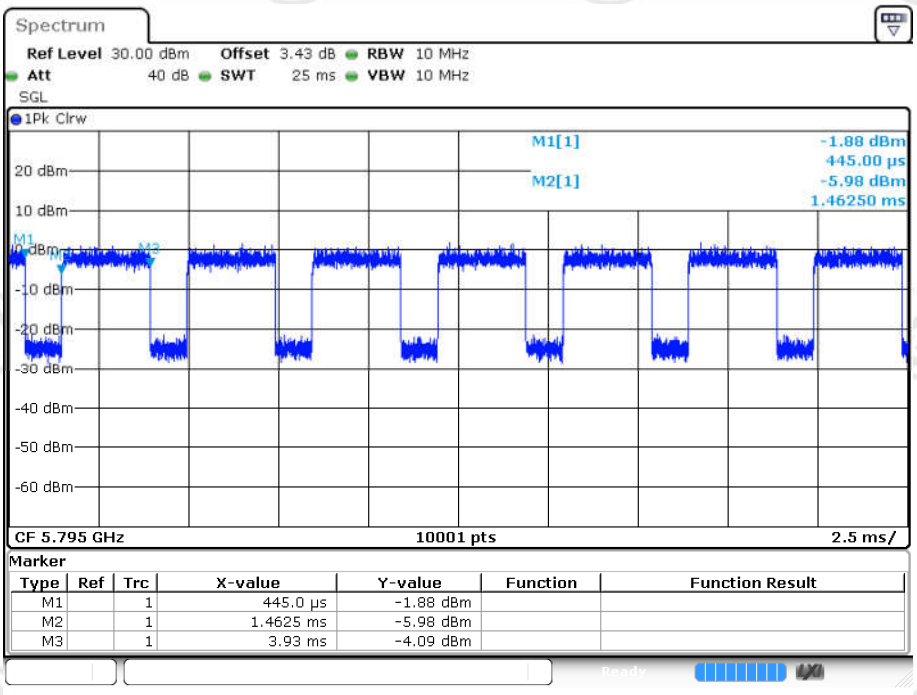
Duty Cycle NVNT n40 5795MHz Ant1



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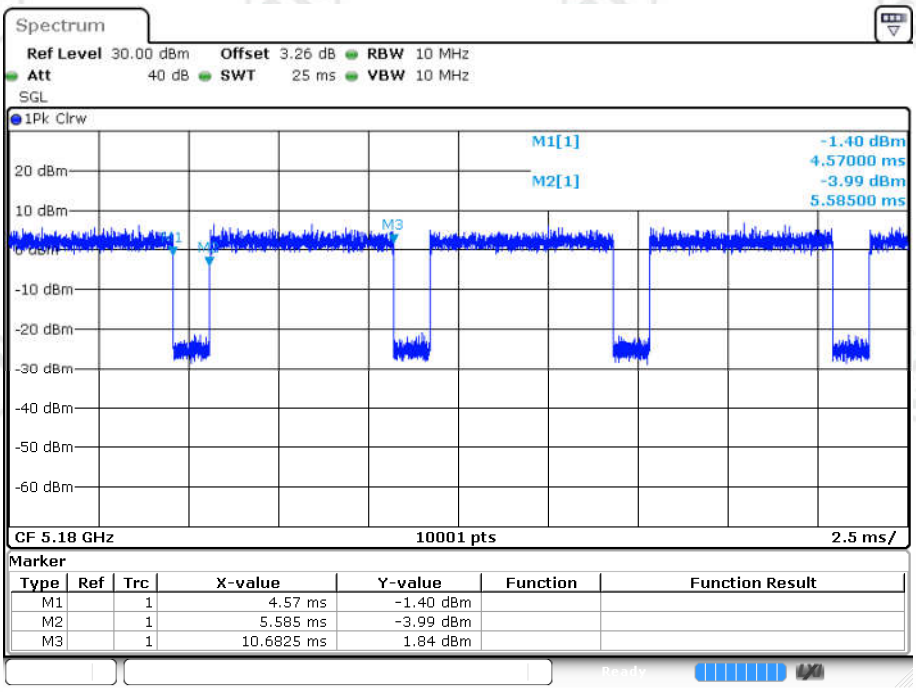
Duty Cycle NVNT ac20 5180MHz Ant1



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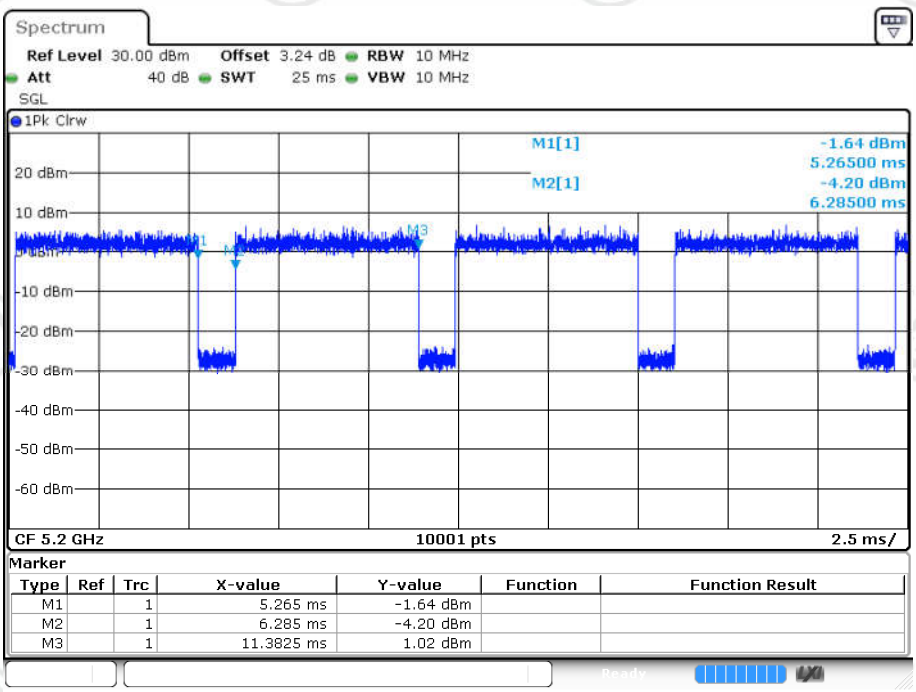
Duty Cycle NVNT ac20 5200MHz Ant1



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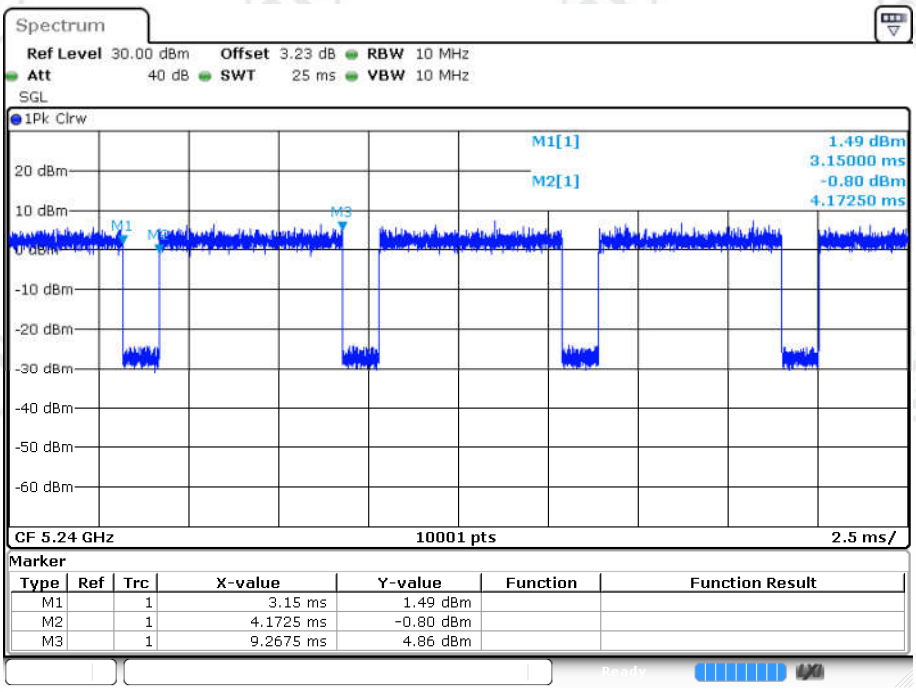
Duty Cycle NVNT ac20 5240MHz Ant1



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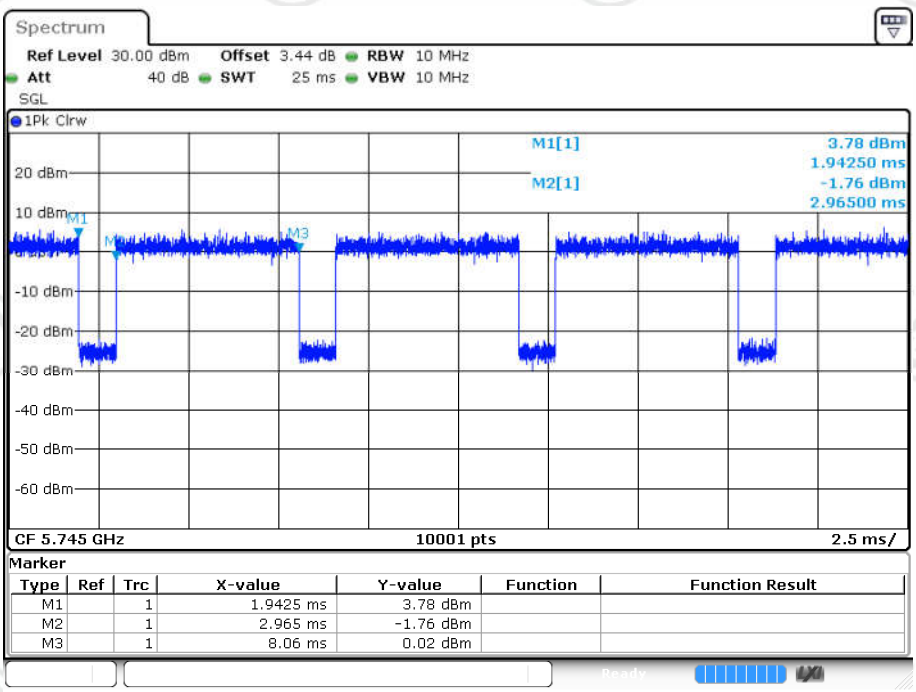
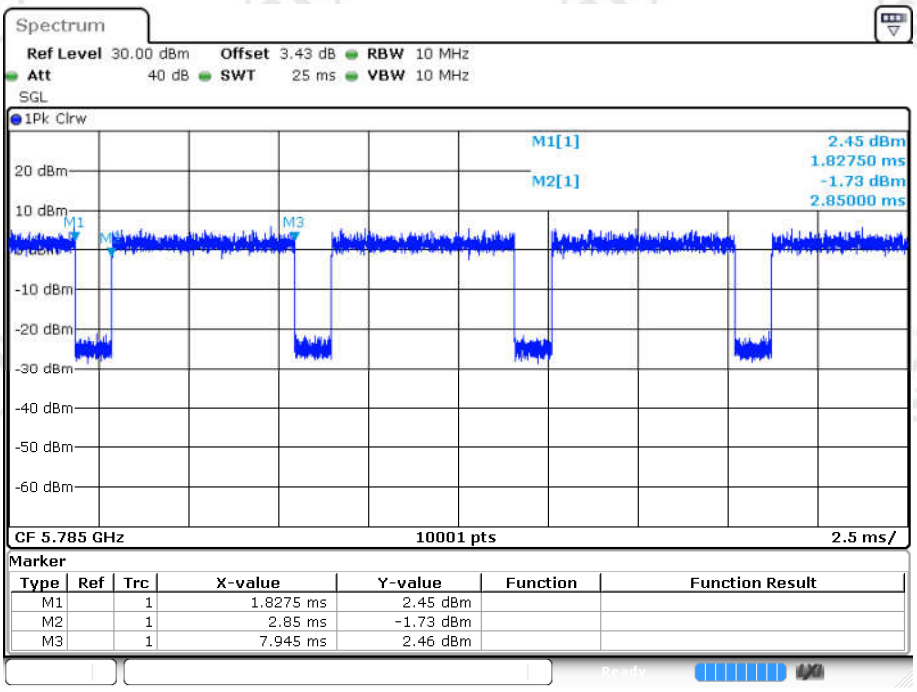
Duty Cycle NVNT ac20 5745MHz Ant1



