Appendix: 5G WIFI

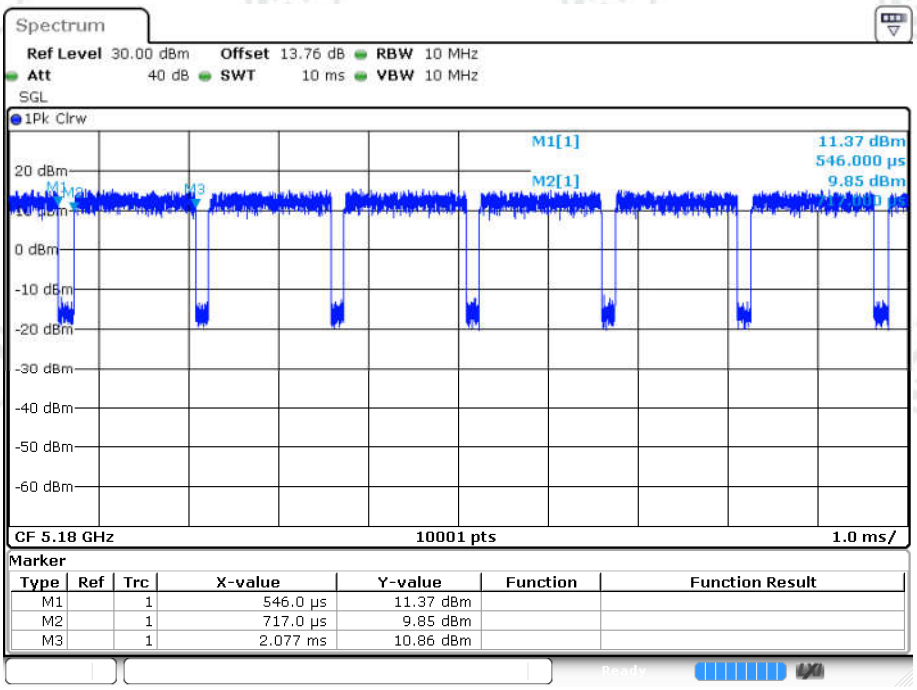
Contents

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	88.83	0.51	0.74
NVNT	a	5200	Ant1	90.43	0.44	0.74
NVNT	a	5240	Ant1	89.89	0.46	0.74
NVNT	a	5745	Ant1	90.43	0.44	0.74
NVNT	a	5785	Ant1	90.43	0.44	0.74
NVNT	a	5825	Ant1	90.43	0.44	0.74
NVNT	n20	5180	Ant1	88.85	0.51	0.87
NVNT	n20	5200	Ant1	87.74	0.57	0.87
NVNT	n20	5240	Ant1	88.86	0.51	0.87
NVNT	n20	5745	Ant1	88.85	0.51	0.87
NVNT	n20	5785	Ant1	88.86	0.51	0.87
NVNT	n20	5825	Ant1	88.86	0.51	0.87
NVNT	n40	5190	Ant1	79.92	0.97	1.75
NVNT	n40	5230	Ant1	79.92	0.97	1.75
NVNT	n40	5755	Ant1	80.17	0.96	1.74
NVNT	n40	5795	Ant1	79.89	0.98	1.75
NVNT	ac20	5180	Ant1	88.92	0.51	0.87
NVNT	ac20	5200	Ant1	88.92	0.51	0.87
NVNT	ac20	5240	Ant1	88.92	0.51	0.87
NVNT	ac20	5745	Ant1	88.31	0.54	0.87
NVNT	ac20	5785	Ant1	87.71	0.57	0.87
NVNT	ac20	5825	Ant1	88.92	0.51	0.87
NVNT	ac40	5190	Ant1	80.12	0.96	1.72
NVNT	ac40	5230	Ant1	79.1	1.02	1.73
NVNT	ac40	5755	Ant1	80.11	0.96	1.72
NVNT	ac40	5795	Ant1	80.11	0.96	1.72
NVNT	ac80	5210	Ant1	66.67	1.76	3.47
NVNT	ac80	5775	Ant1	66.67	1.76	3.47

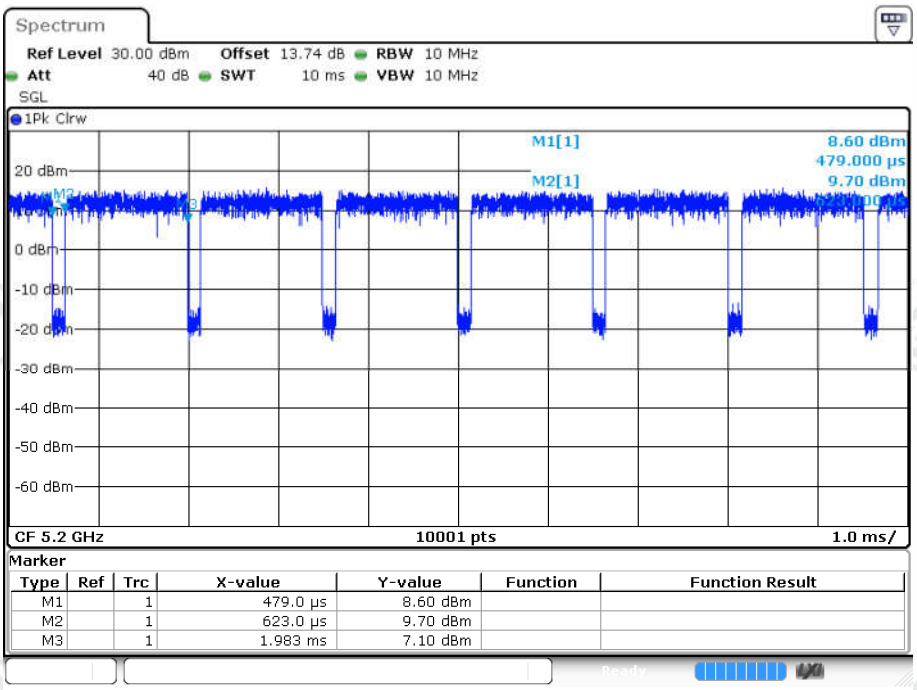
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1



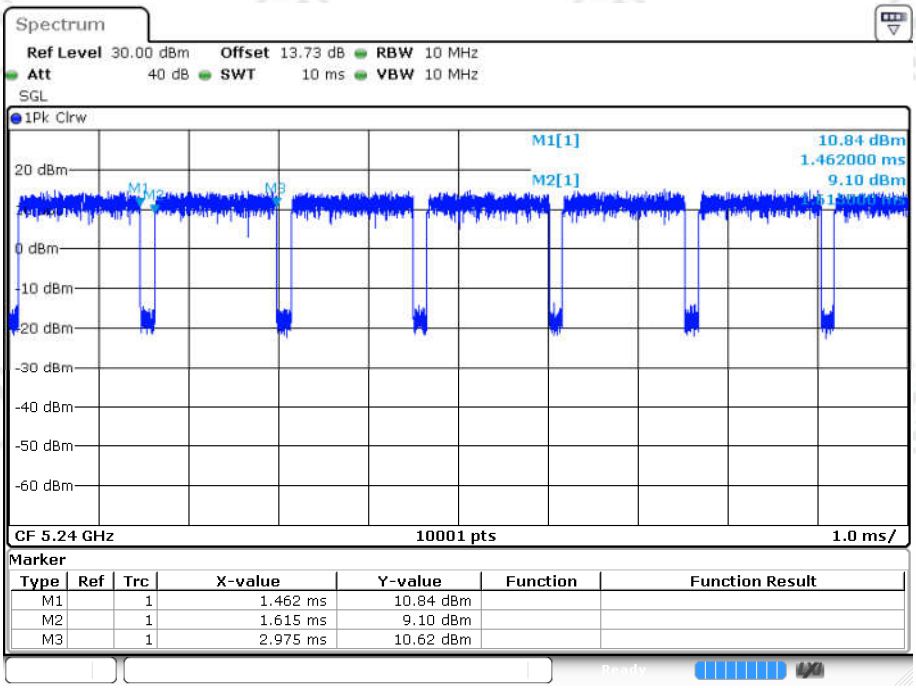
Date: 19.OCT.2023 13:25:46

Duty Cycle NVNT a 5200MHz Ant1



Date: 19.OCT.2023 13:28:00

Duty Cycle NVNT a 5240MHz Ant1



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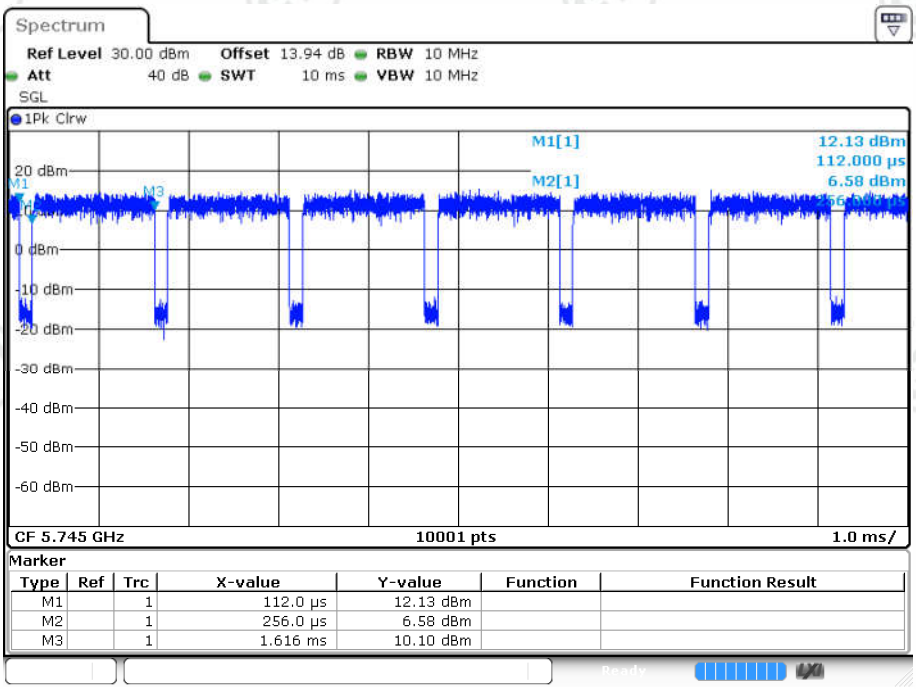
Duty Cycle NVNT a 5745MHz Ant1



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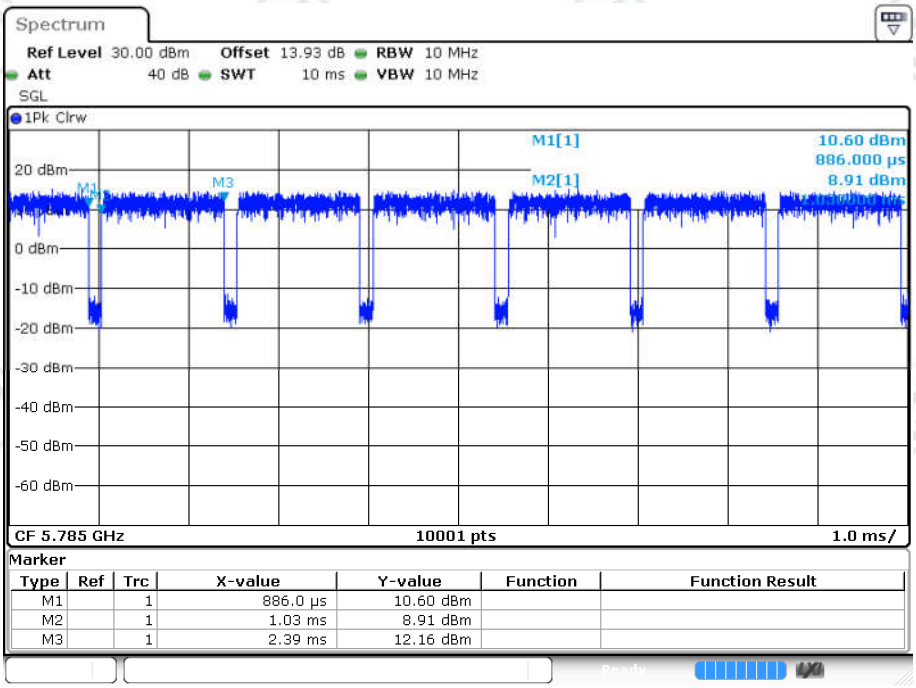
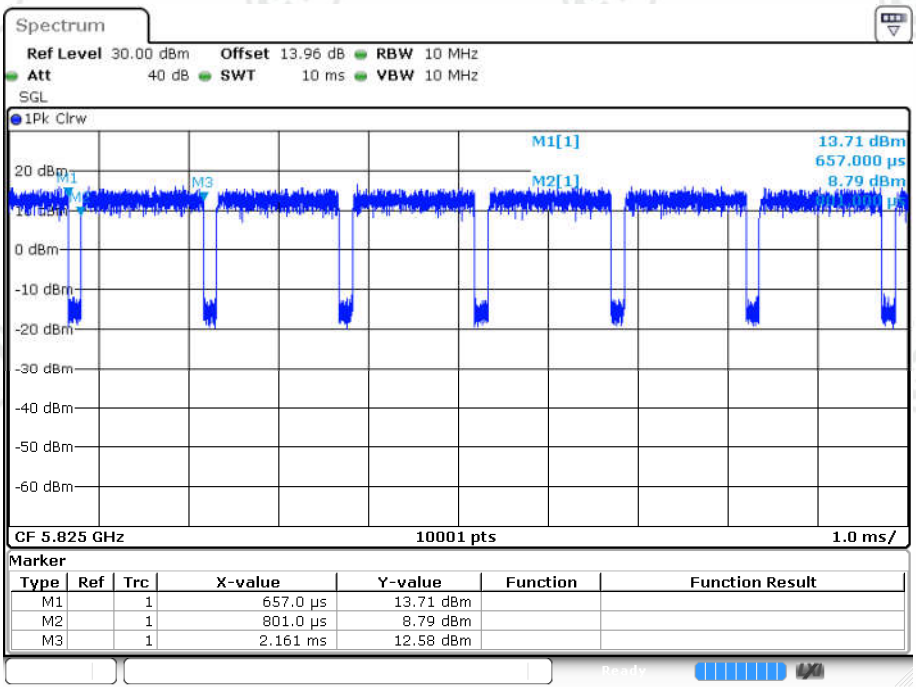
Duty Cycle NVNT a 5785MHz Ant1



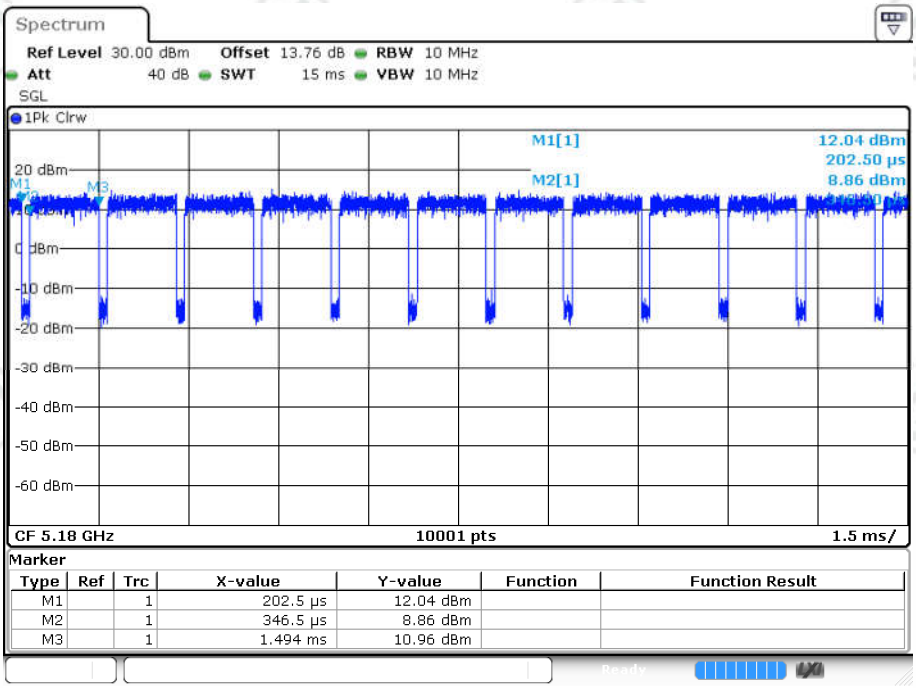
Date: 19.OCT.2023 13:36:13

Duty Cycle NVNT a 5825MHz Ant1



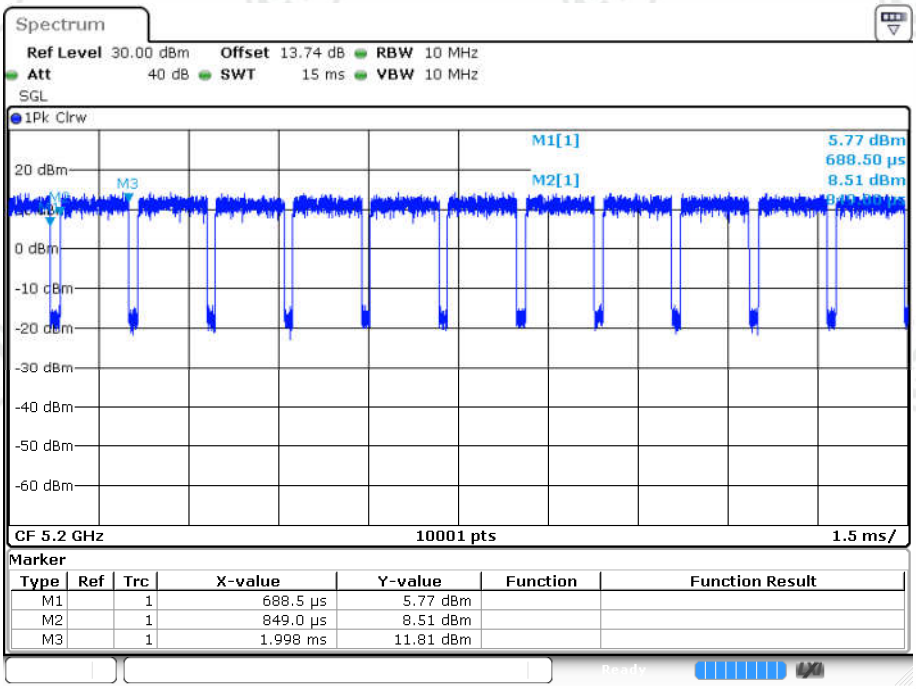
Date: 19.OCT.2023 13:43:08

Duty Cycle NVNT n20 5180MHz Ant1



Date: 19.OCT.2023 13:45:28

Duty Cycle NVNT n20 5200MHz Ant1



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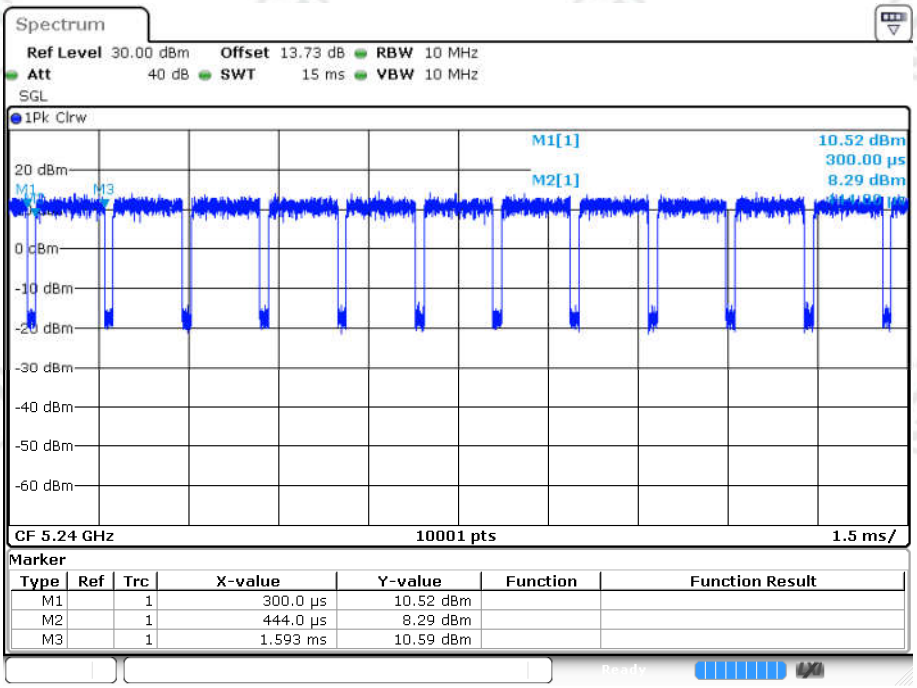
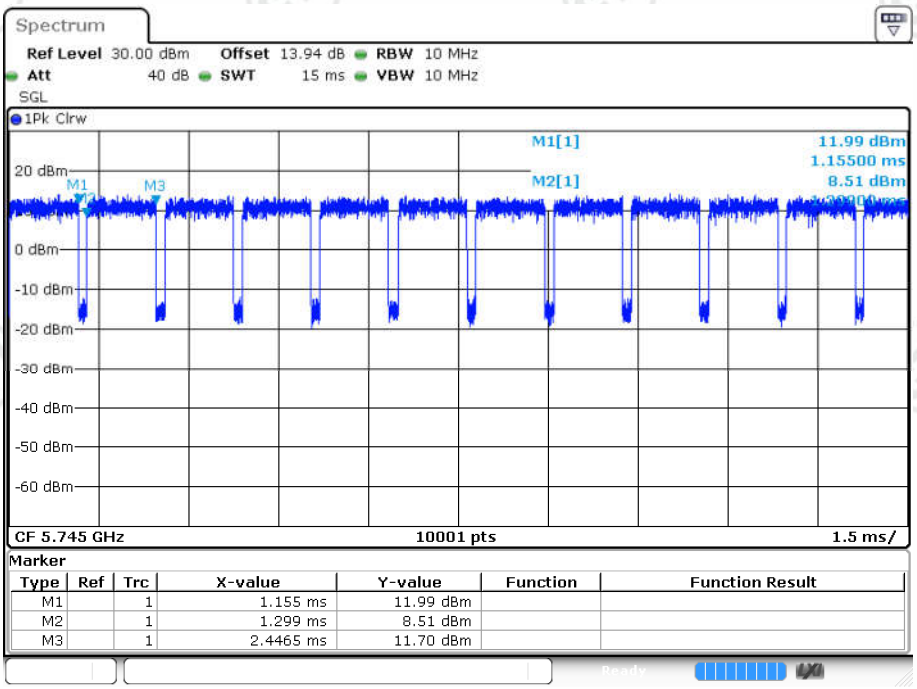
Duty Cycle NVNT n20 5240MHz Ant1



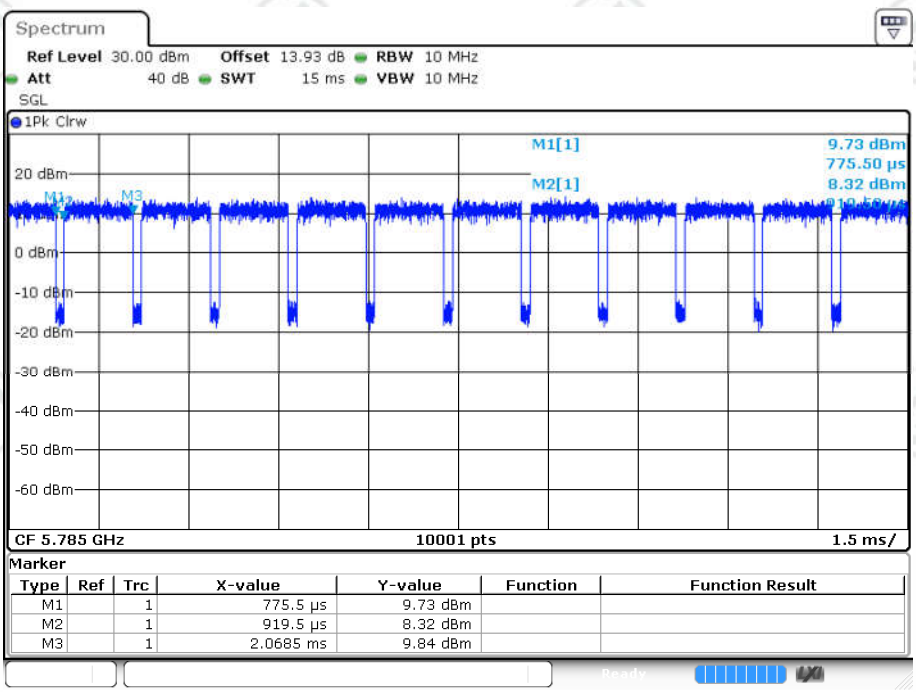
Date: 19.OCT.2023 13:48:44

Duty Cycle NVNT n20 5745MHz Ant1



Date: 19.OCT.2023 13:52:16

Duty Cycle NVNT n20 5785MHz Ant1



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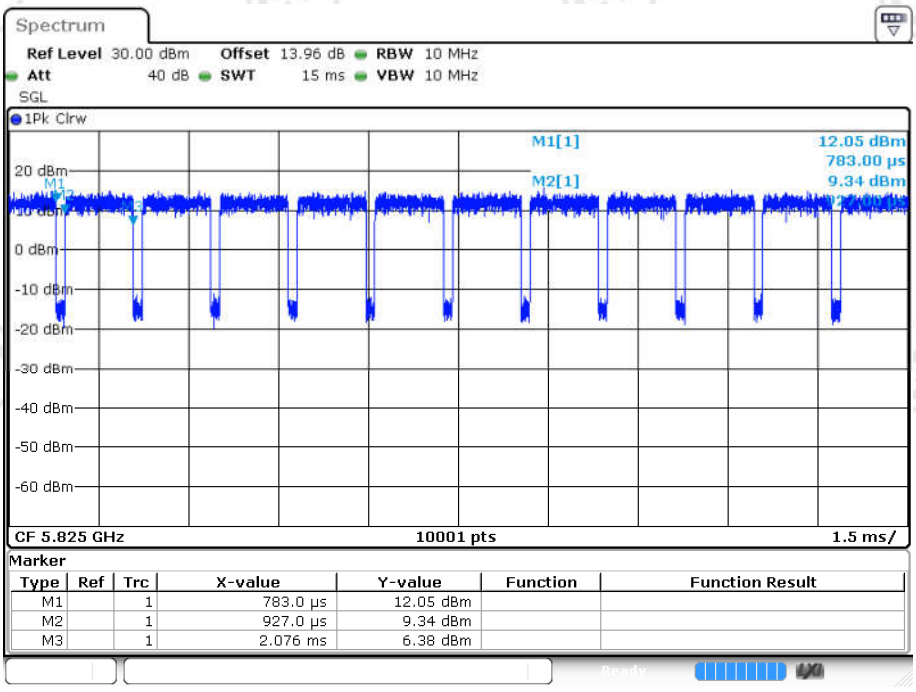
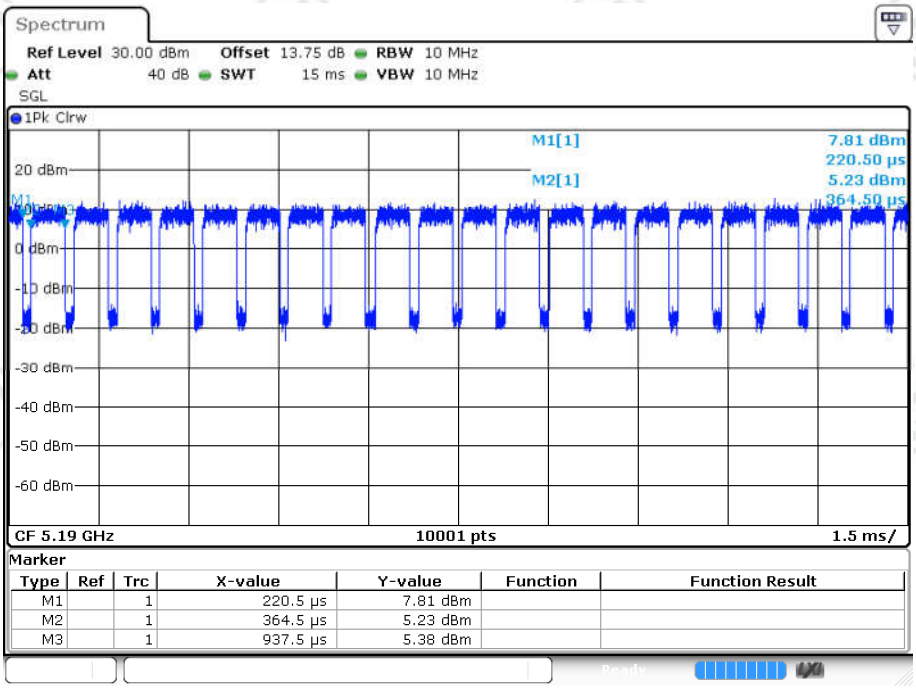
Duty Cycle NVNT n20 5825MHz Ant1



