Appendix: Bluetooth Classic

Contents

Dwell Time

Left ear

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.384	121.344	316	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.64	250.92	153	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.887	271.378	94	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.394	124.504	316	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.645	278.005	169	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.893	315.337	109	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.393	124.581	317	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.644	267.972	163	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.894	289.4	100	31600	400	Pass

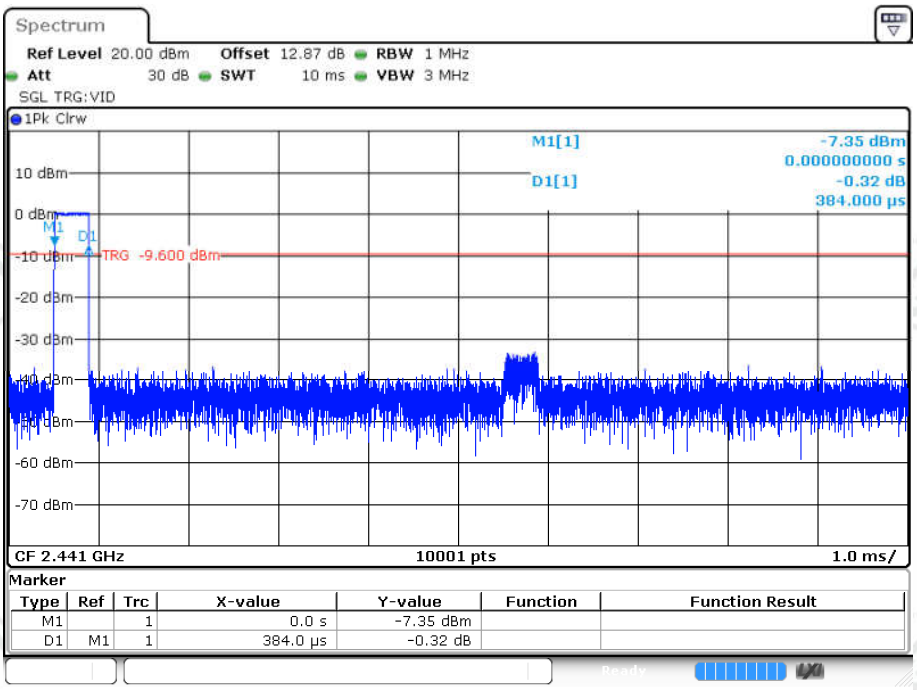
Right ear

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.384	121.728	317	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.64	252.56	154	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.888	329.232	114	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.393	123.795	315	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.645	241.815	147	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.894	298.082	103	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.394	124.504	316	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.644	276.192	168	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.894	248.884	86	31600	400	Pass

Left ear

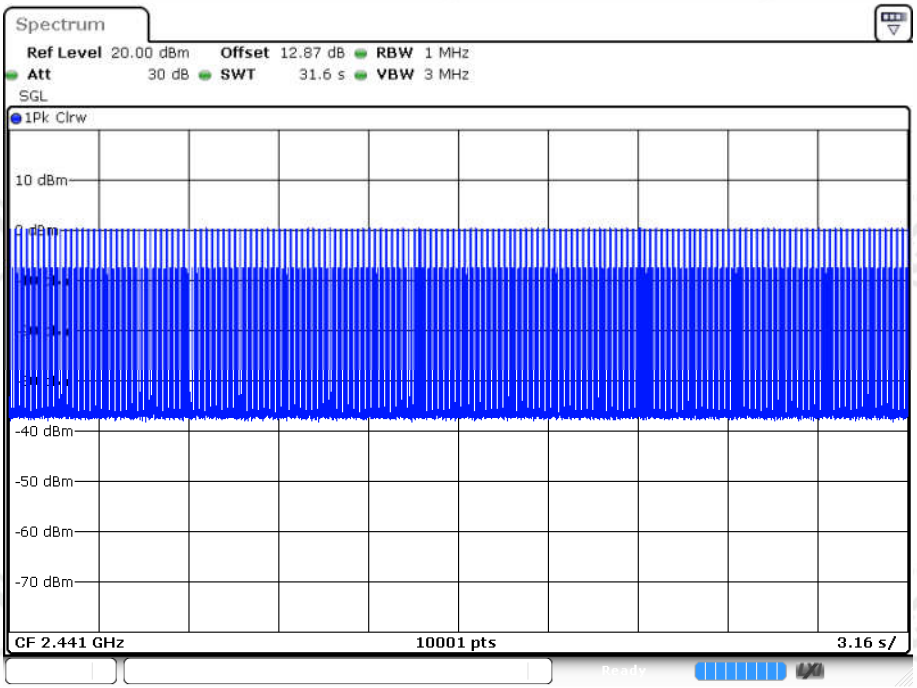
Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