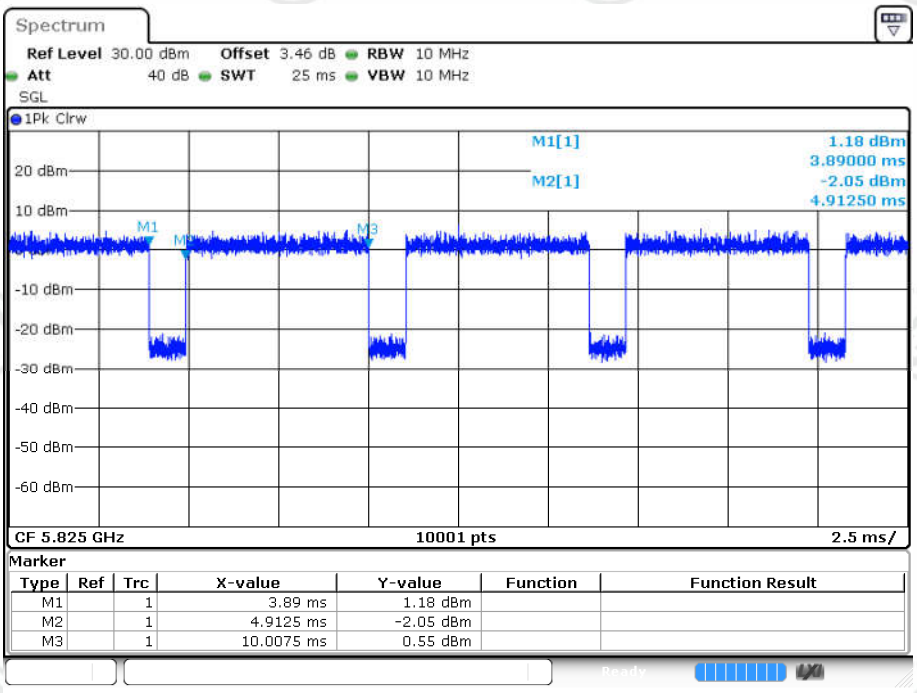
Date: 8.DEC.2024 13:59:08

Duty Cycle NVNT ac20 5785MHz Ant1



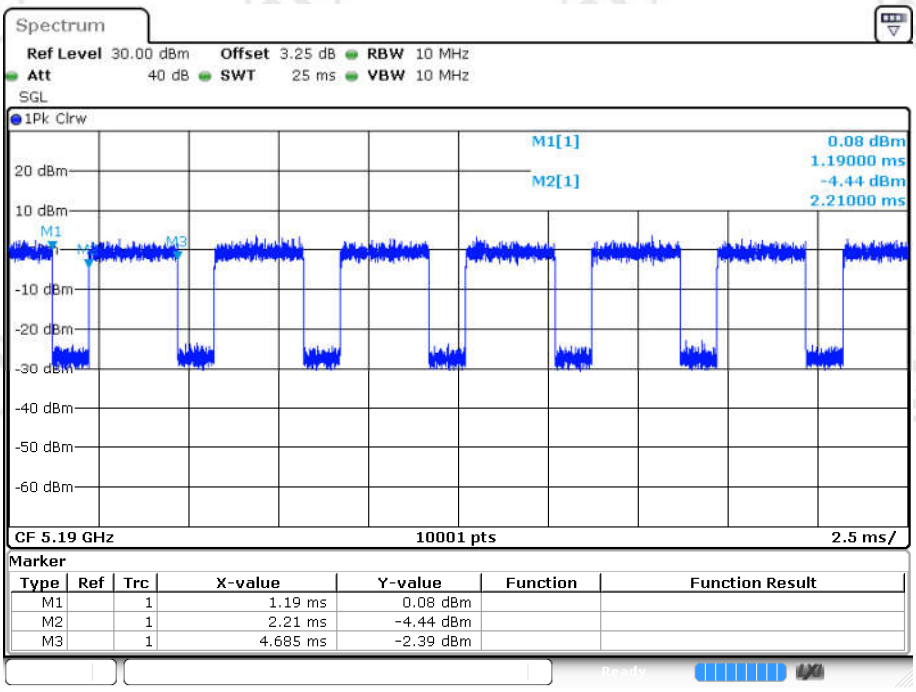
Date: 8.DEC.2024 14:01:30

Duty Cycle NVNT ac20 5825MHz Ant1



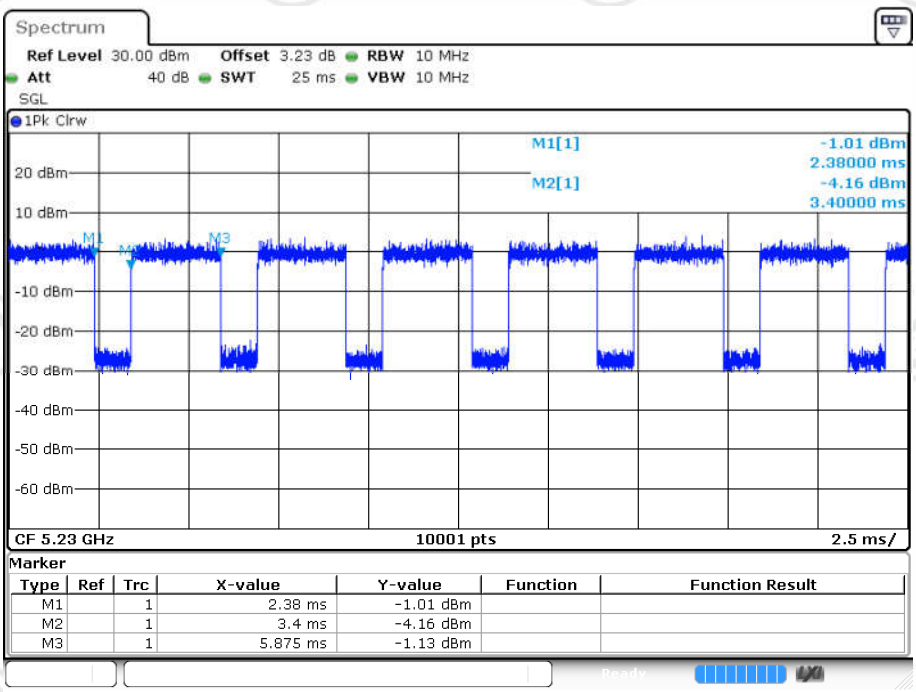
Date: 8.DEC.2024 14:03:28

Duty Cycle NVNT ac40 5190MHz Ant1



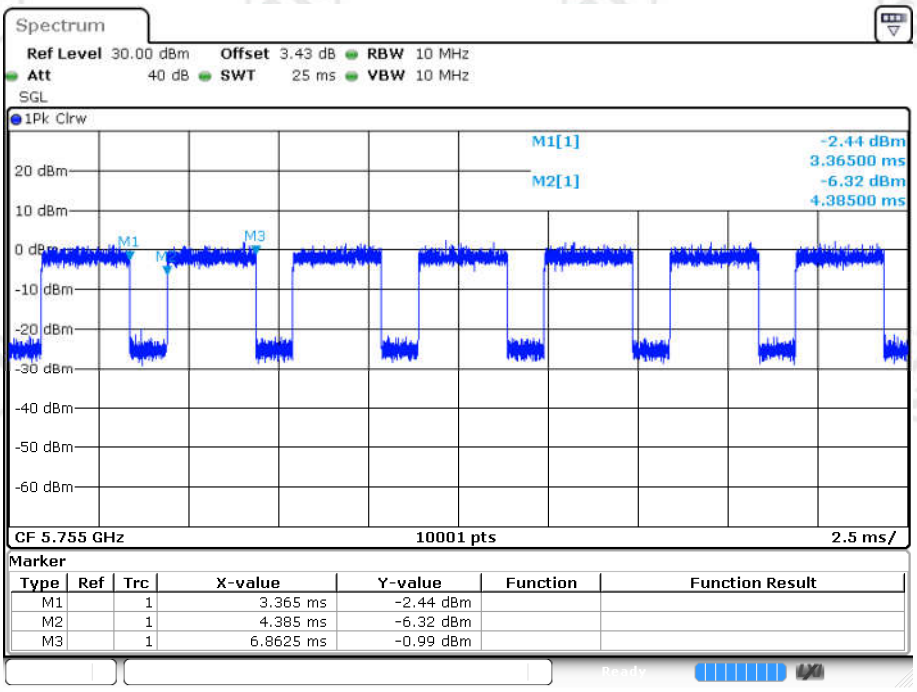
Date: 8.DEC.2024 14:05:26

Duty Cycle NVNT ac40 5230MHz Ant1



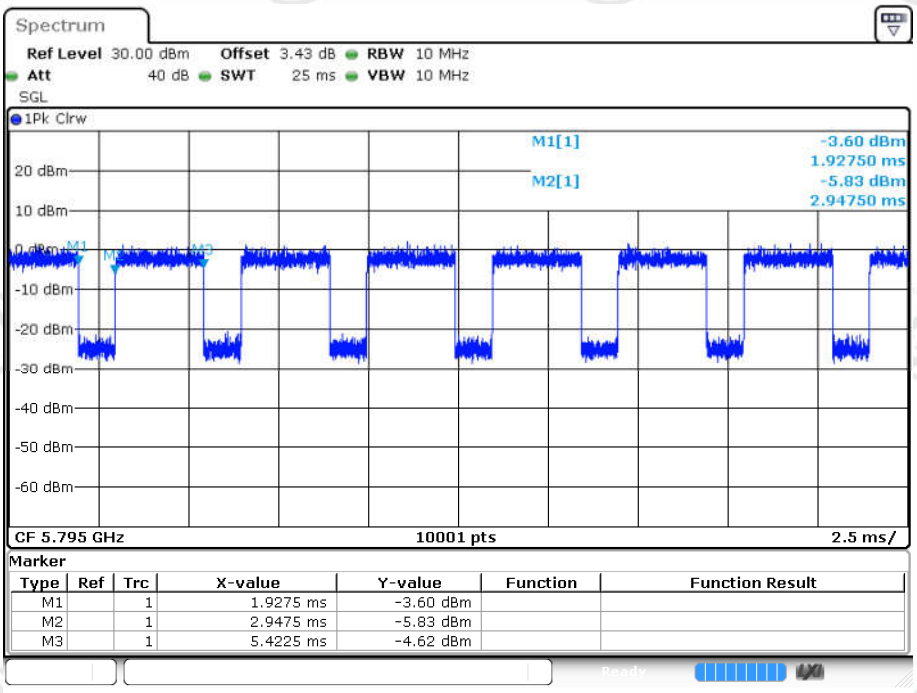
Date: 8.DEC.2024 14:07:57

Duty Cycle NVNT ac40 5755MHz Ant1



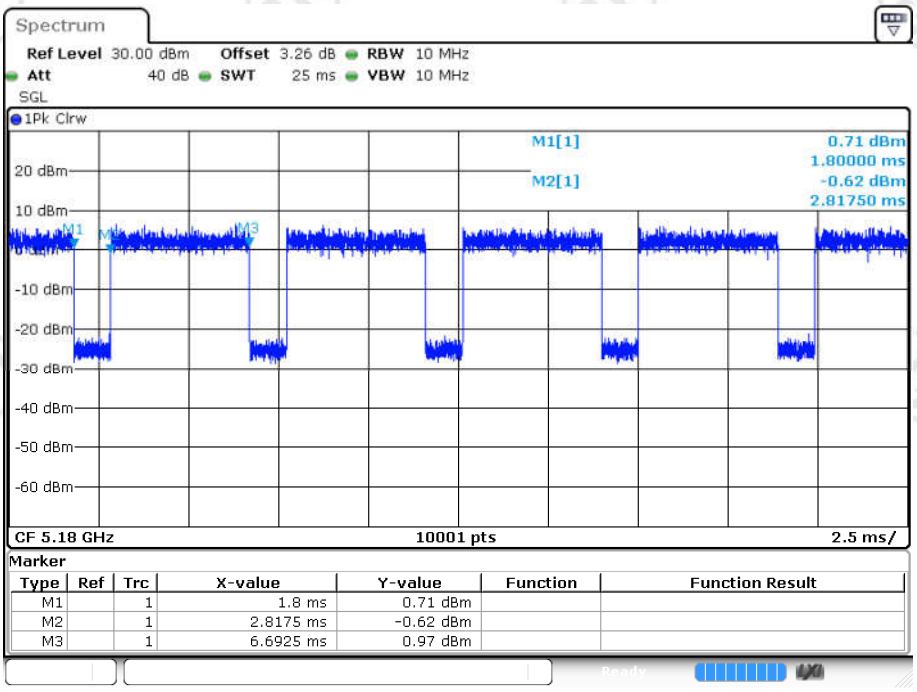
Date: 8.DEC.2024 14:09:58

Duty Cycle NVNT ac40 5795MHz Ant1



Date: 8.DEC.2024 14:11:58

Duty Cycle NVNT ax20 5180MHz Ant1



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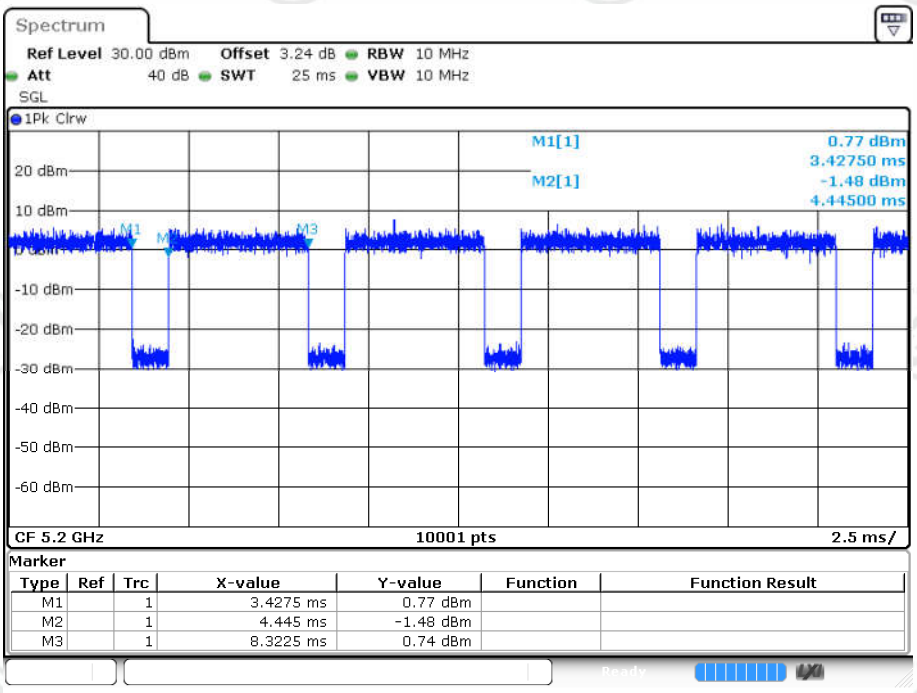
Duty Cycle NVNT ax20 5200MHz Ant1



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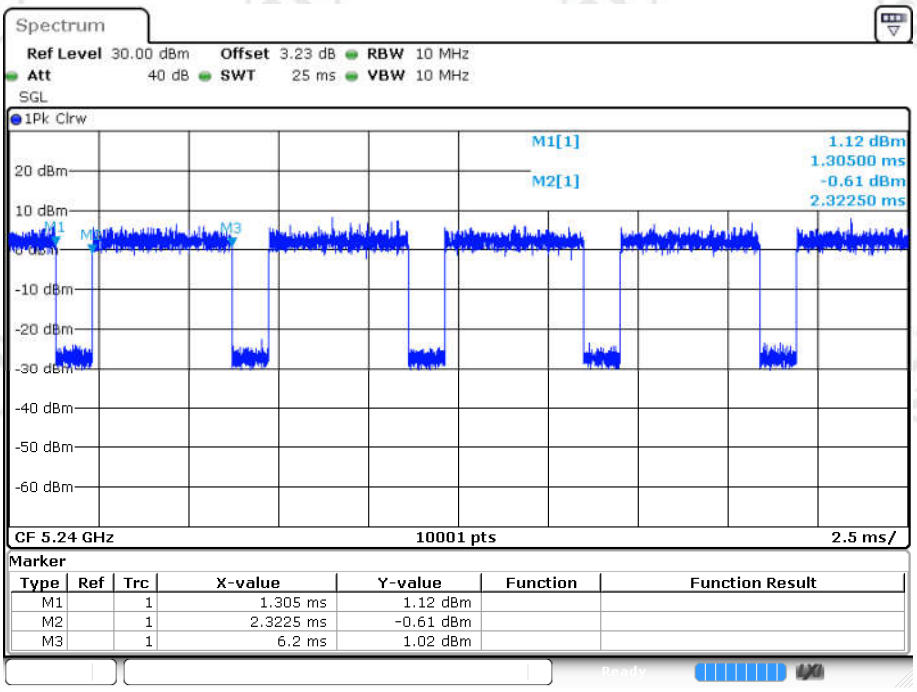
Duty Cycle NVNT ax20 5240MHz Ant1



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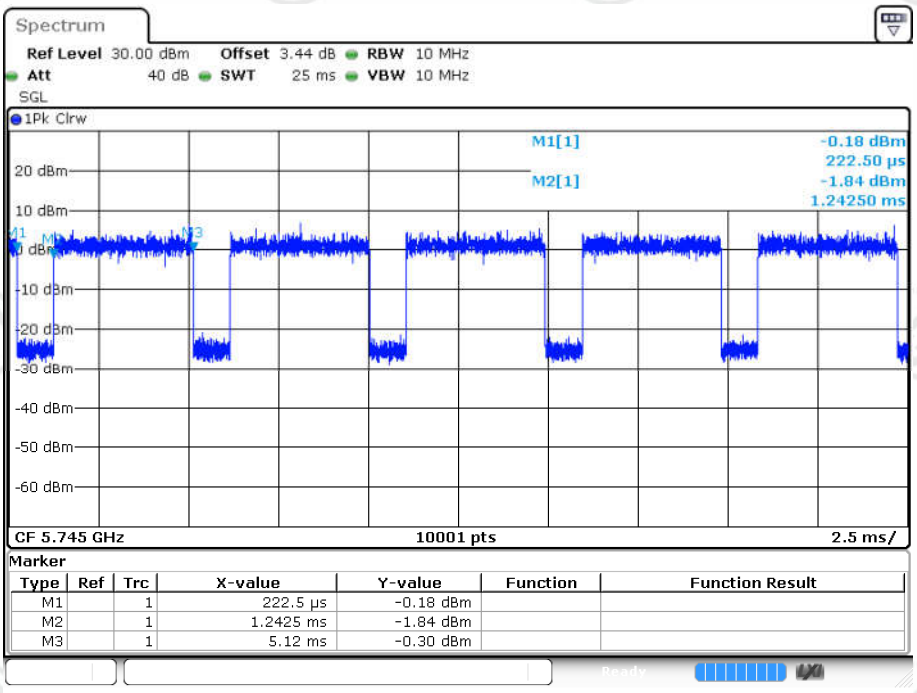
Duty Cycle NVNT ax20 5745MHz Ant1



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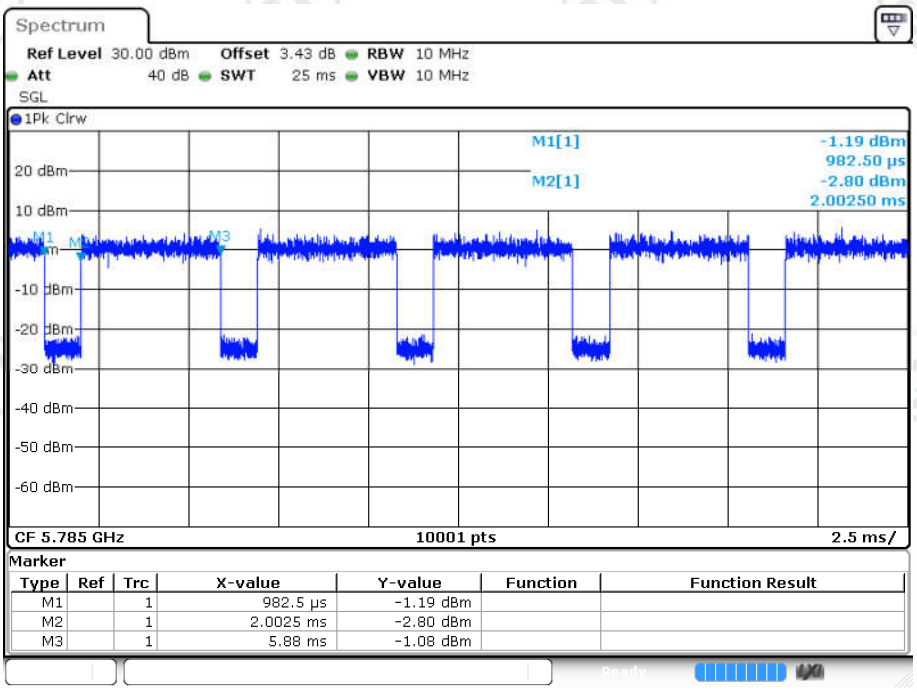
Duty Cycle NVNT ax20 5785MHz Ant1



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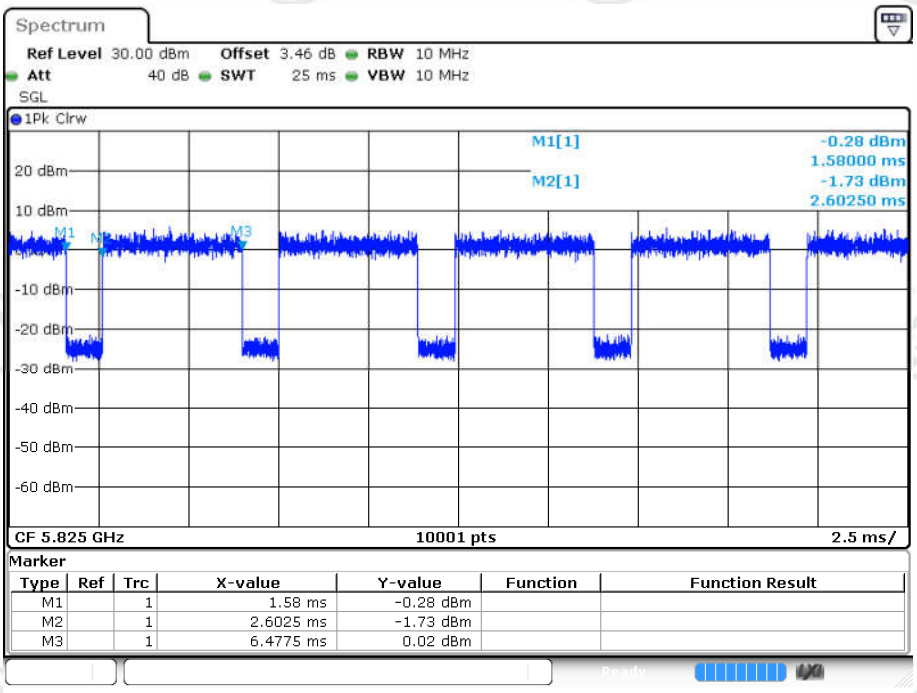
Duty Cycle NVNT ax20 5825MHz Ant1