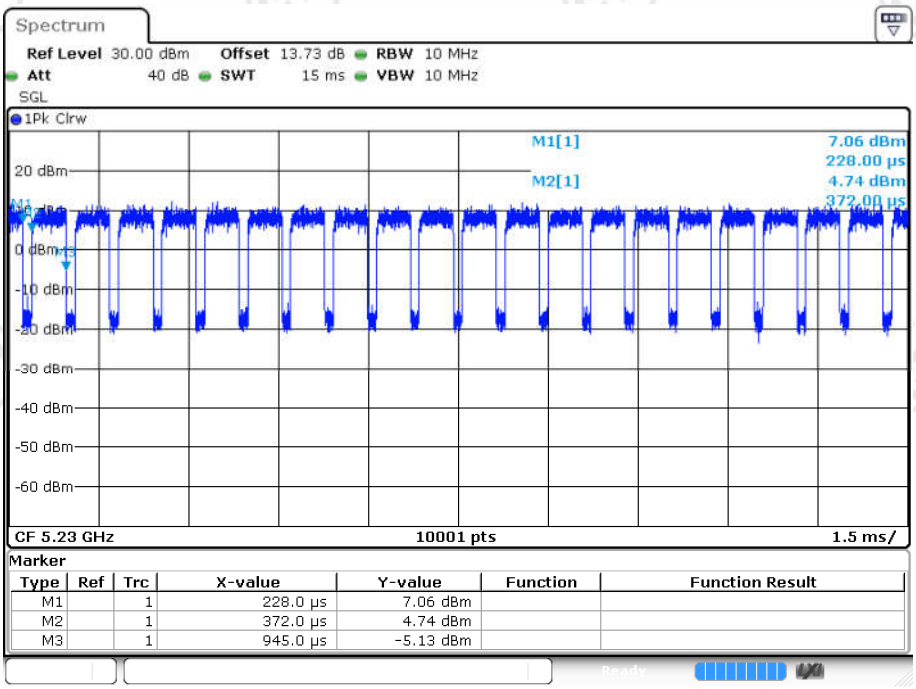
Date: 19.OCT.2023 13:56:39

Duty Cycle NVNT n40 5190MHz Ant1



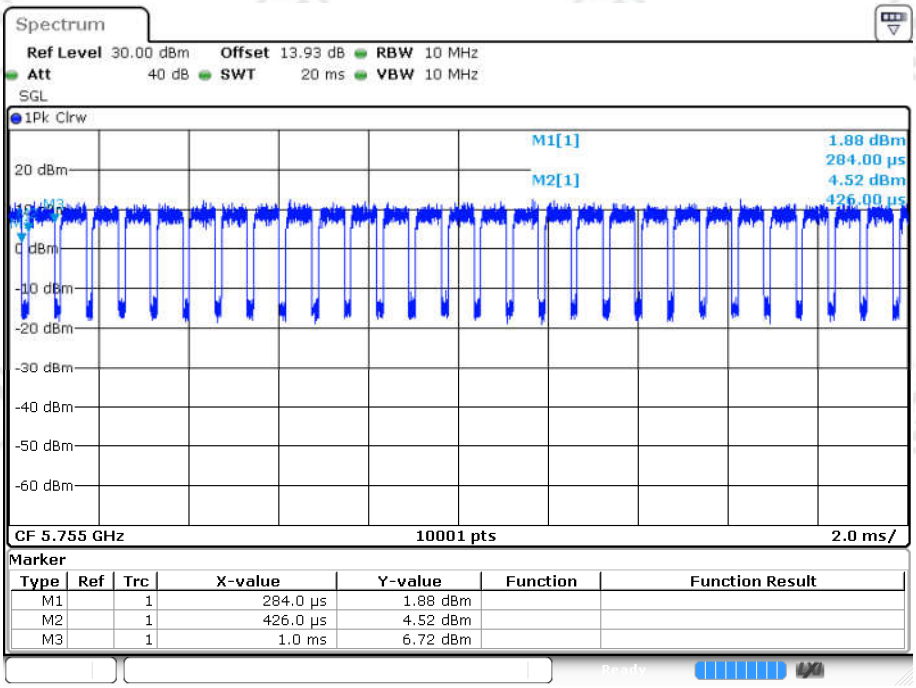
Date: 19.OCT.2023 14:03:59

Duty Cycle NVNT n40 5230MHz Ant1



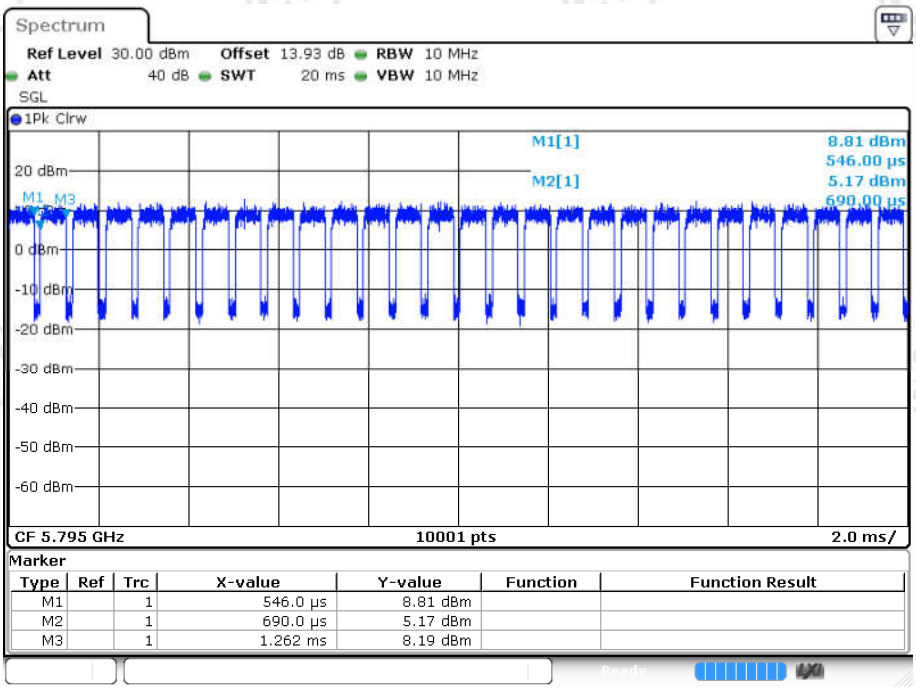
Date: 19.OCT.2023 14:06:05

Duty Cycle NVNT n40 5755MHz Ant1



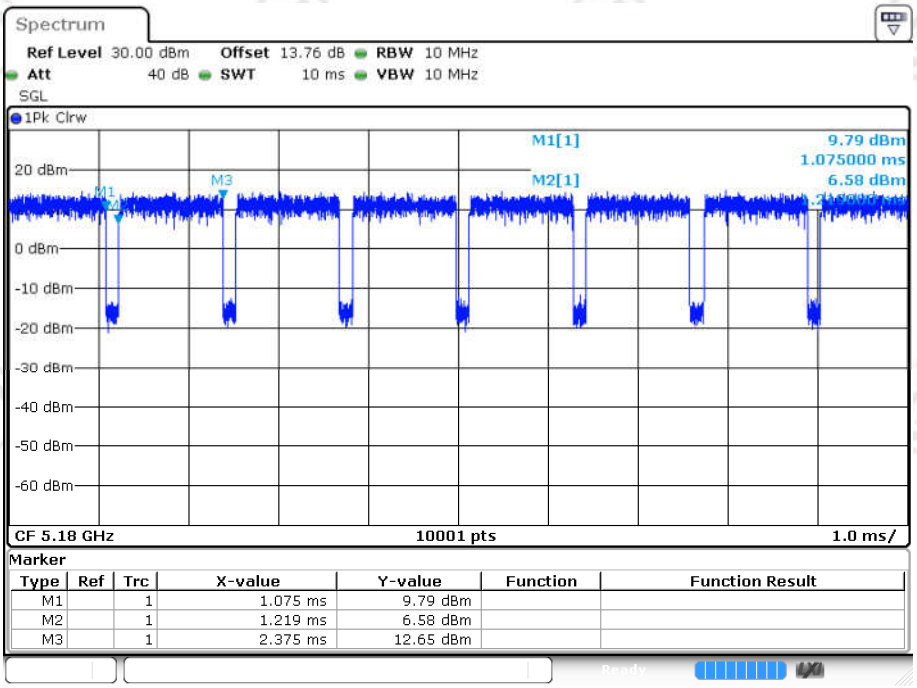
Date: 19.OCT.2023 14:08:31

Duty Cycle NVNT n40 5795MHz Ant1



Date: 19.OCT.2023 14:10:26

Duty Cycle NVNT ac20 5180MHz Ant1

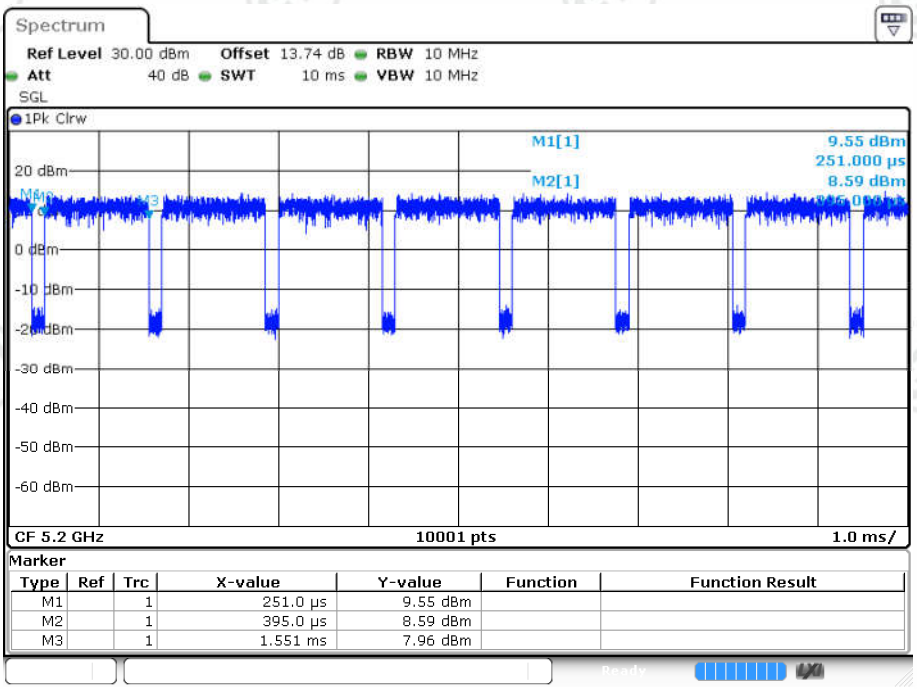


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.075 ms	9.79 dBm		
M2		1	1.219 ms	6.58 dBm		
M3		1	2.375 ms	12.65 dBm		

Date: 19.OCT.2023 14:12:58

Duty Cycle NVNT ac20 5200MHz Ant1

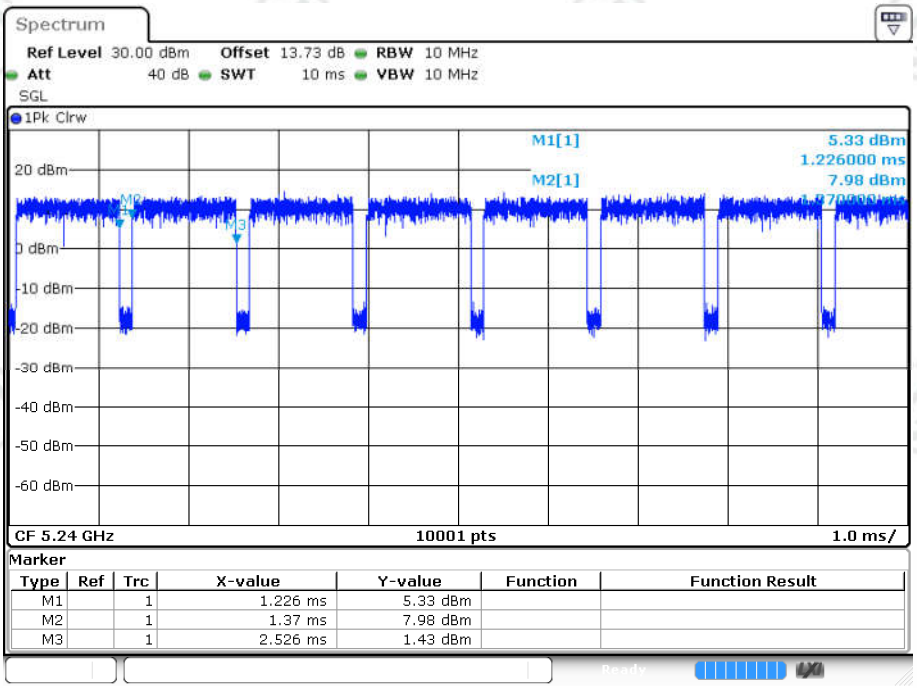


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	251.0 µs	9.55 dBm		
M2		1	395.0 µs	8.59 dBm		
M3		1	1.551 ms	7.96 dBm		

Date: 19.OCT.2023 14:15:14

Duty Cycle NVNT ac20 5240MHz Ant1

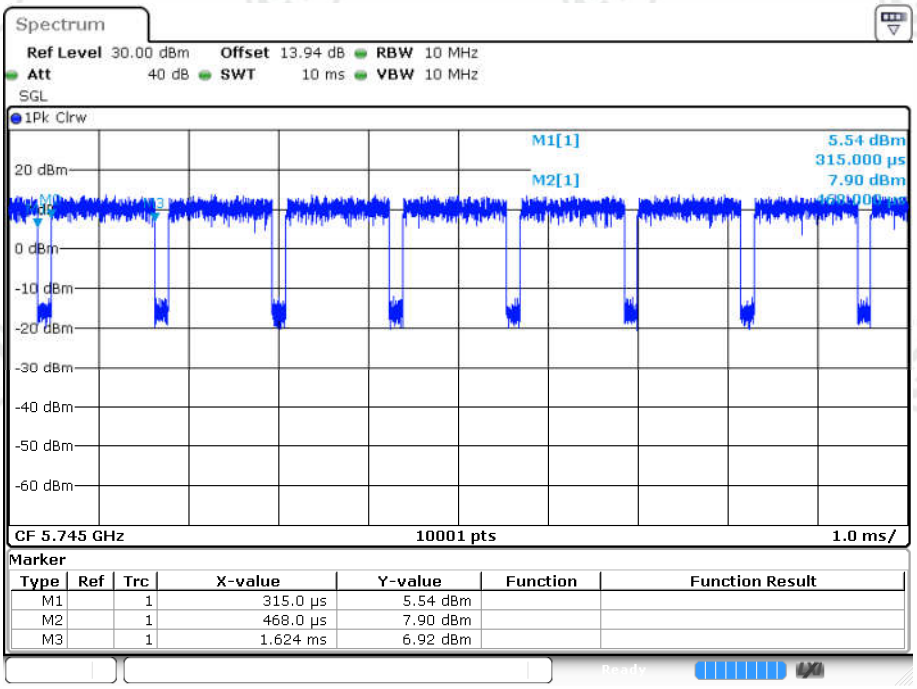


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.226 ms	5.33 dBm		
M2		1	1.37 ms	7.98 dBm		
M3		1	2.526 ms	1.43 dBm		

Date: 19.OCT.2023 14:17:00

Duty Cycle NVNT ac20 5745MHz Ant1

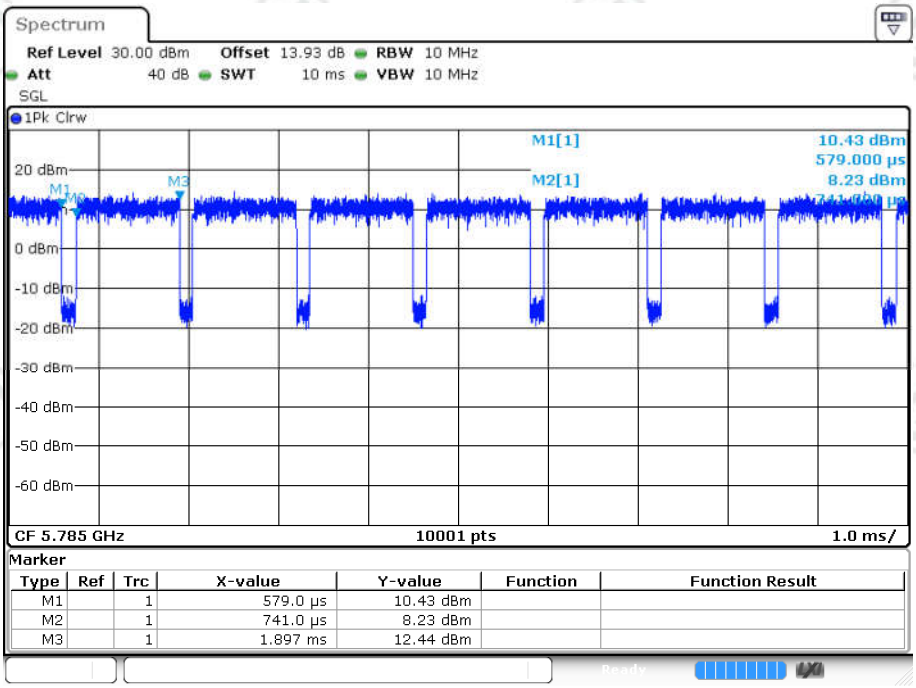


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	315.0 µs	5.54 dBm		
M2		1	468.0 µs	7.90 dBm		
M3		1	1.624 ms	6.92 dBm		

Date: 19.OCT.2023 14:19:08

Duty Cycle NVNT ac20 5785MHz Ant1



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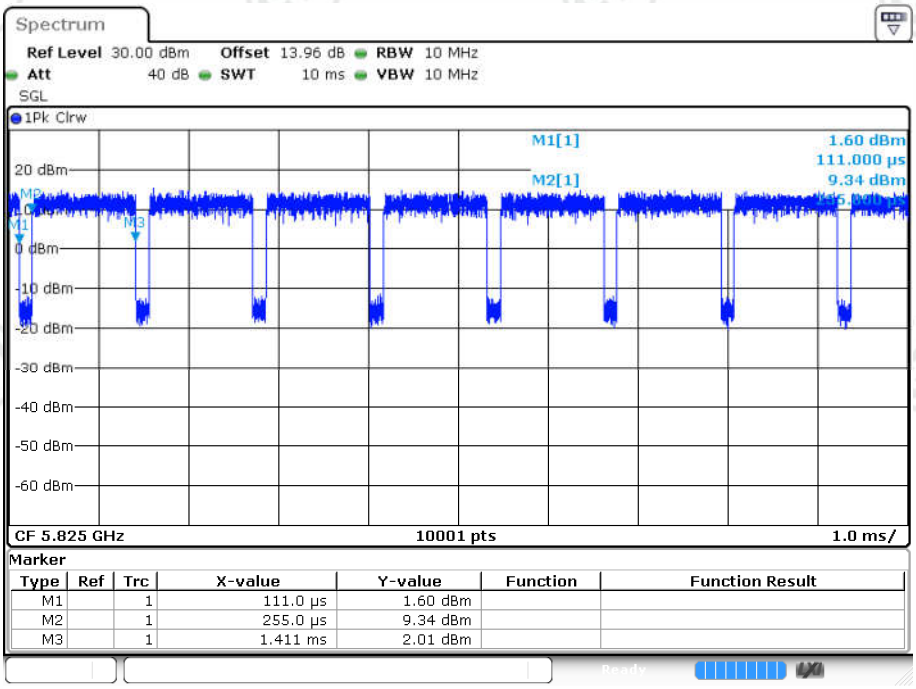
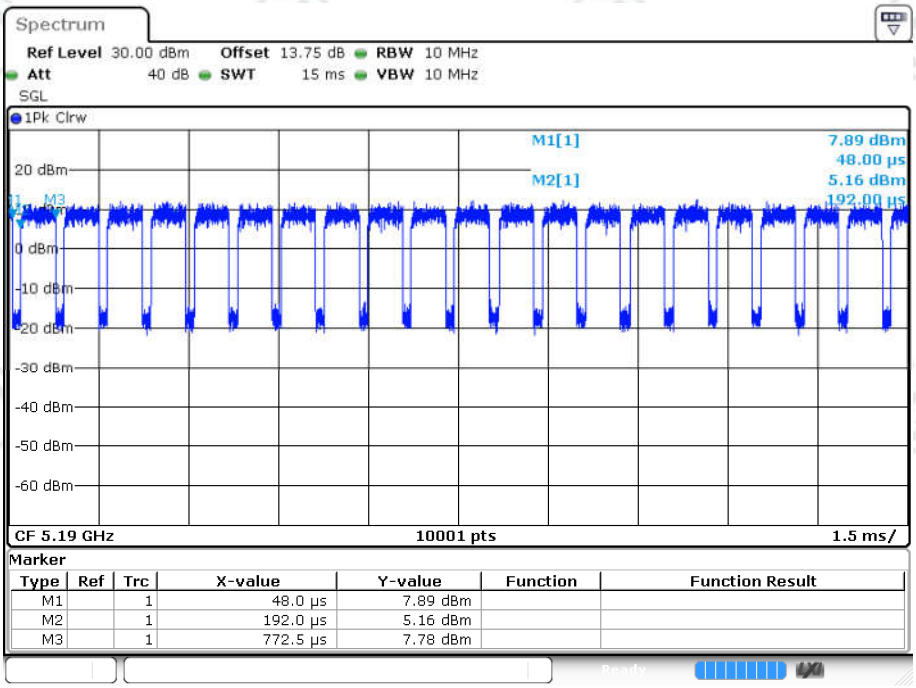
Duty Cycle NVNT ac20 5825MHz Ant1



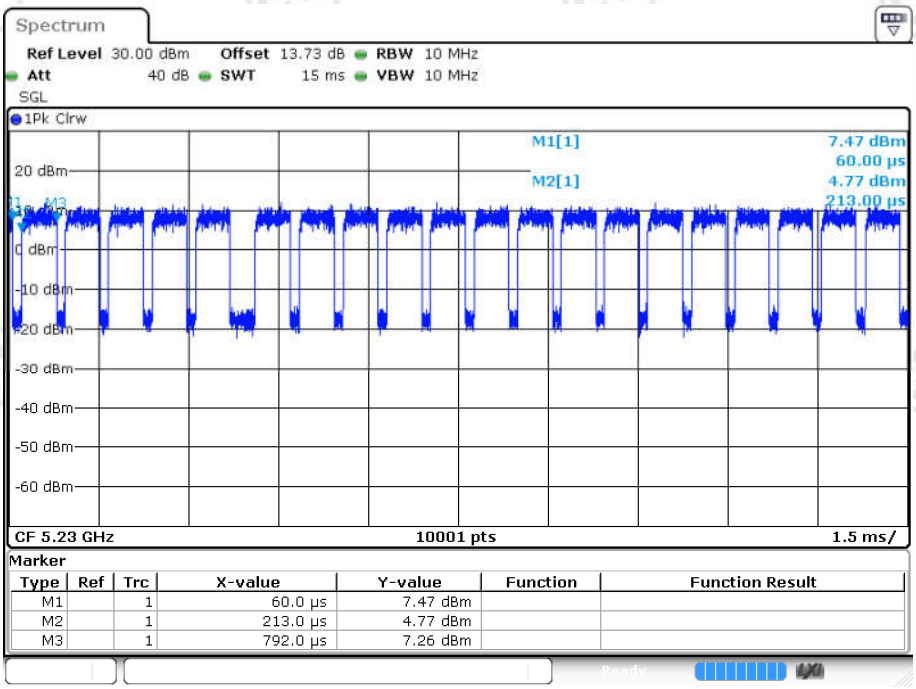
Date: 19.OCT.2023 14:23:19

Duty Cycle NVNT ac40 5190MHz Ant1



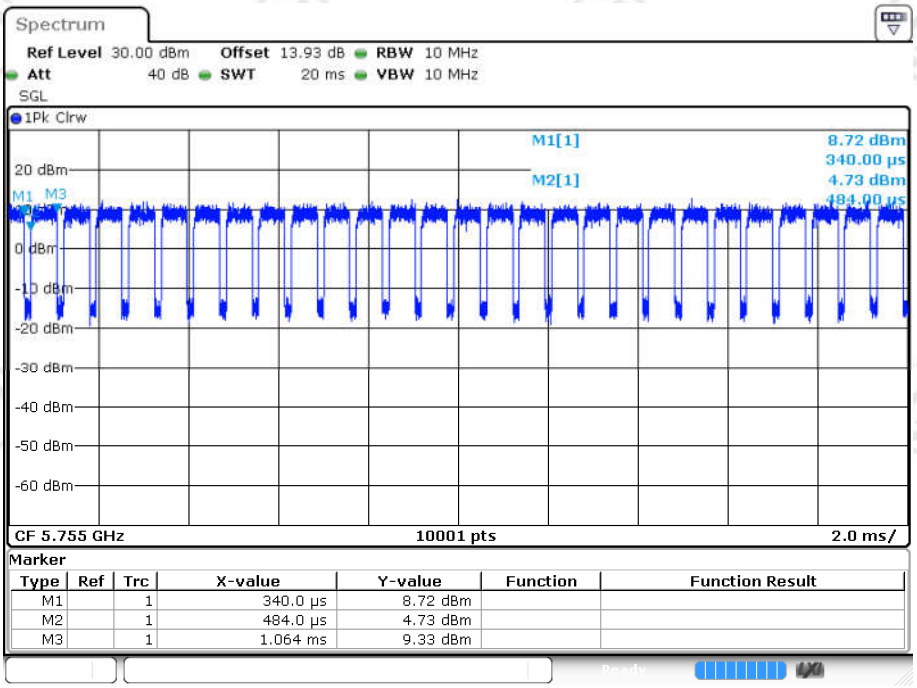
Date: 19.OCT.2023 14:26:20

Duty Cycle NVNT ac40 5230MHz Ant1



Date: 19.OCT.2023 14:30:04

Duty Cycle NVNT ac40 5755MHz Ant1

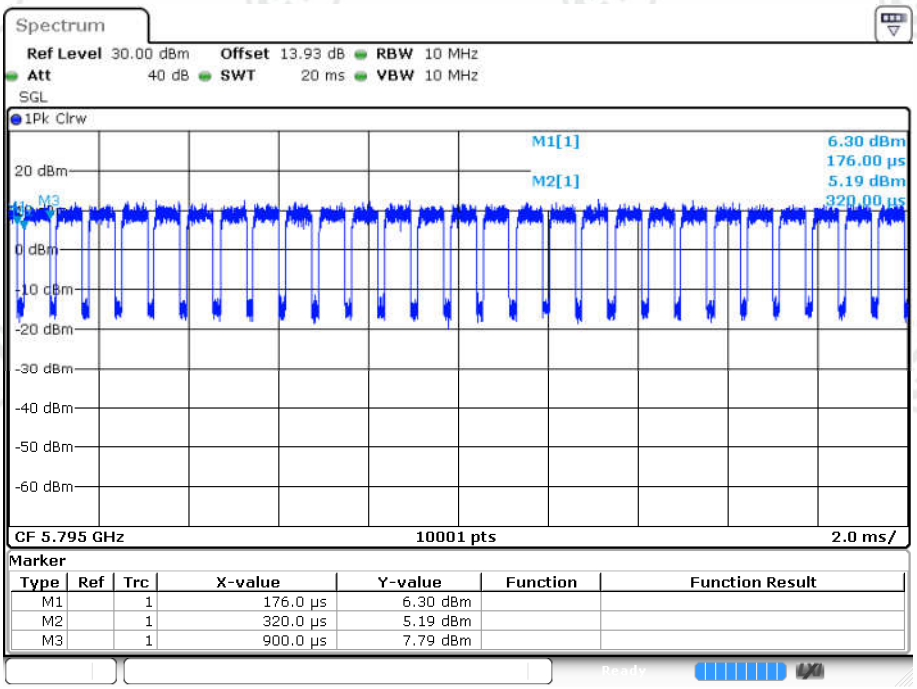


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	340.0 µs	8.72 dBm		
M2		1	484.0 µs	4.73 dBm		
M3		1	1.064 ms	9.33 dBm		

Date: 19.OCT.2023 14:35:00

Duty Cycle NVNT ac40 5795MHz Ant1

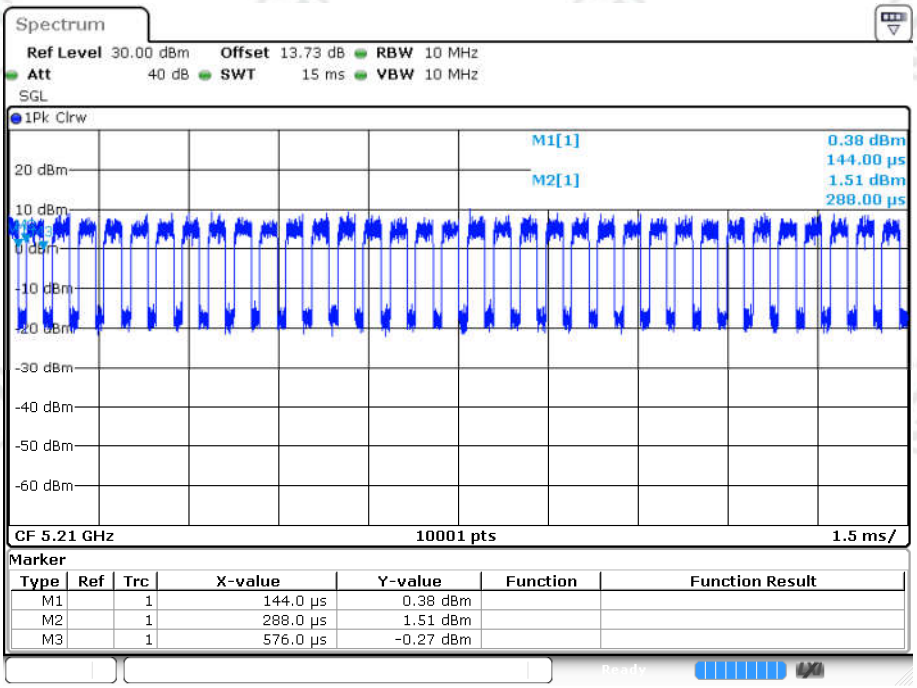


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	176.0 µs	6.30 dBm		
M2		1	320.0 µs	5.19 dBm		
M3		1	900.0 µs	7.79 dBm		

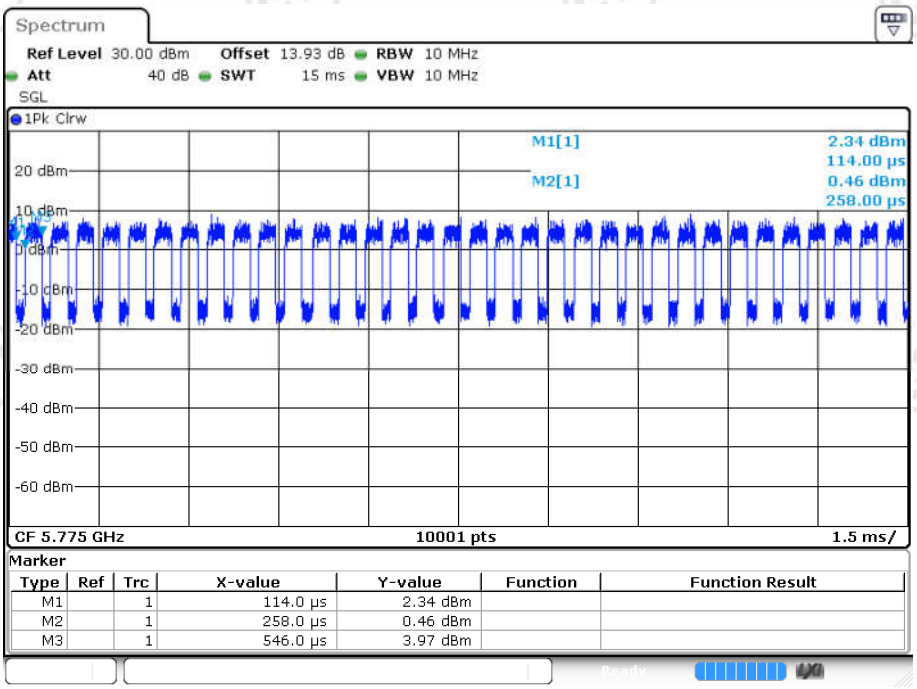
Date: 19.OCT.2023 14:38:18

Duty Cycle NVNT ac80 5210MHz Ant1



Date: 19.OCT.2023 14:40:21

Duty Cycle NVNT ac80 5775MHz Ant1



Date: 19.OCT.2023 14:42:49

Maximum Conducted Output Power

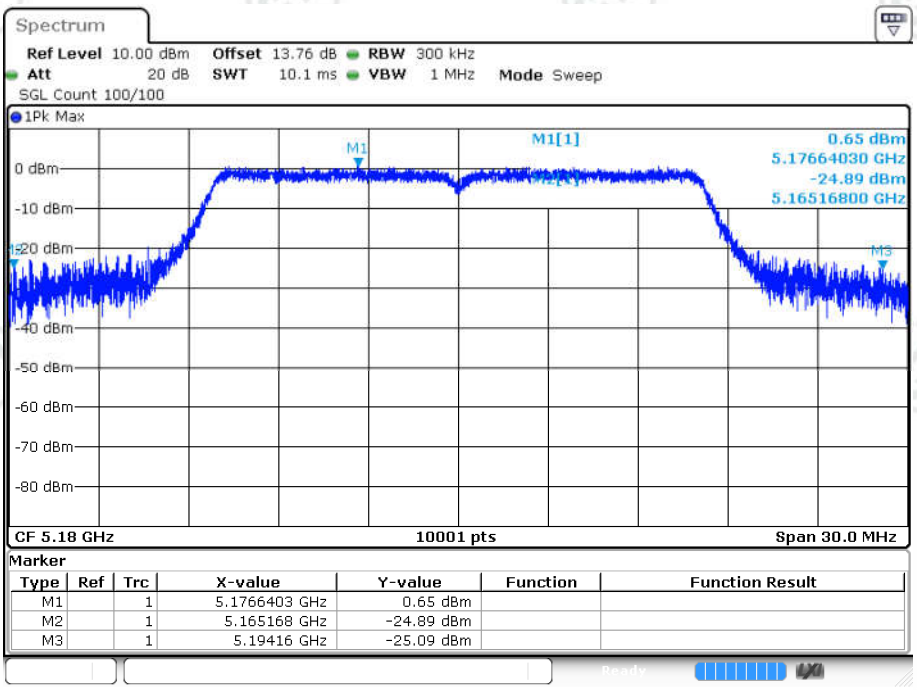
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.48	24	Pass
NVNT	a	5200	Ant1	10.17	24	Pass
NVNT	a	5240	Ant1	10.12	24	Pass
NVNT	a	5745	Ant1	10.07	30	Pass
NVNT	a	5785	Ant1	10.07	30	Pass
NVNT	a	5825	Ant1	10.92	30	Pass
NVNT	n20	5180	Ant1	9.55	24	Pass
NVNT	n20	5200	Ant1	9.24	24	Pass
NVNT	n20	5240	Ant1	9.15	24	Pass
NVNT	n20	5745	Ant1	9.2	30	Pass
NVNT	n20	5785	Ant1	9.14	30	Pass
NVNT	n20	5825	Ant1	9.93	30	Pass
NVNT	n40	5190	Ant1	9.79	24	Pass
NVNT	n40	5230	Ant1	9.65	24	Pass
NVNT	n40	5755	Ant1	9.63	30	Pass
NVNT	n40	5795	Ant1	9.34	30	Pass
NVNT	ac20	5180	Ant1	9.66	24	Pass
NVNT	ac20	5200	Ant1	9.32	24	Pass
NVNT	ac20	5240	Ant1	9.14	24	Pass
NVNT	ac20	5745	Ant1	9.22	30	Pass
NVNT	ac20	5785	Ant1	9.15	30	Pass
NVNT	ac20	5825	Ant1	9.96	30	Pass
NVNT	ac40	5190	Ant1	9.85	24	Pass
NVNT	ac40	5230	Ant1	9.68	24	Pass
NVNT	ac40	5755	Ant1	9.69	30	Pass
NVNT	ac40	5795	Ant1	9.38	30	Pass
NVNT	ac80	5210	Ant1	9.78	24	Pass
NVNT	ac80	5775	Ant1	9.14	30	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	28.992	0.5	Pass
NVNT	a	5200	Ant1	28.815	0.5	Pass
NVNT	a	5240	Ant1	28.278	0.5	Pass
NVNT	n20	5180	Ant1	29.361	0.5	Pass
NVNT	n20	5200	Ant1	28.137	0.5	Pass
NVNT	n20	5240	Ant1	29.385	0.5	Pass
NVNT	n40	5190	Ant1	50.64	0.5	Pass
NVNT	n40	5230	Ant1	49.632	0.5	Pass
NVNT	ac20	5180	Ant1	29.49	0.5	Pass
NVNT	ac20	5200	Ant1	28.833	0.5	Pass
NVNT	ac20	5240	Ant1	28.995	0.5	Pass
NVNT	ac40	5190	Ant1	53.1	0.5	Pass
NVNT	ac40	5230	Ant1	52.974	0.5	Pass
NVNT	ac80	5210	Ant1	80.928	0.5	Pass