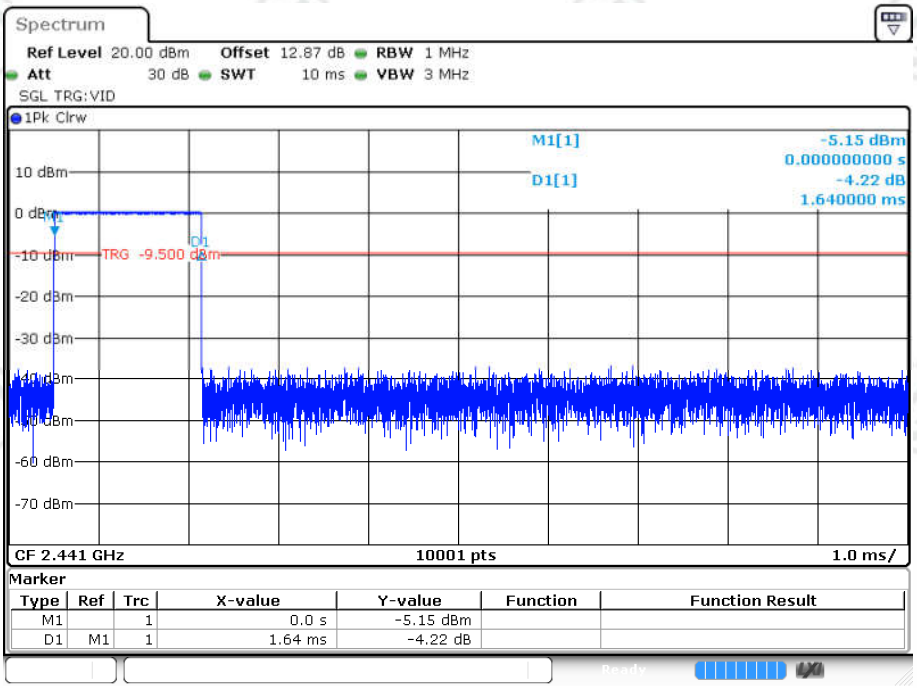
Date: 4.APR.2023 15:55:36

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



Date: 4.APR.2023 15:56:09

Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



Date: 4.APR.2023 15:59:17

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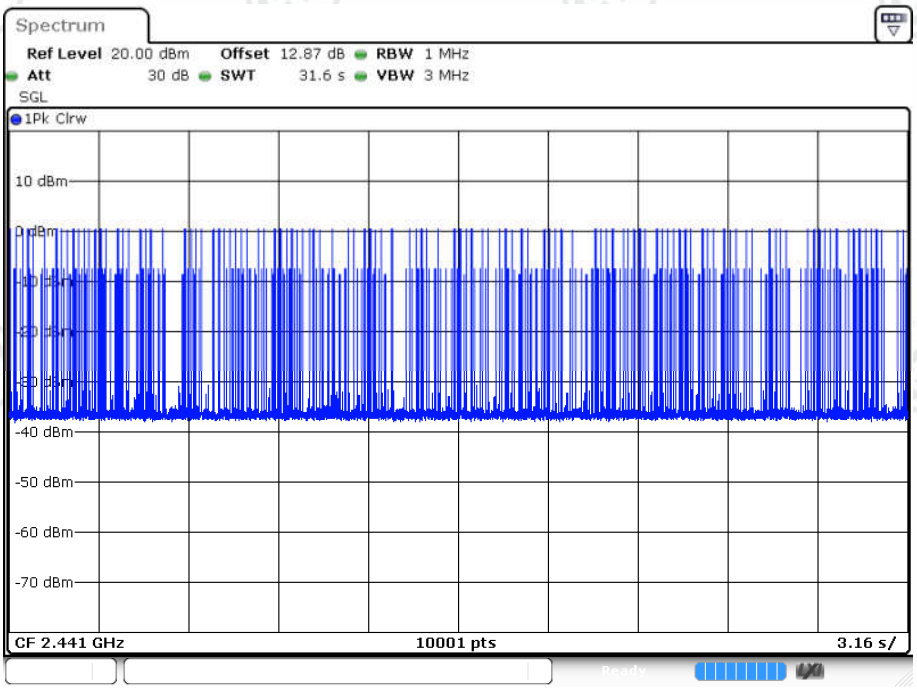

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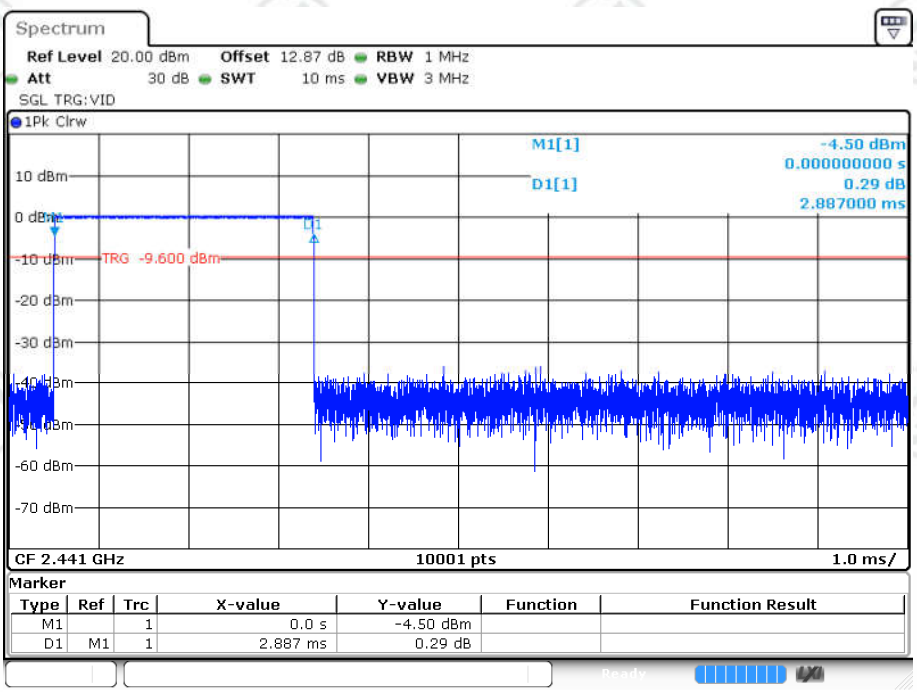
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