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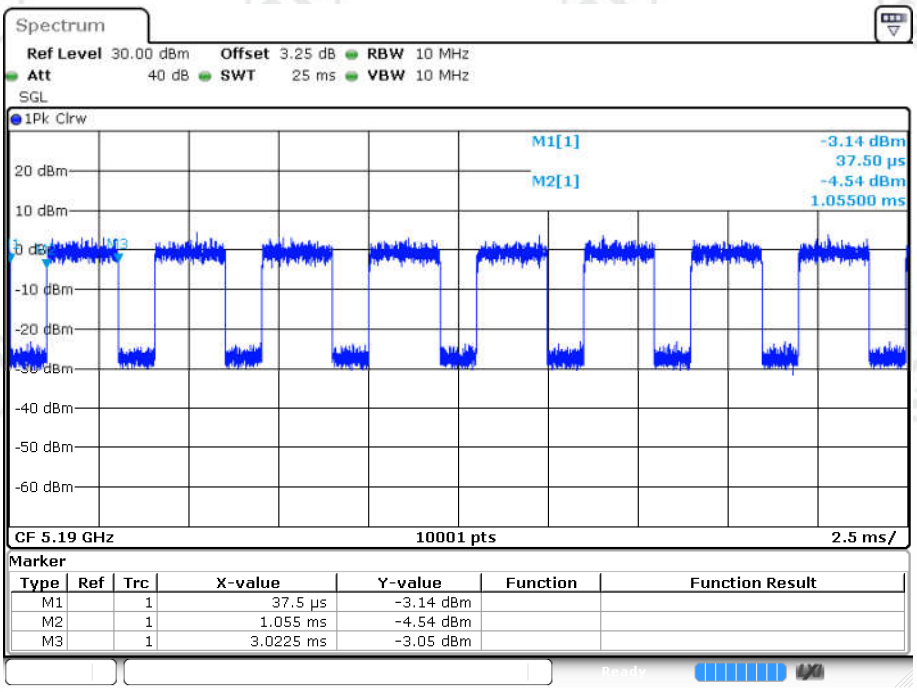
Duty Cycle NVNT ax40 5190MHz Ant1



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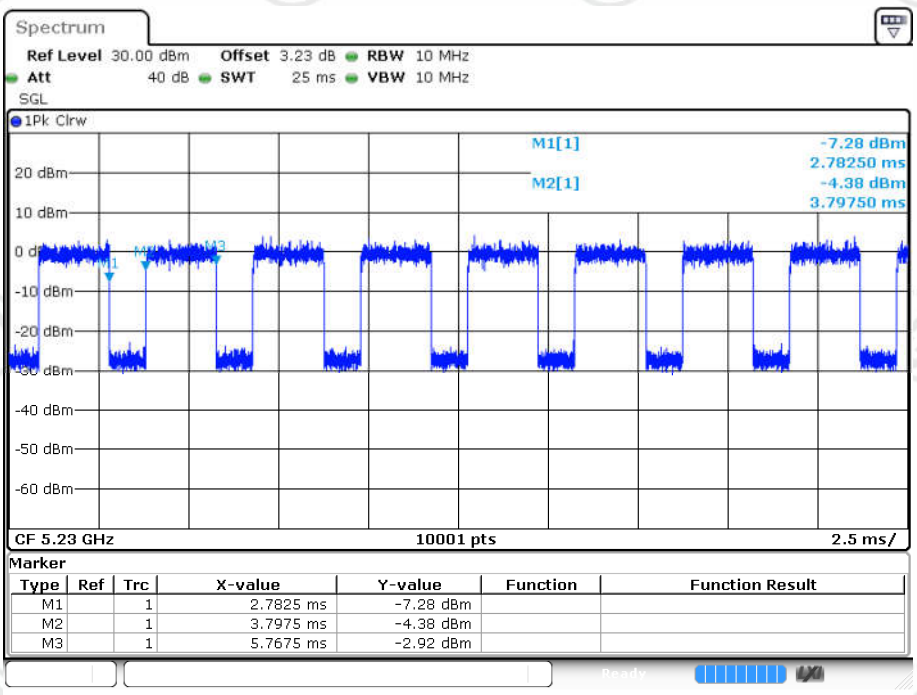
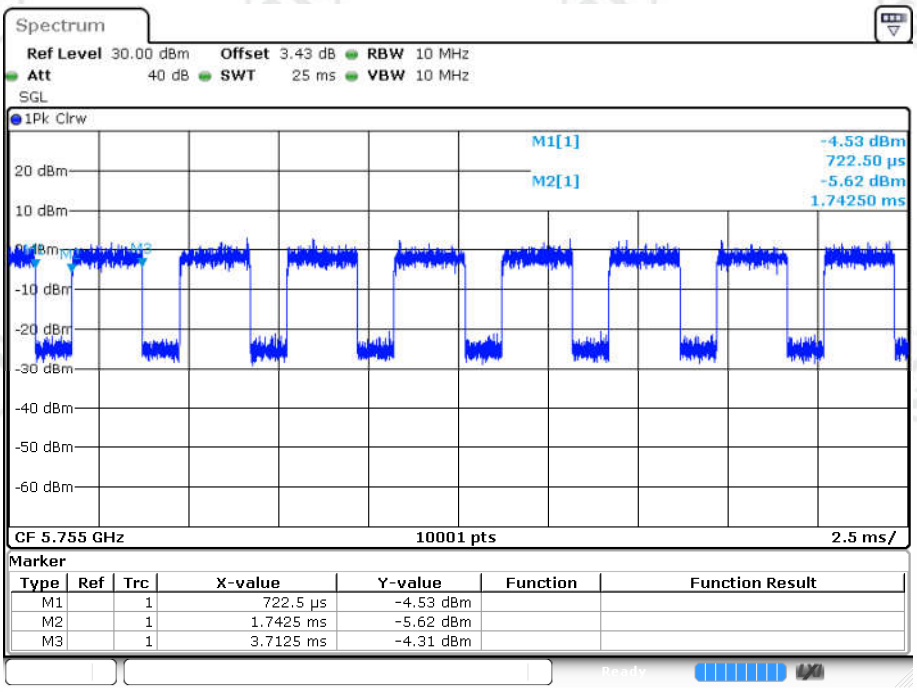
Duty Cycle NVNT ax40 5230MHz Ant1



Date: 8.DEC.2024 14:28:15

Duty Cycle NVNT ax40 5755MHz Ant1



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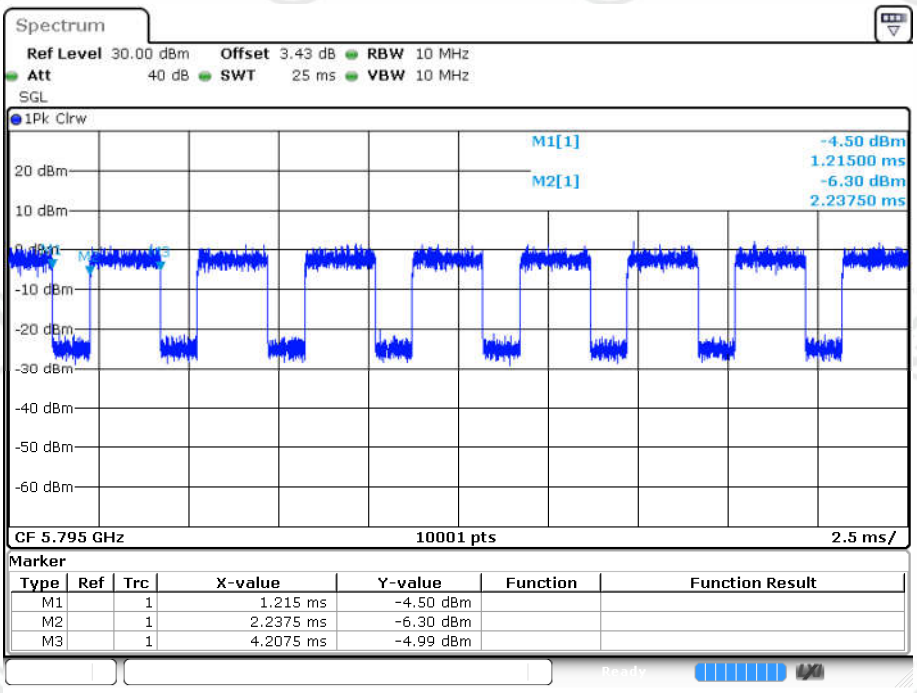
Duty Cycle NVNT ax40 5795MHz Ant1



Date: 8.DEC.2024 14:32:00

Maximum Conducted Output Power

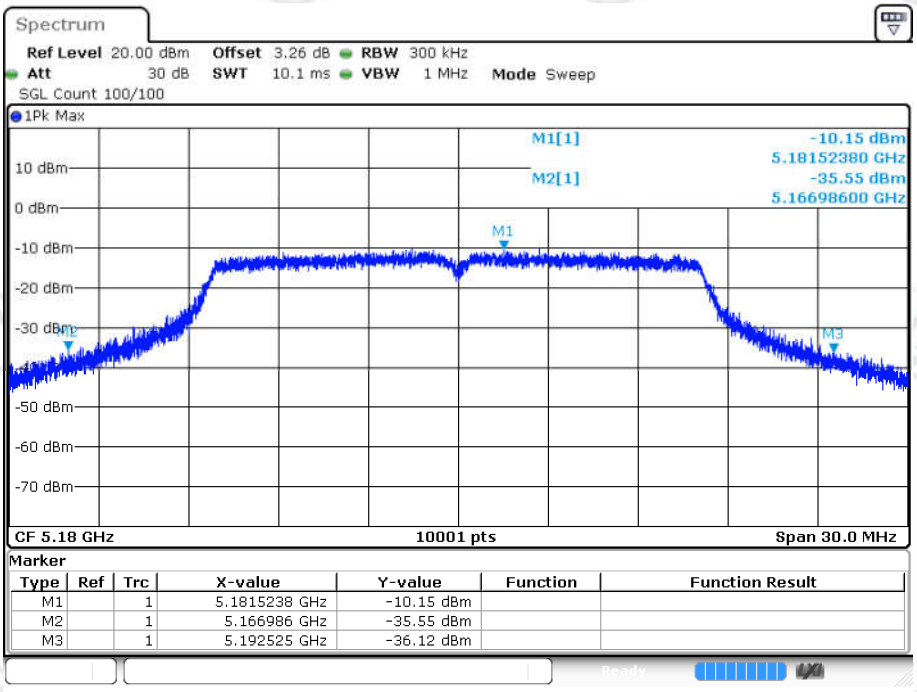
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.89	24	Pass
NVNT	a	5200	Ant1	-1.00	24	Pass
NVNT	a	5240	Ant1	-0.83	24	Pass
NVNT	a	5745	Ant1	-0.52	30	Pass
NVNT	a	5785	Ant1	-0.84	30	Pass
NVNT	a	5825	Ant1	-0.76	30	Pass
NVNT	n20	5180	Ant1	**-0.05**	24	Pass
NVNT	n20	5200	Ant1	-0.98	24	Pass
NVNT	n20	5240	Ant1	-0.68	24	Pass
NVNT	n20	5745	Ant1	-0.25	30	Pass
NVNT	n20	5785	Ant1	-0.47	30	Pass
NVNT	n20	5825	Ant1	-0.65	30	Pass
NVNT	n40	5190	Ant1	-1.05	24	Pass
NVNT	n40	5230	Ant1	-0.72	24	Pass
NVNT	n40	5755	Ant1	-1.02	30	Pass
NVNT	n40	5795	Ant1	-0.85	30	Pass
NVNT	ac20	5180	Ant1	-0.82	24	Pass
NVNT	ac20	5200	Ant1	-0.92	24	Pass
NVNT	ac20	5240	Ant1	-0.65	24	Pass
NVNT	ac20	5745	Ant1	-0.22	30	Pass
NVNT	ac20	5785	Ant1	-0.50	30	Pass
NVNT	ac20	5825	Ant1	-0.58	30	Pass
NVNT	ac40	5190	Ant1	-0.89	24	Pass
NVNT	ac40	5230	Ant1	-0.74	24	Pass
NVNT	ac40	5755	Ant1	-1.06	30	Pass
NVNT	ac40	5795	Ant1	-0.85	30	Pass
NVNT	ax20	5180	Ant1	-0.71	24	Pass
NVNT	ax20	5200	Ant1	-0.94	24	Pass
NVNT	ax20	5240	Ant1	-0.64	24	Pass
NVNT	ax20	5745	Ant1	-0.29	30	Pass
NVNT	ax20	5785	Ant1	-0.60	30	Pass
NVNT	ax20	5825	Ant1	-0.63	30	Pass
NVNT	ax40	5190	Ant1	-0.90	24	Pass
NVNT	ax40	5230	Ant1	-0.72	24	Pass
NVNT	ax40	5755	Ant1	-1.00	30	Pass
NVNT	ax40	5795	Ant1	-0.82	30	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	25.539	0.5	Pass
NVNT	a	5200	Ant1	25.356	0.5	Pass
NVNT	a	5240	Ant1	25.104	0.5	Pass
NVNT	n20	5180	Ant1	26.949	0.5	Pass
NVNT	n20	5200	Ant1	27.171	0.5	Pass
NVNT	n20	5240	Ant1	27.312	0.5	Pass
NVNT	n40	5190	Ant1	45.684	0.5	Pass
NVNT	n40	5230	Ant1	43.752	0.5	Pass
NVNT	ac20	5180	Ant1	27.021	0.5	Pass
NVNT	ac20	5200	Ant1	27.885	0.5	Pass
NVNT	ac20	5240	Ant1	27.168	0.5	Pass
NVNT	ac40	5190	Ant1	44.562	0.5	Pass
NVNT	ac40	5230	Ant1	43.974	0.5	Pass
NVNT	ax20	5180	Ant1	26.679	0.5	Pass
NVNT	ax20	5200	Ant1	25.581	0.5	Pass
NVNT	ax20	5240	Ant1	25.446	0.5	Pass
NVNT	ax40	5190	Ant1	44.832	0.5	Pass
NVNT	ax40	5230	Ant1	44.556	0.5	Pass

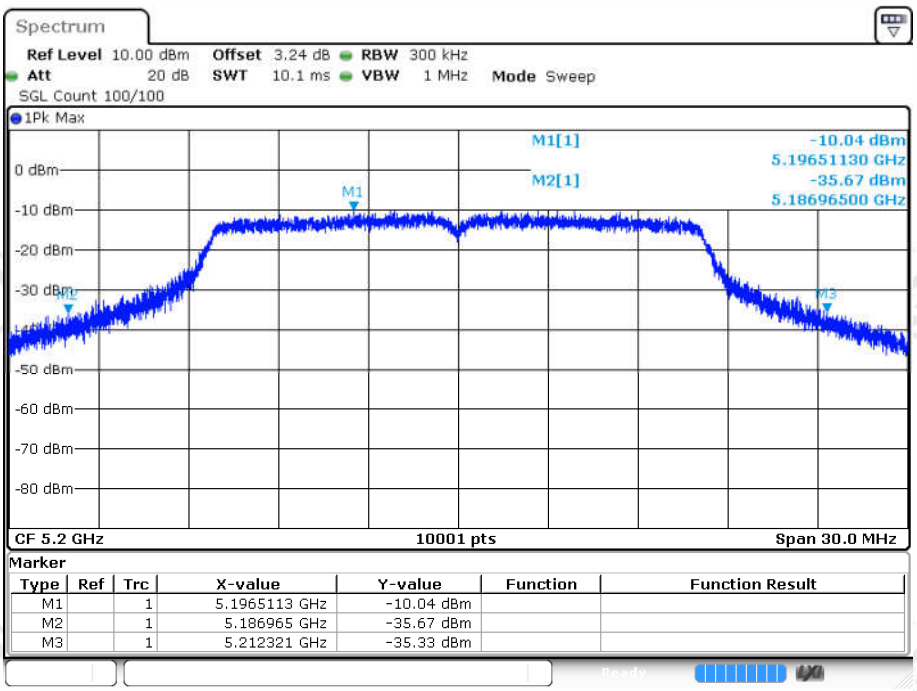
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