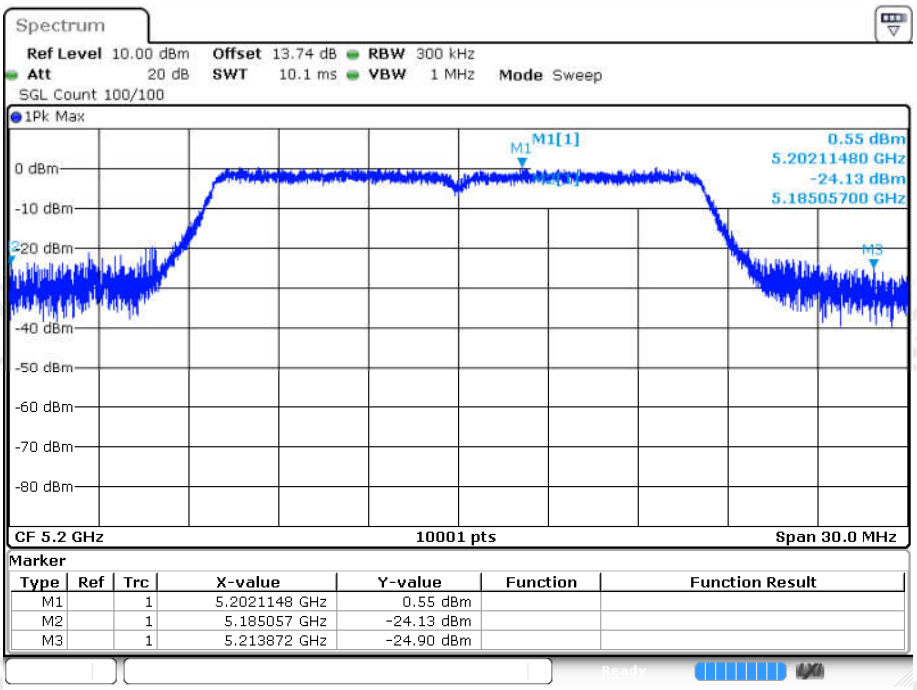
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



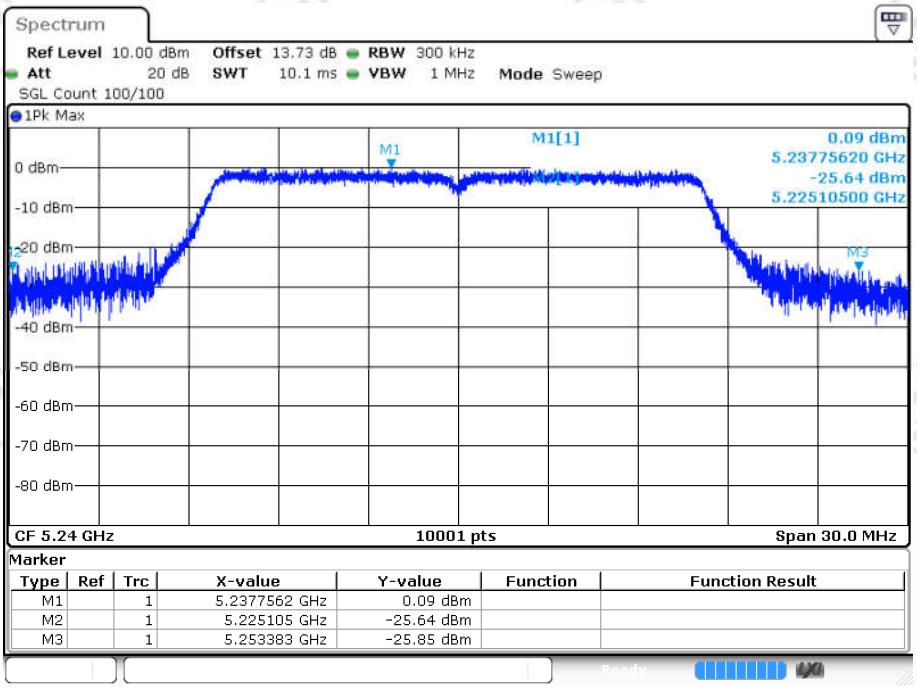
Date: 19.OCT.2023 13:25:59

-26dB Bandwidth NVNT a 5200MHz Ant1



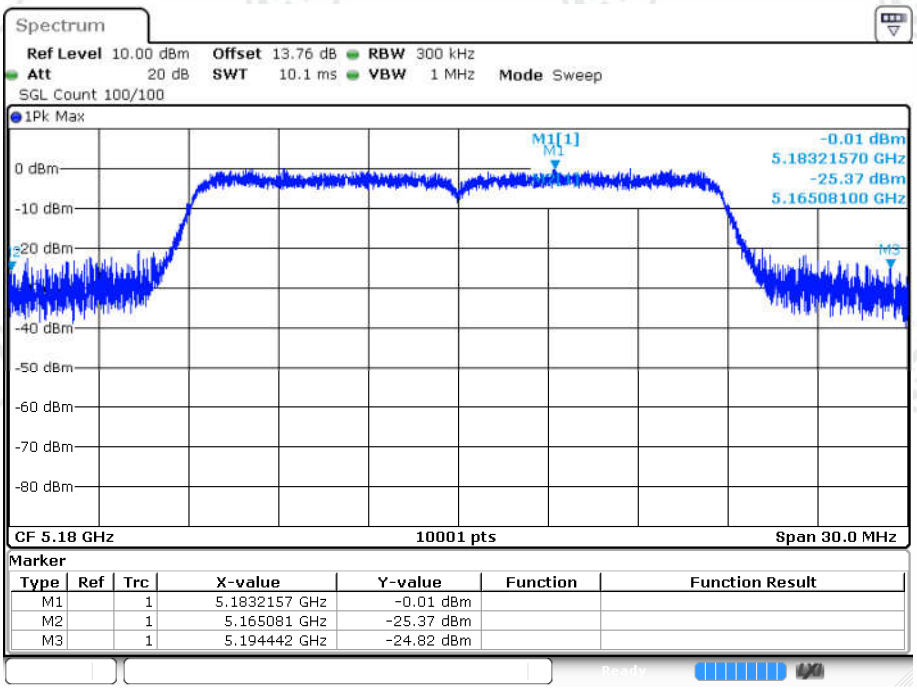
Date: 19.OCT.2023 13:28:12

-26dB Bandwidth NVNT a 5240MHz Ant1



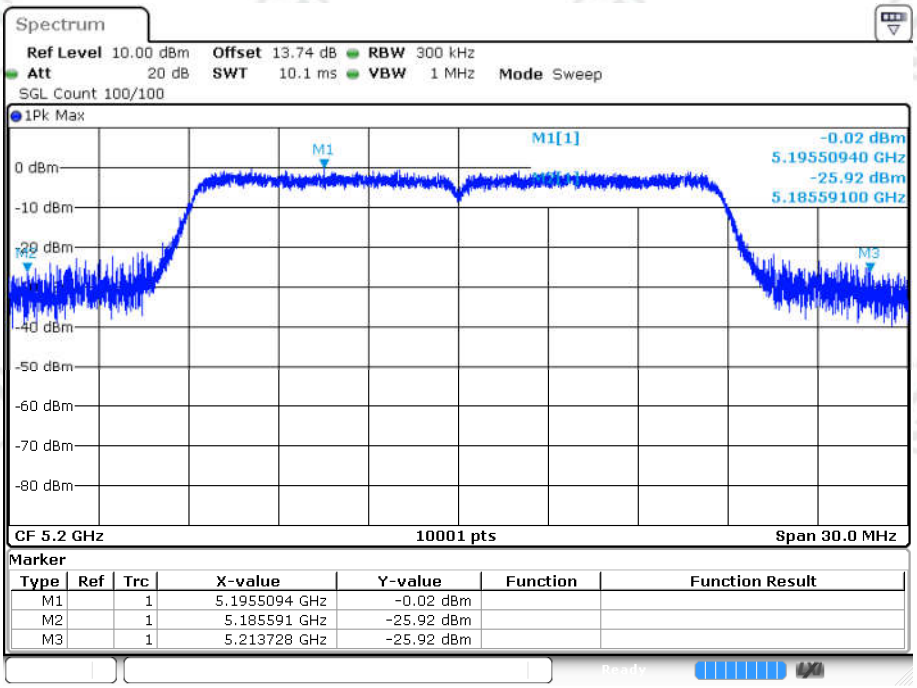
Date: 19.OCT.2023 13:29:41

-26dB Bandwidth NVNT n20 5180MHz Ant1



Date: 19.OCT.2023 13:45:40

-26dB Bandwidth NVNT n20 5200MHz Ant1



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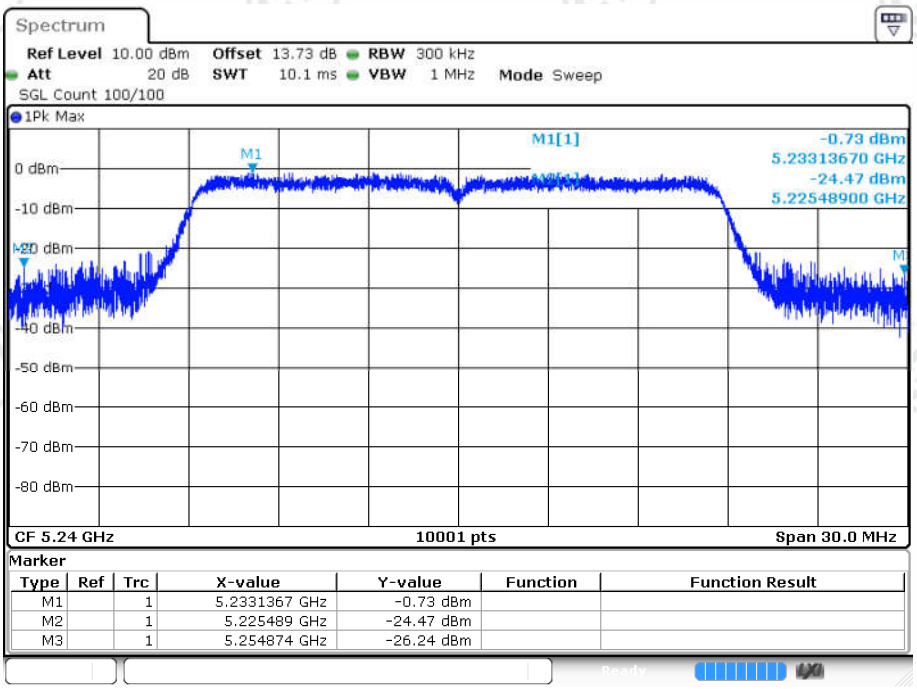
-26dB Bandwidth NVNT n20 5240MHz Ant1



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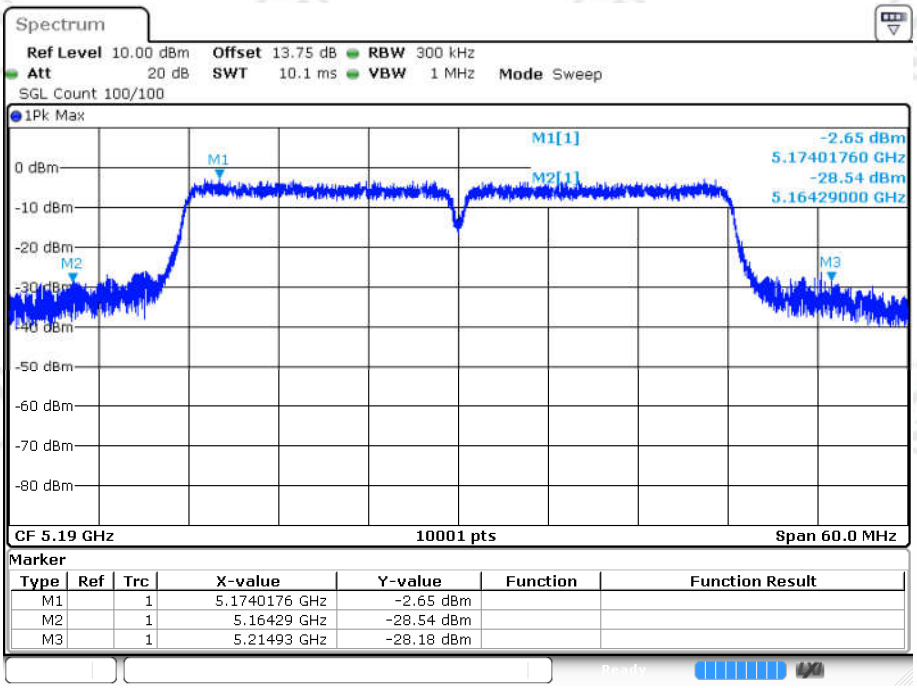
-26dB Bandwidth NVNT n40 5190MHz Ant1



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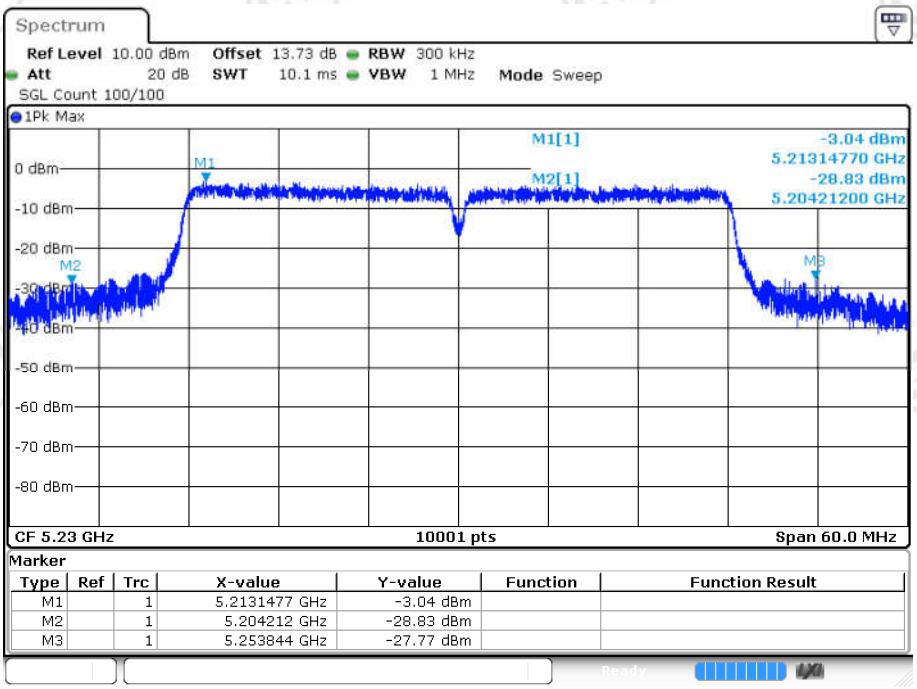
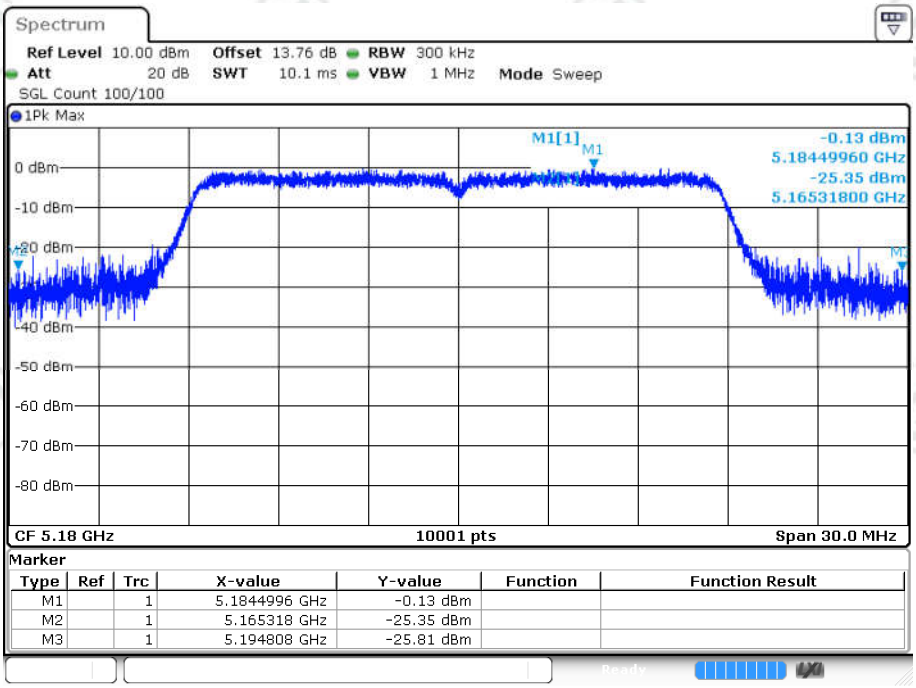
-26dB Bandwidth NVNT n40 5230MHz Ant1



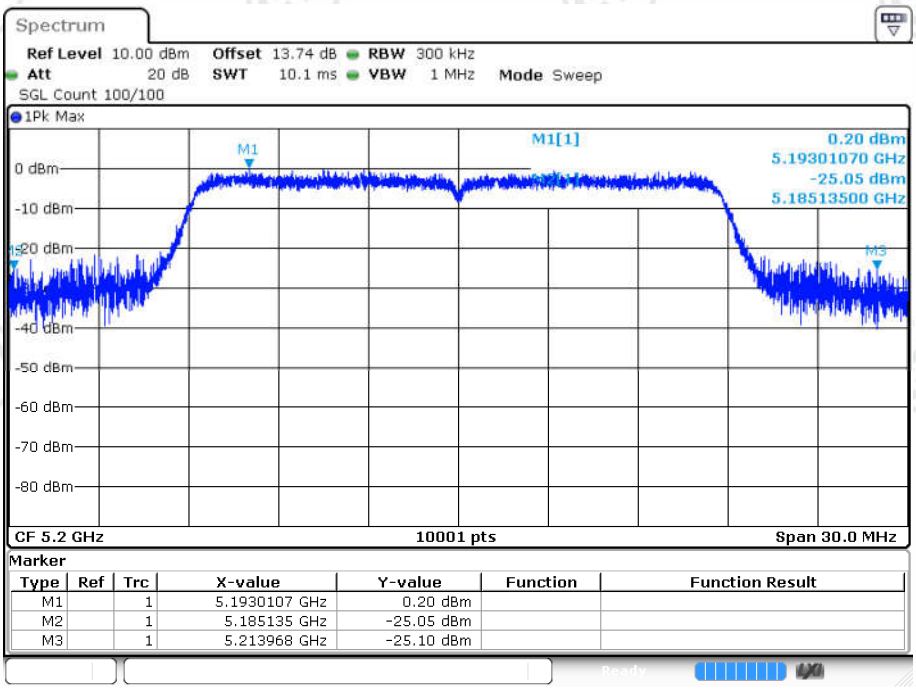
Date: 19.OCT.2023 14:06:16

-26dB Bandwidth NVNT ac20 5180MHz Ant1



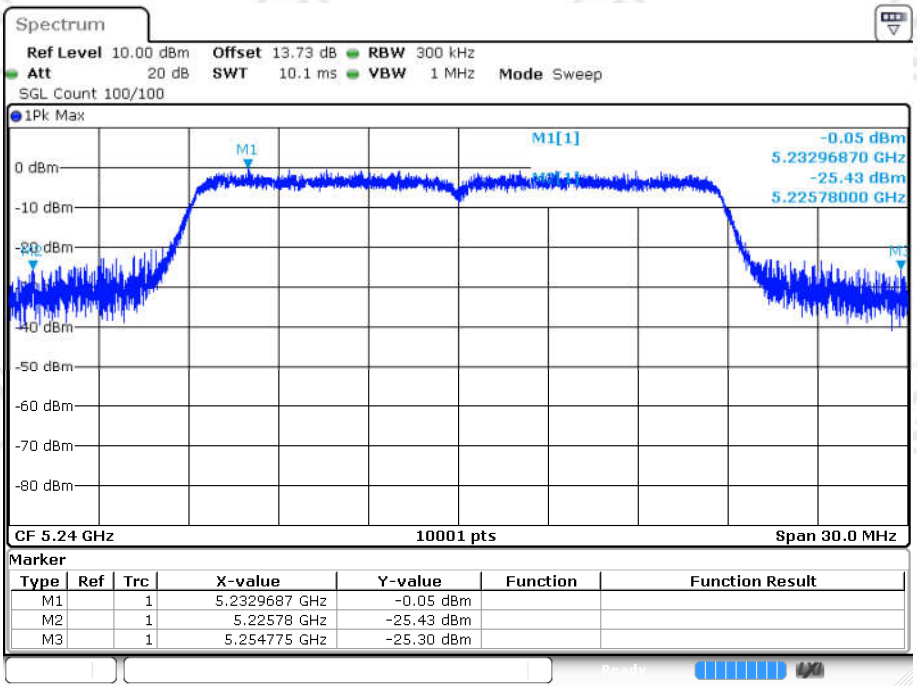
Date: 19.OCT.2023 14:13:11

-26dB Bandwidth NVNT ac20 5200MHz Ant1



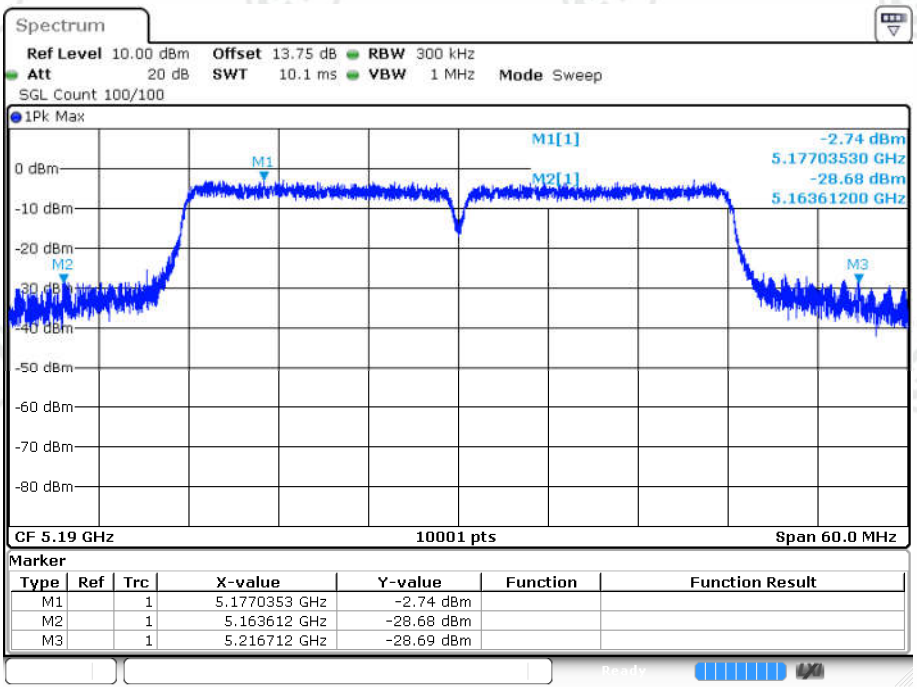
Date: 19.OCT.2023 14:15:26

-26dB Bandwidth NVNT ac20 5240MHz Ant1



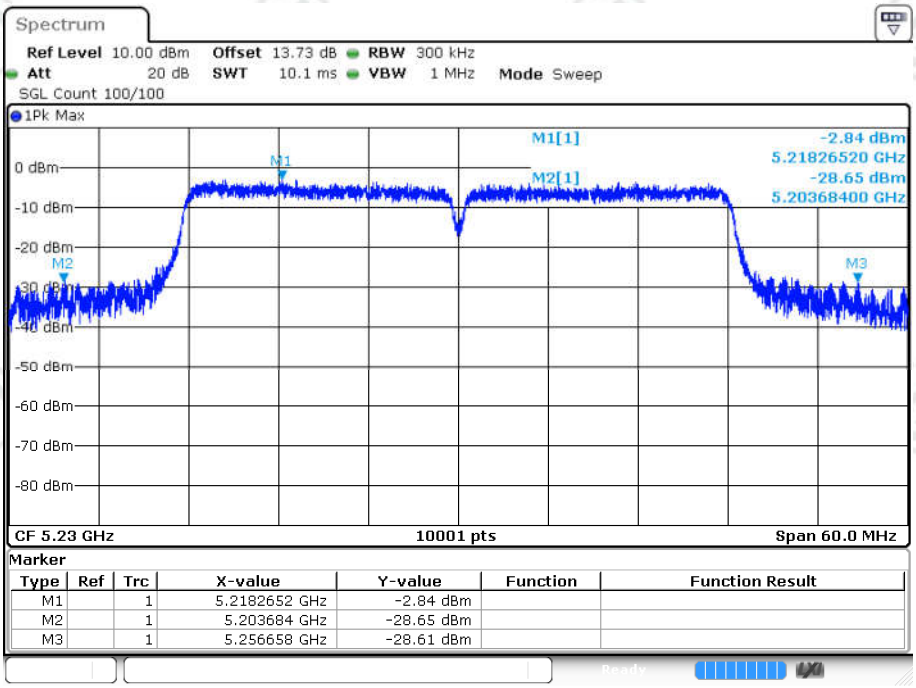
Date: 19.OCT.2023 14:17:12

-26dB Bandwidth NVNT ac40 5190MHz Ant1



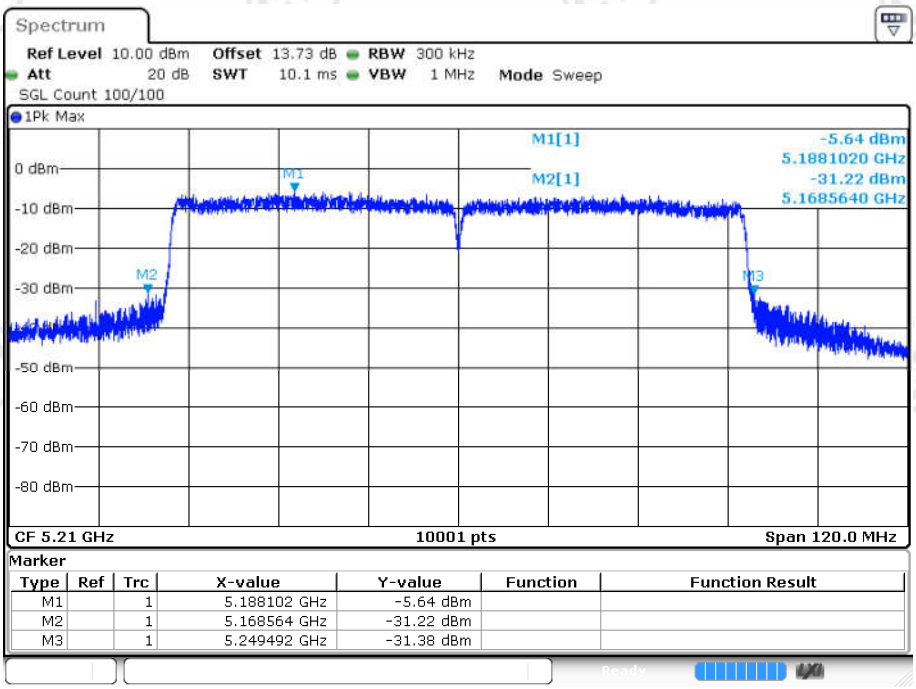
Date: 19.OCT.2023 14:26:32

-26dB Bandwidth NVNT ac40 5230MHz Ant1



Date: 19.OCT.2023 14:30:16

-26dB Bandwidth NVNT ac80 5210MHz Ant1

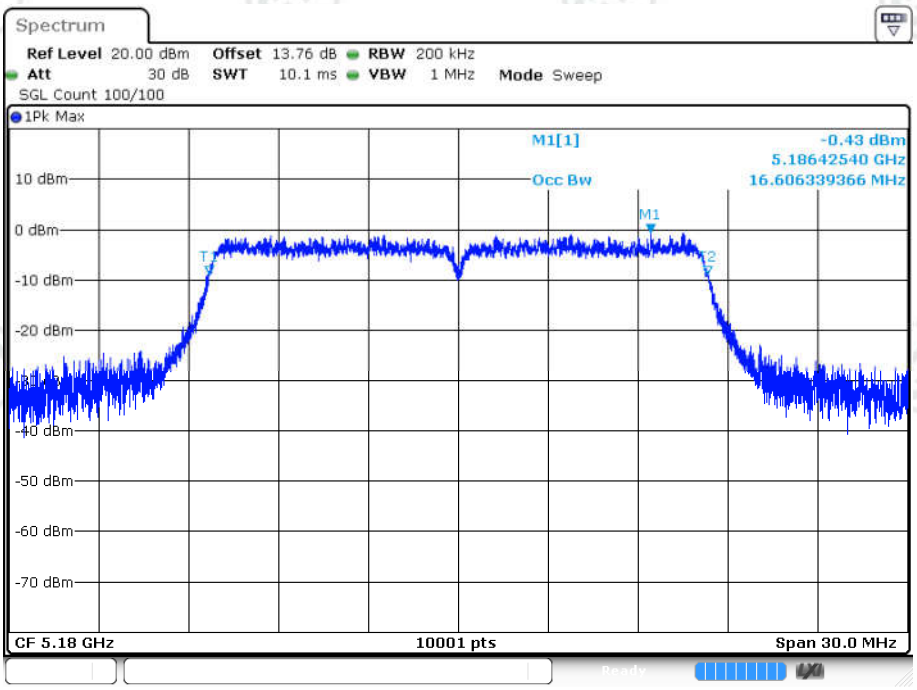


Date: 19.OCT.2023 14:40:33

Occupied Channel Bandwidth

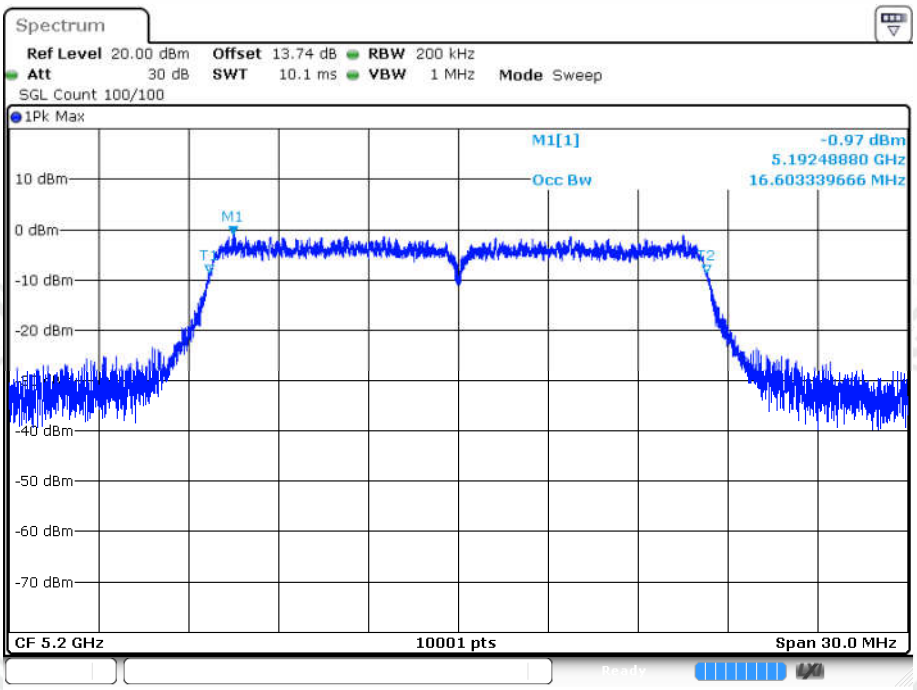
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.606
NVNT	a	5200	Ant1	16.603
NVNT	a	5240	Ant1	16.594
NVNT	a	5745	Ant1	16.597
NVNT	a	5785	Ant1	16.6
NVNT	a	5825	Ant1	16.609
NVNT	n20	5180	Ant1	17.632
NVNT	n20	5200	Ant1	17.641
NVNT	n20	5240	Ant1	17.626
NVNT	n20	5745	Ant1	17.614
NVNT	n20	5785	Ant1	17.617
NVNT	n20	5825	Ant1	17.635
NVNT	n40	5190	Ant1	36.404
NVNT	n40	5230	Ant1	36.41
NVNT	n40	5755	Ant1	36.218
NVNT	n40	5795	Ant1	36.2
NVNT	ac20	5180	Ant1	17.641
NVNT	ac20	5200	Ant1	17.641
NVNT	ac20	5240	Ant1	17.635
NVNT	ac20	5745	Ant1	17.614
NVNT	ac20	5785	Ant1	17.617
NVNT	ac20	5825	Ant1	17.632
NVNT	ac40	5190	Ant1	36.416
NVNT	ac40	5230	Ant1	36.374
NVNT	ac40	5755	Ant1	36.194
NVNT	ac40	5795	Ant1	36.194
NVNT	ac80	5210	Ant1	75.628
NVNT	ac80	5775	Ant1	75.616