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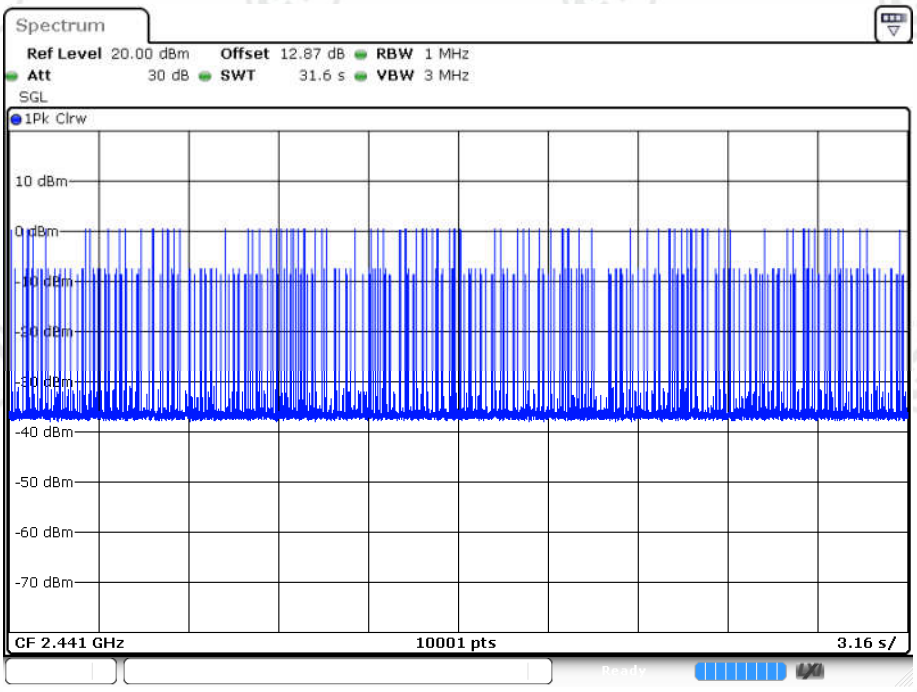
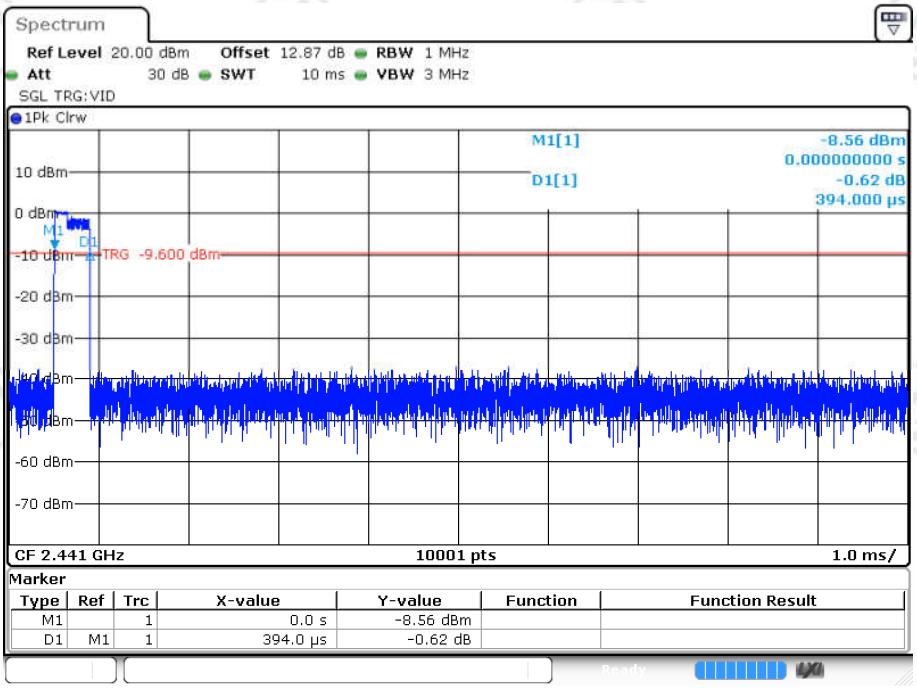
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



Date: 4.APR.2023 15:42:02

Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



Date: 4.APR.2023 16:00:14

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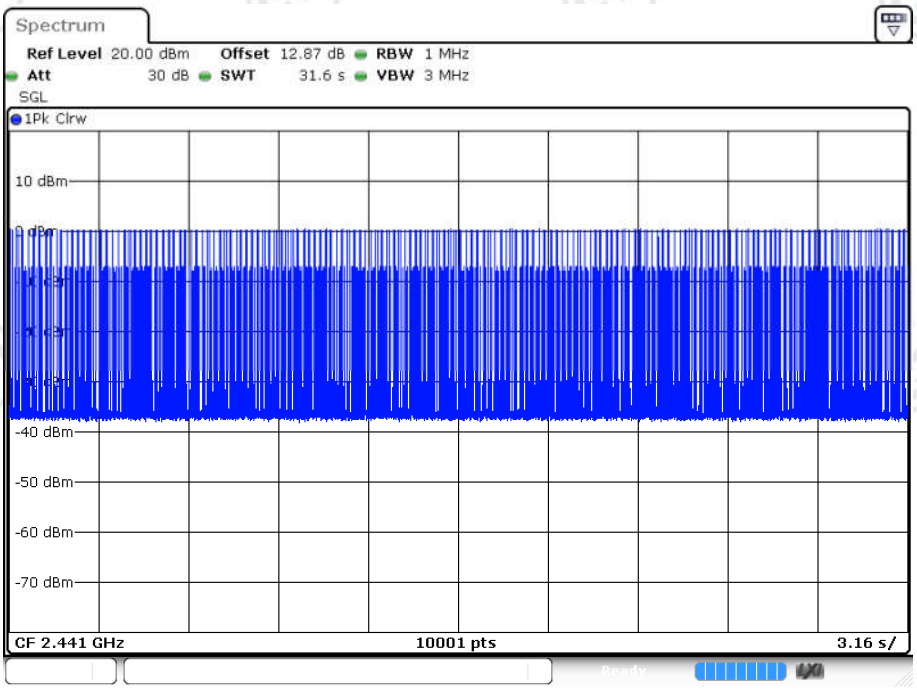