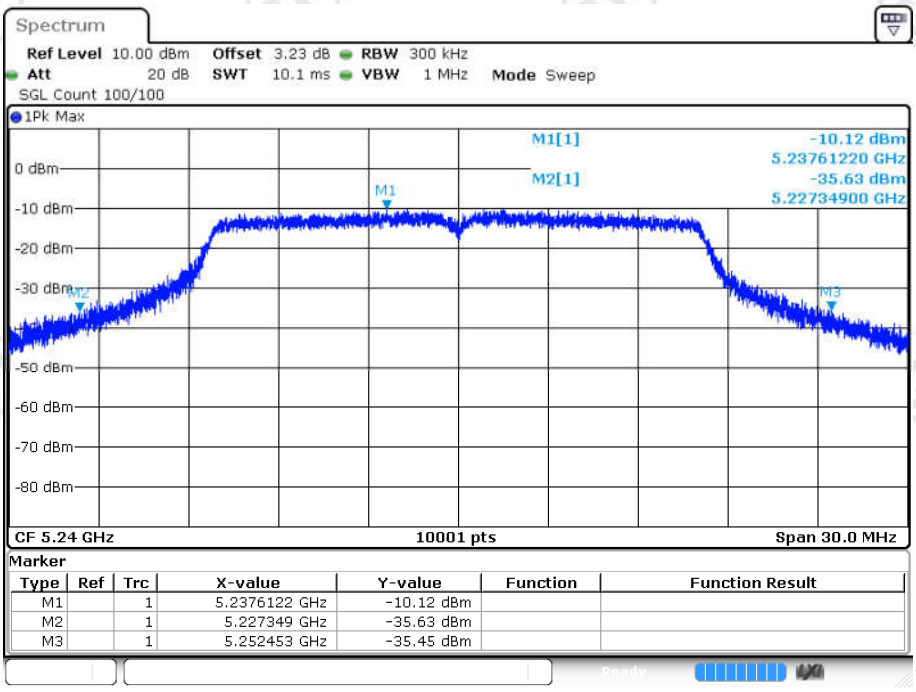
Date: 8.DEC.2024 13:14:24

-26dB Bandwidth NVNT a 5200MHz Ant1



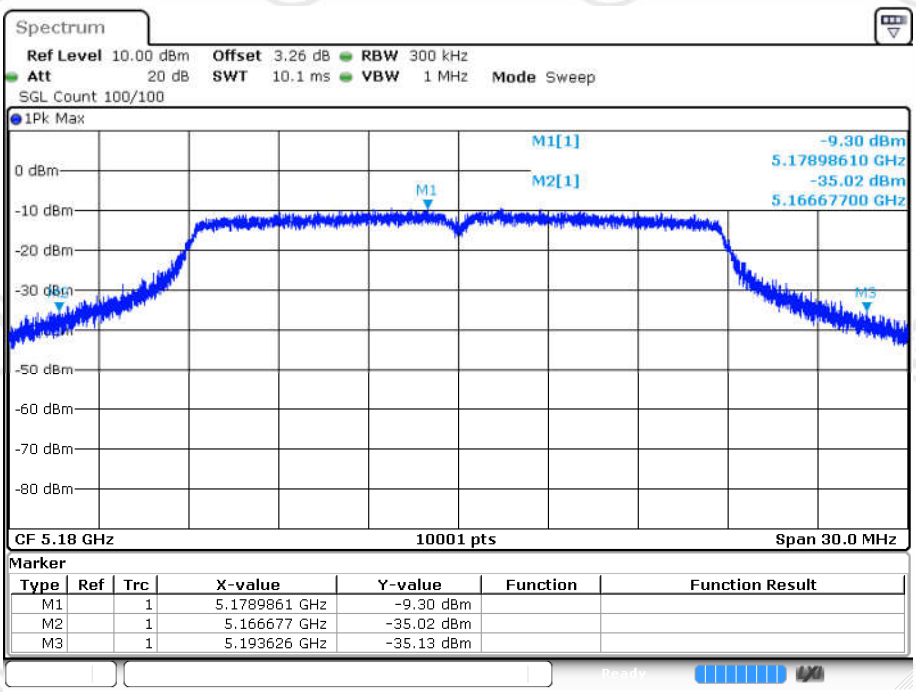
Date: 8.DEC.2024 13:17:01

-26dB Bandwidth NVNT a 5240MHz Ant1



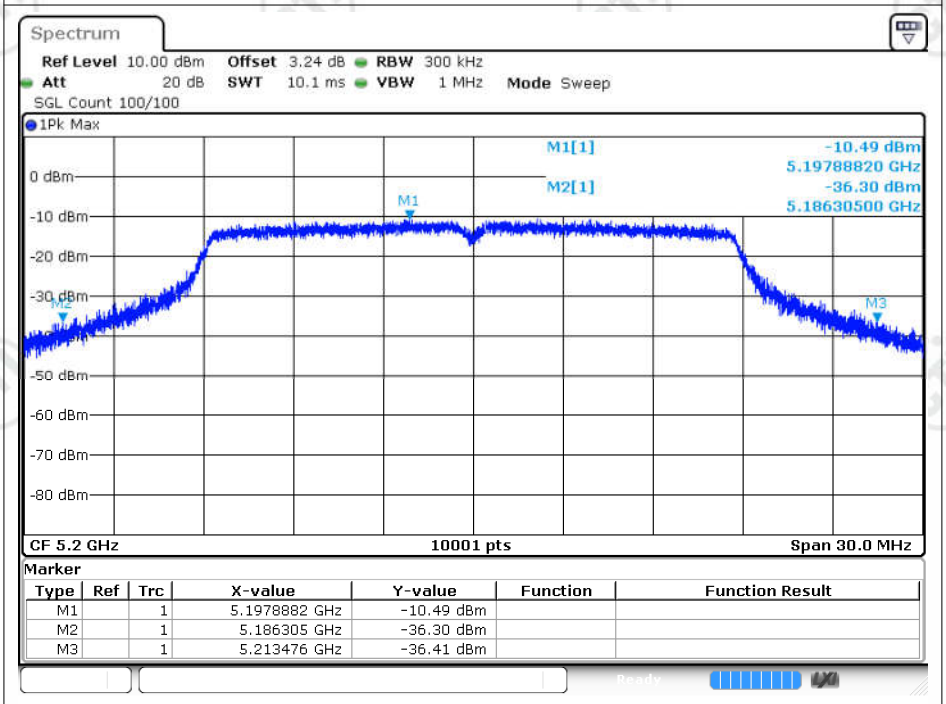
Date: 8.DEC.2024 13:18:52

-26dB Bandwidth NVNT n20 5180MHz Ant1



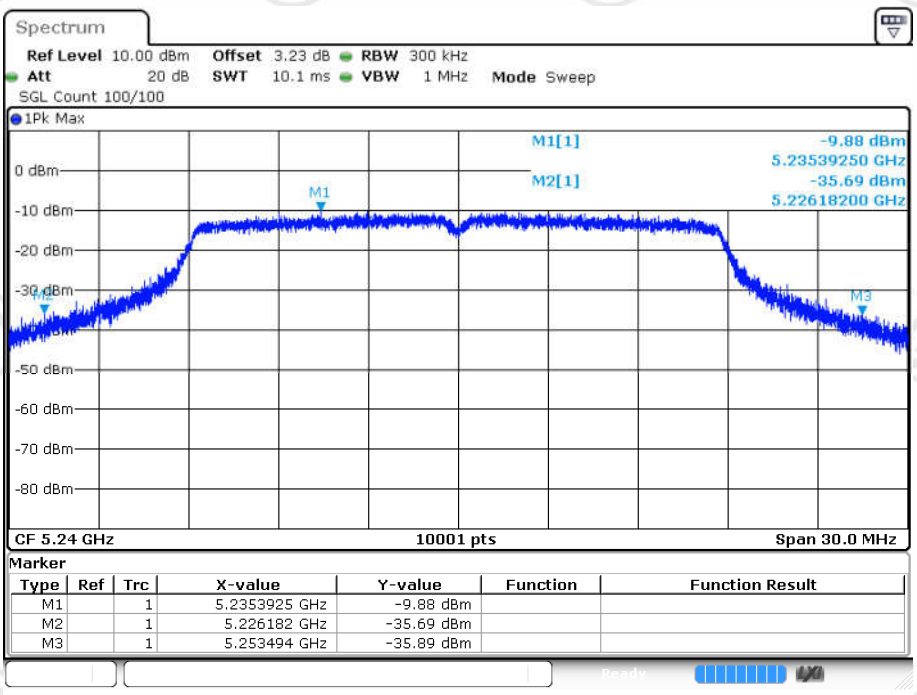
Date: 8.DEC.2024 13:29:35

-26dB Bandwidth NVNT n20 5200MHz Ant1



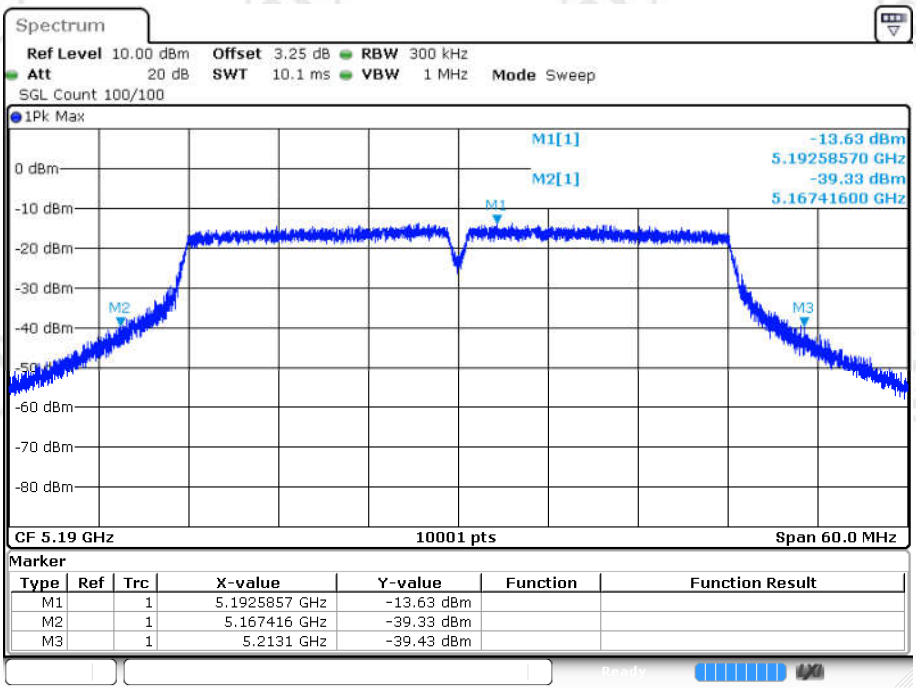
Date: 8.DEC.2024 13:31:44

-26dB Bandwidth NVNT n20 5240MHz Ant1



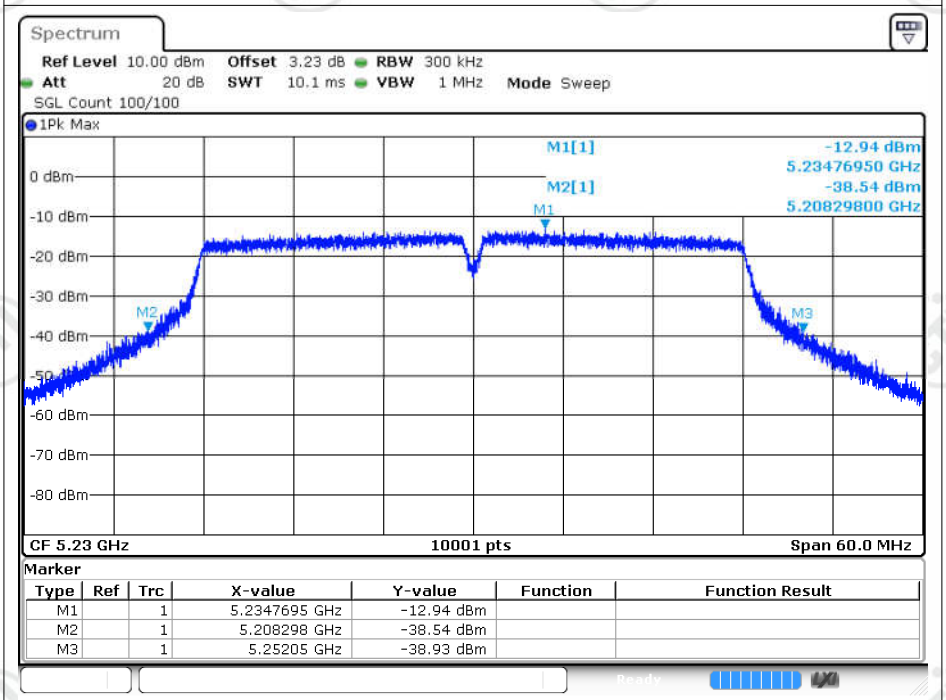
Date: 8.DEC.2024 13:34:17

-26dB Bandwidth NVNT n40 5190MHz Ant1



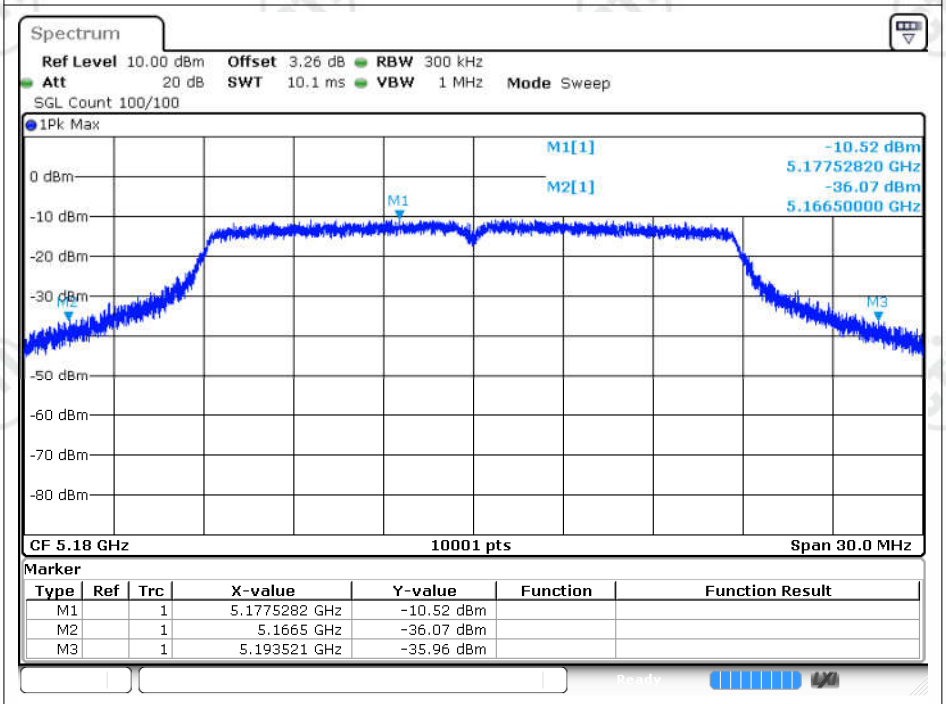
Date: 8.DEC.2024 13:43:09

-26dB Bandwidth NVNT n40 5230MHz Ant1



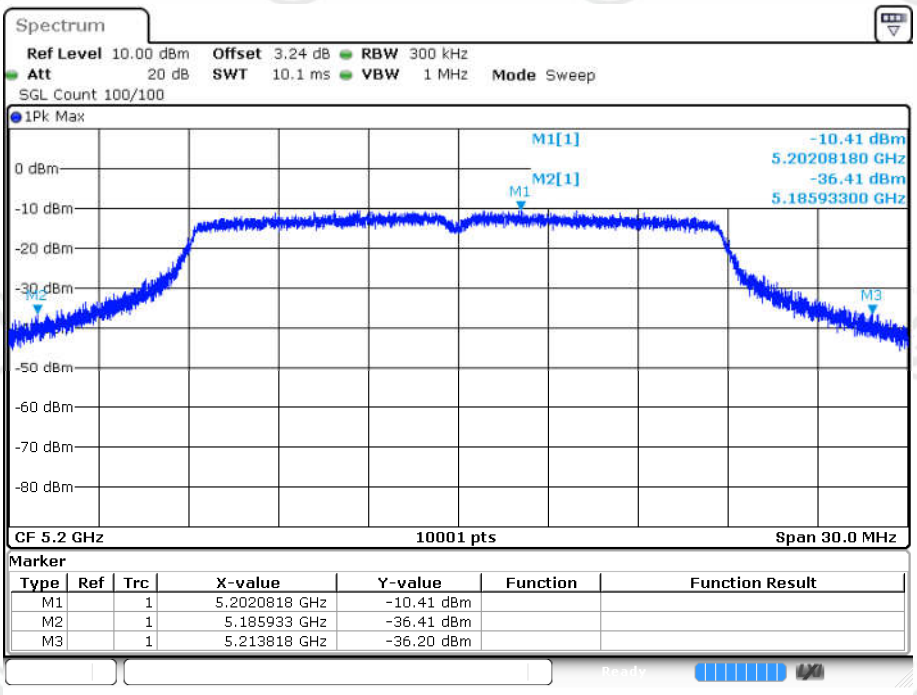
Date: 8.DEC.2024 13:45:22

-26dB Bandwidth NVNT ac20 5180MHz Ant1



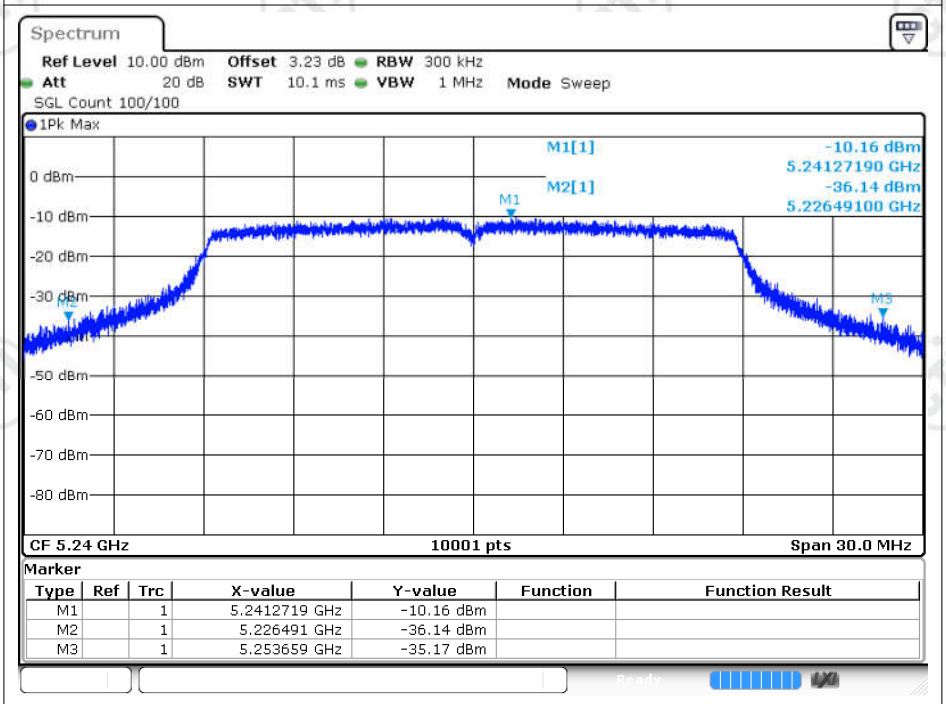
Date: 8.DEC.2024 13:53:00

-26dB Bandwidth NVNT ac20 5200MHz Ant1



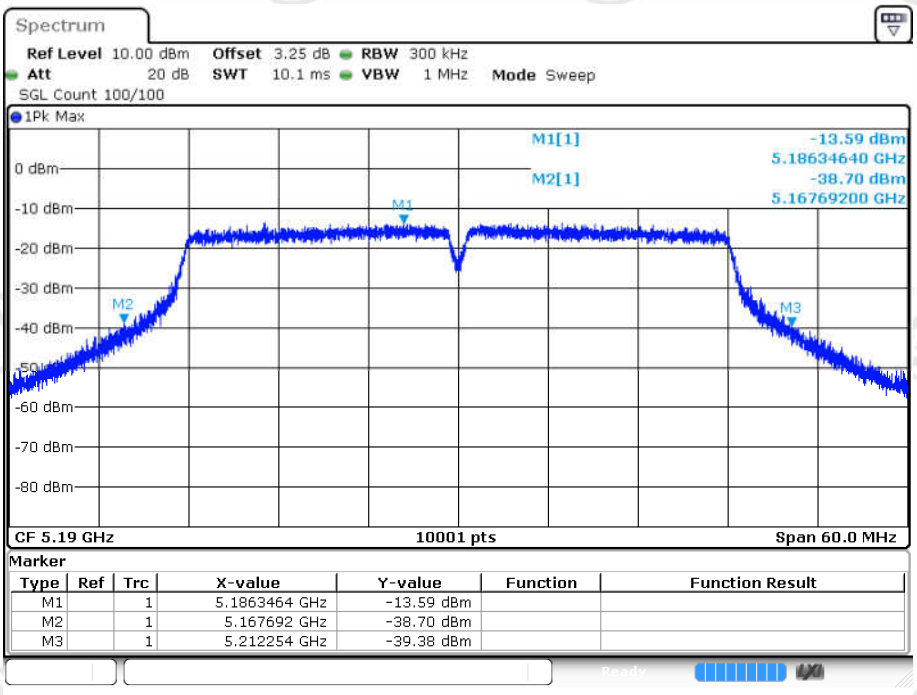
Date: 8.DEC.2024 13:55:14

-26dB Bandwidth NVNT ac20 5240MHz Ant1



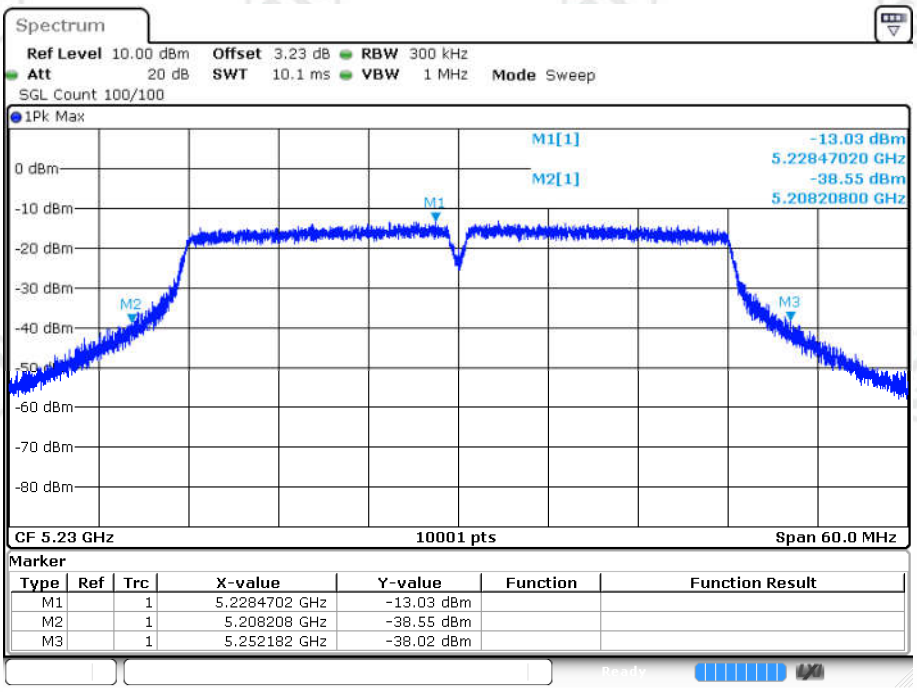
Date: 8.DEC.2024 13:57:33

-26dB Bandwidth NVNT ac40 5190MHz Ant1



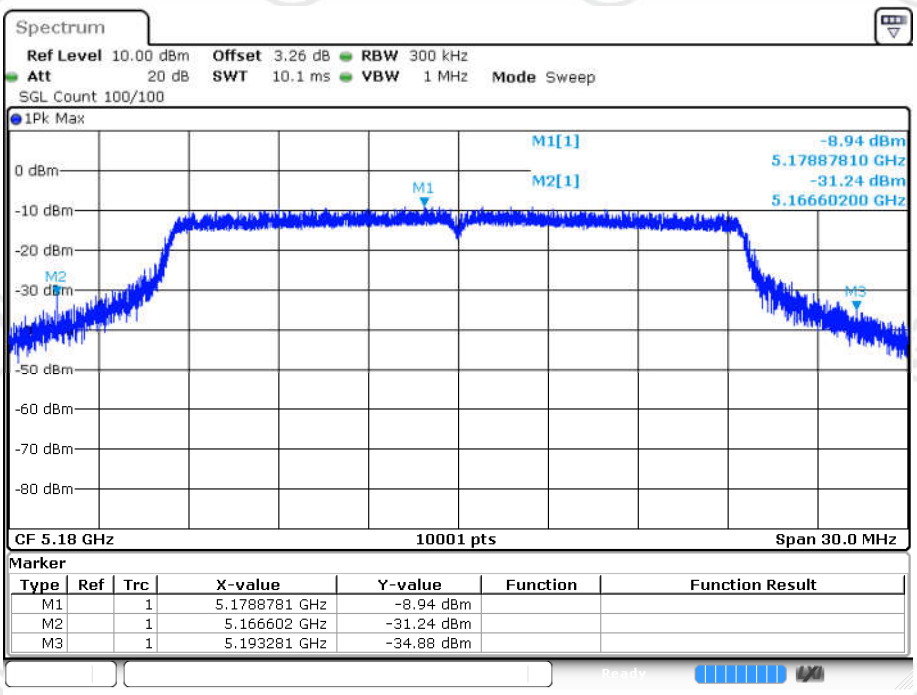
Date: 8.DEC.2024 14:05:47

-26dB Bandwidth NVNT ac40 5230MHz Ant1



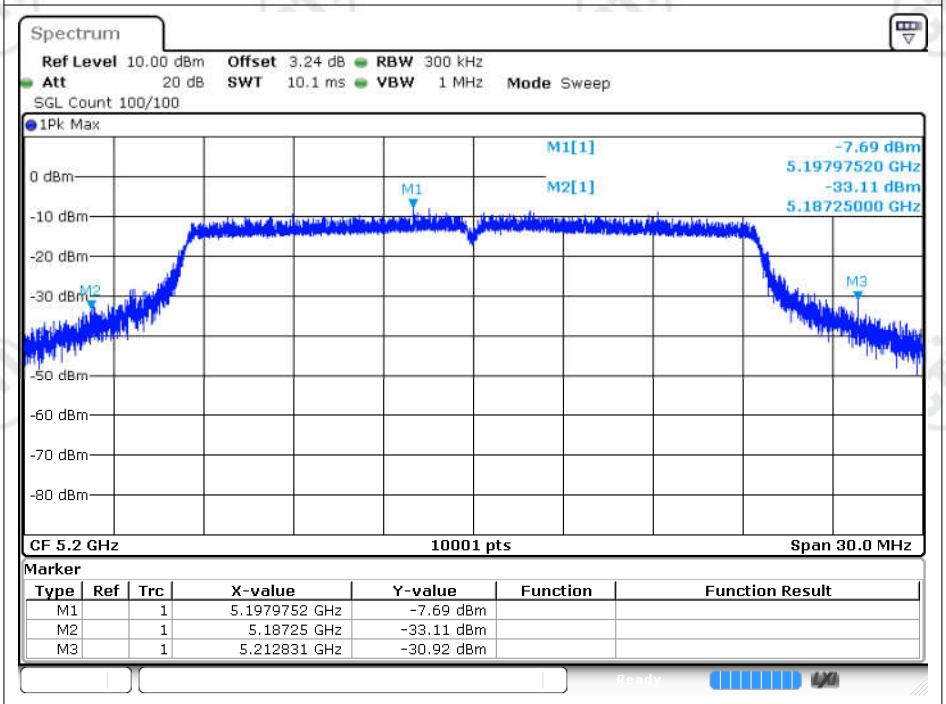
Date: 8.DEC.2024 14:08:18

-26dB Bandwidth NVNT ax20 5180MHz Ant1