Test Graphs
OBW NVNT a 5180MHz Ant1



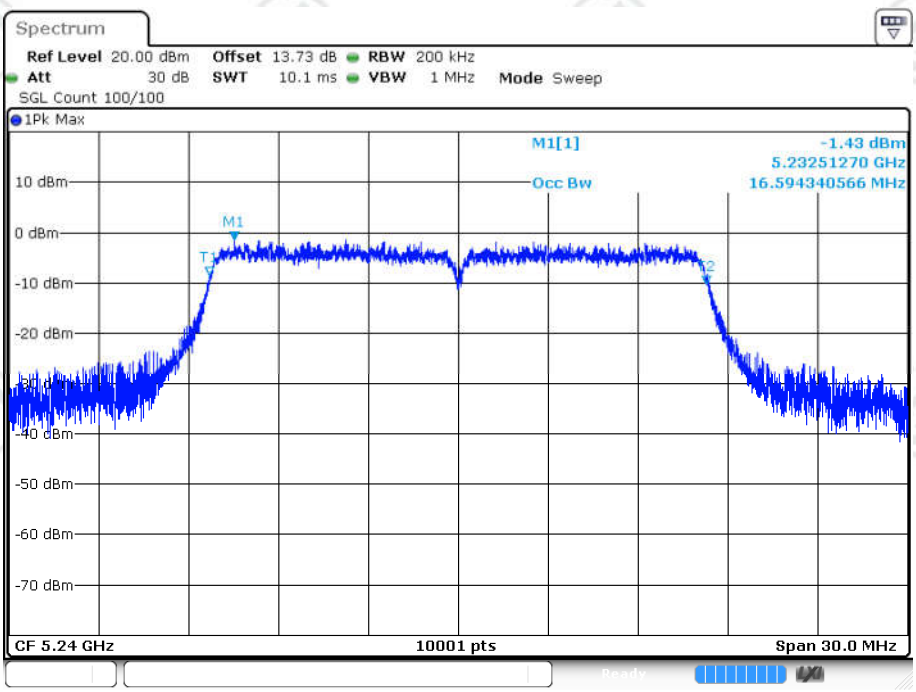
Date: 19.OCT.2023 13:25:53

OBW NVNT a 5200MHz Ant1



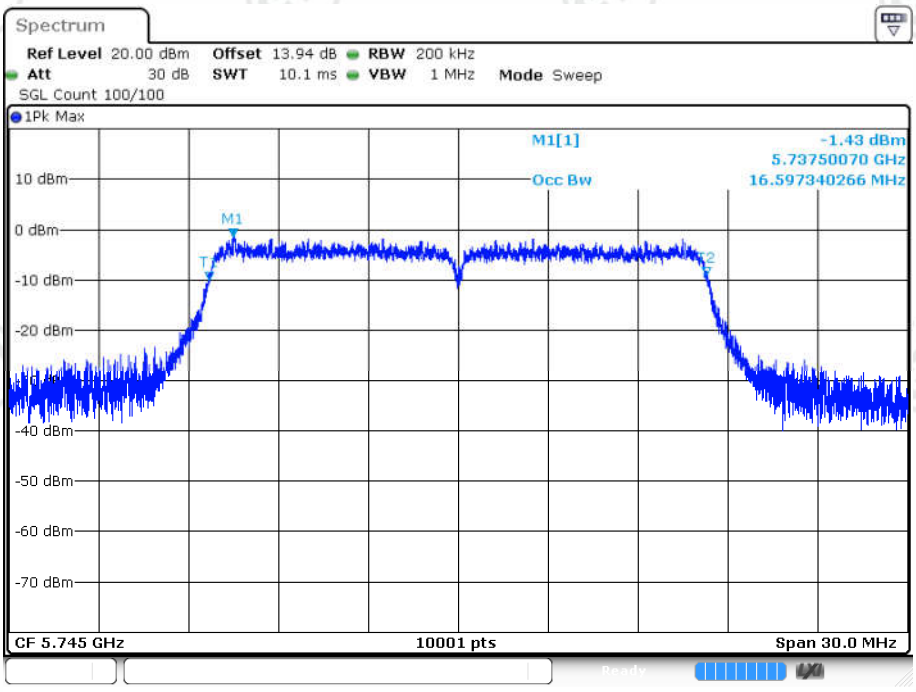
Date: 19.OCT.2023 13:28:06

OBW NVNT a 5240MHz Ant1



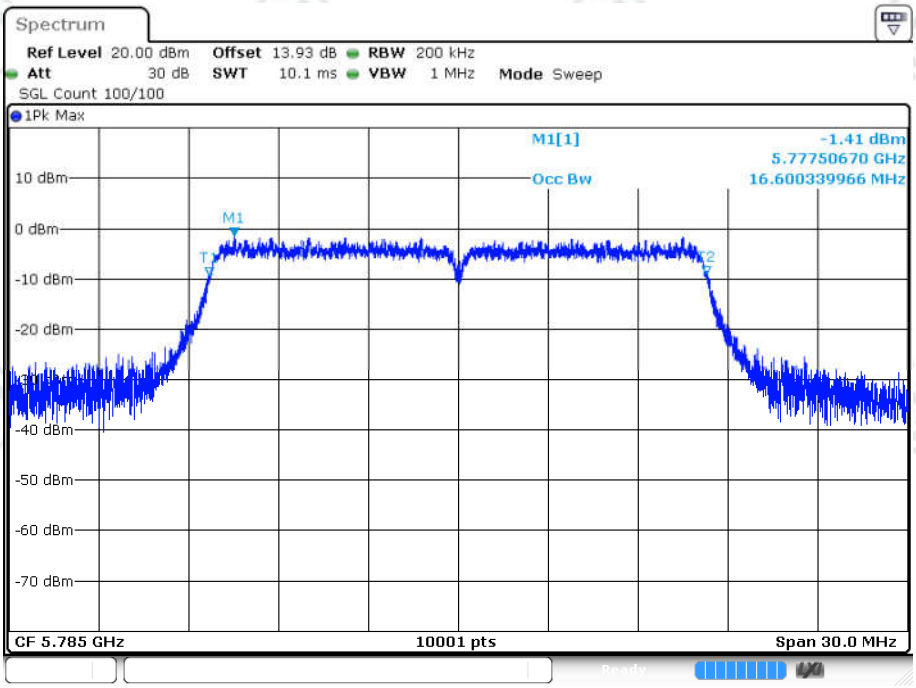
Date: 19.OCT.2023 13:29:35

OBW NVNT a 5745MHz Ant1



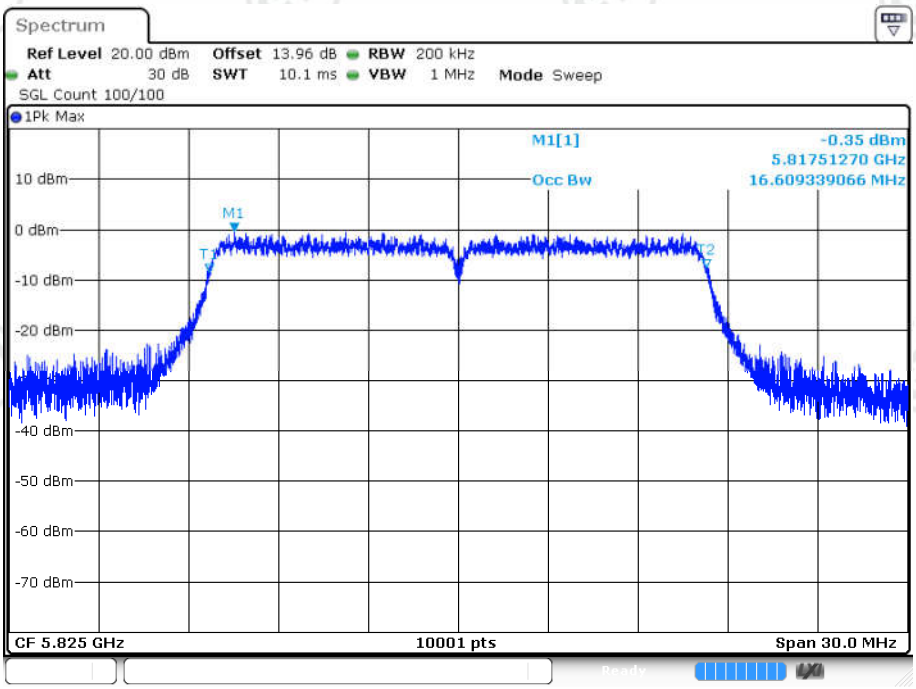
Date: 19.OCT.2023 13:32:24

OBW NVNT a 5785MHz Ant1



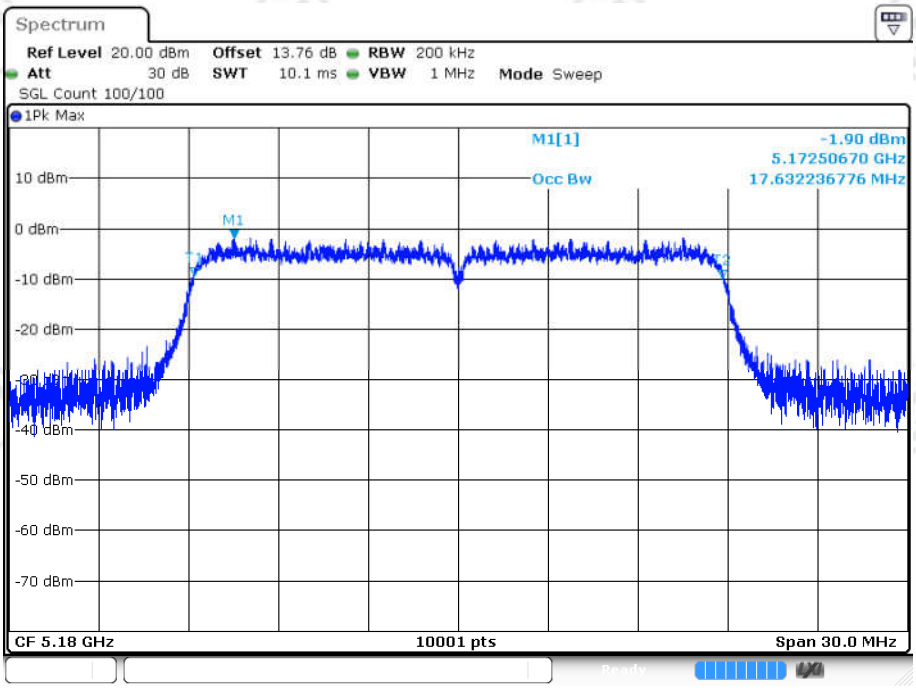
Date: 19.OCT.2023 13:36:19

OBW NVNT a 5825MHz Ant1



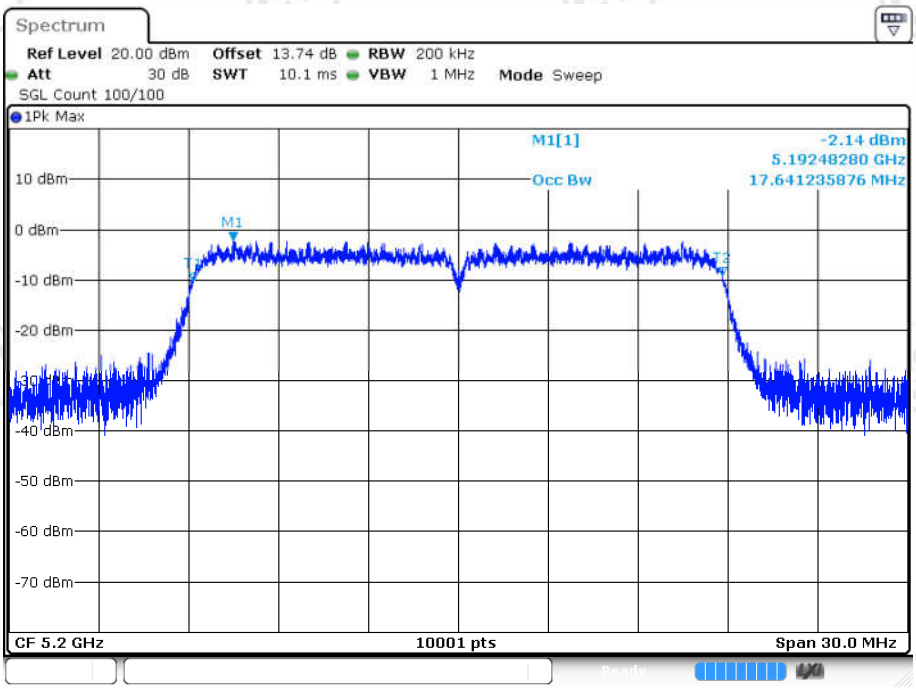
Date: 19.OCT.2023 13:43:13

OBW NVNT n20 5180MHz Ant1



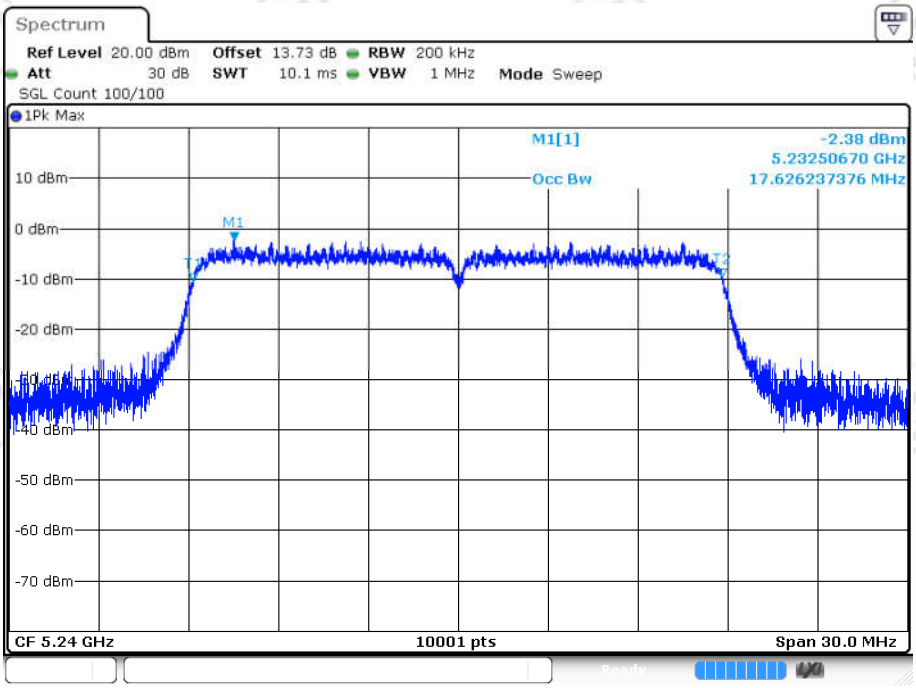
Date: 19.OCT.2023 13:45:34

OBW NVNT n20 5200MHz Ant1



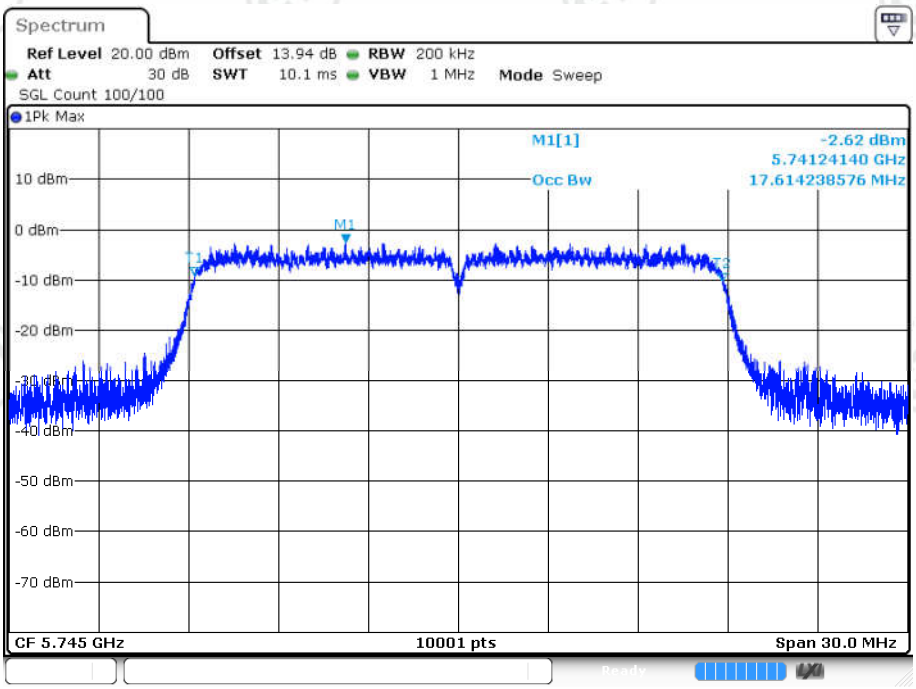
Date: 19.OCT.2023 13:47:27

OBW NVNT n20 5240MHz Ant1



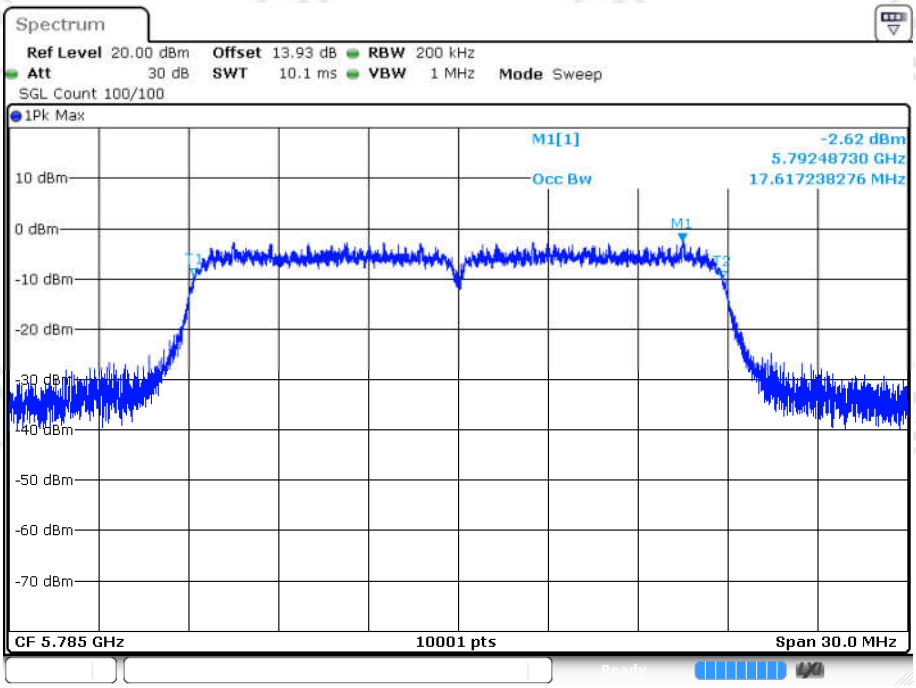
Date: 19.OCT.2023 13:48:49

OBW NVNT n20 5745MHz Ant1



Date: 19.OCT.2023 13:52:22

OBW NVNT n20 5785MHz Ant1



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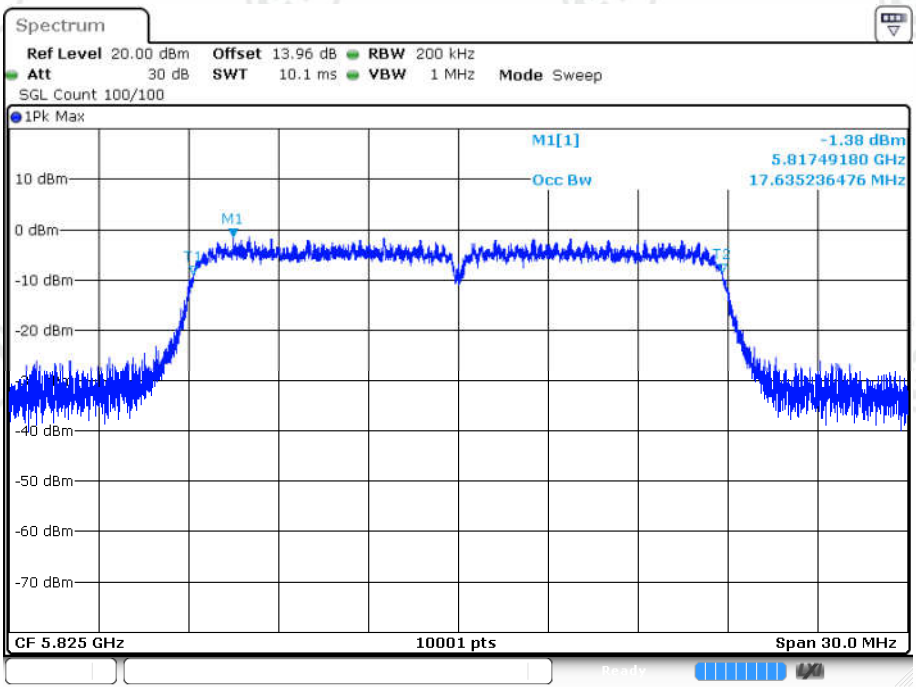
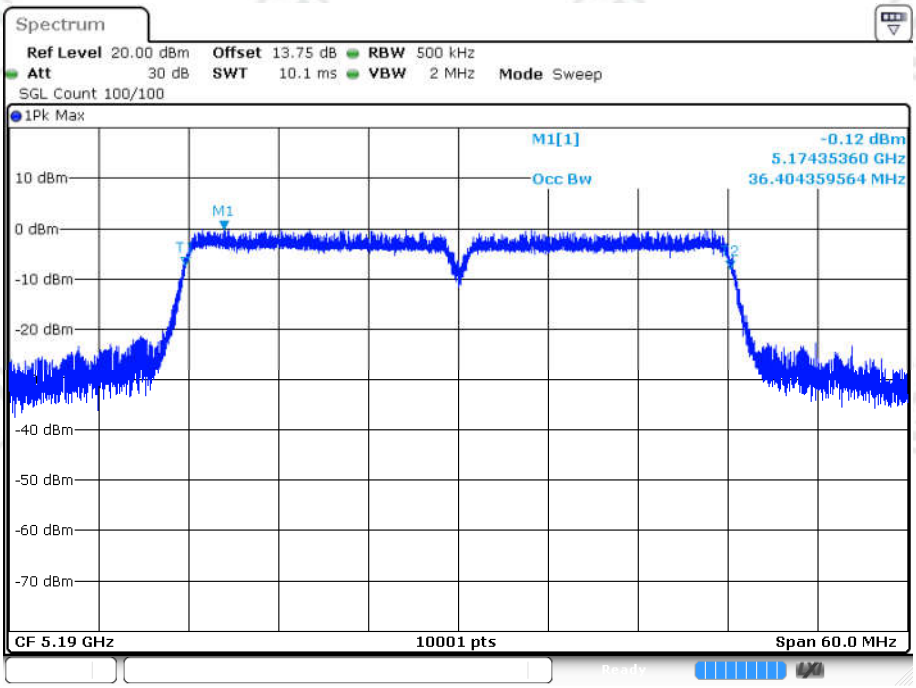
OBW NVNT n20 5825MHz Ant1



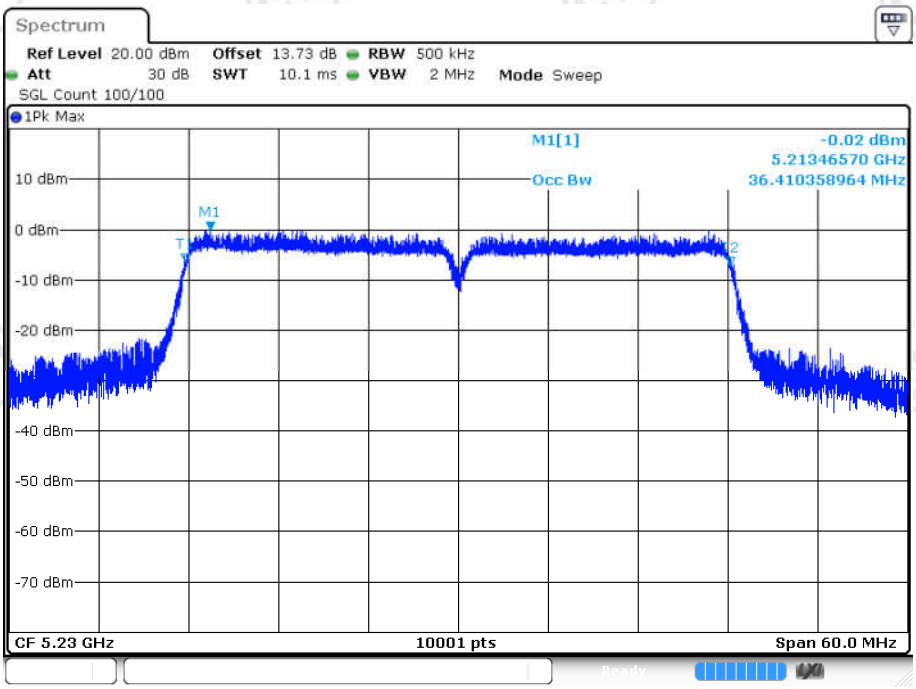
Date: 19.OCT.2023 13:56:44

OBW NVNT n40 5190MHz Ant1



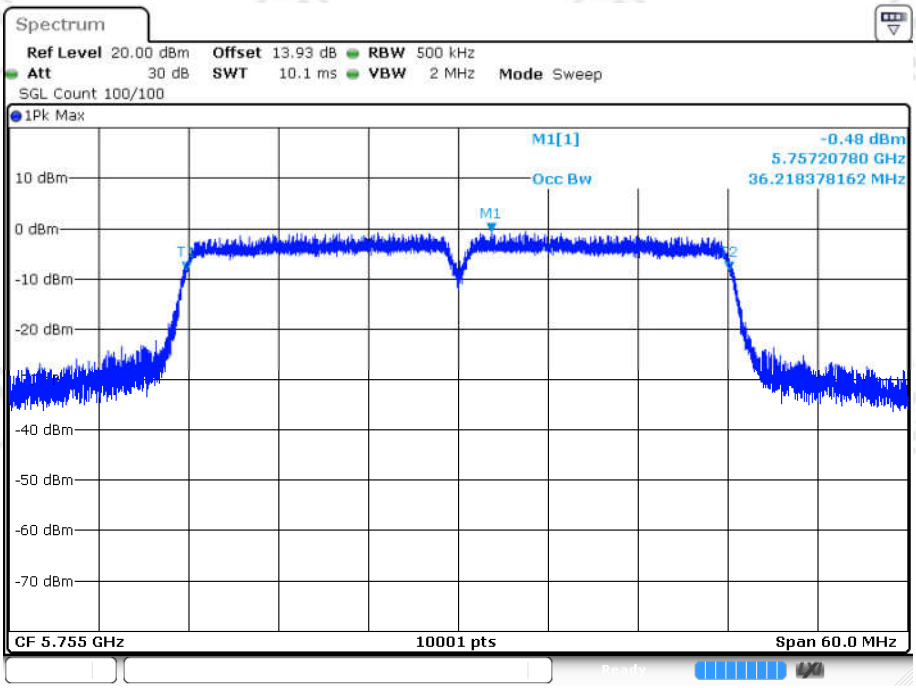
Date: 19.OCT.2023 14:04:05

OBW NVNT n40 5230MHz Ant1



Date: 19.OCT.2023 14:06:10

OBW NVNT n40 5755MHz Ant1



Date: 19.OCT.2023 14:08:36

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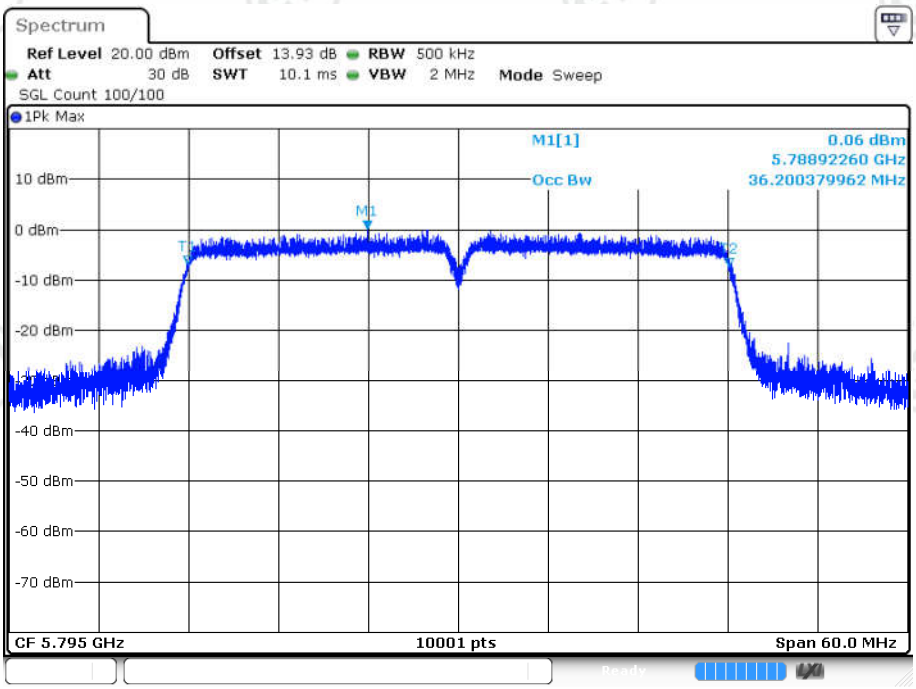
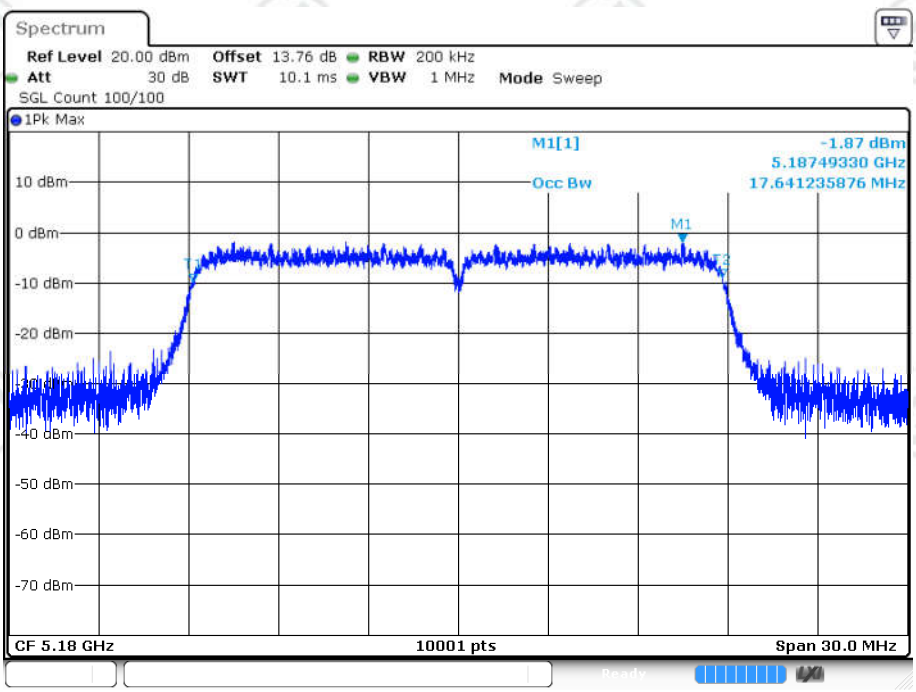