Date: 4.APR.2023 16:00:47

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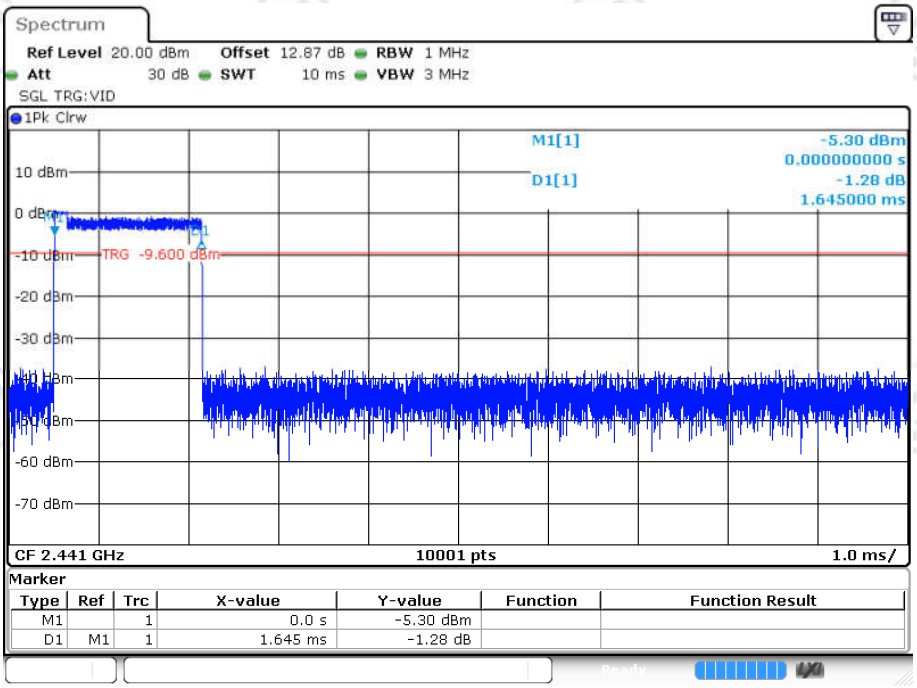

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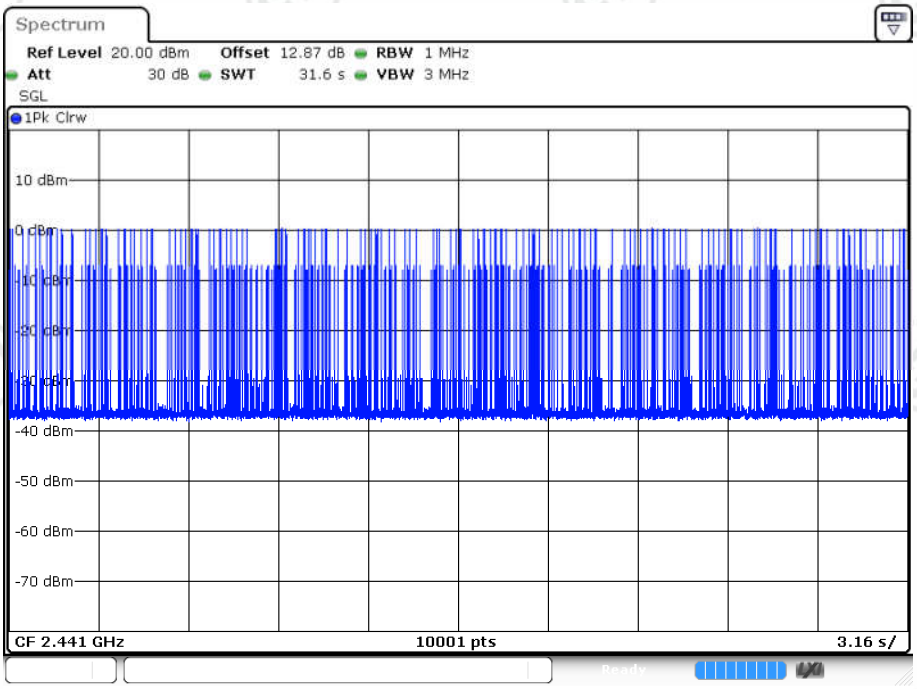