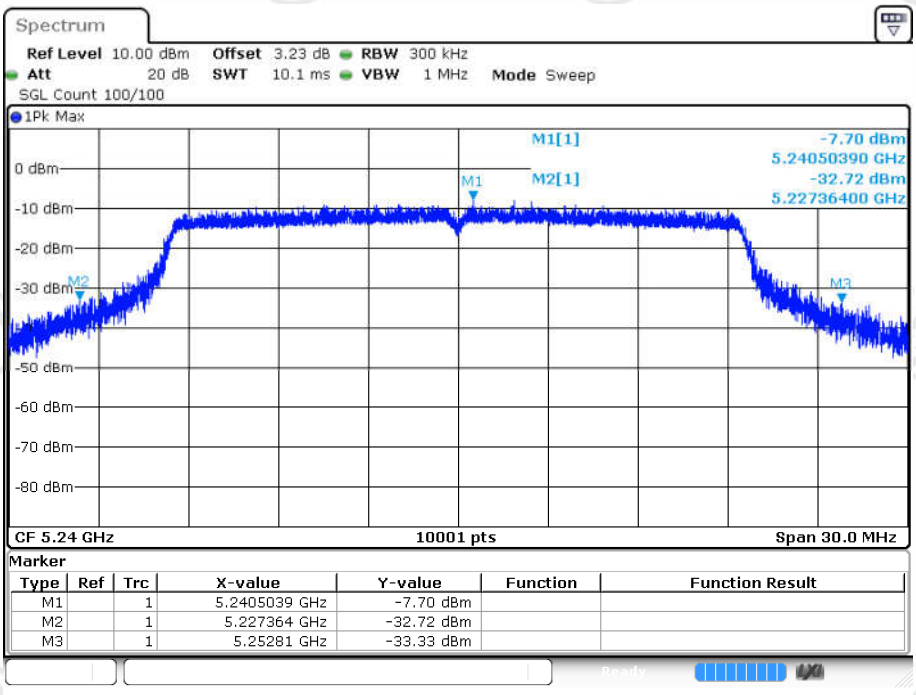
Date: 8.DEC.2024 14:14:40

-26dB Bandwidth NVNT ax20 5200MHz Ant1



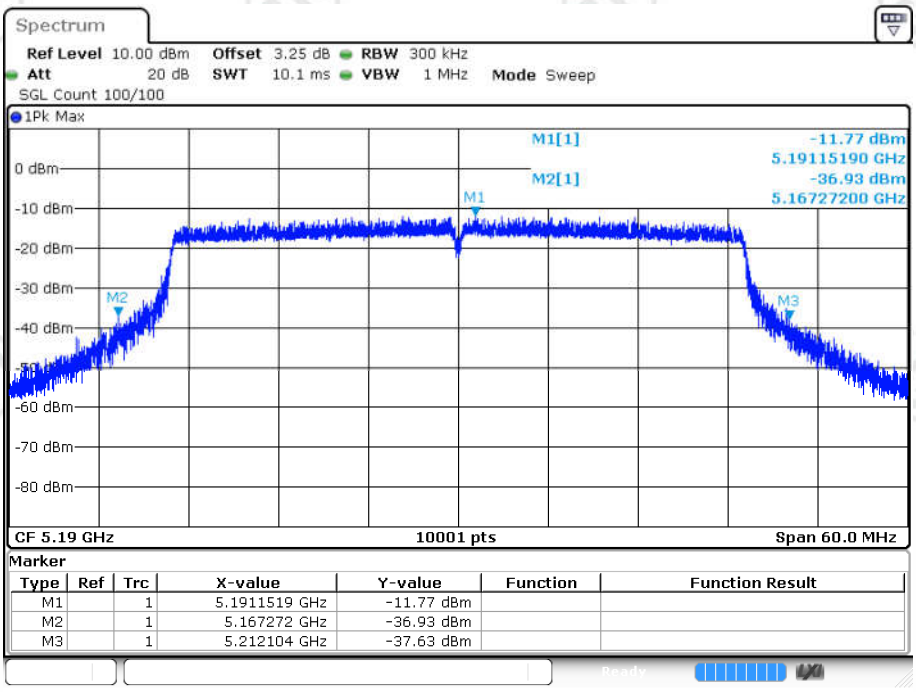
Date: 8.DEC.2024 14:16:16

-26dB Bandwidth NVNT ax20 5240MHz Ant1



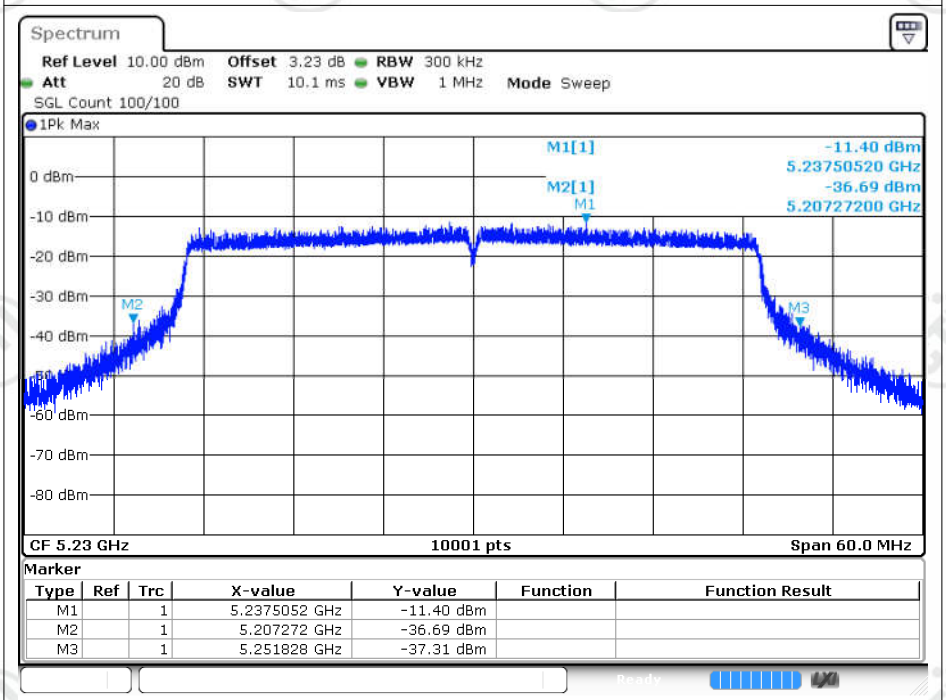
Date: 8.DEC.2024 14:18:17

-26dB Bandwidth NVNT ax40 5190MHz Ant1



Date: 8.DEC.2024 14:26:50

-26dB Bandwidth NVNT ax40 5230MHz Ant1



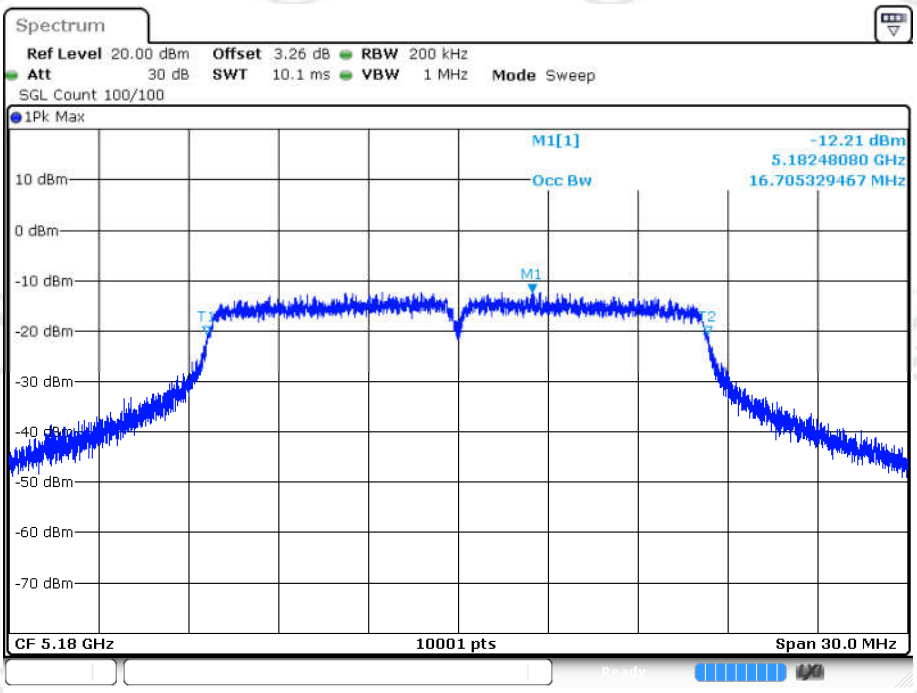
Date: 8.DEC.2024 14:28:26

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.705
NVNT	a	5200	Ant1	16.66
NVNT	a	5240	Ant1	16.678
NVNT	a	5745	Ant1	16.795
NVNT	a	5785	Ant1	16.804
NVNT	a	5825	Ant1	16.777
NVNT	n20	5180	Ant1	17.896
NVNT	n20	5200	Ant1	17.893
NVNT	n20	5240	Ant1	17.875
NVNT	n20	5745	Ant1	18.019
NVNT	n20	5785	Ant1	18.025
NVNT	n20	5825	Ant1	17.98
NVNT	n40	5190	Ant1	36.572
NVNT	n40	5230	Ant1	36.56
NVNT	n40	5755	Ant1	36.77
NVNT	n40	5795	Ant1	36.884
NVNT	ac20	5180	Ant1	17.905
NVNT	ac20	5200	Ant1	17.881
NVNT	ac20	5240	Ant1	17.89
NVNT	ac20	5745	Ant1	18.016
NVNT	ac20	5785	Ant1	18.046
NVNT	ac20	5825	Ant1	17.983
NVNT	ac40	5190	Ant1	36.578
NVNT	ac40	5230	Ant1	36.548
NVNT	ac40	5755	Ant1	36.692
NVNT	ac40	5795	Ant1	36.818
NVNT	ax20	5180	Ant1	19.051
NVNT	ax20	5200	Ant1	19.057
NVNT	ax20	5240	Ant1	19.045
NVNT	ax20	5745	Ant1	19.162
NVNT	ax20	5785	Ant1	19.15
NVNT	ax20	5825	Ant1	19.15
NVNT	ax40	5190	Ant1	37.946
NVNT	ax40	5230	Ant1	37.91
NVNT	ax40	5755	Ant1	38.036
NVNT	ax40	5795	Ant1	38.084