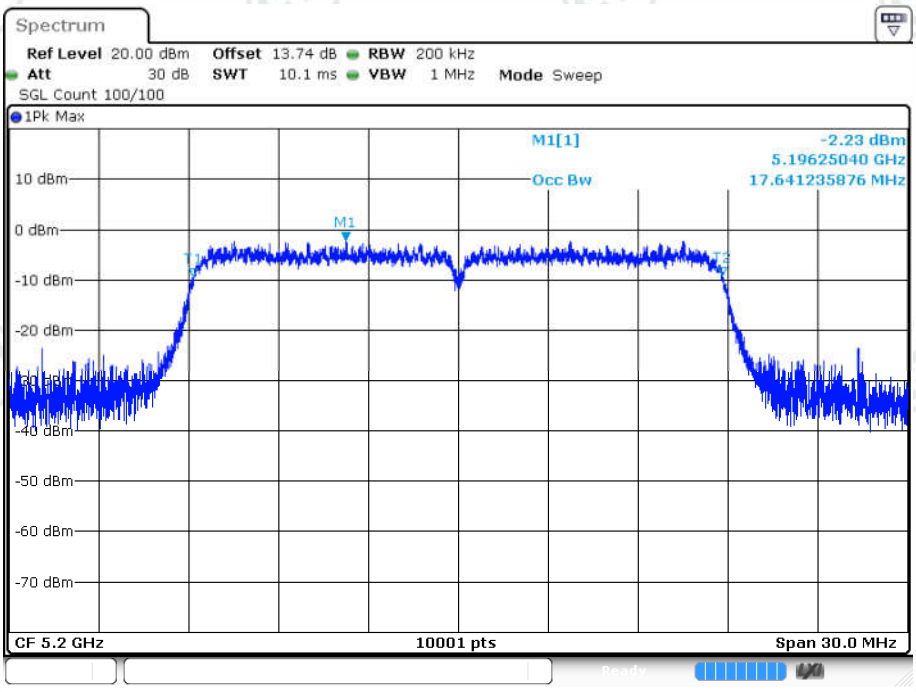
Date: 19.OCT.2023 14:10:31

OBW NVNT ac20 5180MHz Ant1



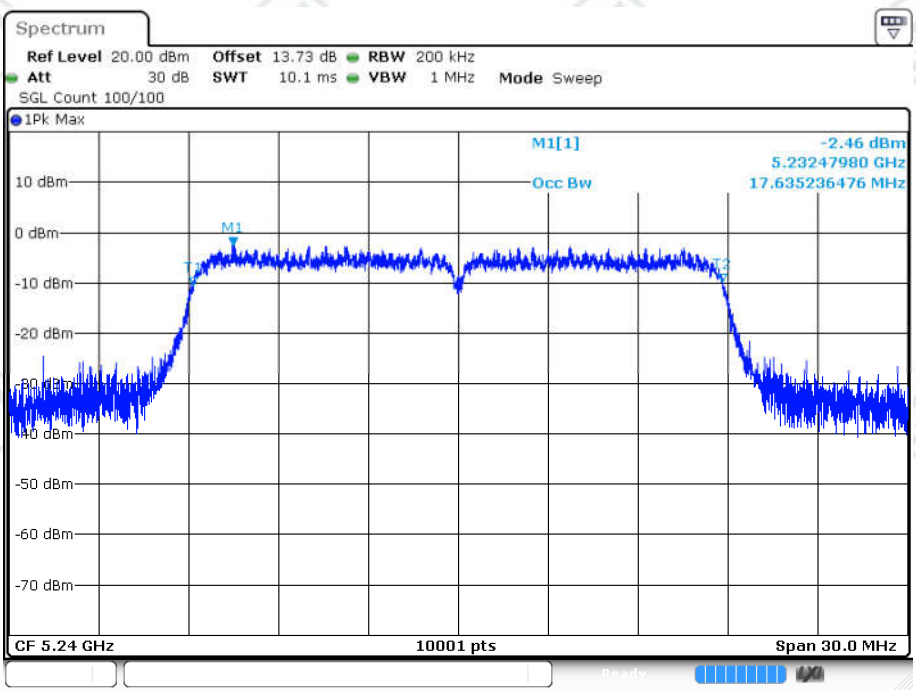
Date: 19.OCT.2023 14:13:05

OBW NVNT ac20 5200MHz Ant1



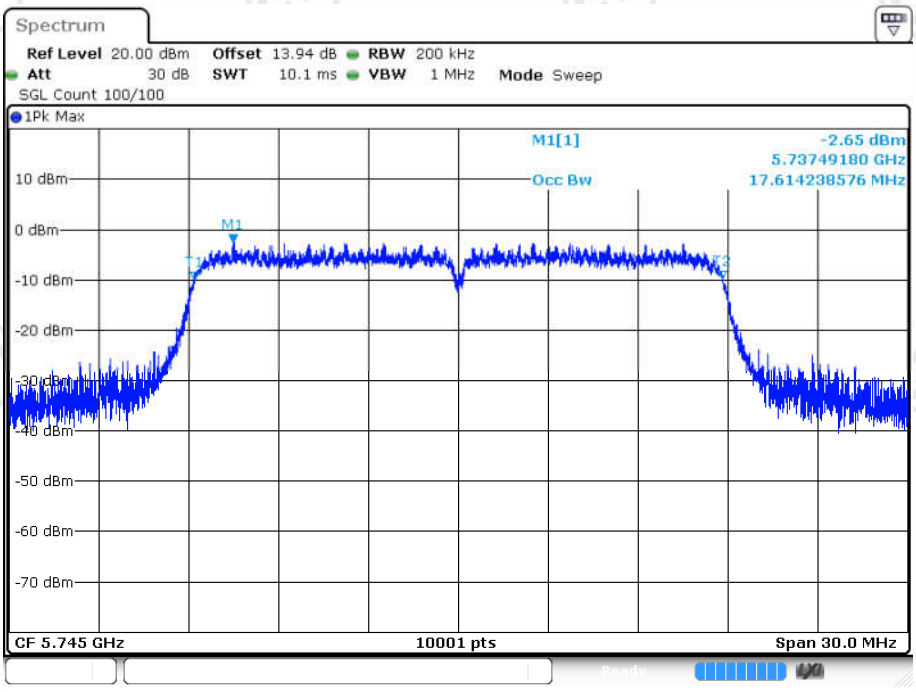
Date: 19.OCT.2023 14:15:20

OBW NVNT ac20 5240MHz Ant1



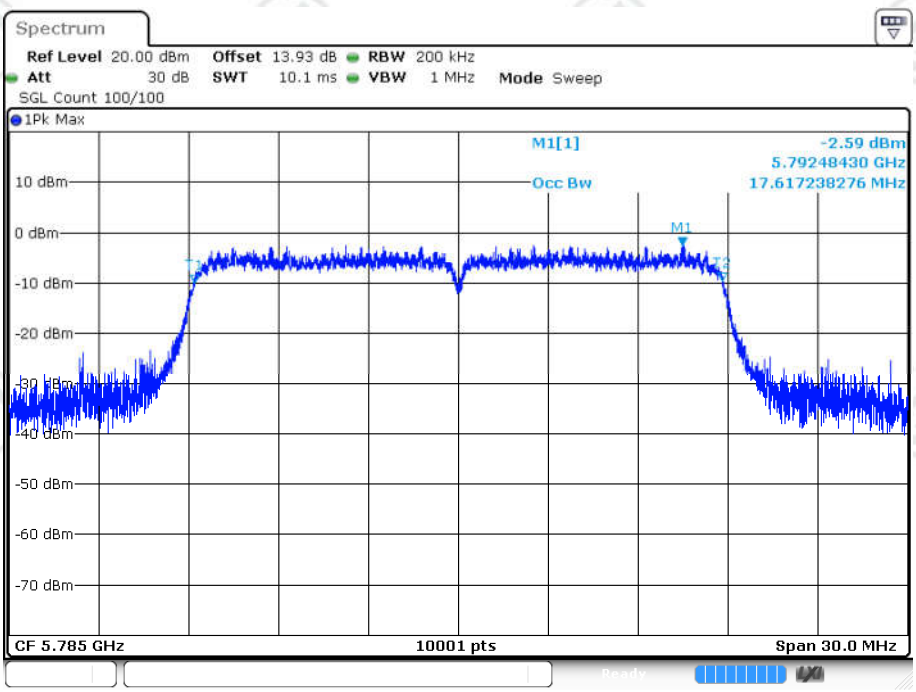
Date: 19.OCT.2023 14:17:06

OBW NVNT ac20 5745MHz Ant1



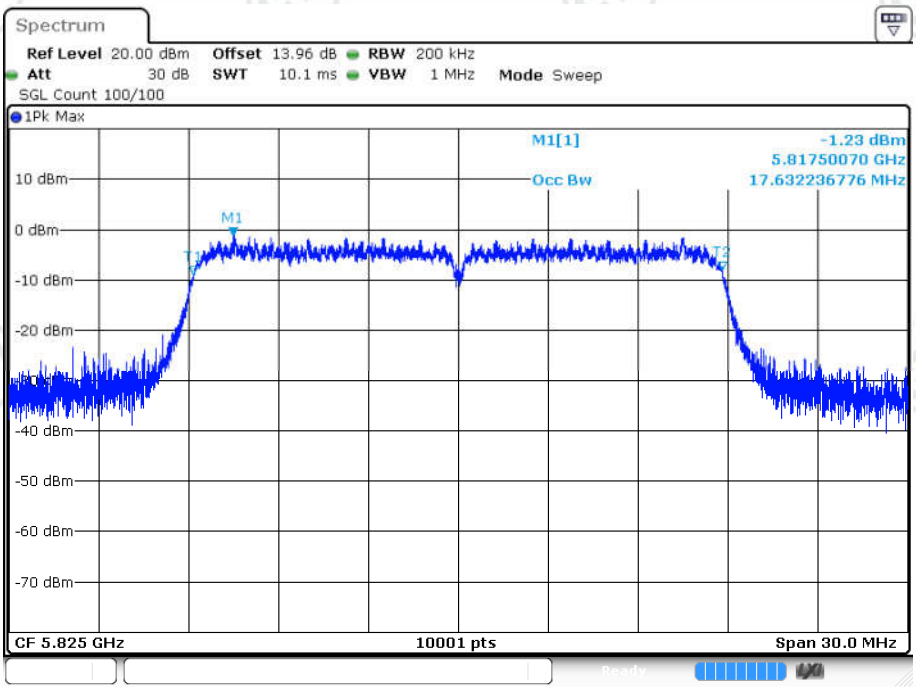
Date: 19.OCT.2023 14:19:15

OBW NVNT ac20 5785MHz Ant1



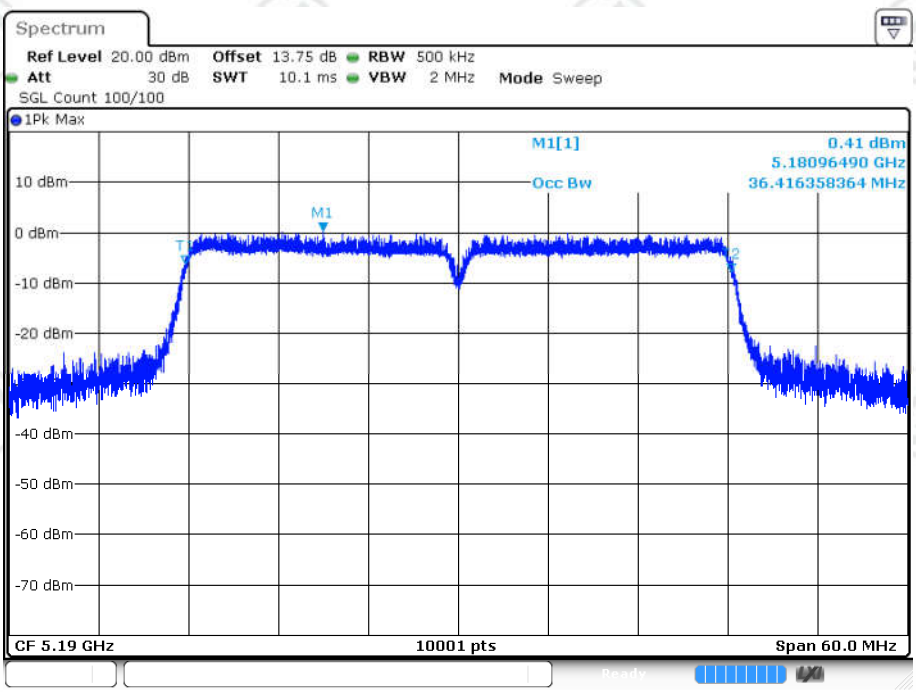
Date: 19.OCT.2023 14:21:33

OBW NVNT ac20 5825MHz Ant1



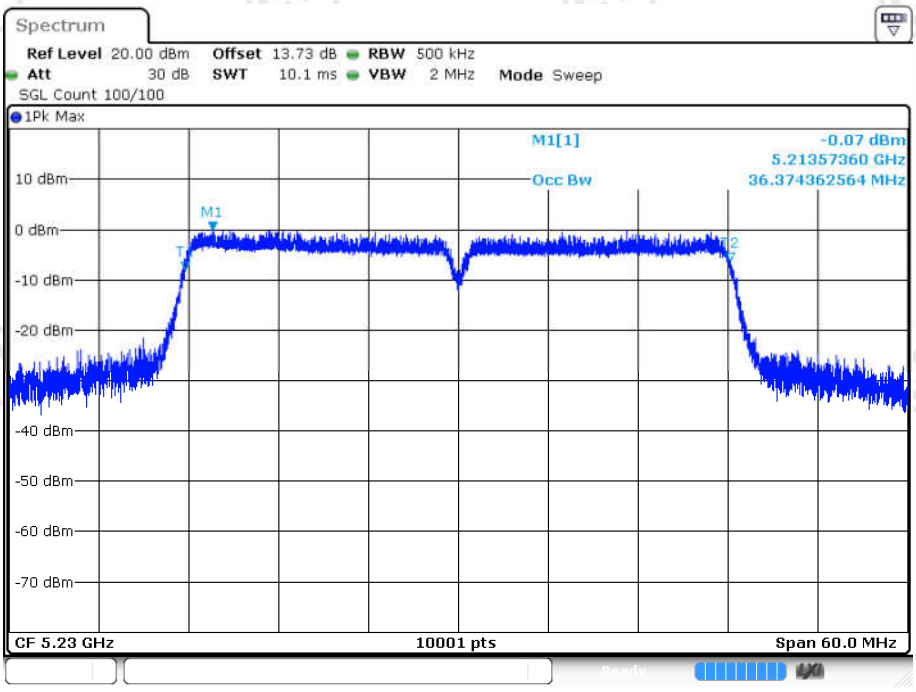
Date: 19.OCT.2023 14:23:24

OBW NVNT ac40 5190MHz Ant1



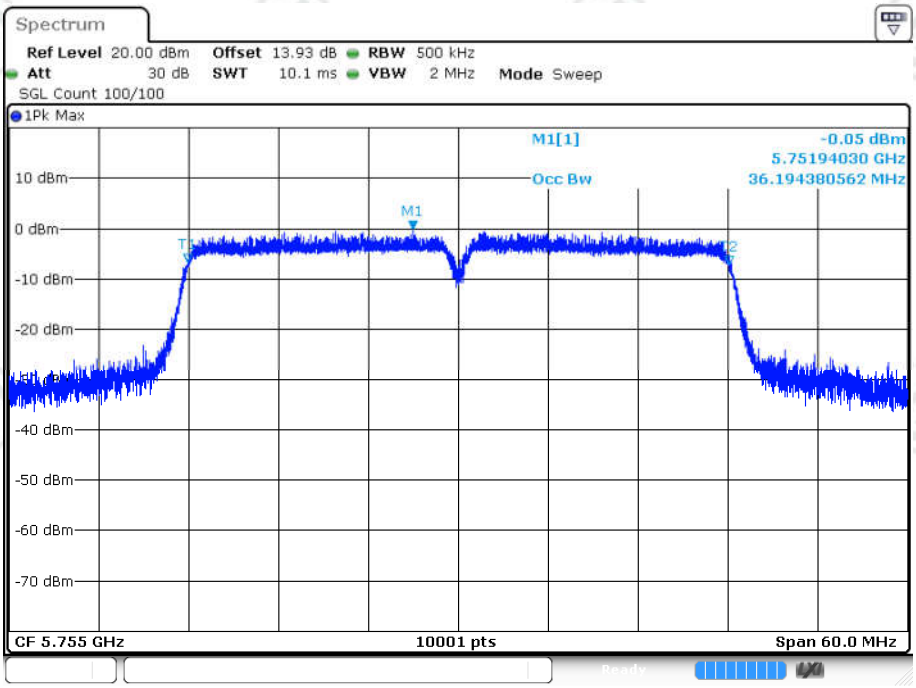
Date: 19.OCT.2023 14:26:26

OBW NVNT ac40 5230MHz Ant1



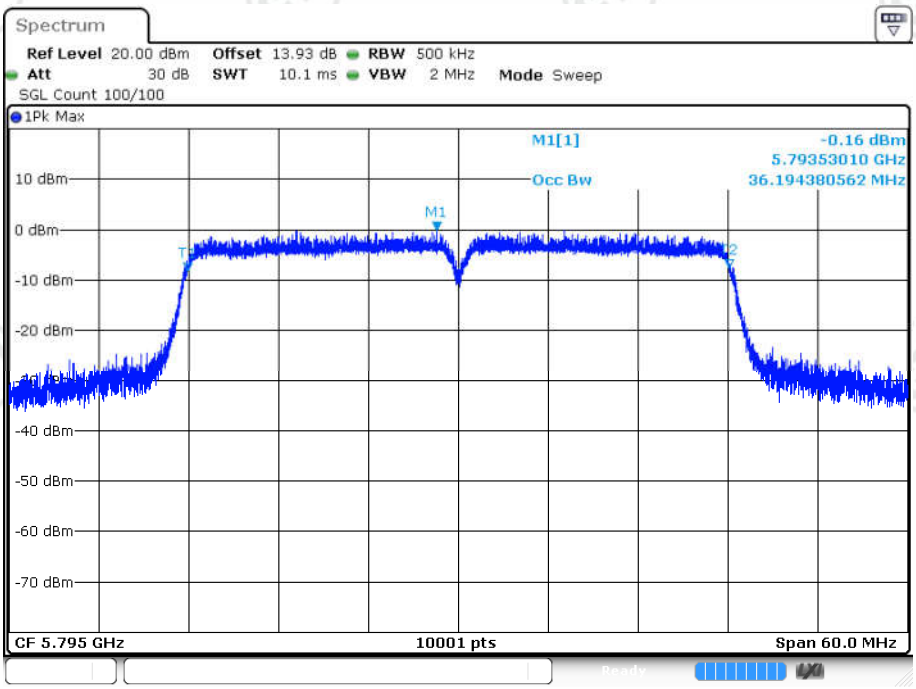
Date: 19.OCT.2023 14:30:10

OBW NVNT ac40 5755MHz Ant1



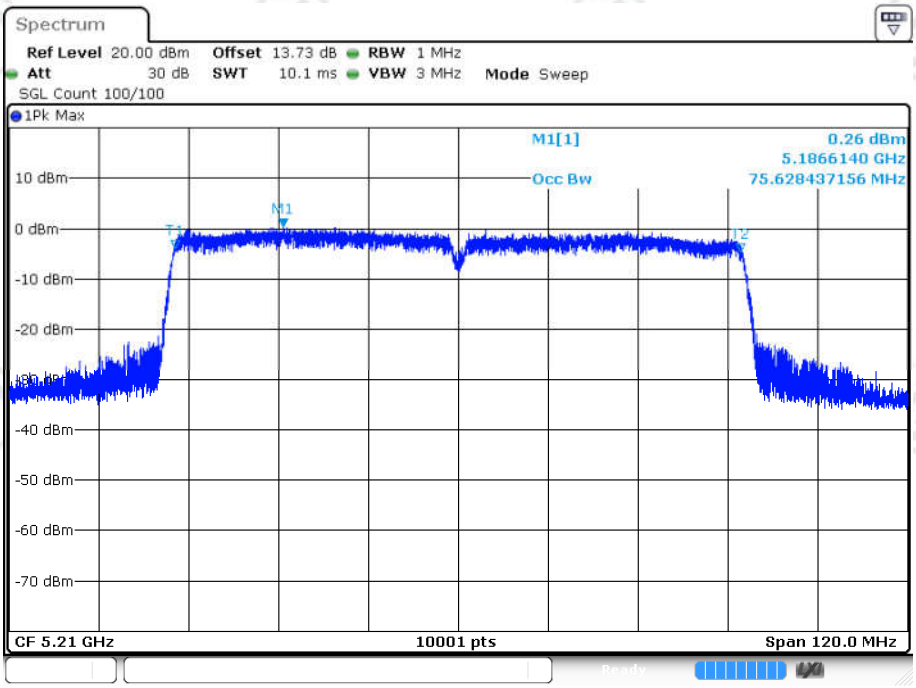
Date: 19.OCT.2023 14:35:05

OBW NVNT ac40 5795MHz Ant1



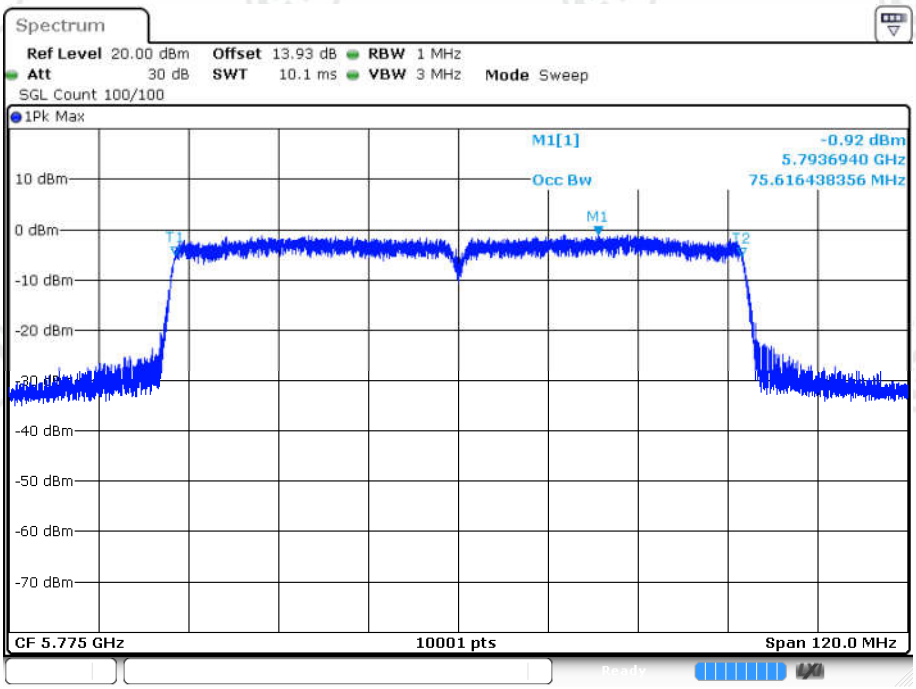
Date: 19.OCT.2023 14:38:23

OBW NVNT ac80 5210MHz Ant1



Date: 19.OCT.2023 14:40:26

OBW NVNT ac80 5775MHz Ant1



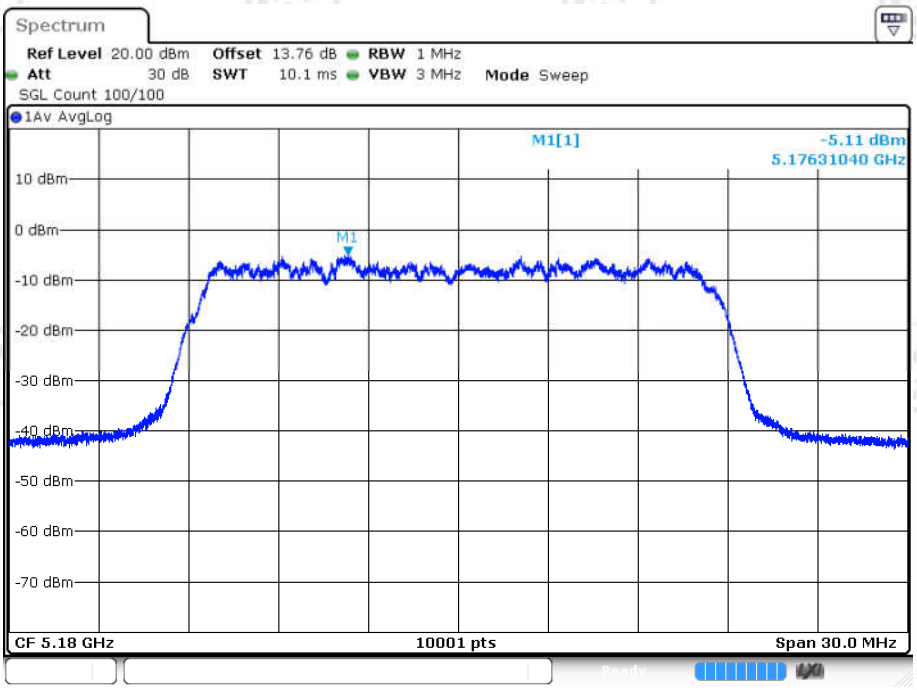
Date: 19.OCT.2023 14:42:55

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-5.11	0.51	-4.6	11	Pass
NVNT	a	5200	Ant1	-4.68	0.44	-4.24	11	Pass
NVNT	a	5240	Ant1	-4.31	0.46	-3.85	11	Pass
NVNT	a	5745	Ant1	-8.43	0.44	-7.99	30	Pass
NVNT	a	5785	Ant1	-8.36	0.44	-7.92	30	Pass
NVNT	a	5825	Ant1	-7.65	0.44	-7.21	30	Pass
NVNT	n20	5180	Ant1	-5.56	0.51	-5.05	11	Pass
NVNT	n20	5200	Ant1	-6.88	0.57	-6.31	11	Pass
NVNT	n20	5240	Ant1	-7.55	0.51	-7.04	11	Pass
NVNT	n20	5745	Ant1	-9.64	0.51	-9.13	30	Pass
NVNT	n20	5785	Ant1	-9.78	0.51	-9.27	30	Pass
NVNT	n20	5825	Ant1	-9.57	0.51	-9.06	30	Pass
NVNT	n40	5190	Ant1	-11.38	0.97	-10.41	11	Pass
NVNT	n40	5230	Ant1	-10.42	0.97	-9.45	11	Pass
NVNT	n40	5755	Ant1	-15.66	0.96	-14.7	30	Pass
NVNT	n40	5795	Ant1	-15.38	0.98	-14.4	30	Pass
NVNT	ac20	5180	Ant1	-5.59	0.51	-5.08	11	Pass
NVNT	ac20	5200	Ant1	-7.33	0.51	-6.82	11	Pass
NVNT	ac20	5240	Ant1	-5.28	0.51	-4.77	11	Pass
NVNT	ac20	5745	Ant1	-10.19	0.54	-9.65	30	Pass
NVNT	ac20	5785	Ant1	-9.23	0.57	-8.66	30	Pass
NVNT	ac20	5825	Ant1	-9.08	0.51	-8.57	30	Pass
NVNT	ac40	5190	Ant1	-11.4	0.96	-10.44	11	Pass
NVNT	ac40	5230	Ant1	-11.63	1.02	-10.61	11	Pass
NVNT	ac40	5755	Ant1	-15.02	0.96	-14.06	30	Pass
NVNT	ac40	5795	Ant1	-15.33	0.96	-14.37	30	Pass
NVNT	ac80	5210	Ant1	-17.81	1.76	-16.05	11	Pass
NVNT	ac80	5775	Ant1	-21.97	1.76	-20.21	30	Pass