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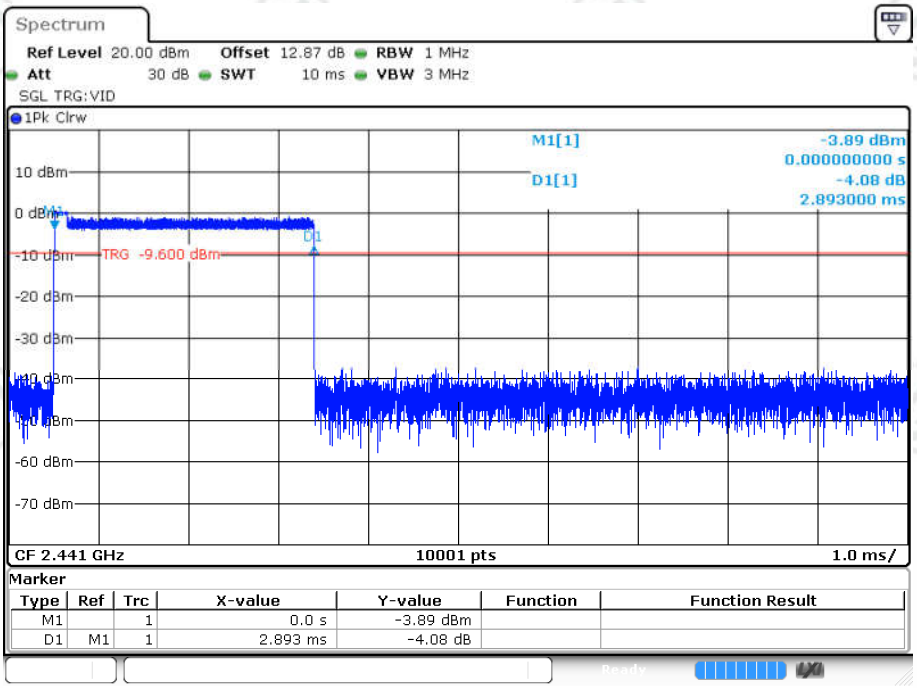
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



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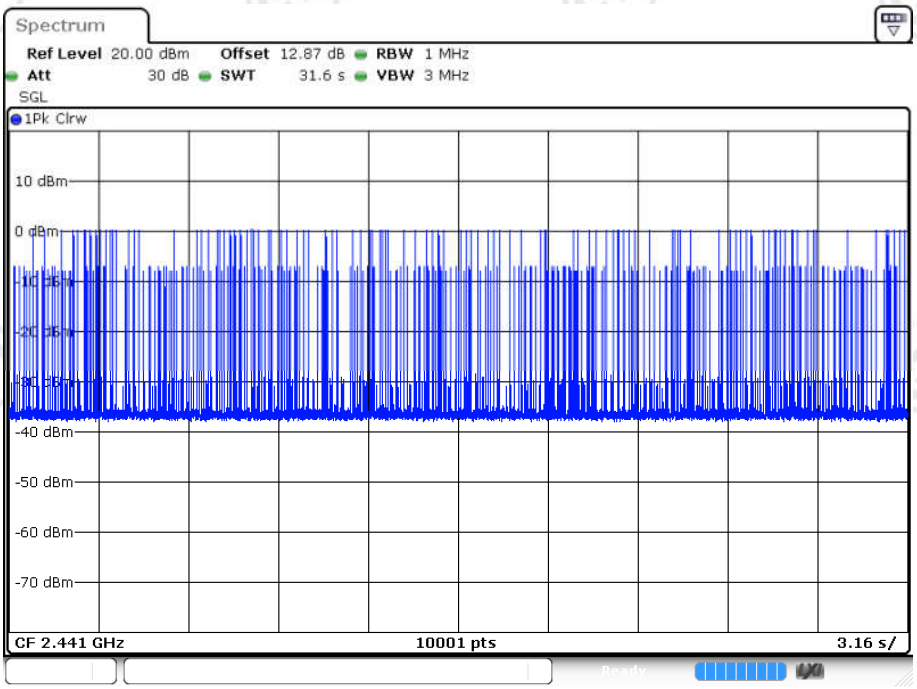

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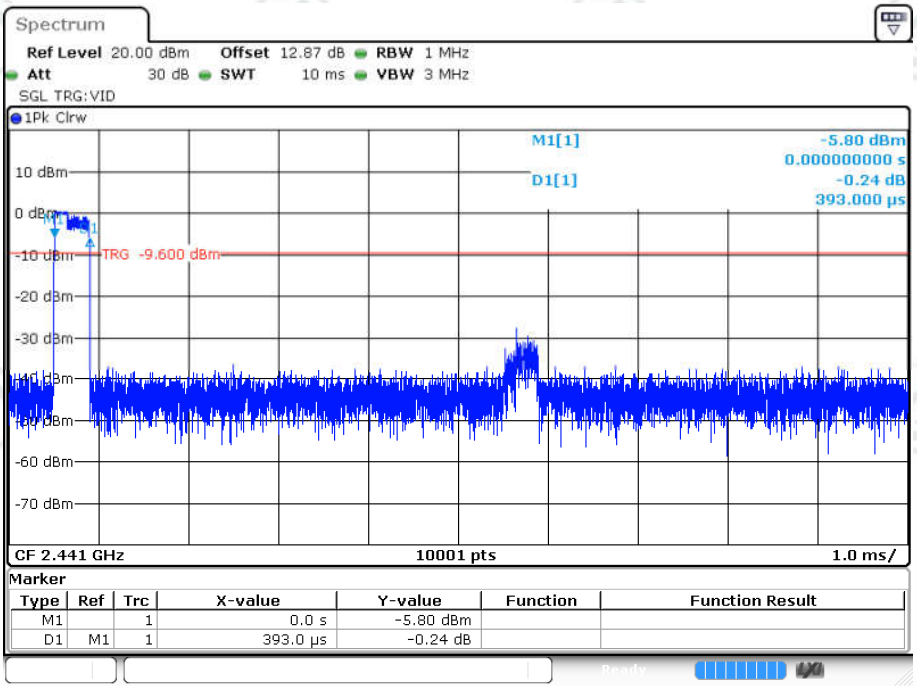
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