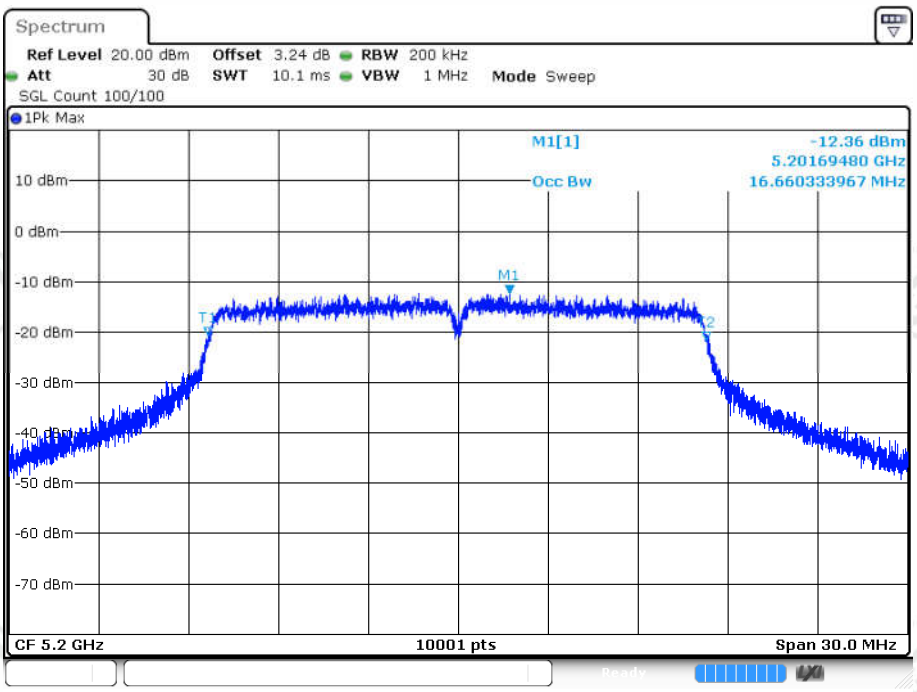
Test Graphs

OBW NVNT a 5180MHz Ant1



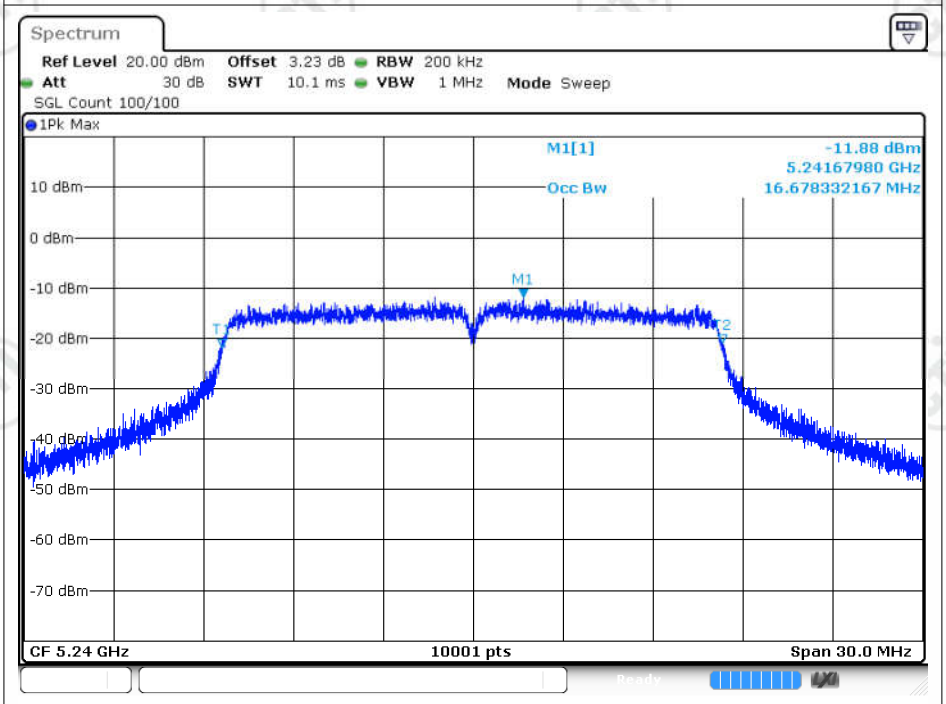
Date: 8.DEC.2024 13:14:17

OBW NVNT a 5200MHz Ant1



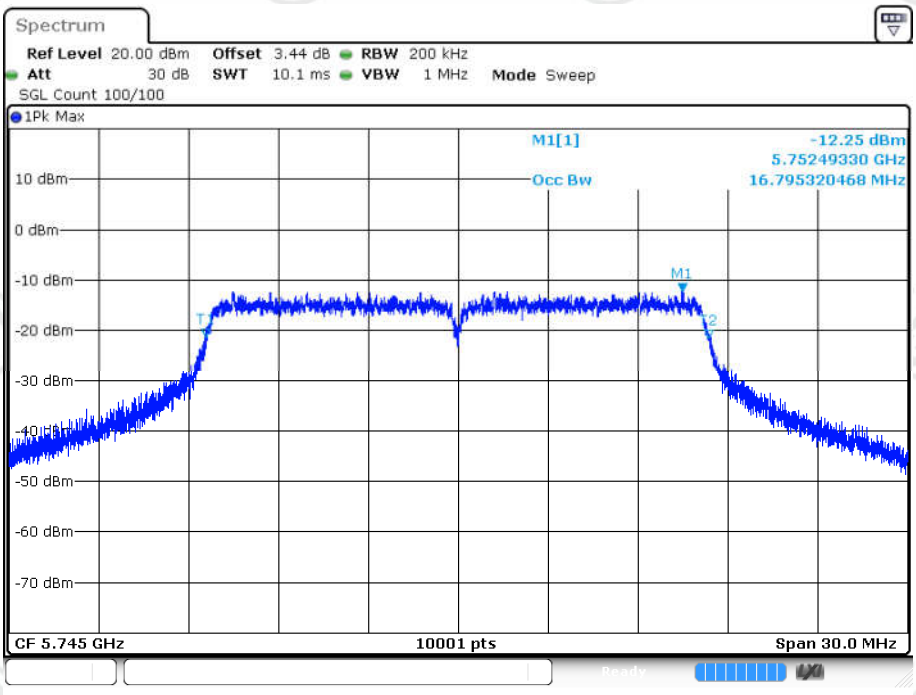
Date: 8.DEC.2024 13:16:27

OBW NVNT a 5240MHz Ant1



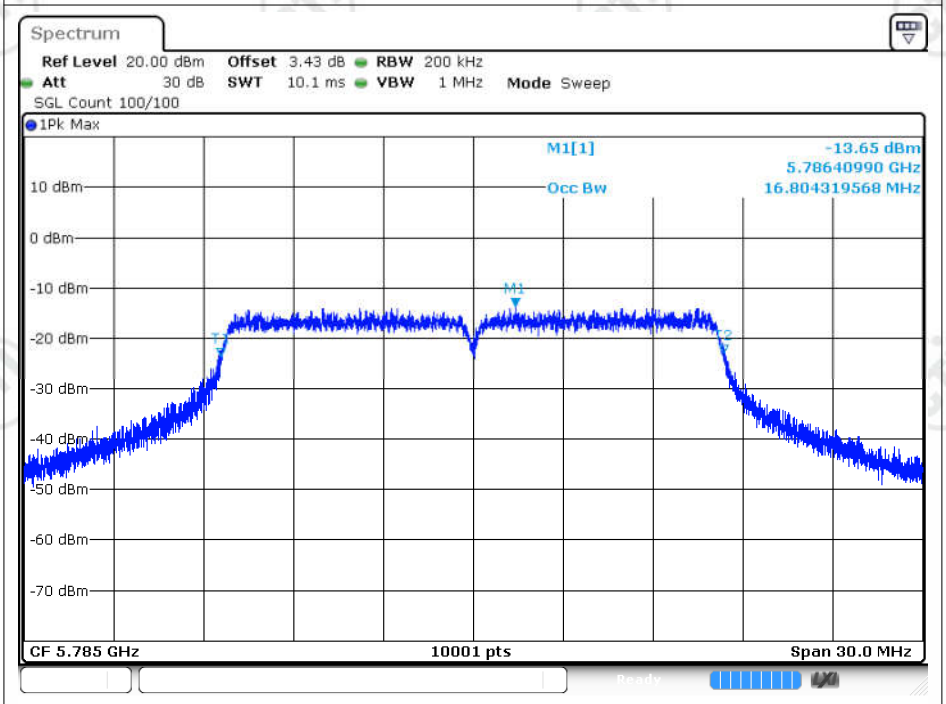
Date: 8.DEC.2024 13:18:44

OBW NVNT a 5745MHz Ant1



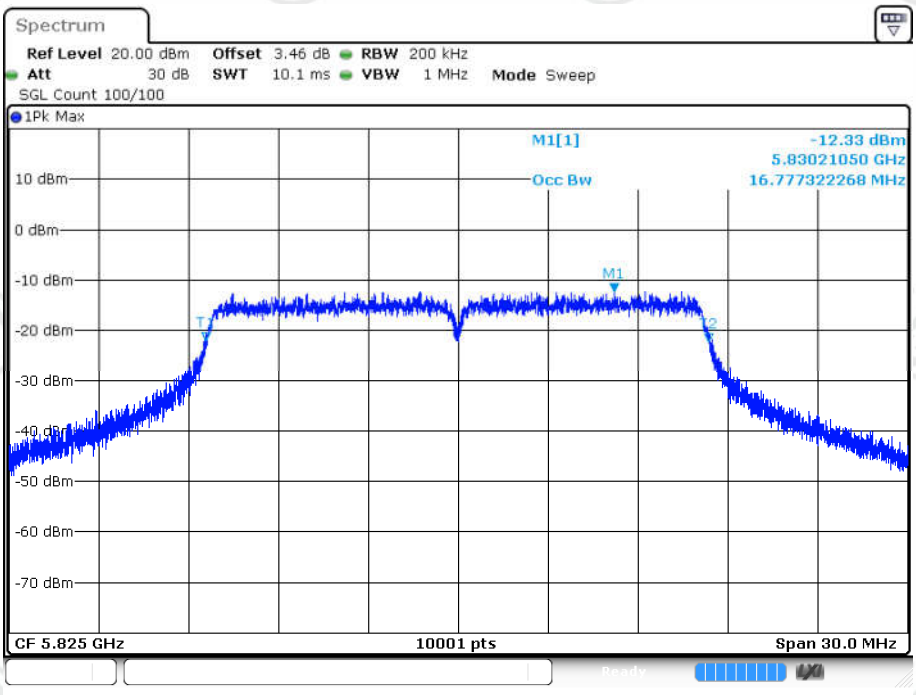
Date: 8.DEC.2024 13:21:09

OBW NVNT a 5785MHz Ant1



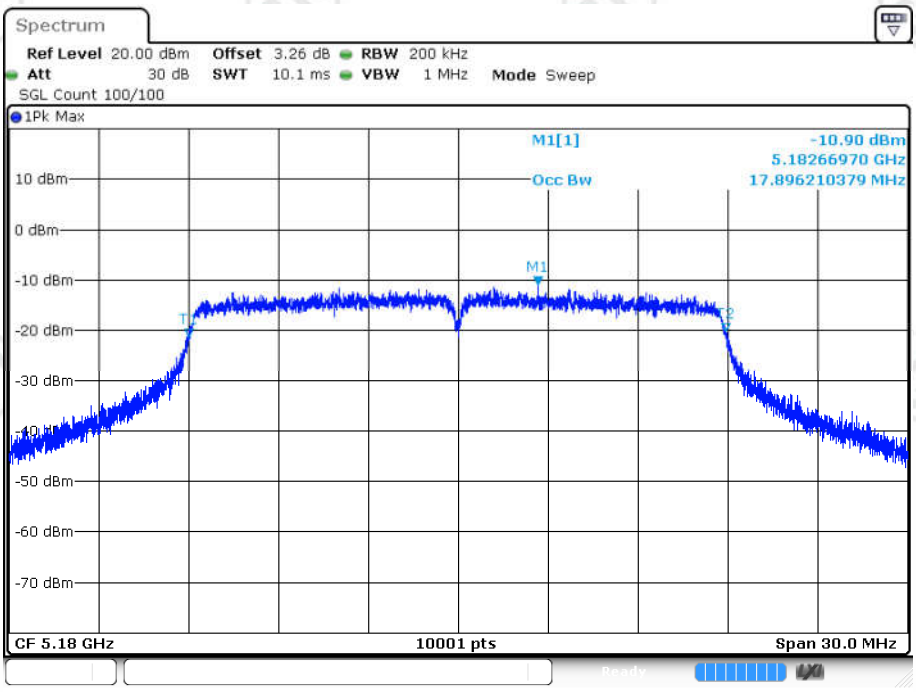
Date: 8.DEC.2024 13:23:05

OBW NVNT a 5825MHz Ant1



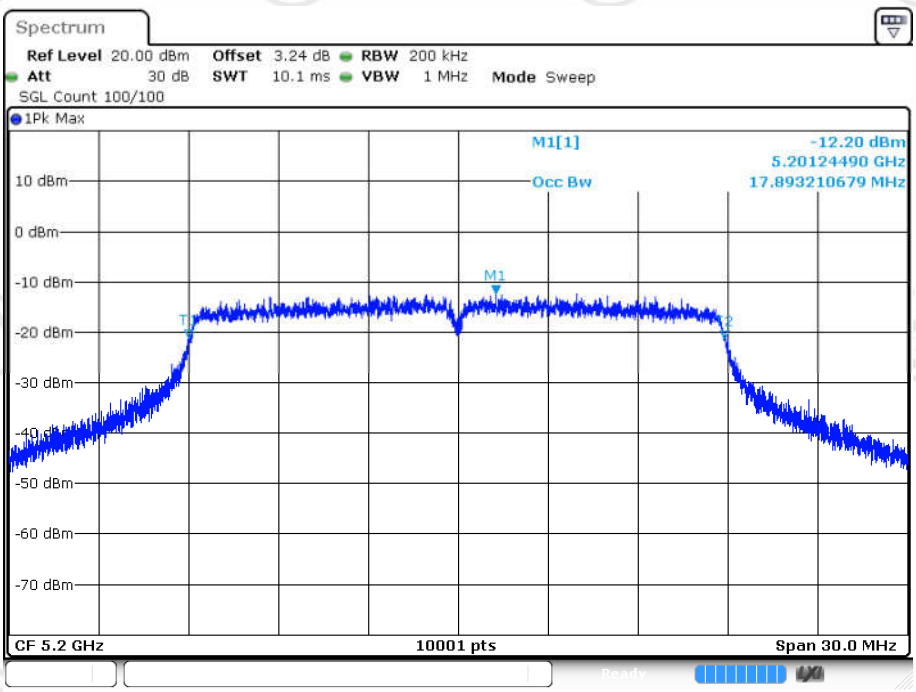
Date: 8.DEC.2024 13:25:44

OBW NVNT n20 5180MHz Ant1



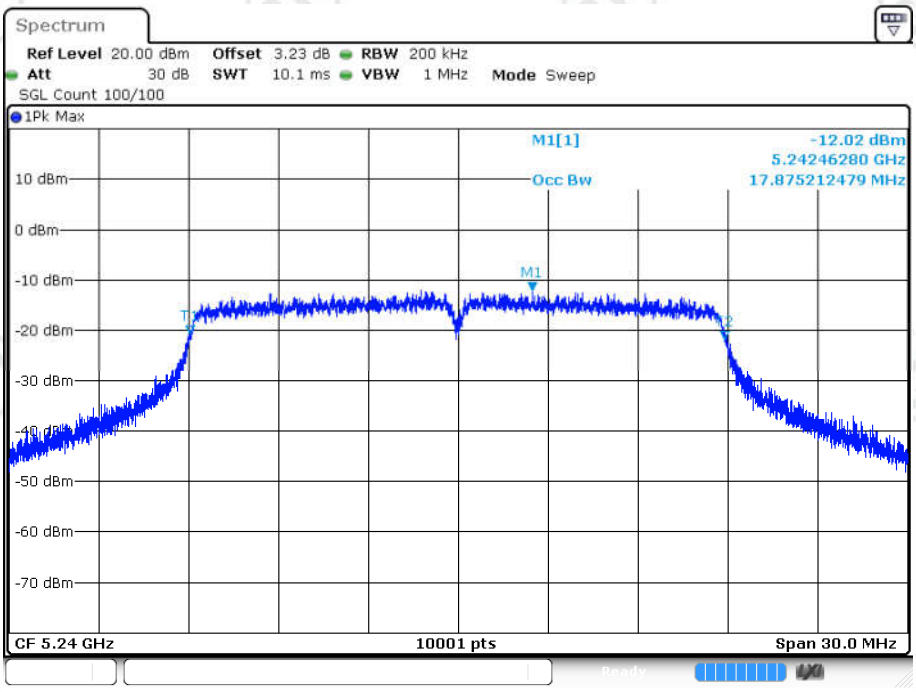
Date: 8.DEC.2024 13:28:19

OBW NVNT n20 5200MHz Ant1