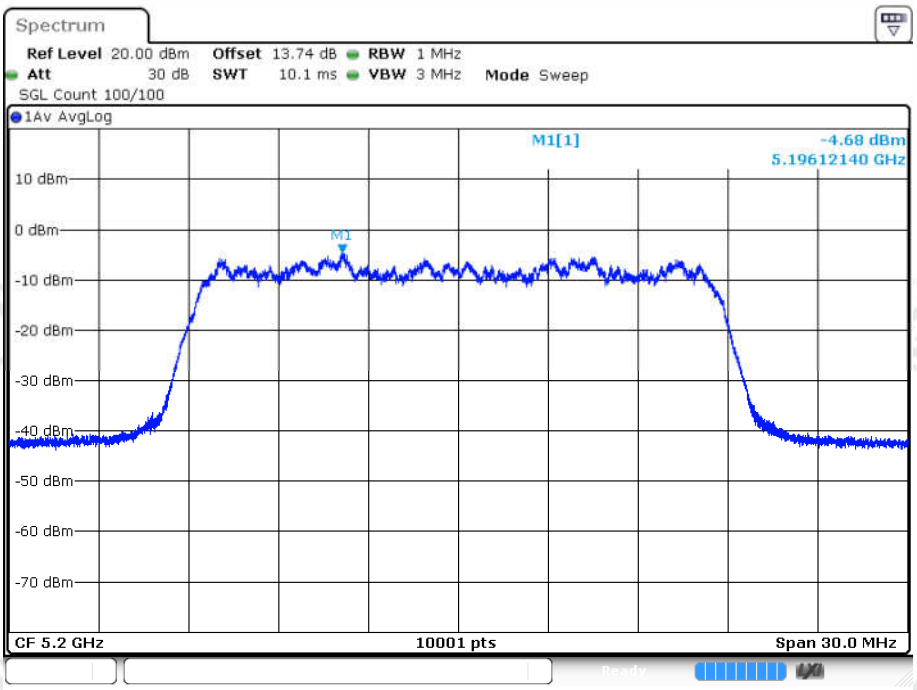
Test Graphs

PSD NVNT a 5180MHz Ant1



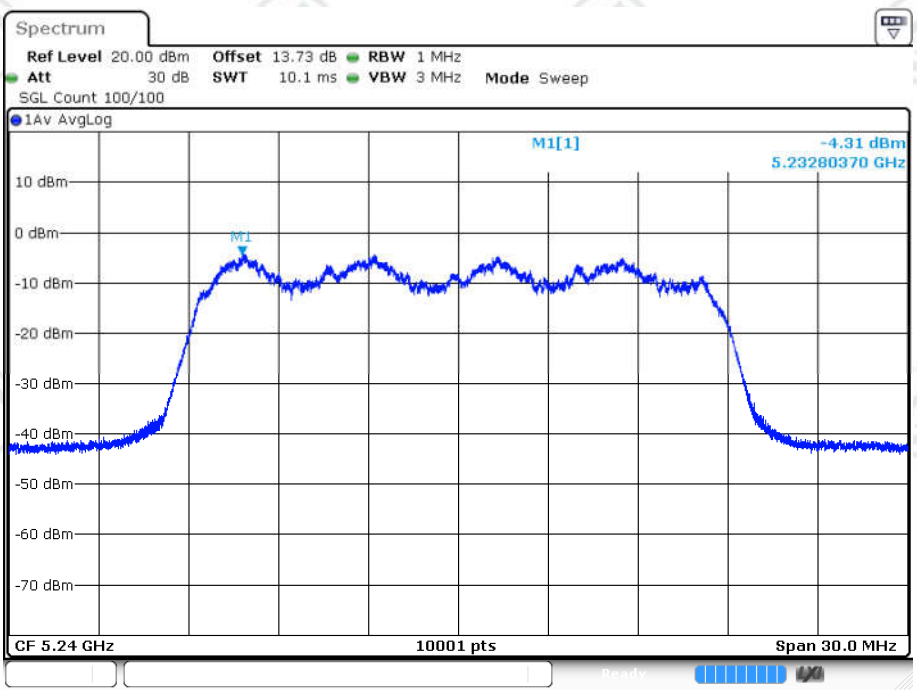
Date: 19.OCT.2023 13:26:04

PSD NVNT a 5200MHz Ant1



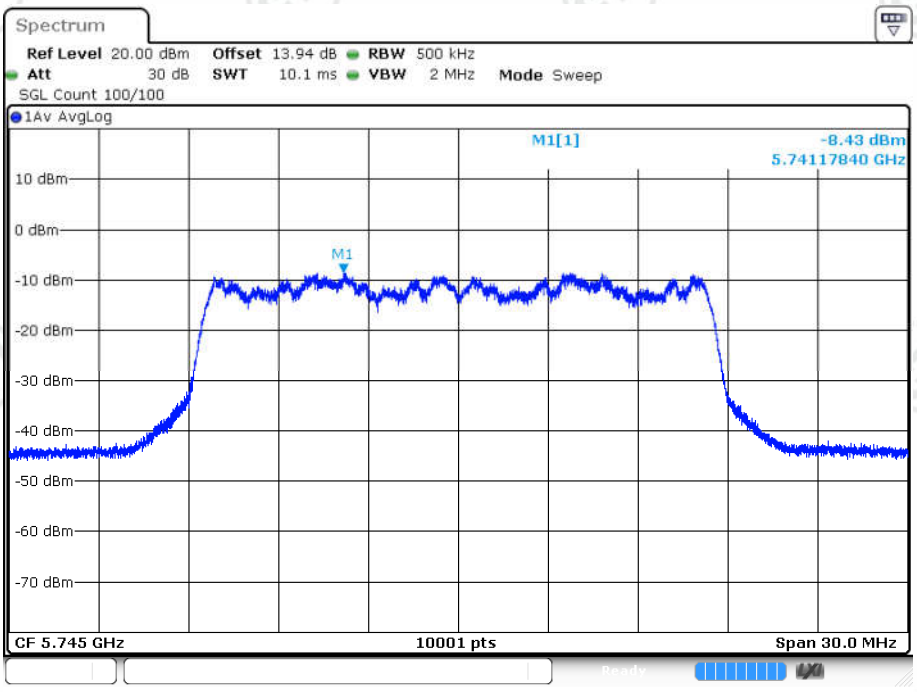
Date: 19.OCT.2023 13:28:16

PSD NVNT a 5240MHz Ant1



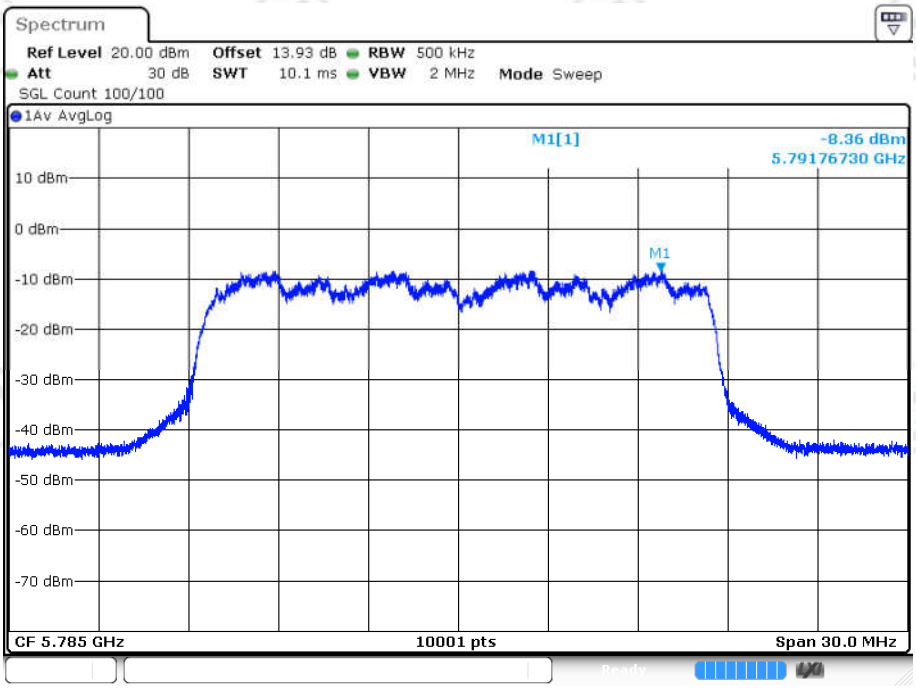
Date: 19.OCT.2023 13:29:45

PSD NVNT a 5745MHz Ant1



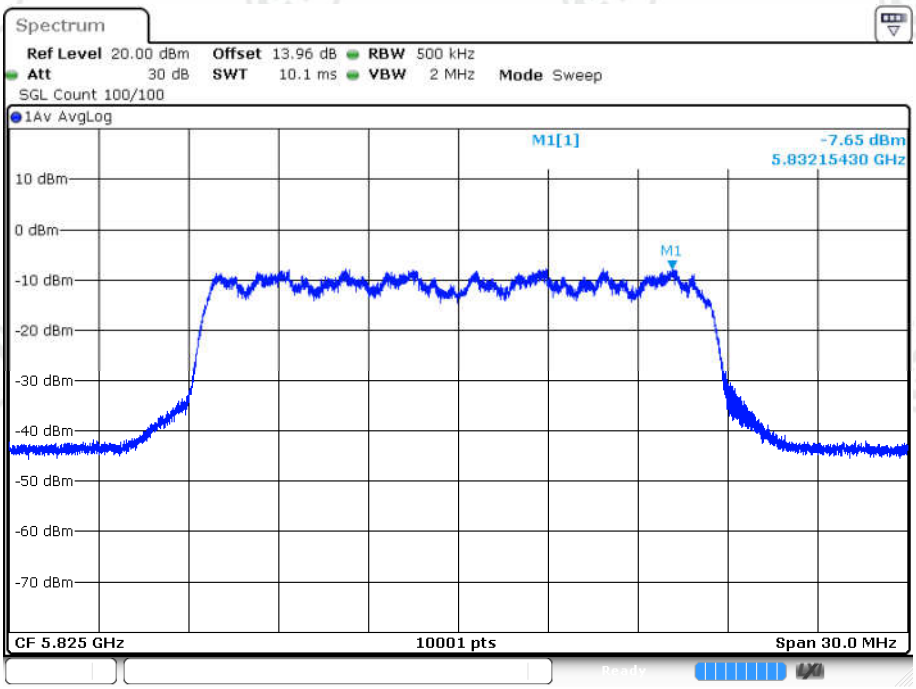
Date: 19.OCT.2023 13:32:35

PSD NVNT a 5785MHz Ant1



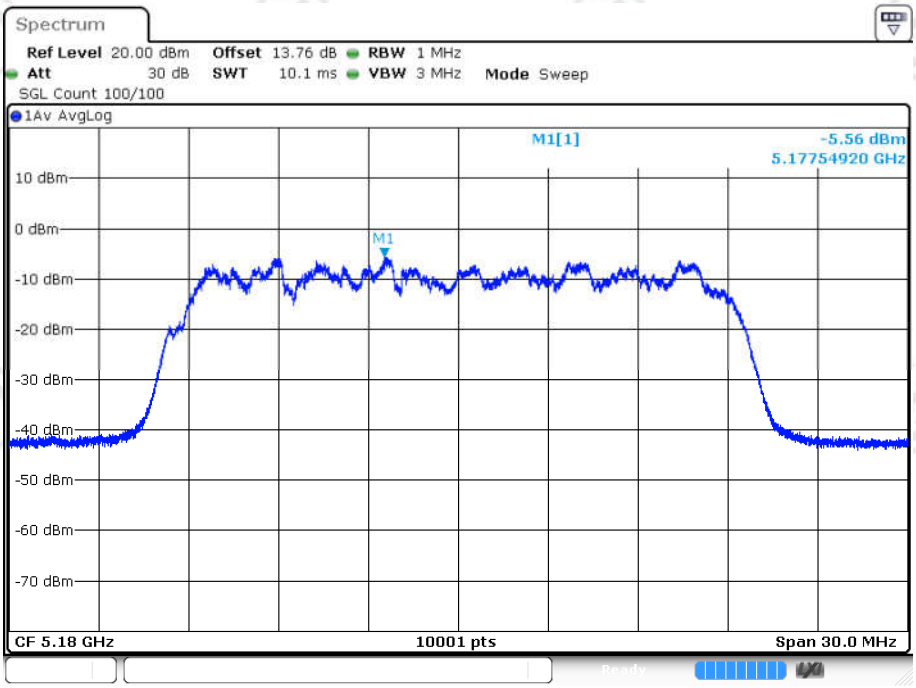
Date: 19.OCT.2023 13:36:31

PSD NVNT a 5825MHz Ant1



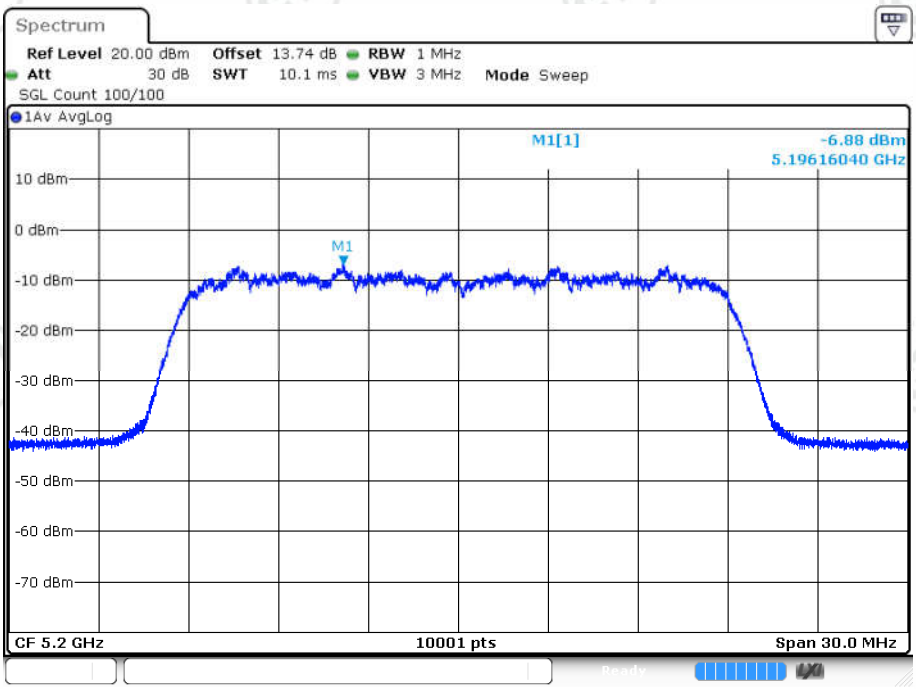
Date: 19.OCT.2023 13:43:24

PSD NVNT n20 5180MHz Ant1



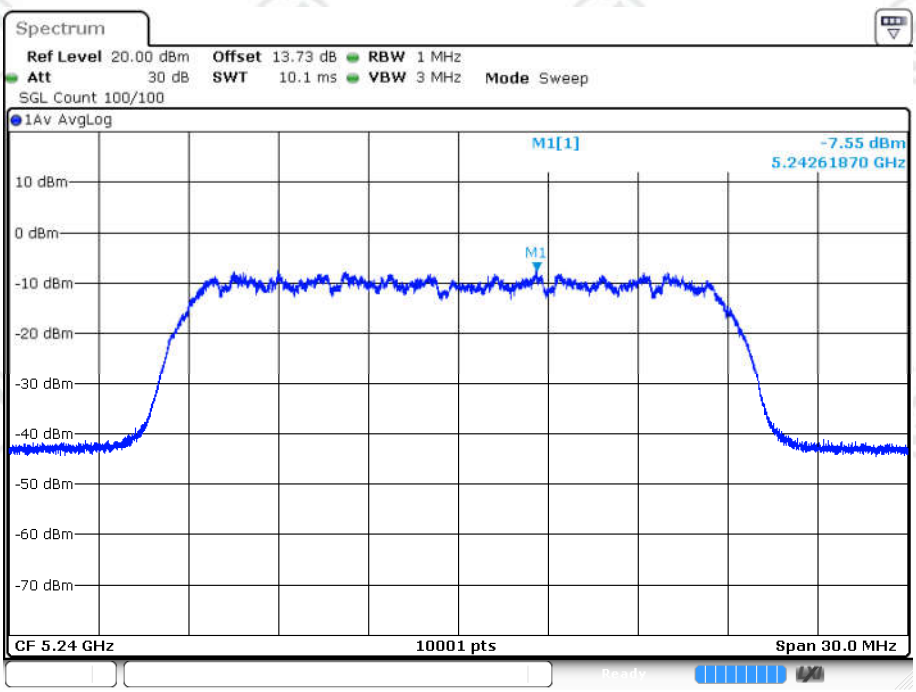
Date: 19.OCT.2023 13:45:45

PSD NVNT n20 5200MHz Ant1



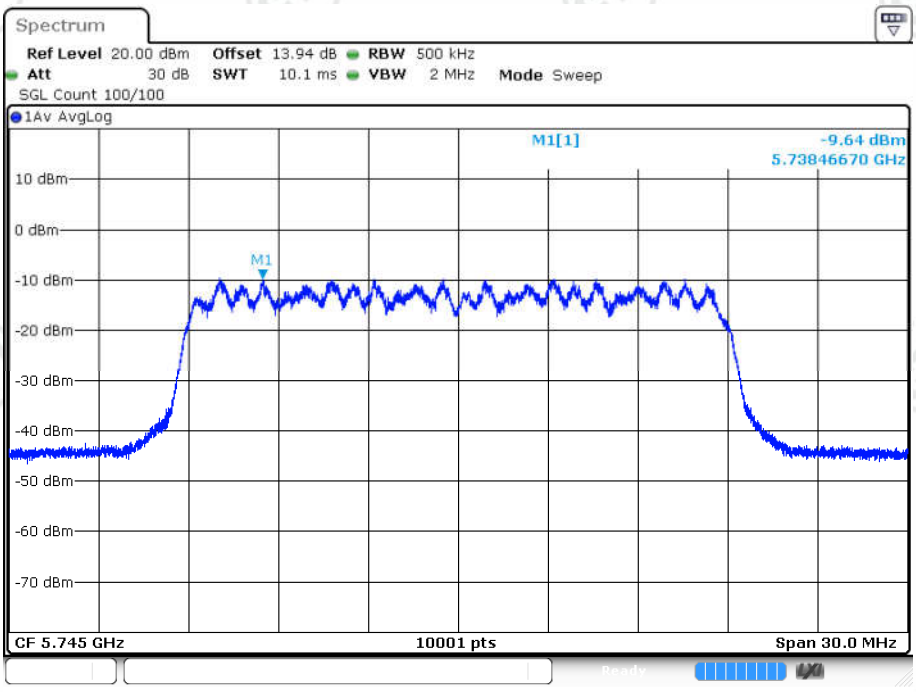
Date: 19.OCT.2023 13:47:38

PSD NVNT n20 5240MHz Ant1



Date: 19.OCT.2023 13:49:00

PSD NVNT n20 5745MHz Ant1



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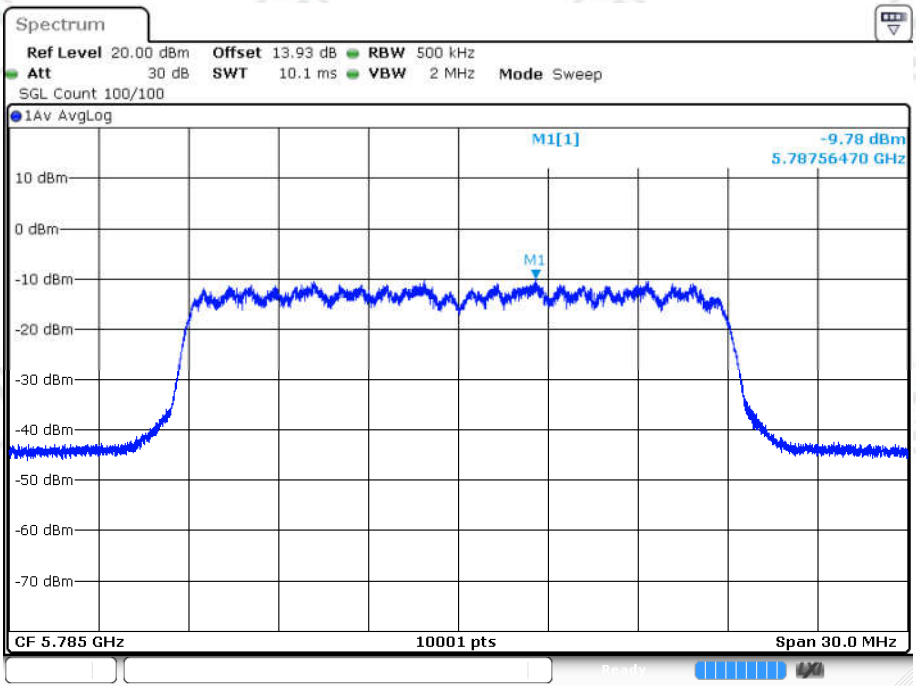
PSD NVNT n20 5785MHz Ant1



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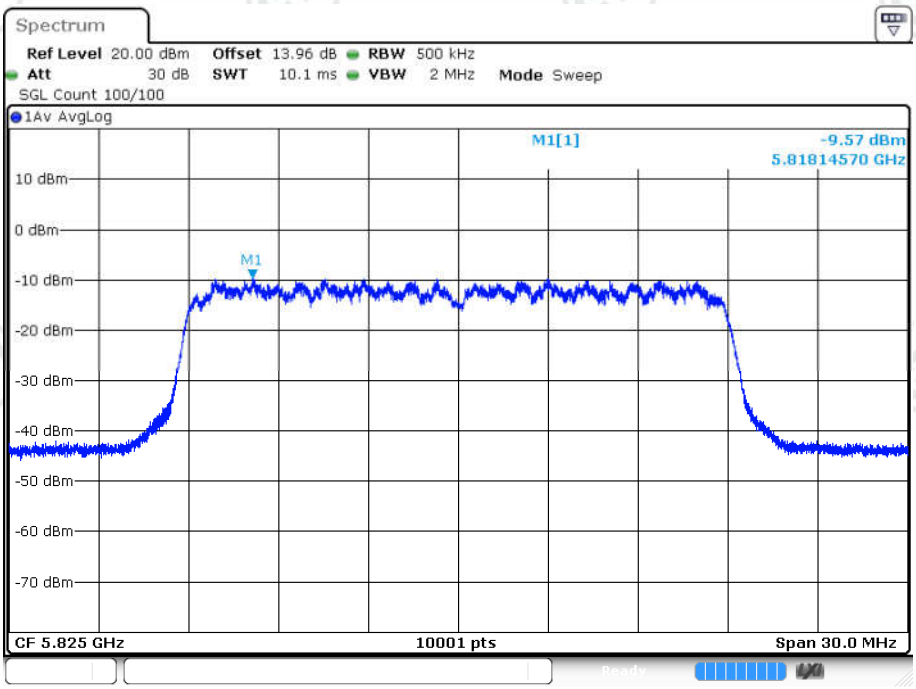
PSD NVNT n20 5825MHz Ant1



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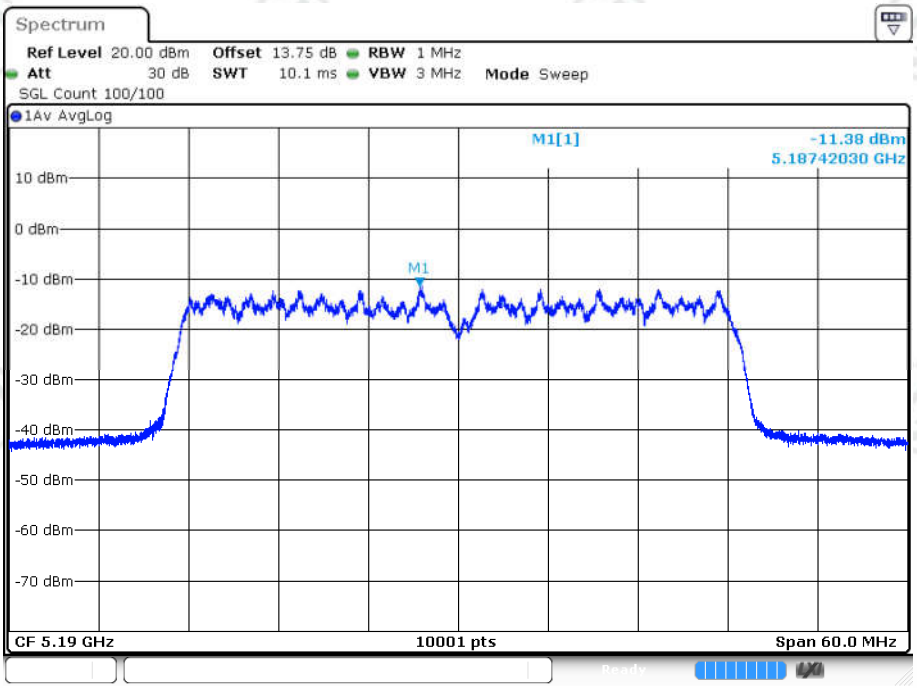

Date: 19.OCT.2023 14:04:16

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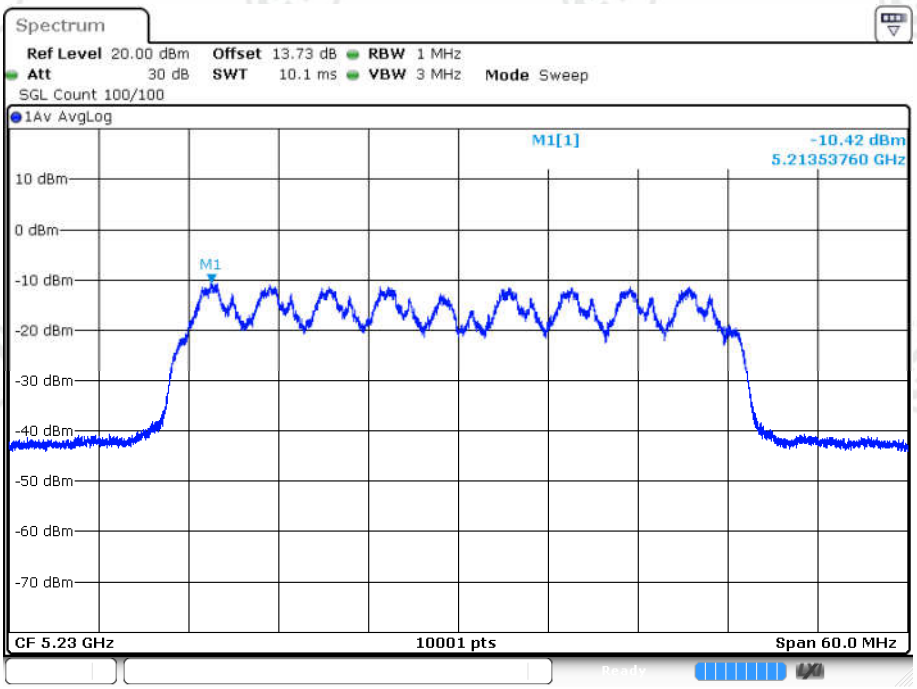

Date: 19.OCT.2023 14:06:21

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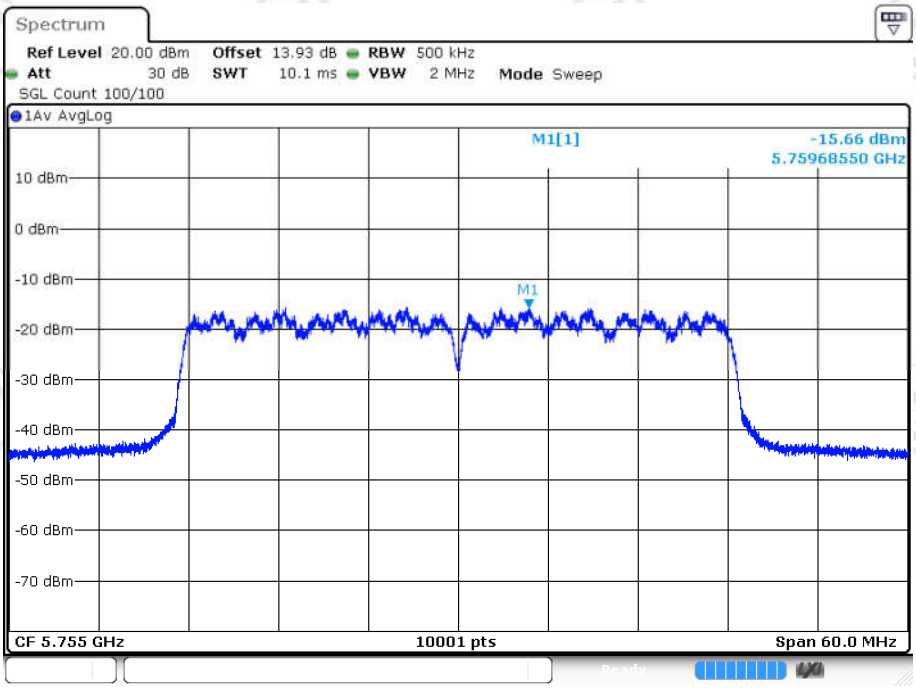

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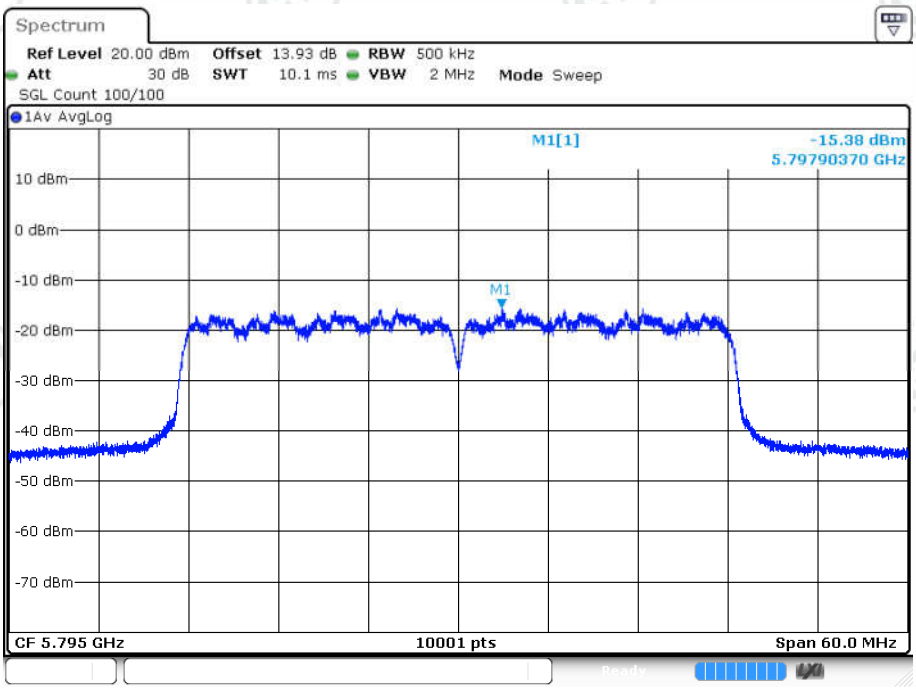

Date: 19.OCT.2023 14:10:42

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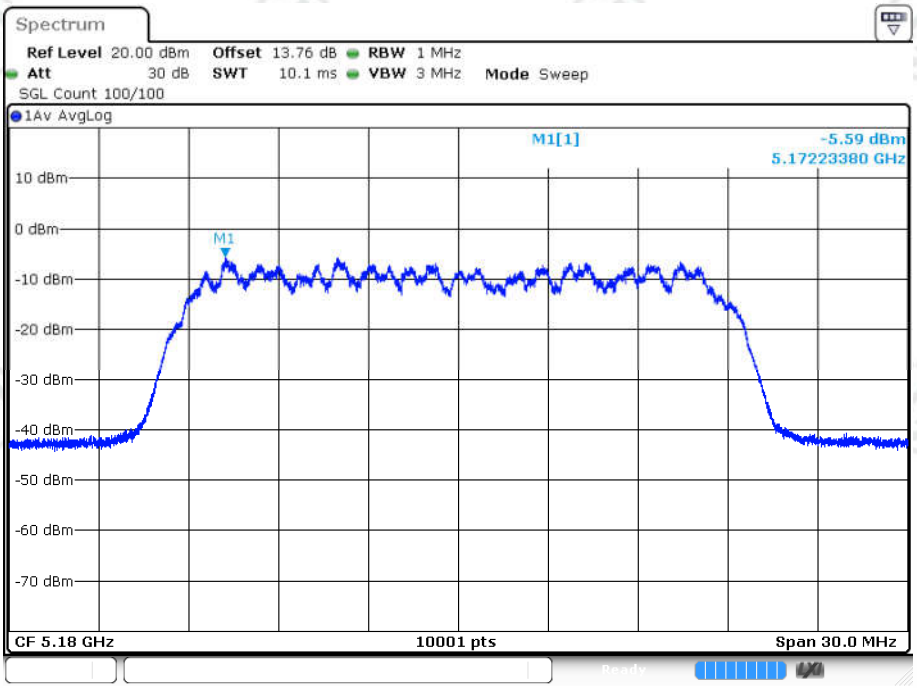

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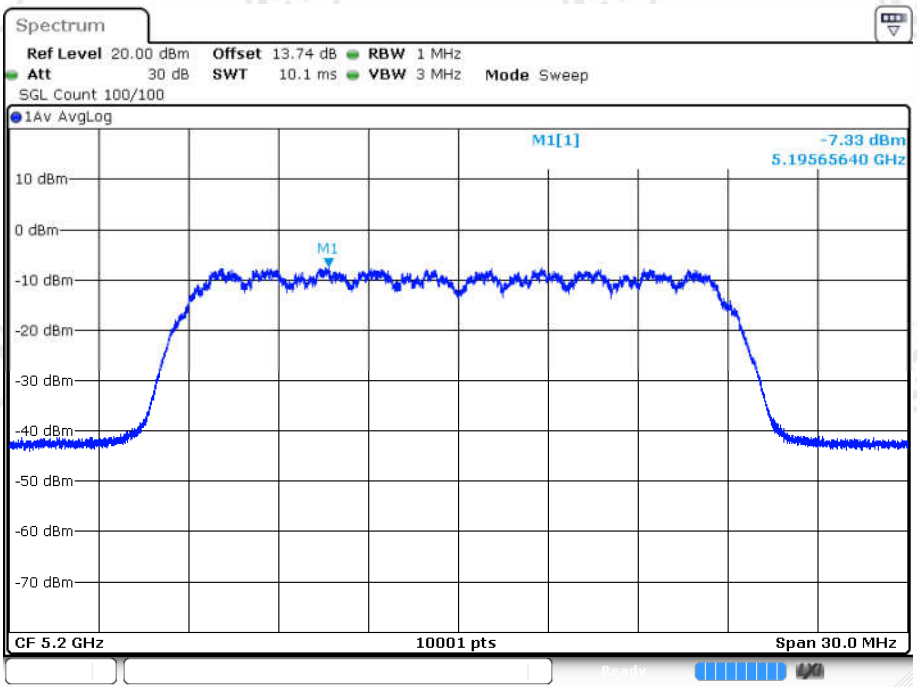

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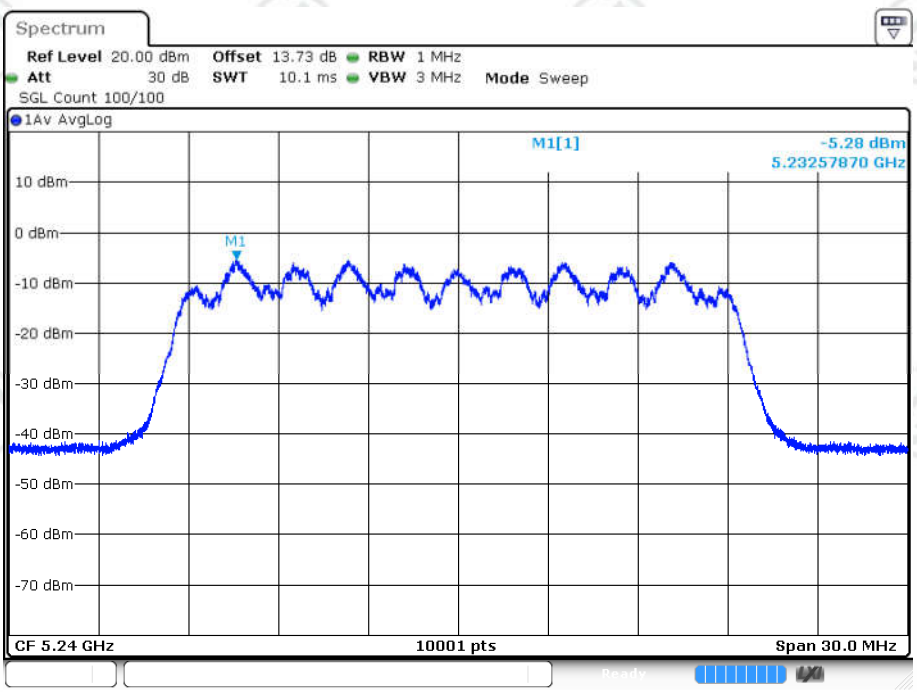
PSD NVNT ac20 5240MHz Ant1



Date: 19.OCT.2023 14:17:17

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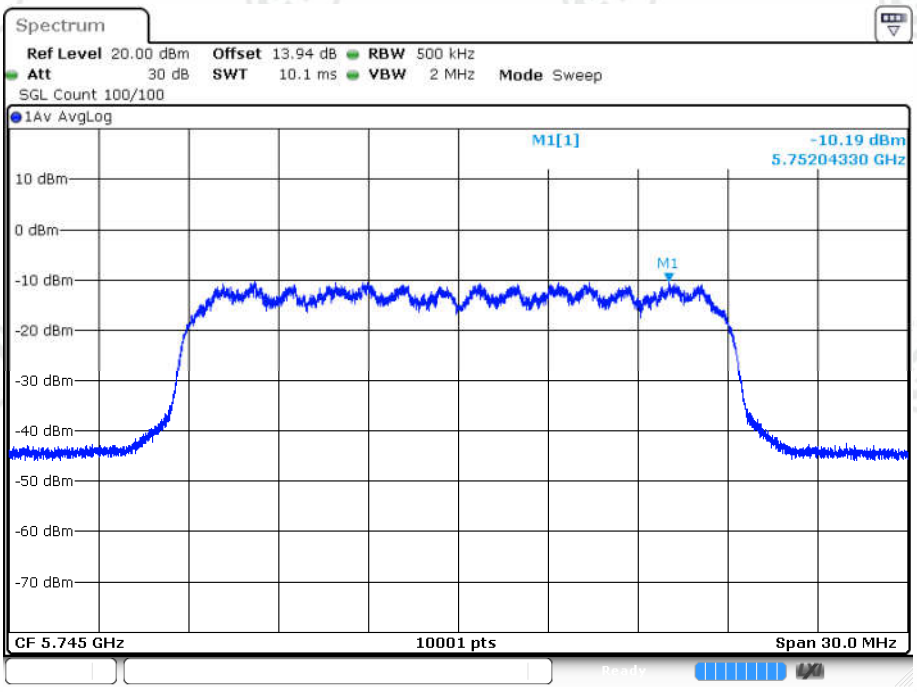