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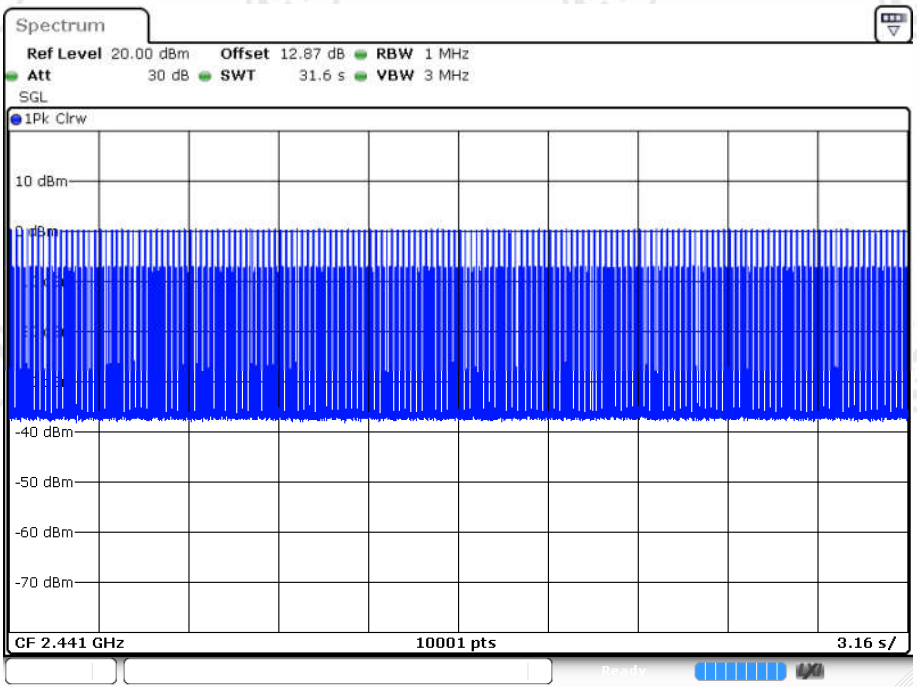
Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



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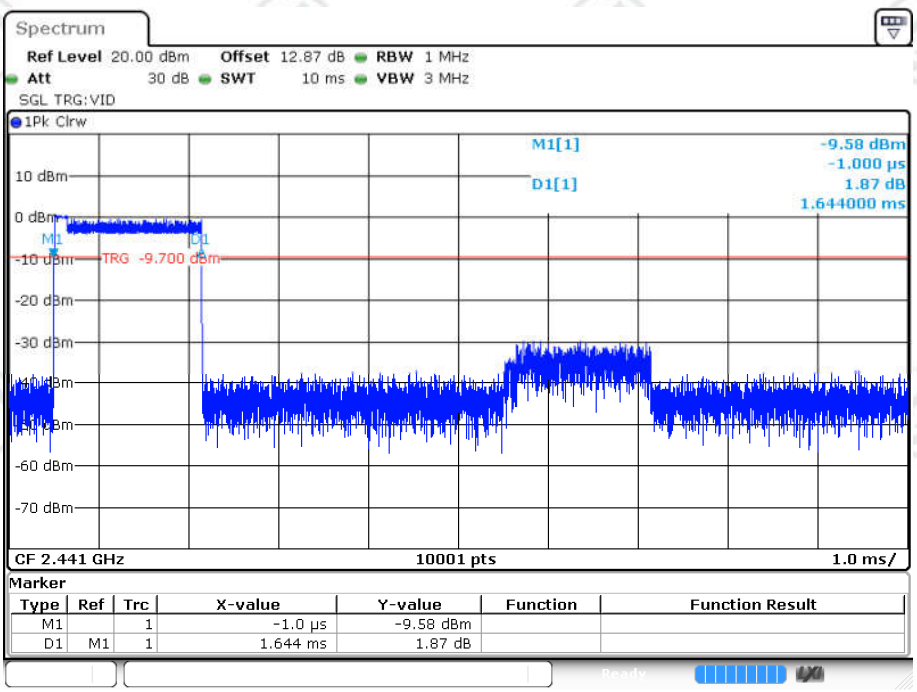
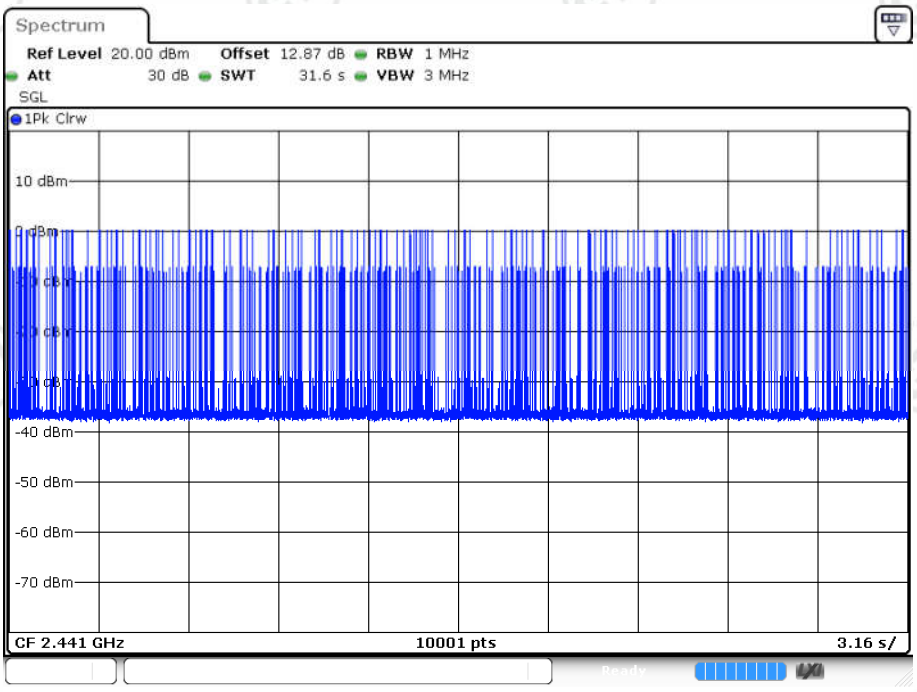
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