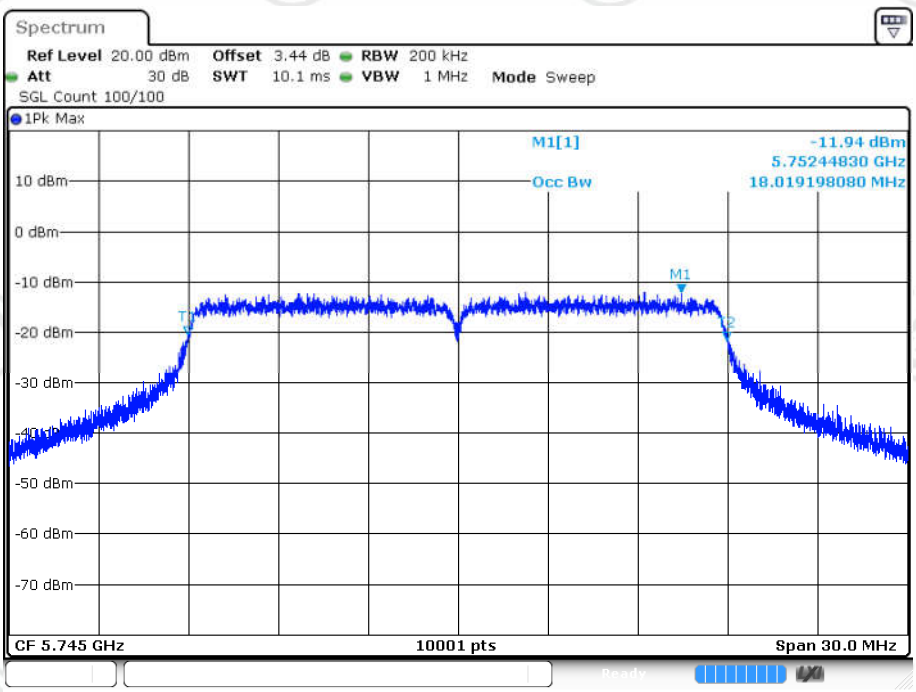
Date: 8.DEC.2024 13:31:36

OBW NVNT n20 5240MHz Ant1



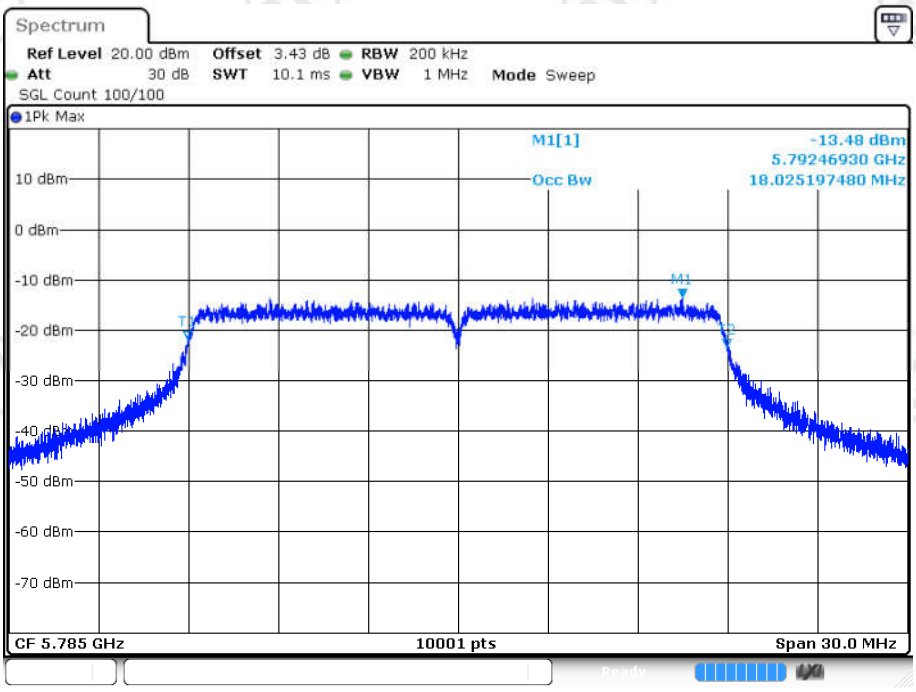
Date: 8.DEC.2024 13:34:10

OBW NVNT n20 5745MHz Ant1



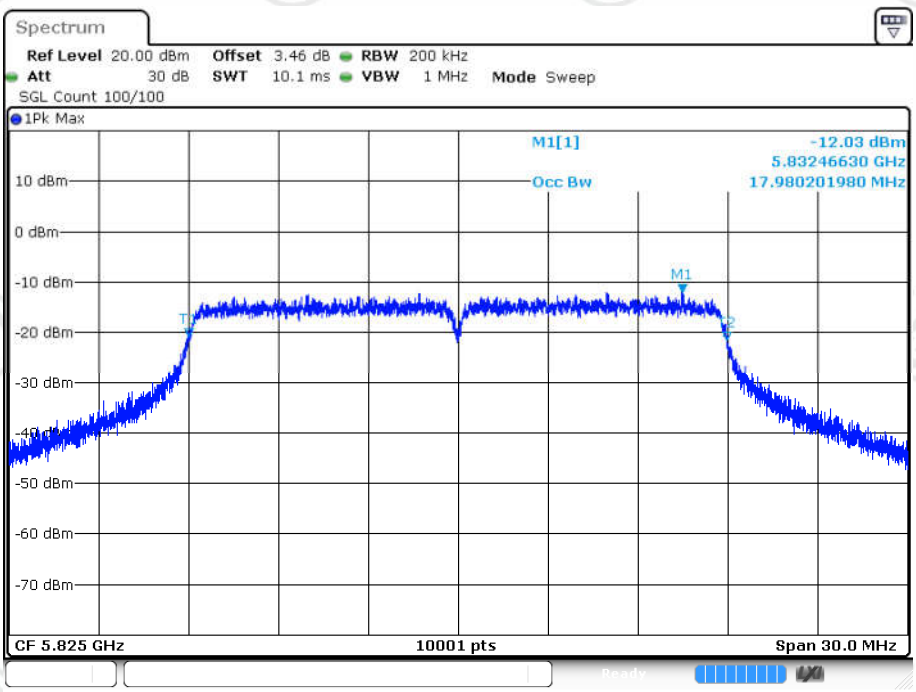
Date: 8.DEC.2024 13:36:43

OBW NVNT n20 5785MHz Ant1



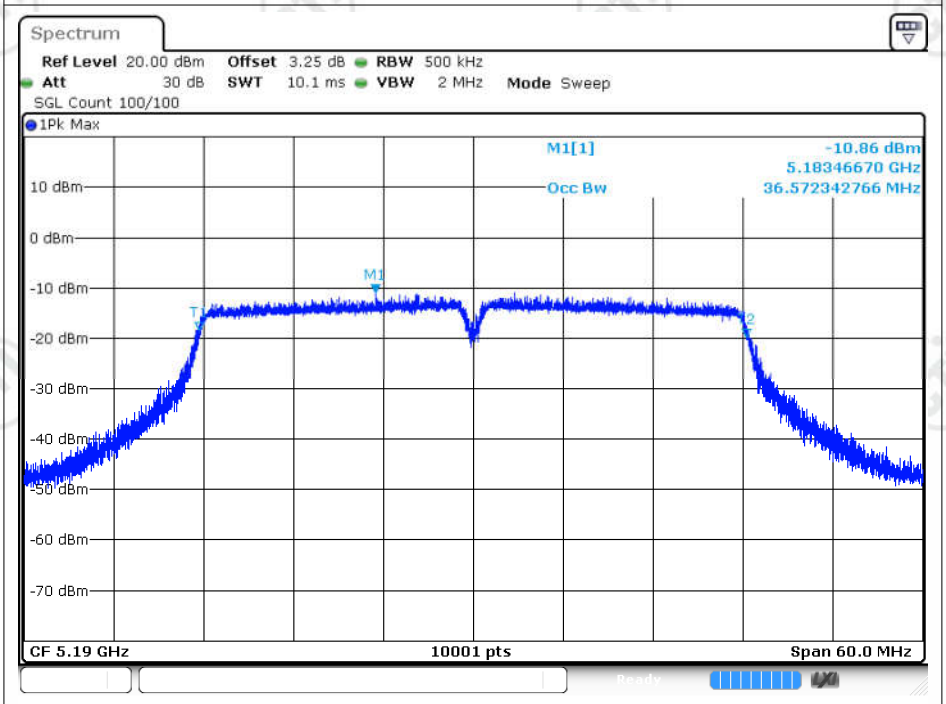
Date: 8.DEC.2024 13:38:33

OBW NVNT n20 5825MHz Ant1



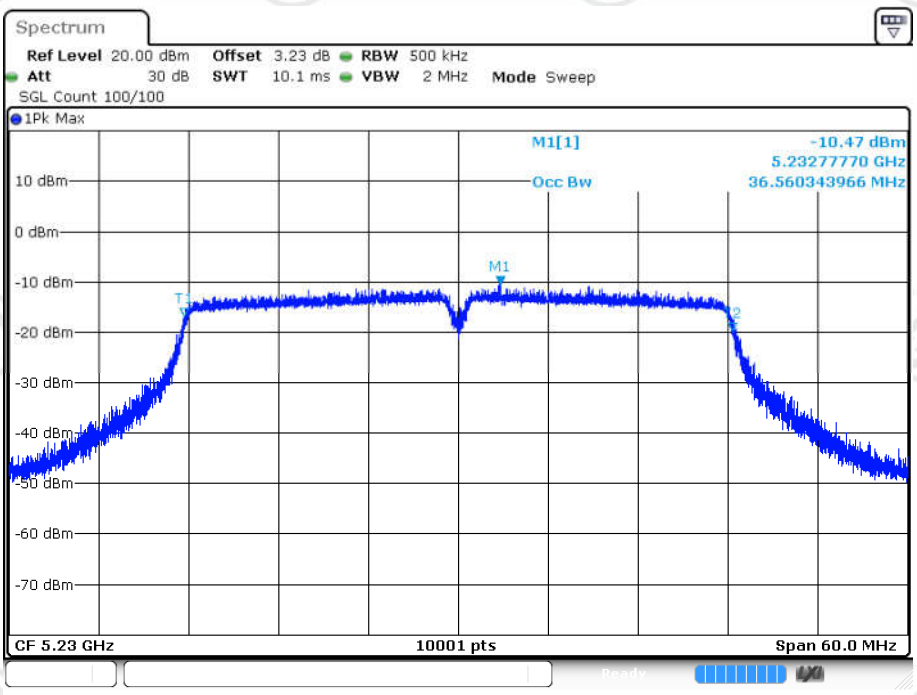
Date: 8.DEC.2024 13:40:56

OBW NVNT n40 5190MHz Ant1



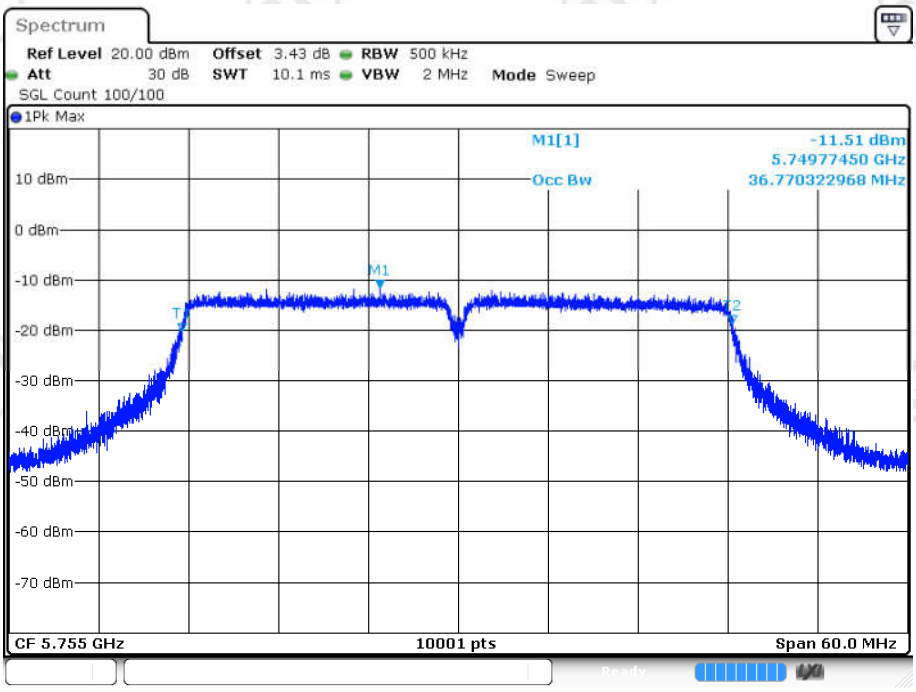
Date: 8.DEC.2024 13:43:02

OBW NVNT n40 5230MHz Ant1



Date: 8.DEC.2024 13:45:14

OBW NVNT n40 5755MHz Ant1



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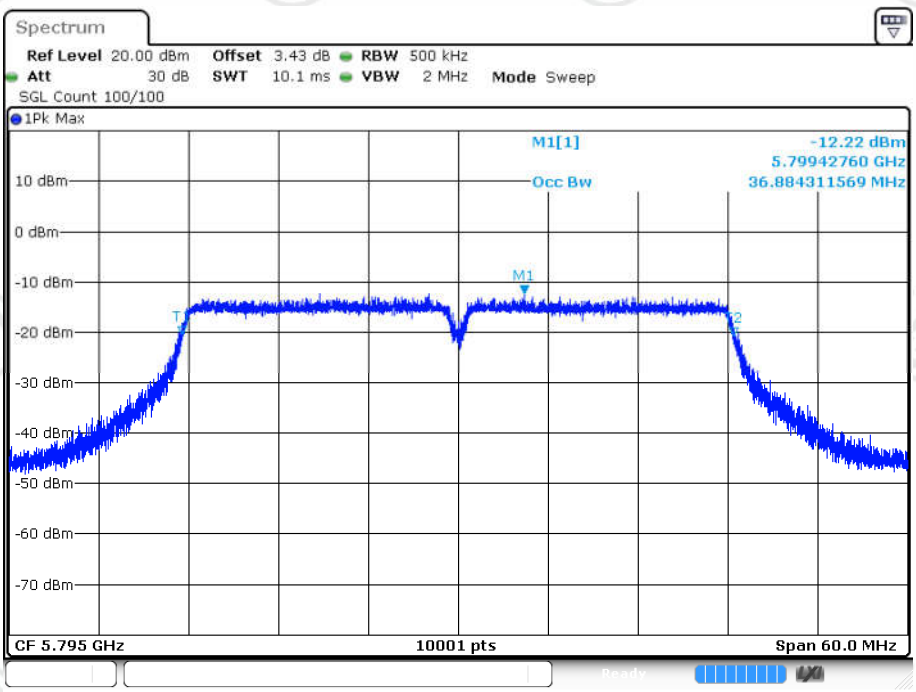
OBW NVNT n40 5795MHz Ant1