Date: 19.OCT.2023 14:19:26

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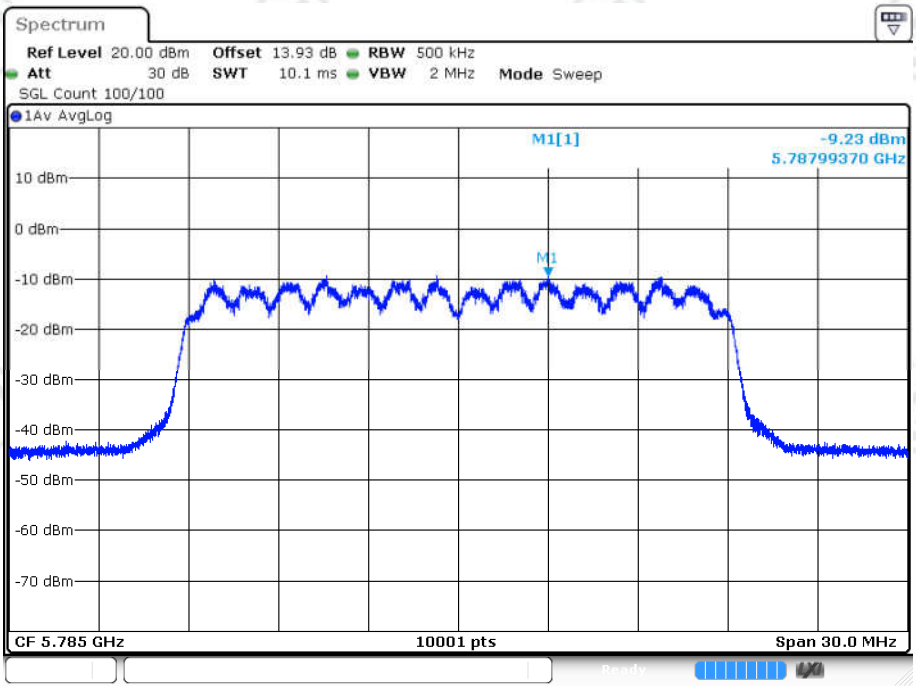
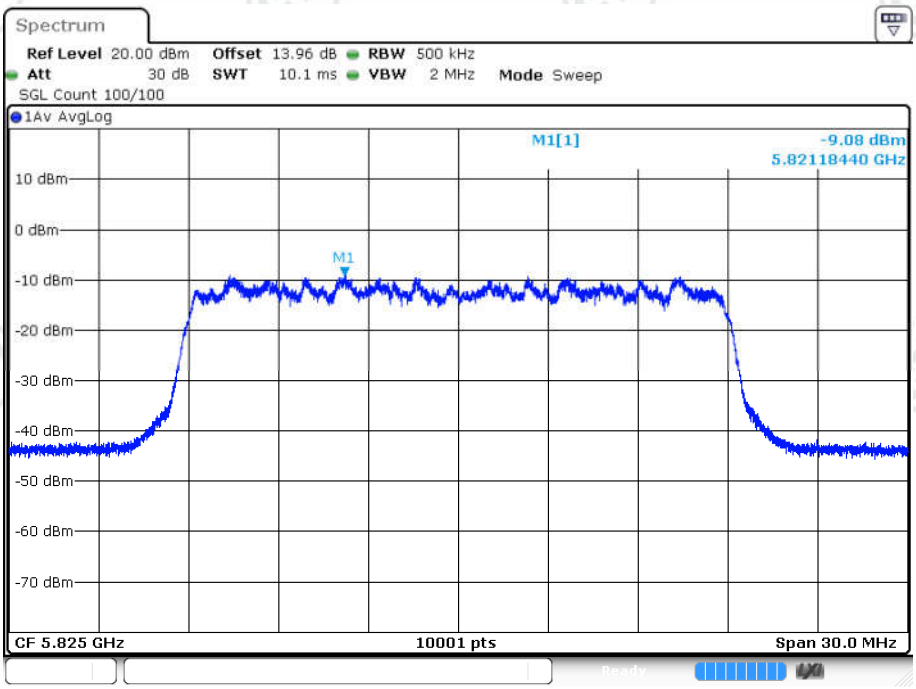


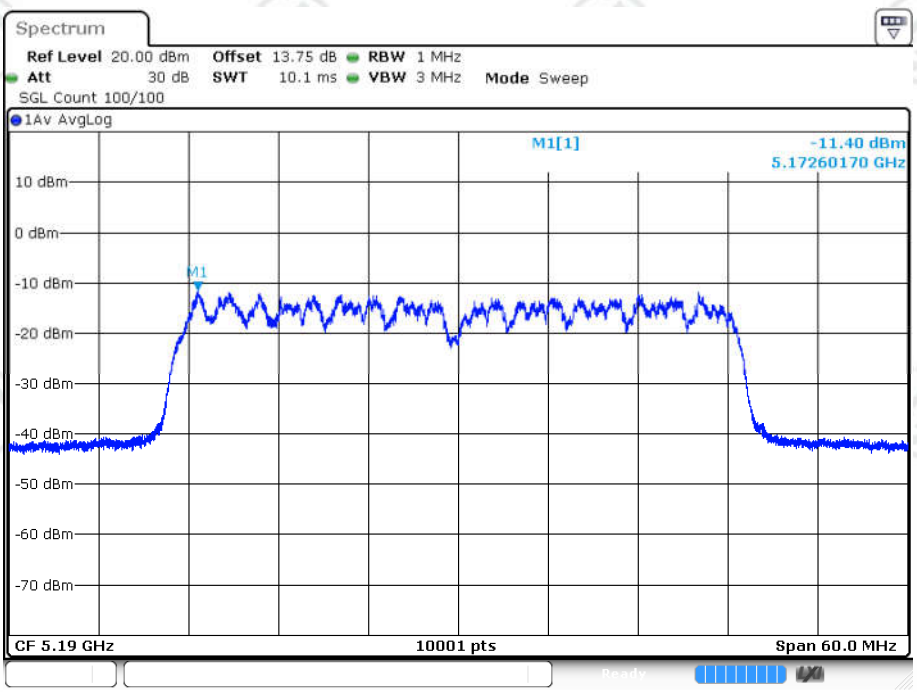
Date: 19.OCT.2023 14:21:44

PSD NVNT ac20 5825MHz Ant1



Date: 19.OCT.2023 14:23:34

PSD NVNT ac40 5190MHz Ant1



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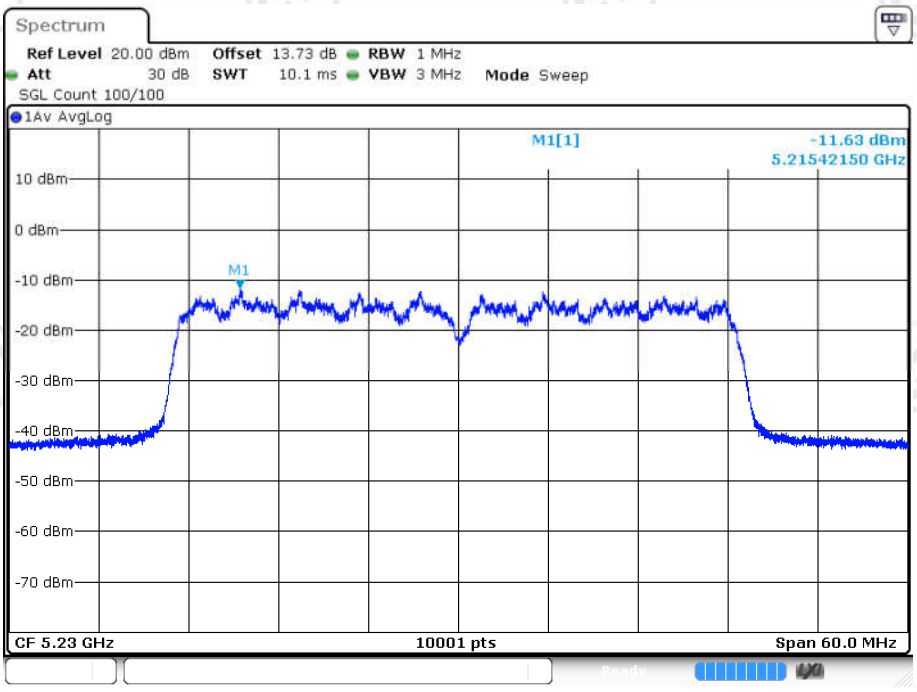
PSD NVNT ac40 5230MHz Ant1



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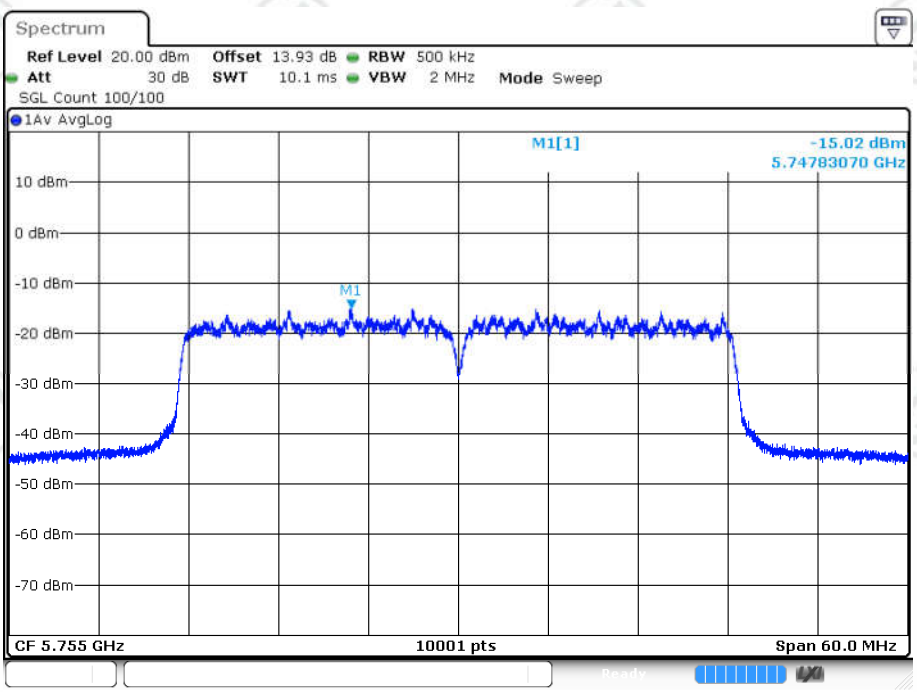

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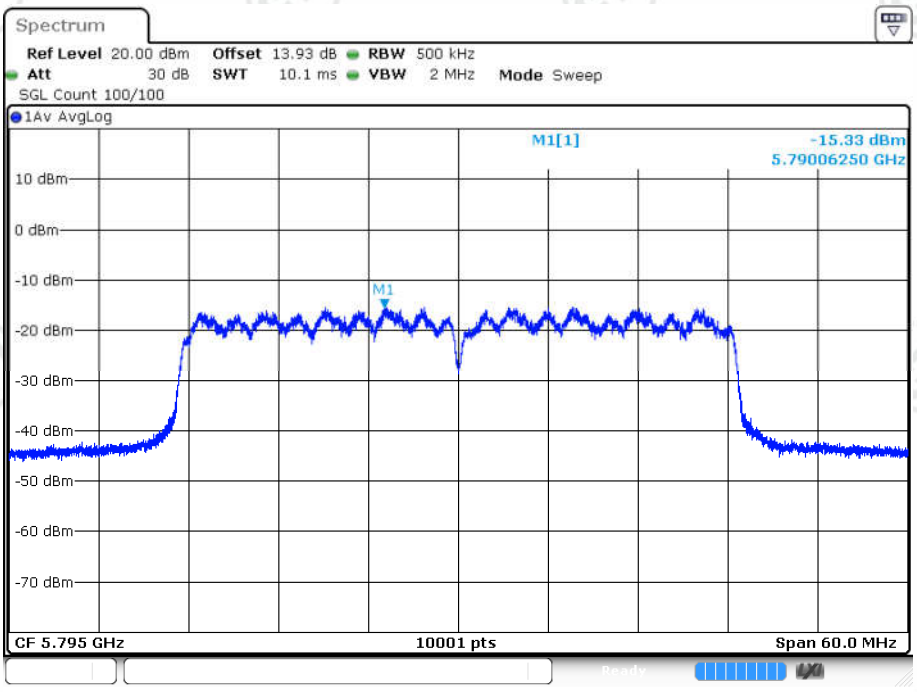
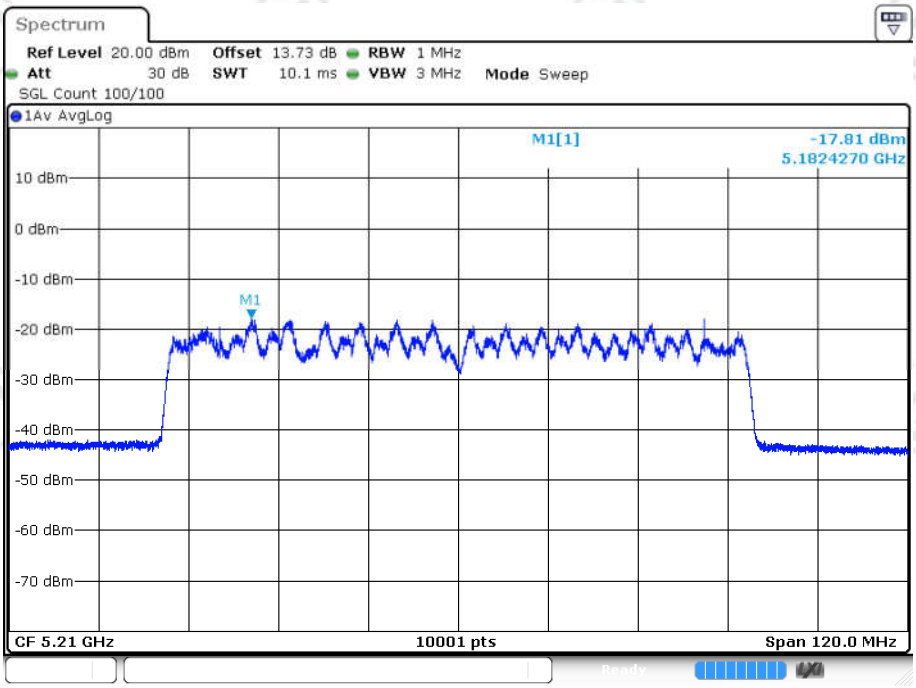
PSD NVNT ac40 5795MHz Ant1



Date: 19.OCT.2023 14:38:34

PSD NVNT ac80 5210MHz Ant1



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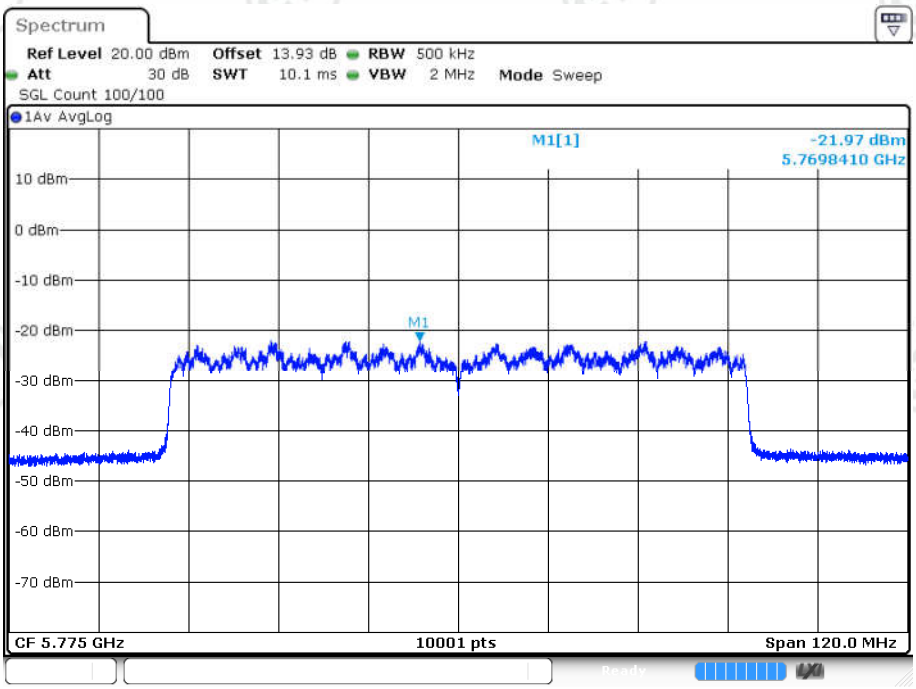
PSD NVNT ac80 5775MHz Ant1



Date: 19.OCT.2023 14:43:06

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 138V	a	5180	Ant1	5180	0	0	25	Pass
-20C 120V	a	5180	Ant1	5180	0	0	25	Pass
-10C 120V	a	5180	Ant1	5180	0	0	25	Pass
0C 120V	a	5180	Ant1	5180	0	0	25	Pass
10C 120V	a	5180	Ant1	5180	0	0	25	Pass
30C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant1	5180	0	0	25	Pass
50C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 102V	a	5240	Ant1	5240	0	0	25	Pass
20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant1	5240	0	0	25	Pass
-20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5240	0	0	25	Pass
0C 120V	a	5240	Ant1	5240	0	0	25	Pass
10C 120V	a	5240	Ant1	5240	0	0	25	Pass
30C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant1	5240	0	0	25	Pass
50C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	a	5745	Ant1	5745	0	0	25	Pass
20C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 138V	a	5745	Ant1	5745	0	0	25	Pass
-20C 120V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 120V	a	5745	Ant1	5745	0	0	25	Pass
0C 120V	a	5745	Ant1	5745	0	0	25	Pass
10C 120V	a	5745	Ant1	5745	0	0	25	Pass
30C 120V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	a	5825	Ant1	5825	0	0	25	Pass
-20C 120V	a	5825	Ant1	5825	0	0	25	Pass
-10C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
0C 120V	a	5825	Ant1	5825	0	0	25	Pass
10C 120V	a	5825	Ant1	5825	0	0	25	Pass

30C 120V	a	5825	Ant1	5825	0	0	25	Pass
40C 120V	a	5825	Ant1	5825	0	0	25	Pass
50C 120V	a	5825	Ant1	5825	0	0	25	Pass
20C 102V	n20	5180	Ant1	5180	0	0	25	Pass
20C 120V	n20	5180	Ant1	5180	0	0	25	Pass
20C 138V	n20	5180	Ant1	5180	0	0	25	Pass
-20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	n20	5180	Ant1	5180	0	0	25	Pass
10C 120V	n20	5180	Ant1	5180	0	0	25	Pass
30C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant1	5180	0	0	25	Pass
50C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	n20	5240	Ant1	5240	0	0	25	Pass
20C 138V	n20	5240	Ant1	5240	0	0	25	Pass
-20C 120V	n20	5240	Ant1	5240	0	0	25	Pass
-10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	n20	5240	Ant1	5240	0	0	25	Pass
10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant1	5240	0	0	25	Pass
50C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 138V	n20	5745	Ant1	5745	0	0	25	Pass
-20C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 120V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 120V	n20	5745	Ant1	5745	0	0	25	Pass
40C 120V	n20	5745	Ant1	5745	0	0	25	Pass
50C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	n20	5825	Ant1	5825	0	0	25	Pass
20C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 138V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
0C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
10C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass

50C 120V	n20	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 102V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 138V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5190	0	0	25	Pass
10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
30C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
30C 120V	n40	5230	Ant1	5230	0	0	25	Pass
40C 120V	n40	5230	Ant1	5230	0	0	25	Pass
50C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
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10C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 120V	n40	5755	Ant1	5755	0	0	25	Pass
40C 120V	n40	5755	Ant1	5755	0	0	25	Pass
50C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 102V	n40	5795	Ant1	5795	0	0	25	Pass
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20C 138V	n40	5795	Ant1	5795	0	0	25	Pass
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10C 120V	n40	5795	Ant1	5795	0	0	25	Pass
30C 120V	n40	5795	Ant1	5795	0	0	25	Pass
40C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
50C 120V	n40	5795	Ant1	5795	0	0	25	Pass
20C 102V	ac20	5180	Ant1	5180	0	0	25	Pass

20C 120V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
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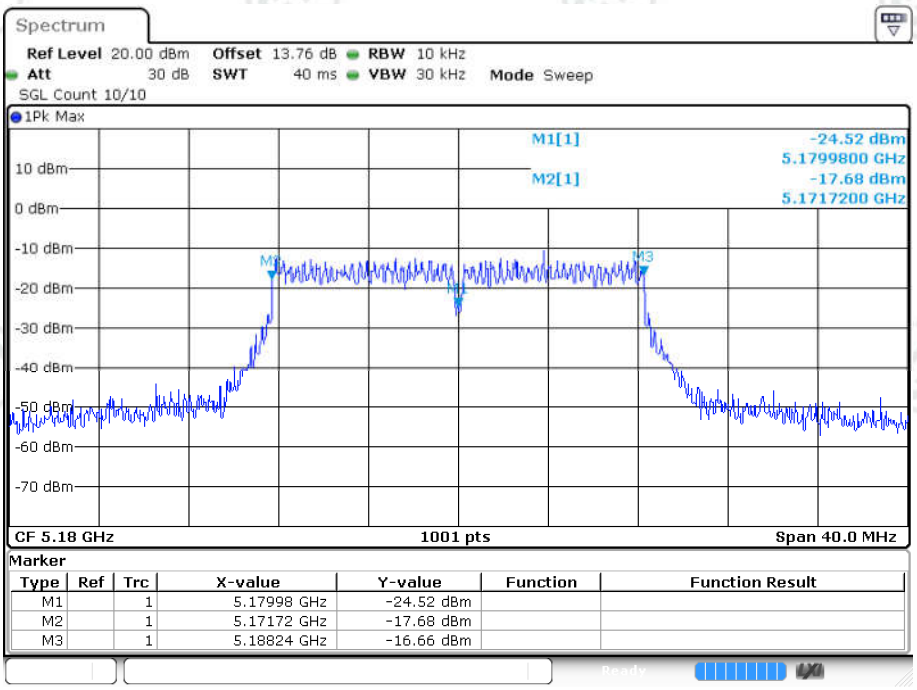
0C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
50C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 102V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 138V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
0C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
50C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 138V	ac20	5745	Ant1	5745	0	0	25	Pass
-20C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
-10C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
10C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
40C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
0C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
20C 102V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 138V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass

-20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
0C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
10C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
50C 120V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 102V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
20C 138V	ac40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 138V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-20C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 120V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
10C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
50C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 102V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 138V	ac40	5795	Ant1	5795	0	0	25	Pass
-20C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
-10C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
0C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
30C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
40C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
50C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 102V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant1	5210	0	0	25	Pass
-20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass

0C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	ac80	5775	Ant1	5775	0	0	25	Pass
20C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
20C 138V	ac80	5775	Ant1	5775	0	0	25	Pass
-20C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
-10C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
0C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
10C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
30C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
40C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
50C 120V	ac80	5775	Ant1	5775	0	0	25	Pass