Date: 4.APR.2023 16:04:59

Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



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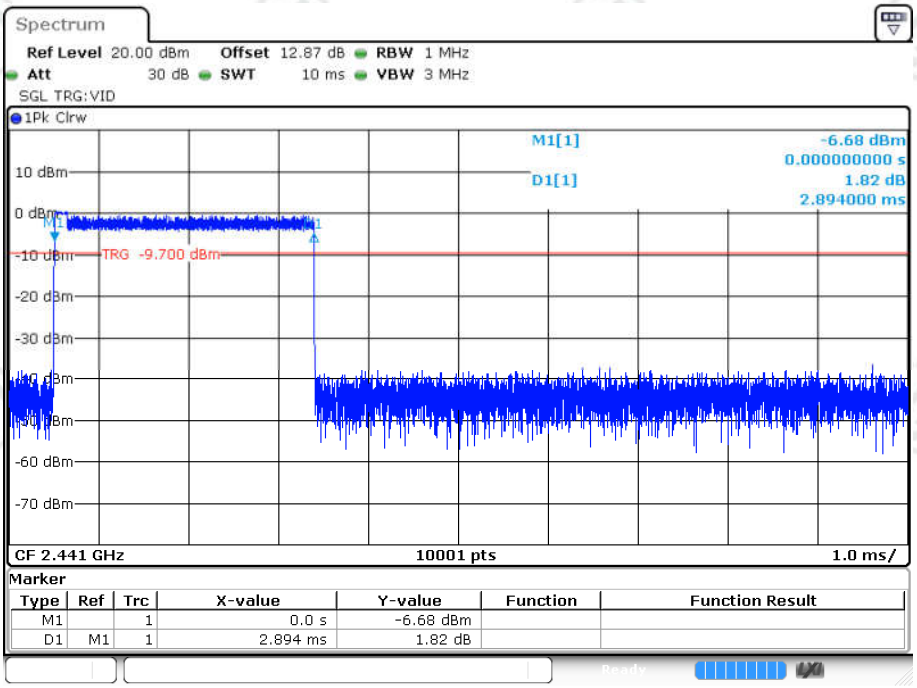
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



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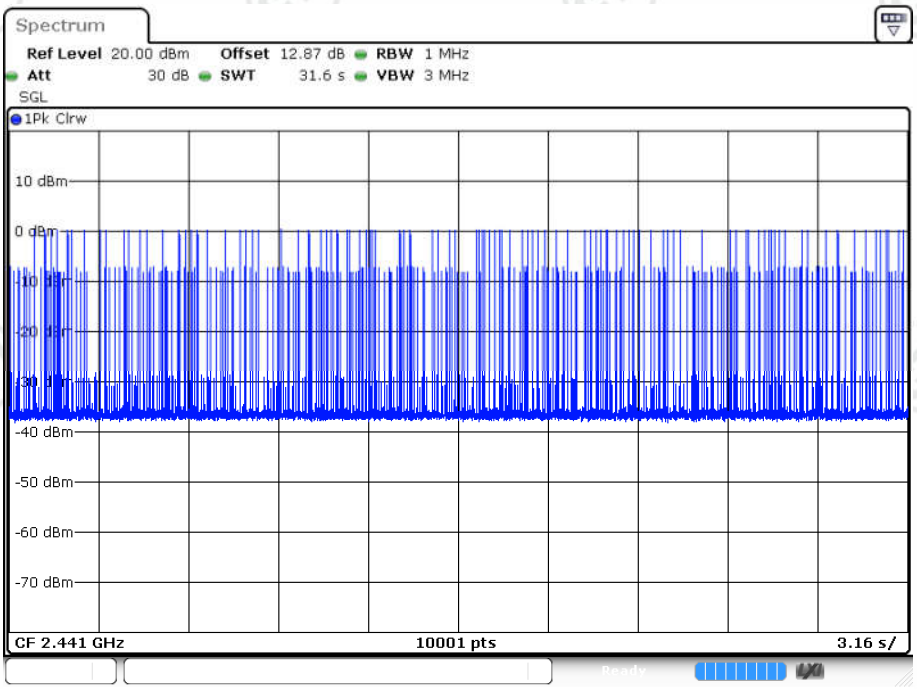
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