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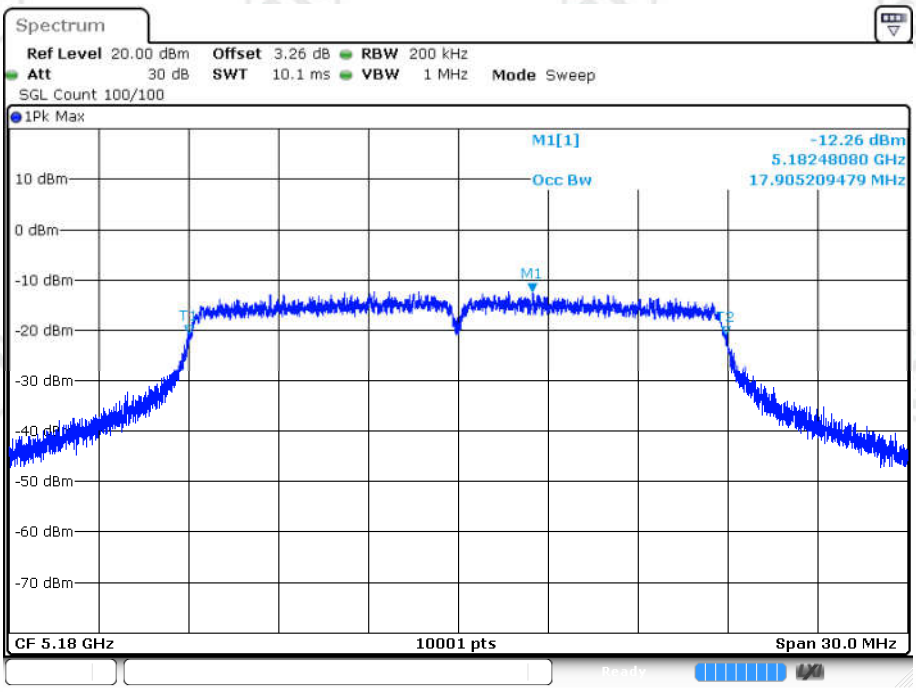
OBW NVNT ac20 5180MHz Ant1



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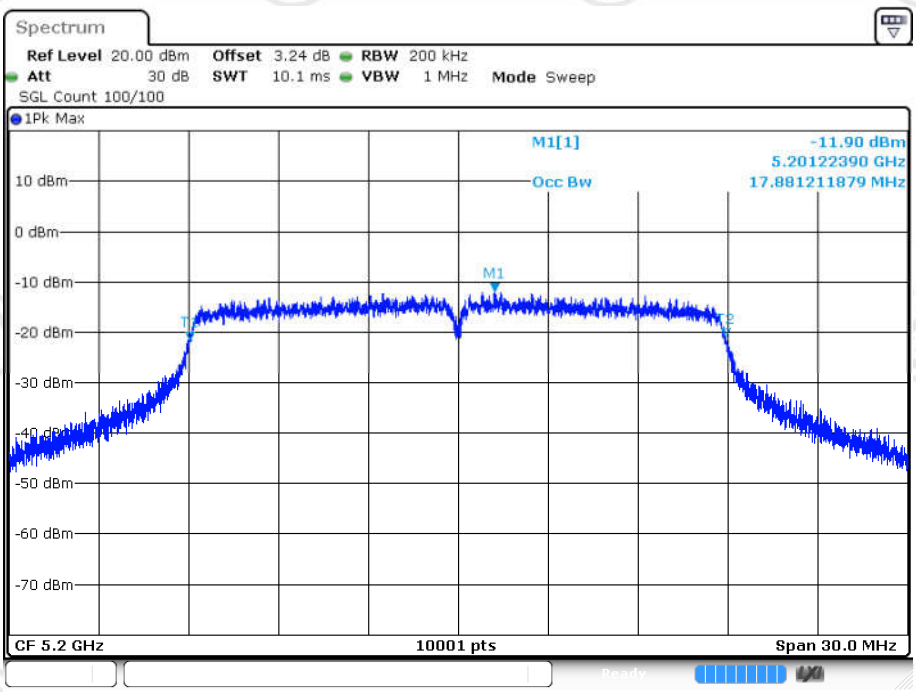
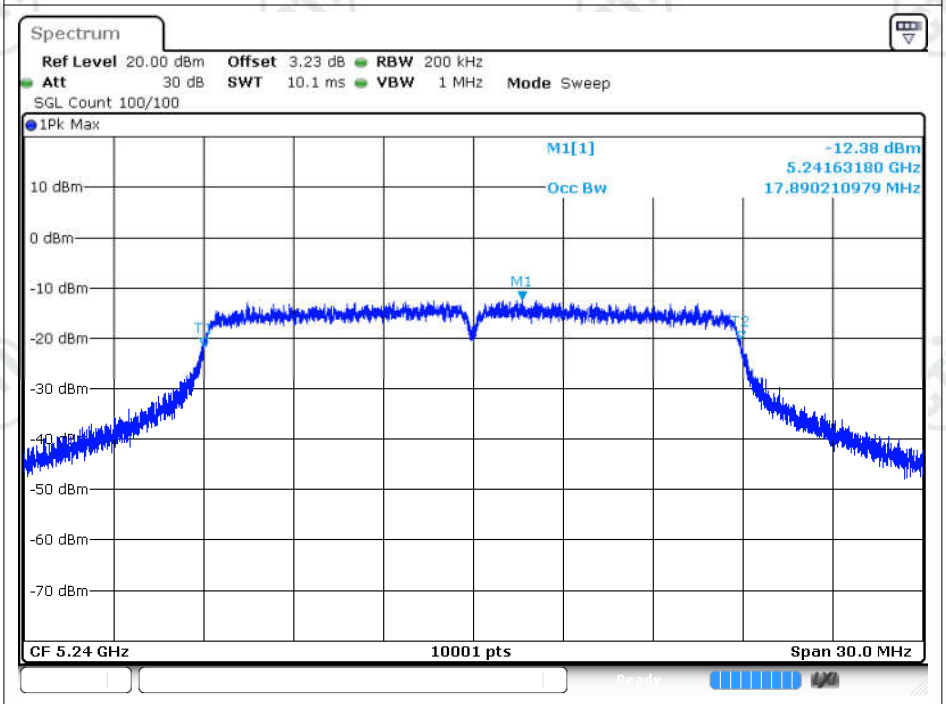
OBW NVNT ac20 5200MHz Ant1



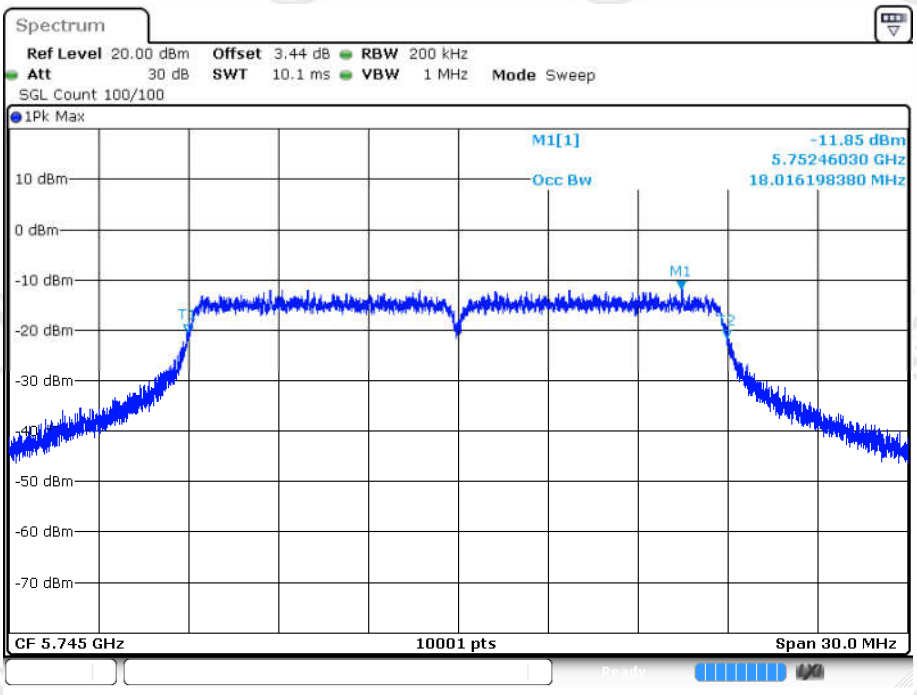
Date: 8.DEC.2024 13:55:03

OBW NVNT ac20 5240MHz Ant1



Date: 8.DEC.2024 13:57:25

OBW NVNT ac20 5745MHz Ant1



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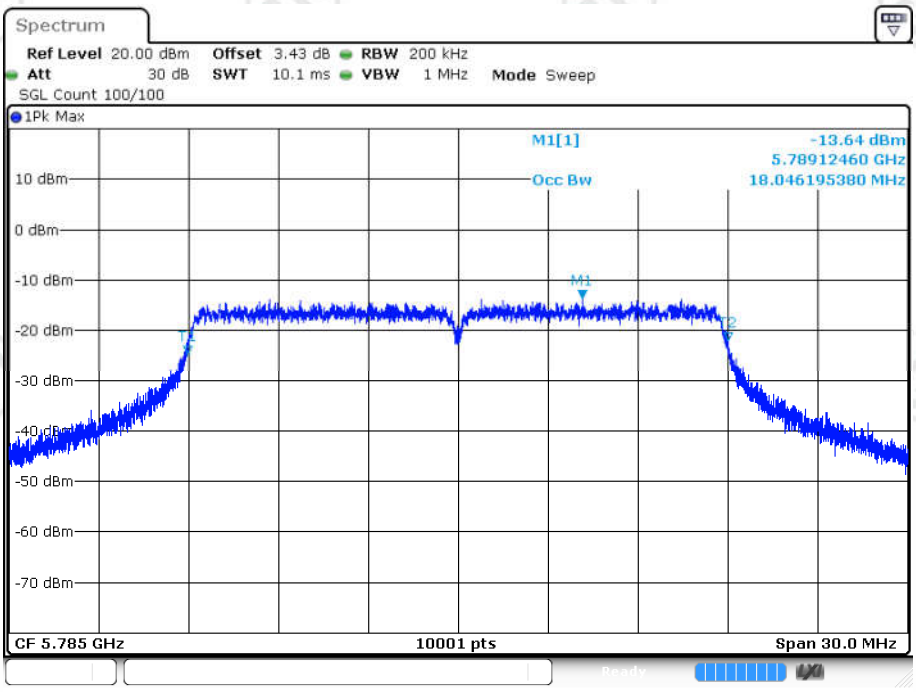
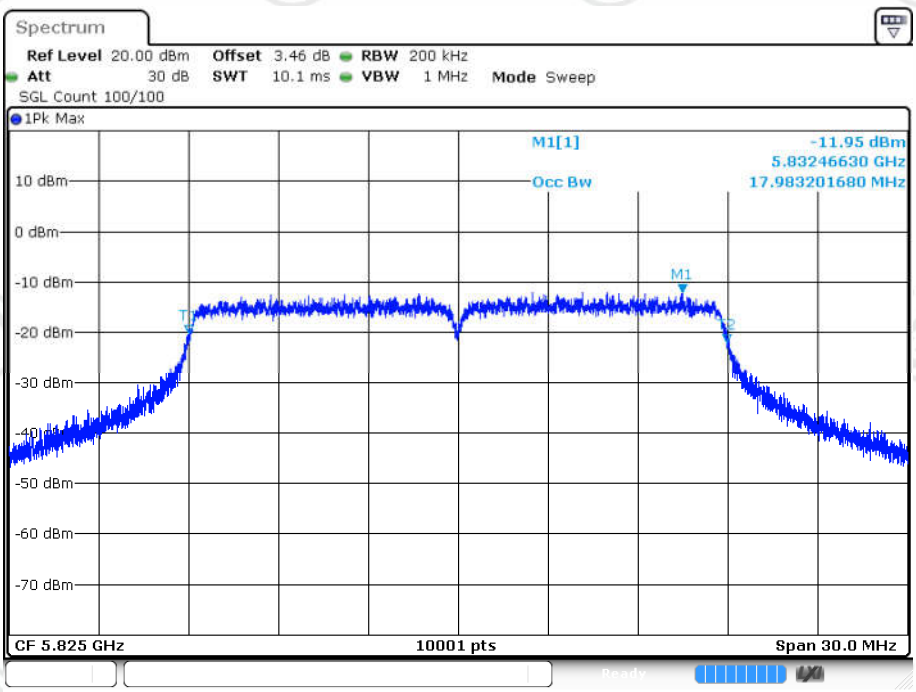
OBW NVNT ac20 5785MHz Ant1



Date: 8.DEC.2024 14:01:56

OBW NVNT ac20 5825MHz Ant1



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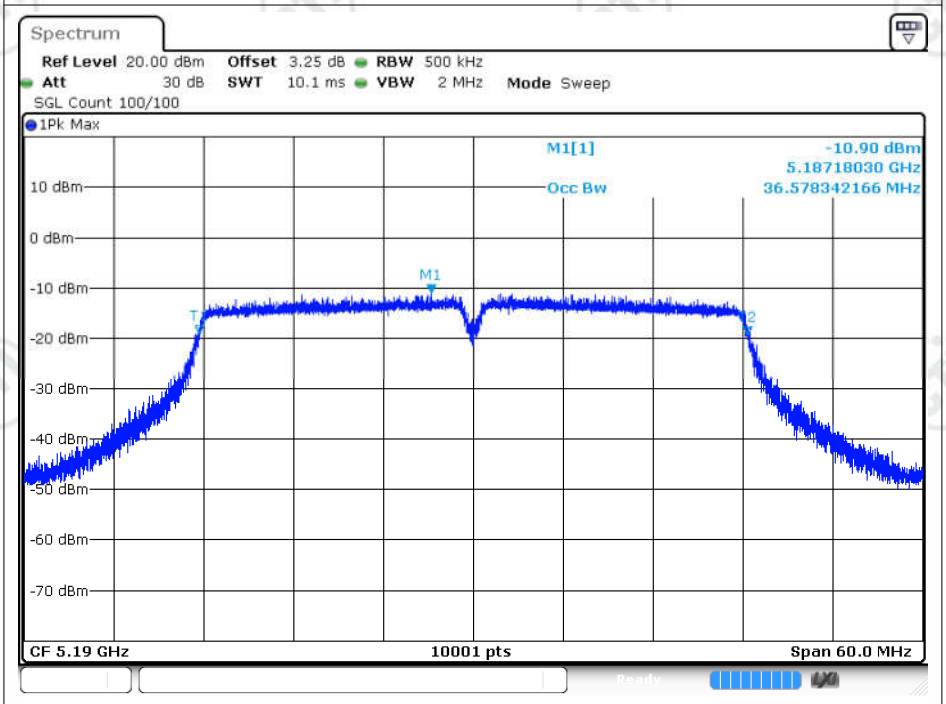
OBW NVNT ac40 5190MHz Ant1



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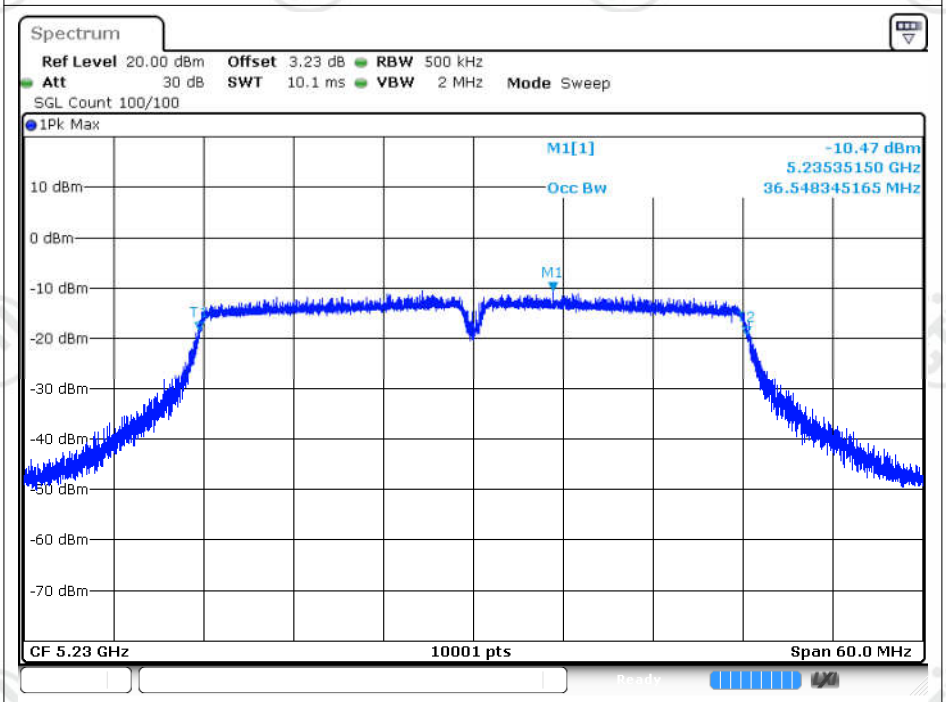
OBW NVNT ac40 5230MHz Ant1



Date: 8.DEC.2024 14:08:10