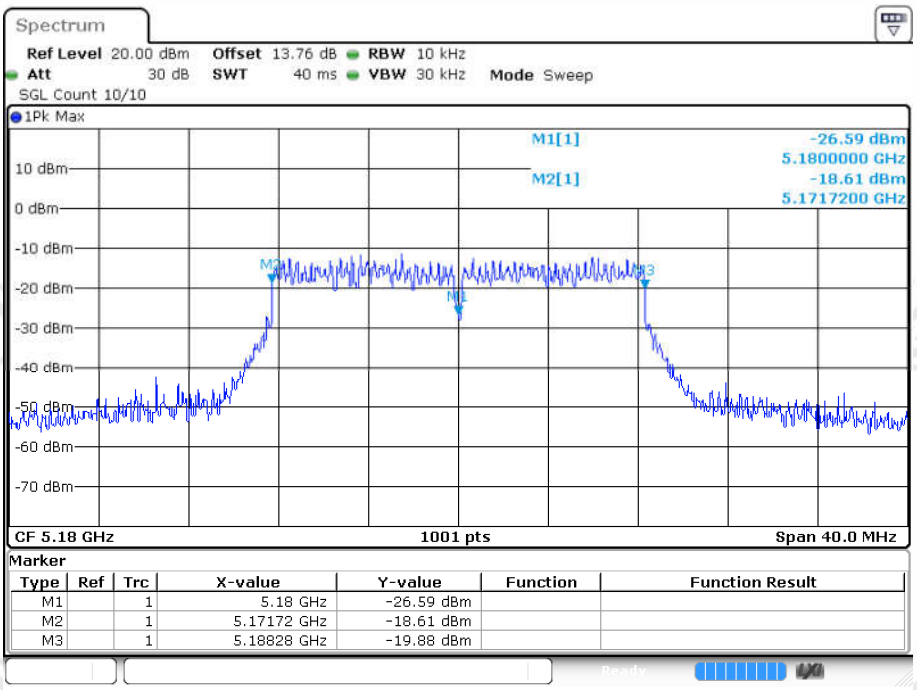
Test Graphs

Freq. Stability 20C 102V a 5180MHz Ant1



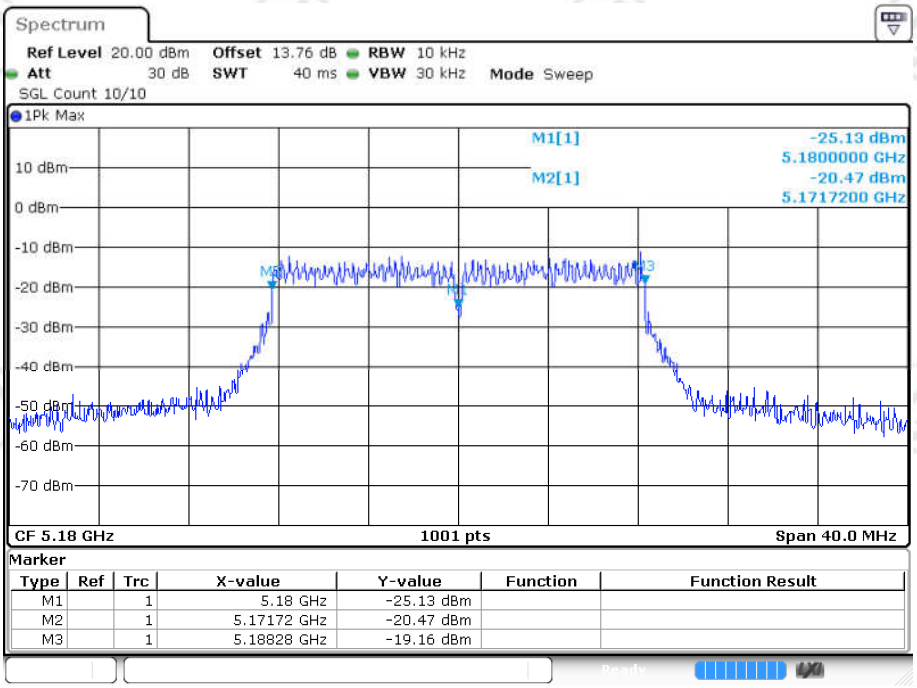
Date: 19.OCT.2023 13:26:21

Freq. Stability 20C 120V a 5180MHz Ant1



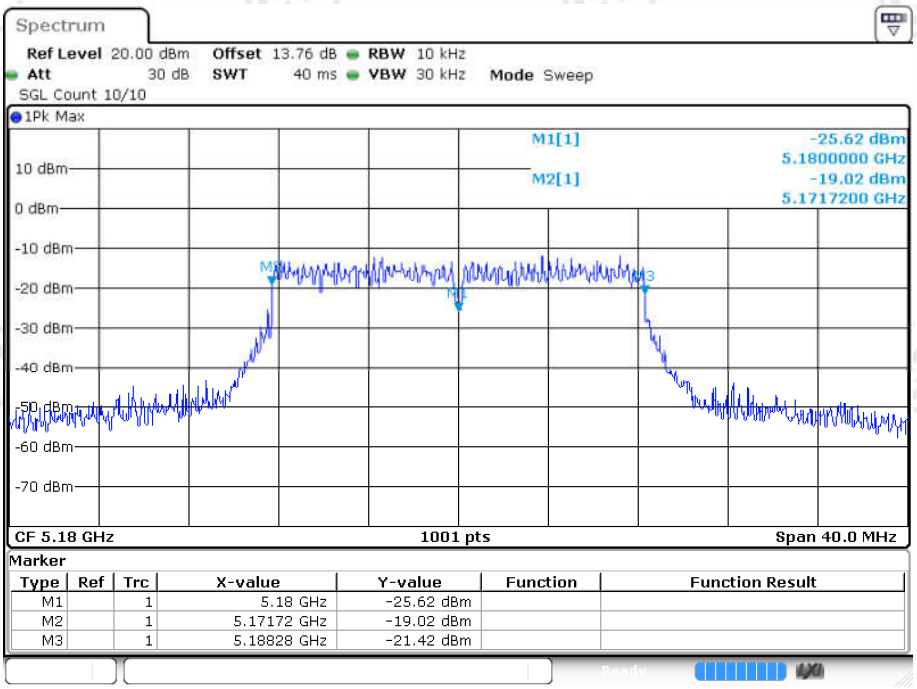
Date: 19.OCT.2023 13:26:42

Freq. Stability 20C 138V a 5180MHz Ant1



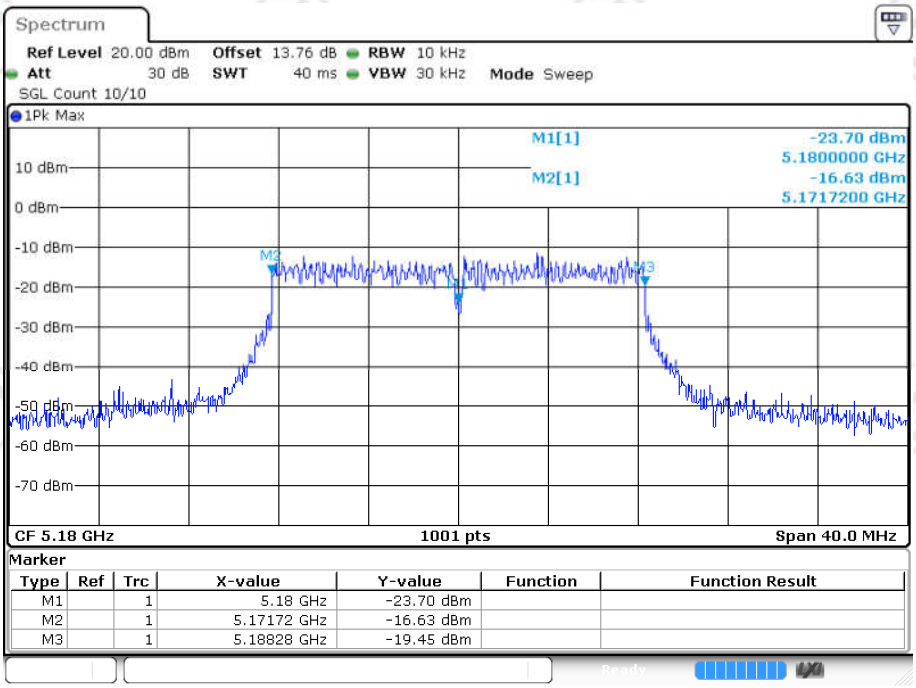
Date: 19.OCT.2023 13:26:27

Freq. Stability -20C 120V a 5180MHz Ant1



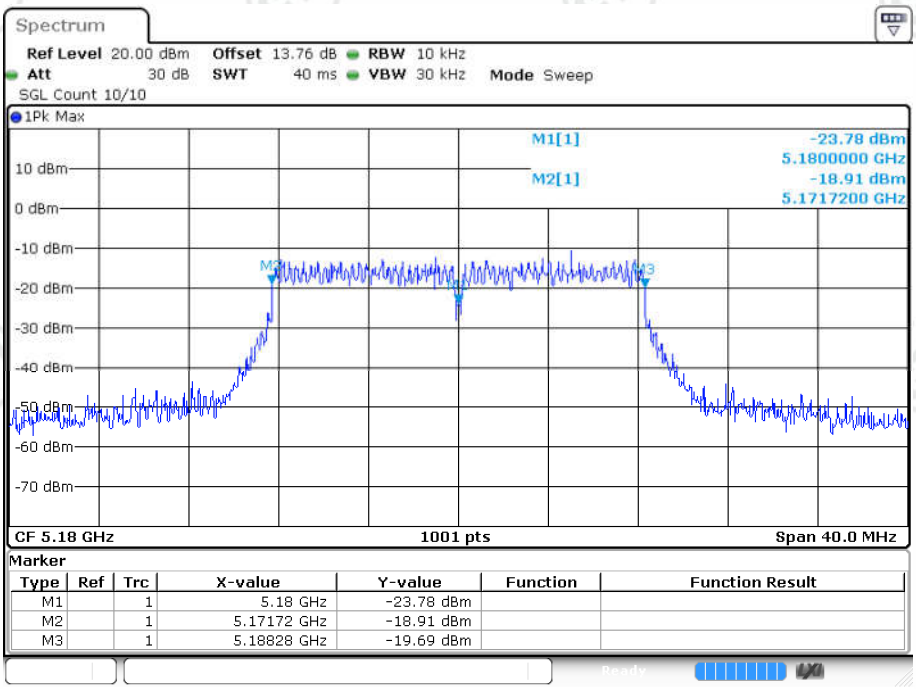
Date: 19.OCT.2023 13:26:30

Freq. Stability -10C 120V a 5180MHz Ant1



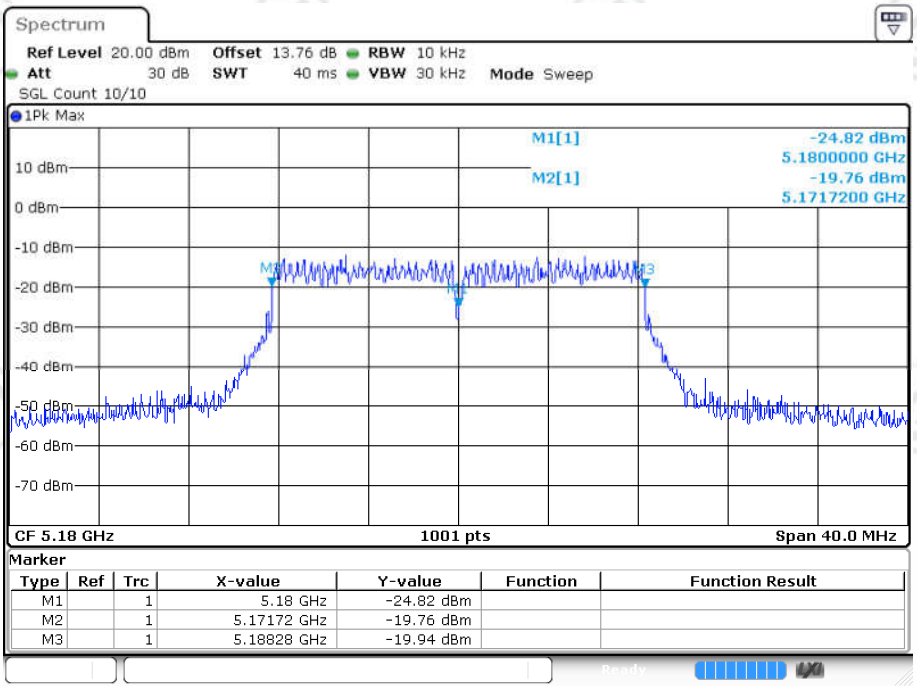
Date: 19.OCT.2023 13:26:33

Freq. Stability 0C 120V a 5180MHz Ant1



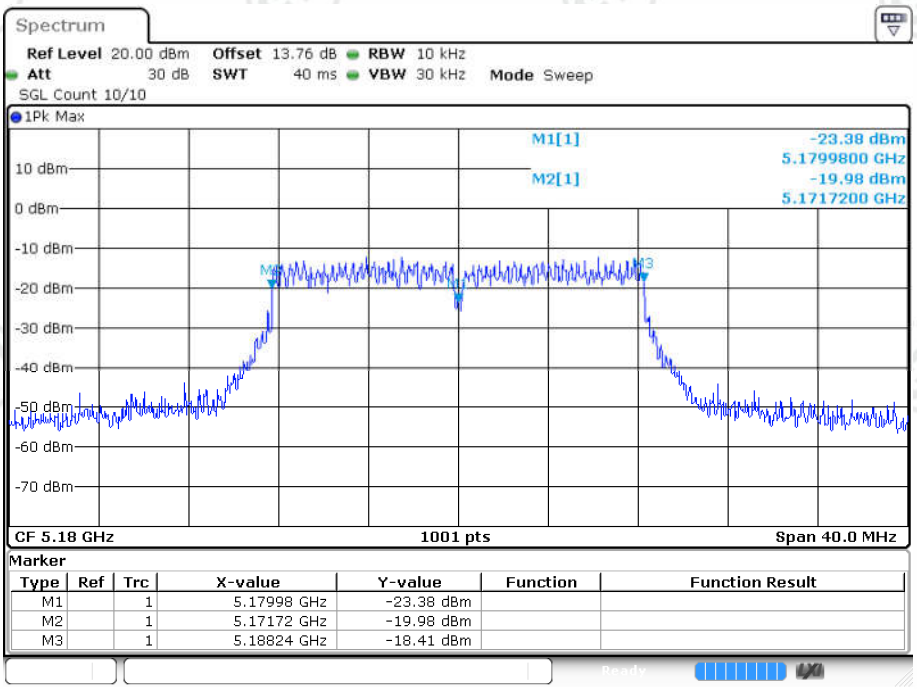
Date: 19.OCT.2023 13:26:36

Freq. Stability 10C 120V a 5180MHz Ant1



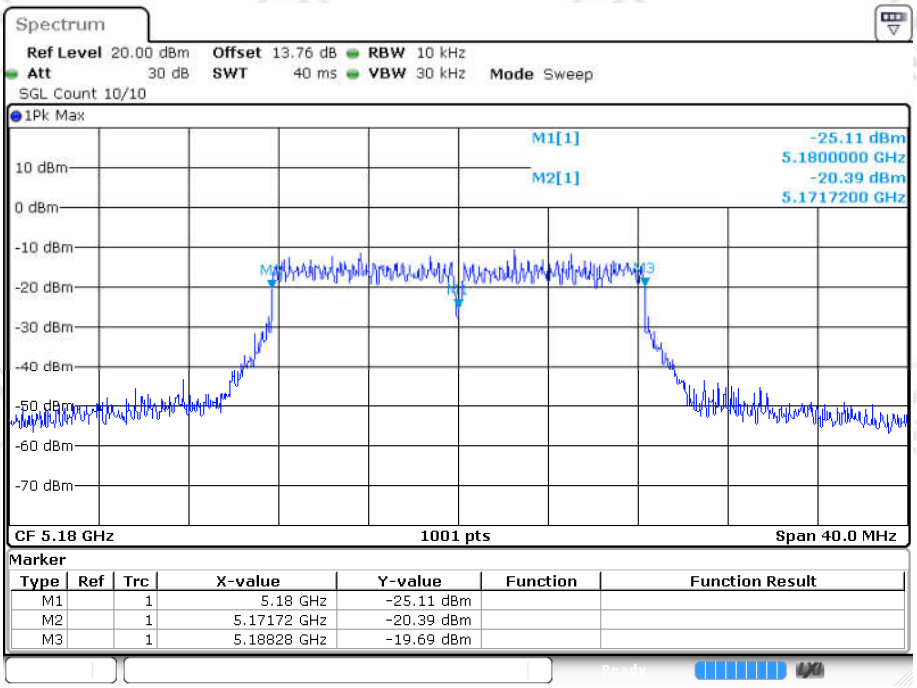
Date: 19.OCT.2023 13:26:39

Freq. Stability 30C 120V a 5180MHz Ant1



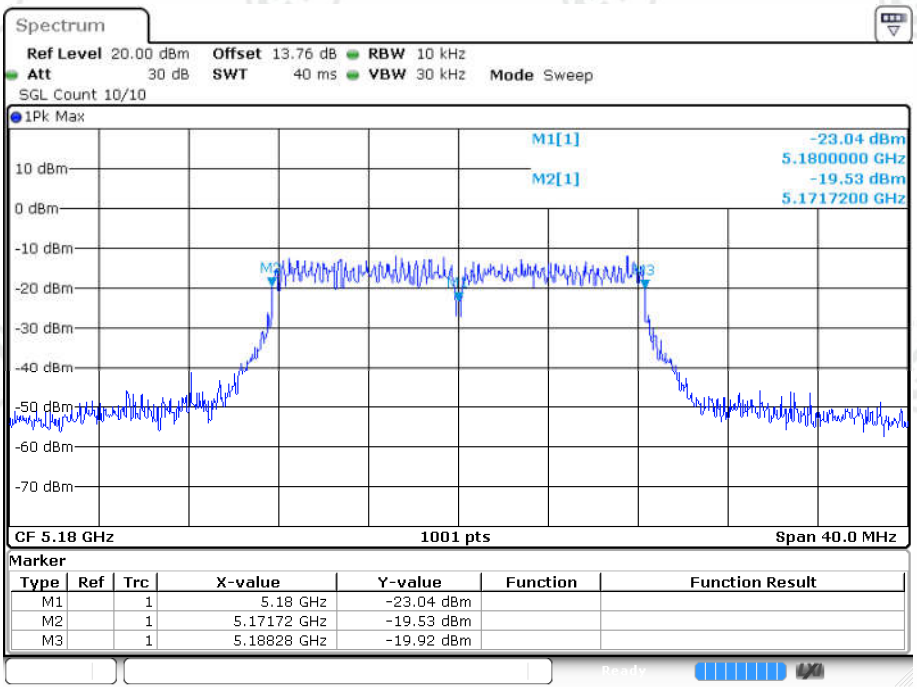
Date: 19.OCT.2023 13:26:45

Freq. Stability 40C 120V a 5180MHz Ant1



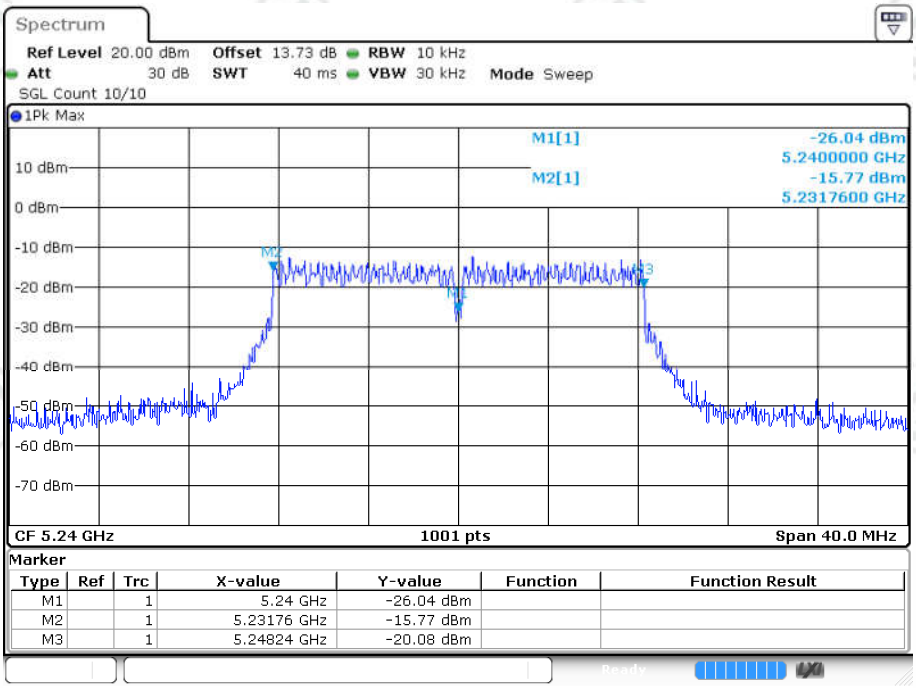
Date: 19.OCT.2023 13:26:48

Freq. Stability 50C 120V a 5180MHz Ant1



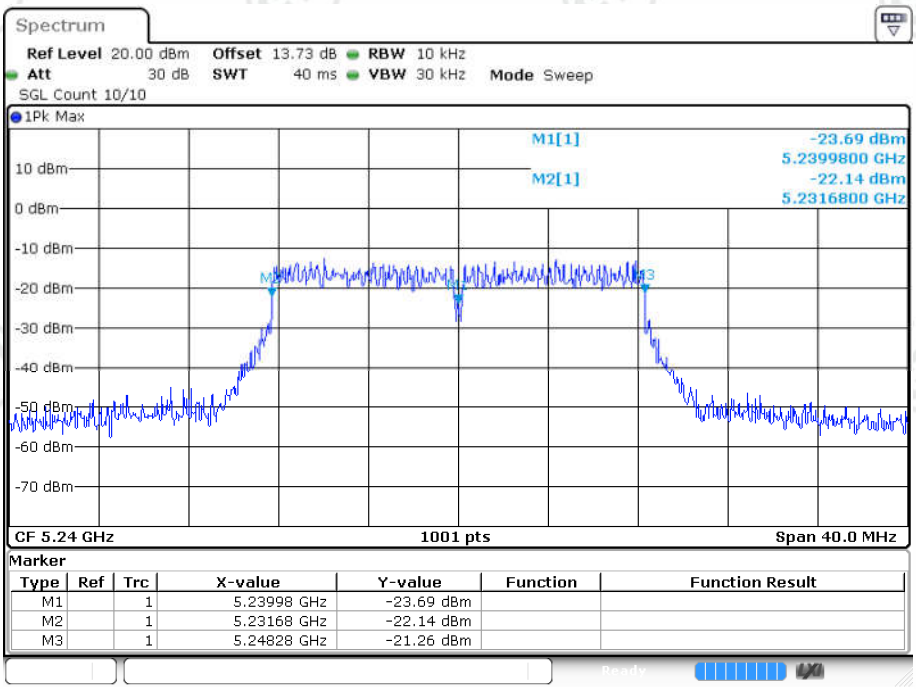
Date: 19.OCT.2023 13:26:51

Freq. Stability 20C 102V a 5240MHz Ant1



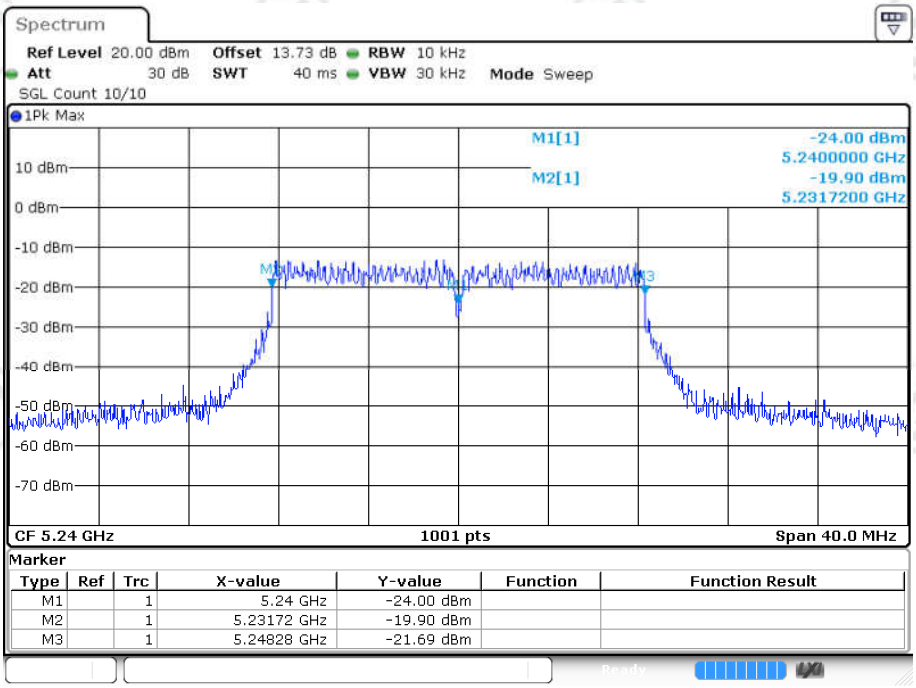
Date: 19.OCT.2023 13:30:03

Freq. Stability 20C 120V a 5240MHz Ant1



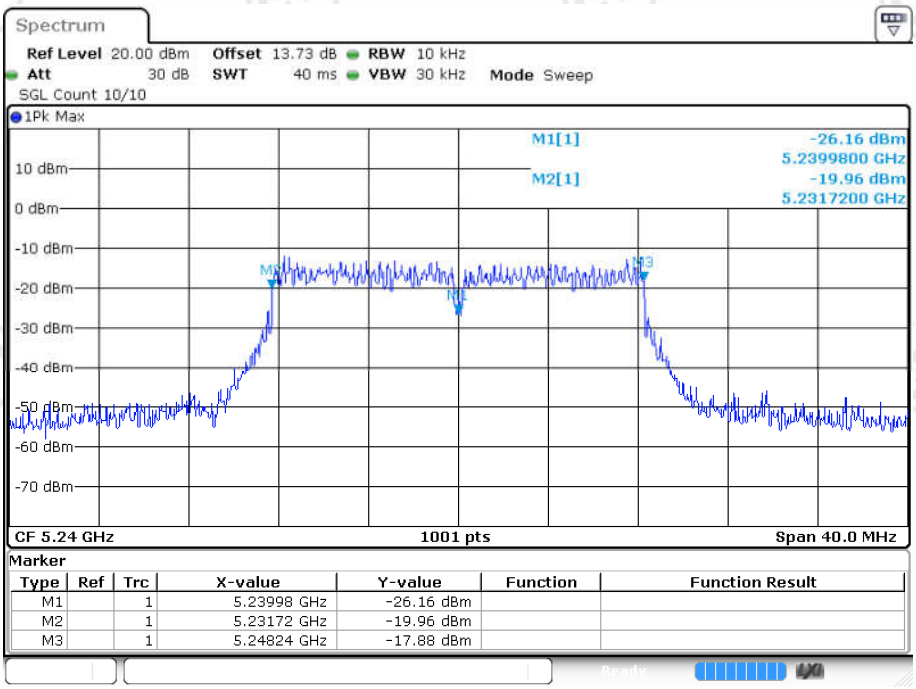
Date: 19.OCT.2023 13:30:24

Freq. Stability 20C 138V a 5240MHz Ant1



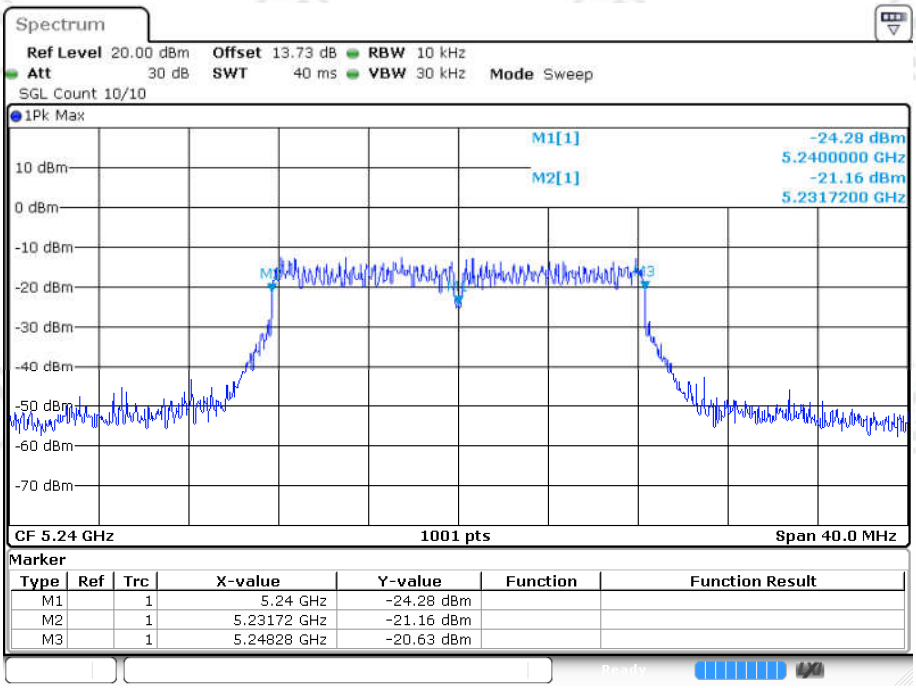
Date: 19.OCT.2023 13:30:09

Freq. Stability -20C 120V a 5240MHz Ant1



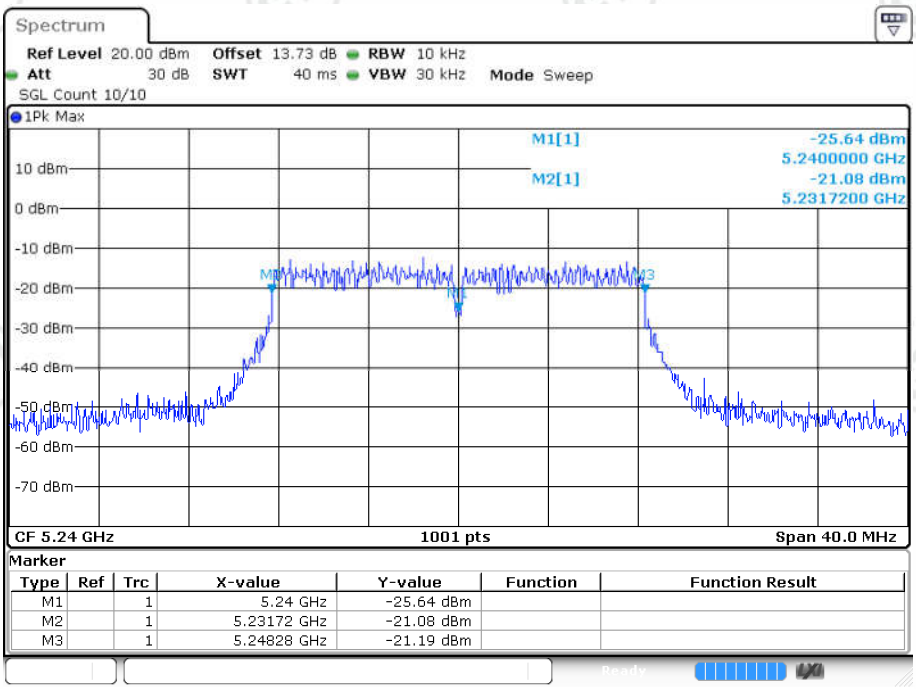
Date: 19.OCT.2023 13:30:12

Freq. Stability -10C 120V a 5240MHz Ant1



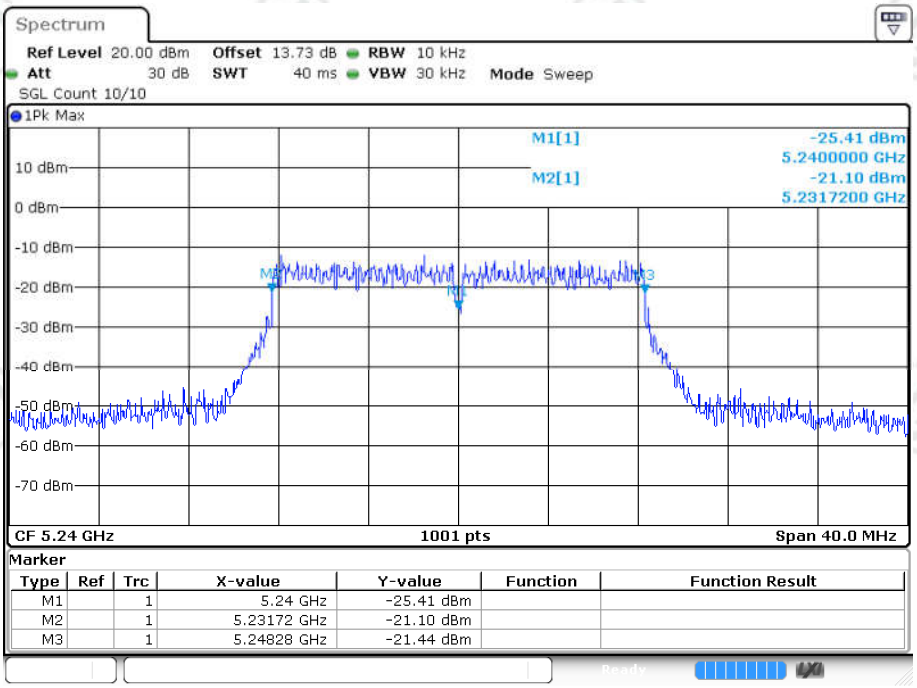
Date: 19.OCT.2023 13:30:15

Freq. Stability 0C 120V a 5240MHz Ant1



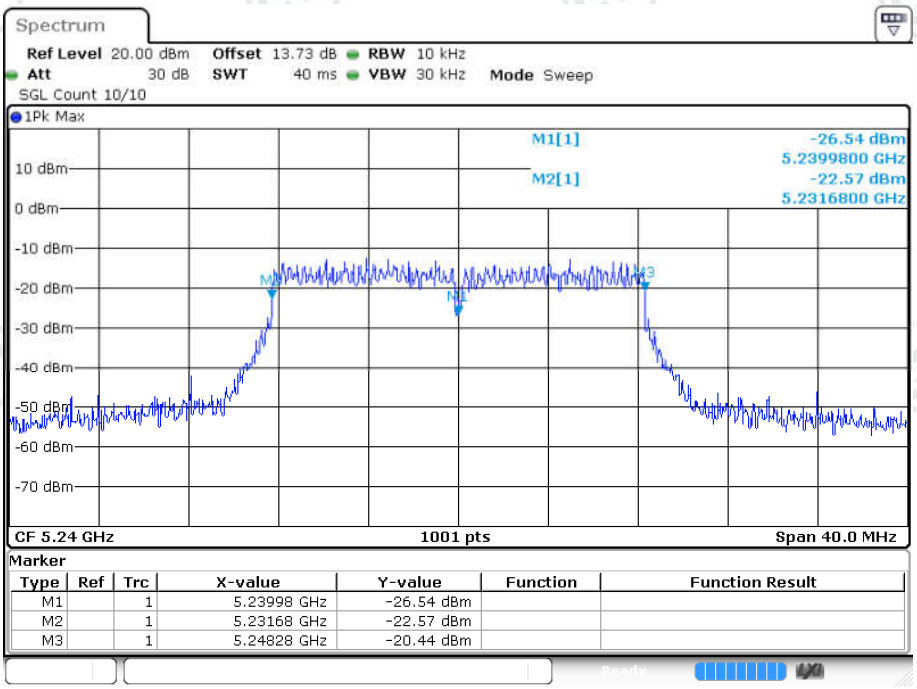
Date: 19.OCT.2023 13:30:18

Freq. Stability 10C 120V a 5240MHz Ant1



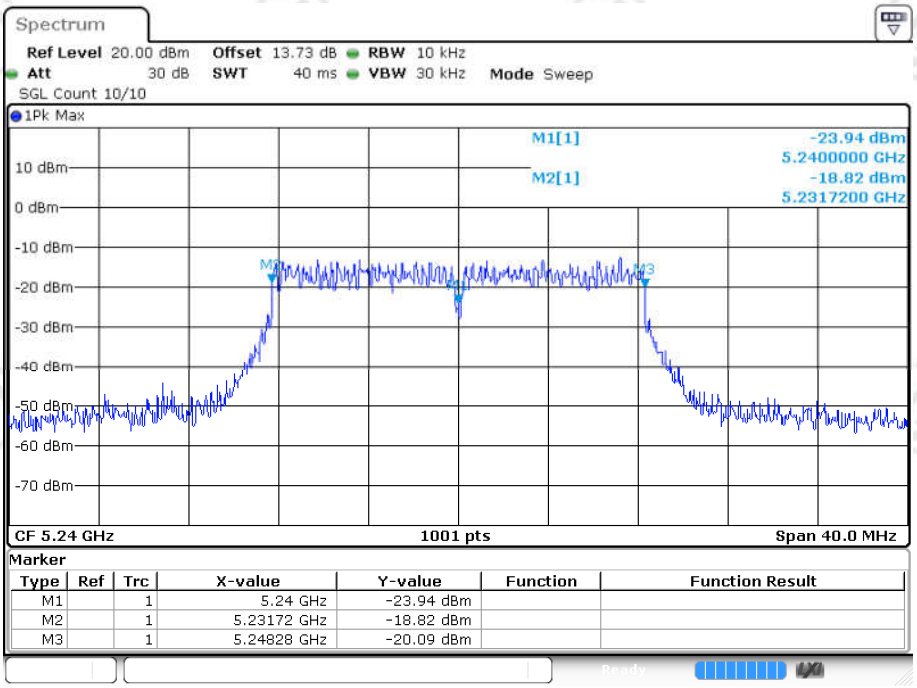
Date: 19.OCT.2023 13:30:21

Freq. Stability 30C 120V a 5240MHz Ant1



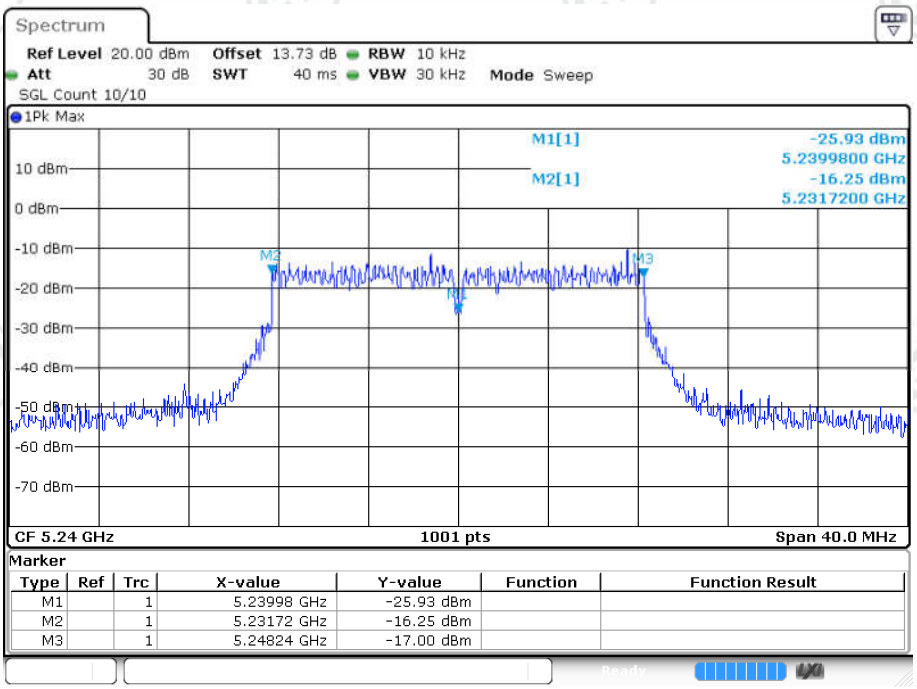
Date: 19.OCT.2023 13:30:27

Freq. Stability 40C 120V a 5240MHz Ant1



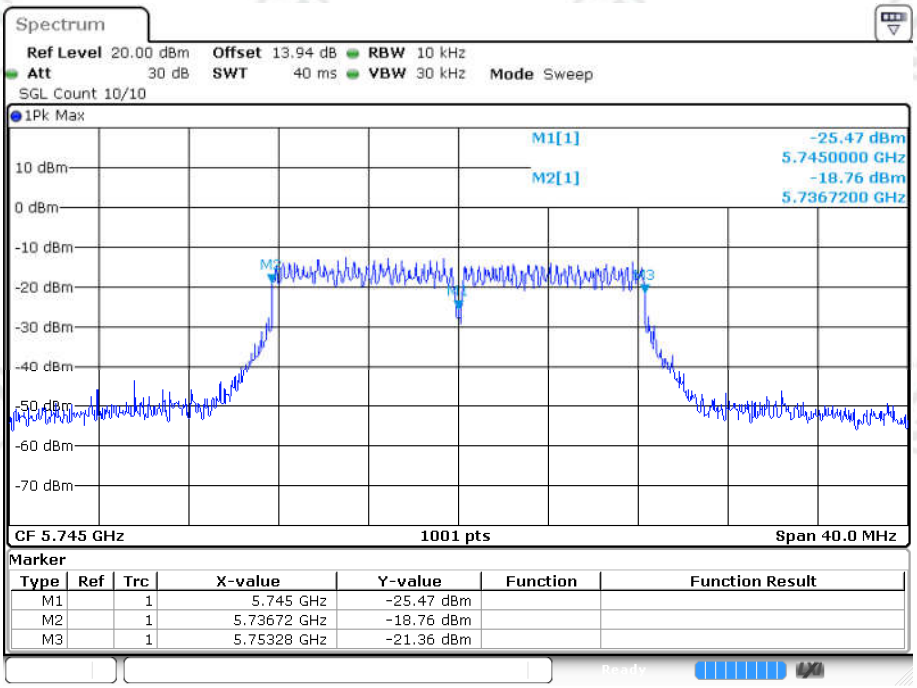
Date: 19.OCT.2023 13:30:30

Freq. Stability 50C 120V a 5240MHz Ant1



Date: 19.OCT.2023 13:30:33

Freq. Stability 20C 102V a 5745MHz Ant1



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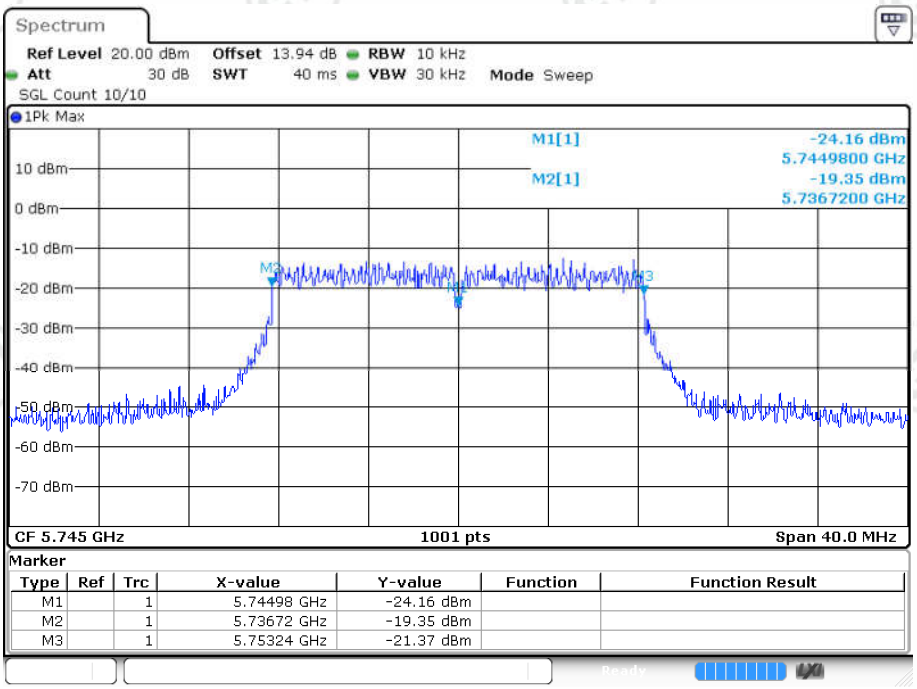
Freq. Stability 20C 120V a 5745MHz Ant1



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