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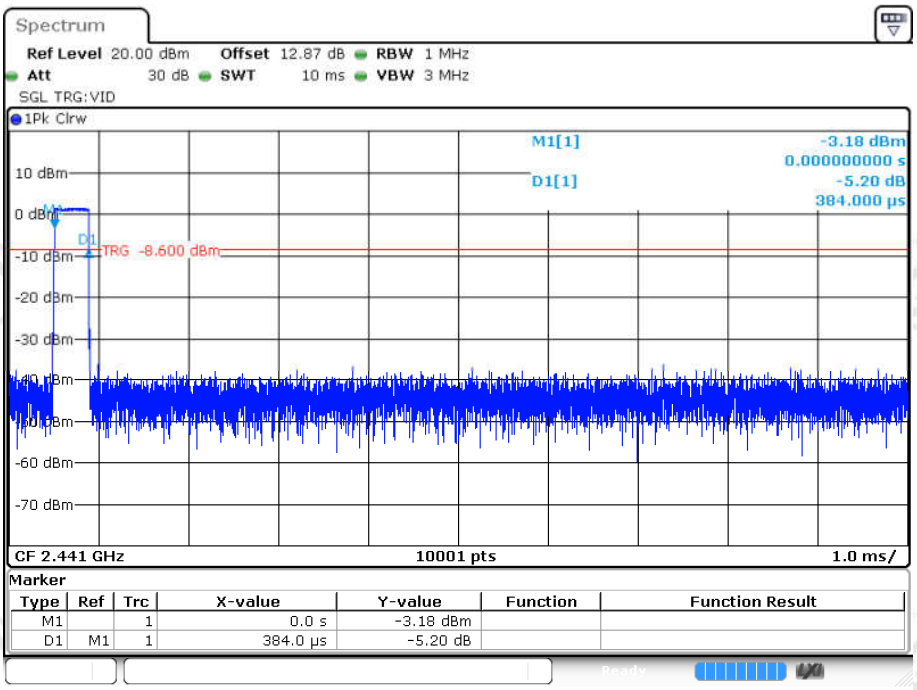
Right ear

Test Graphs
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



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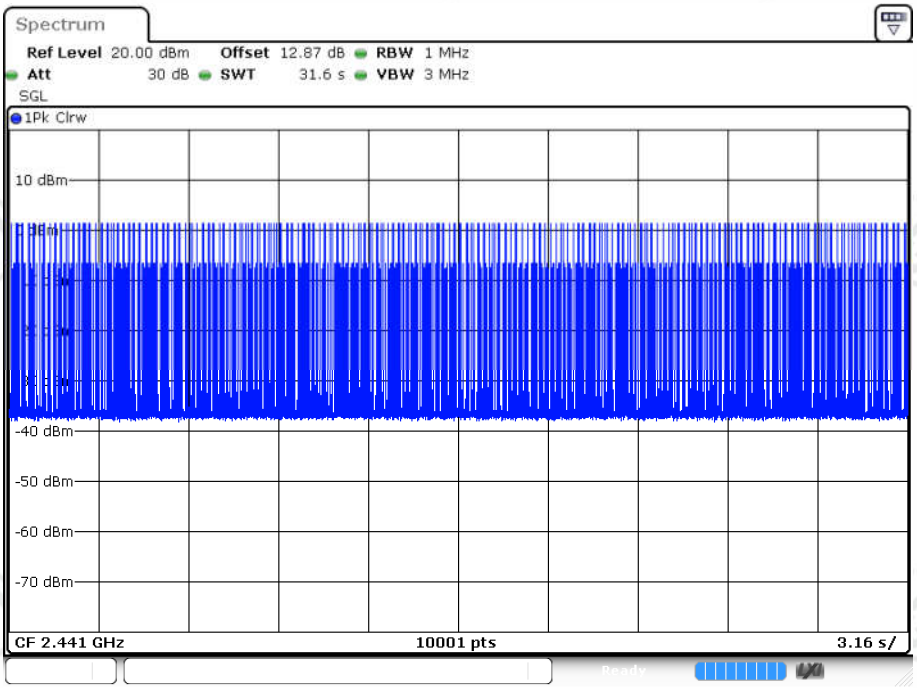
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



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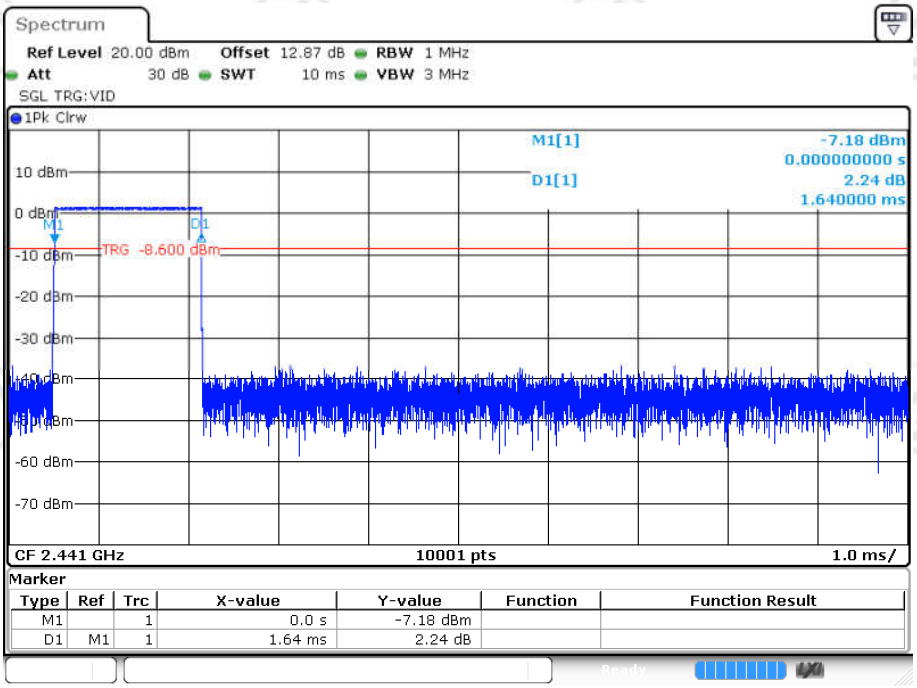

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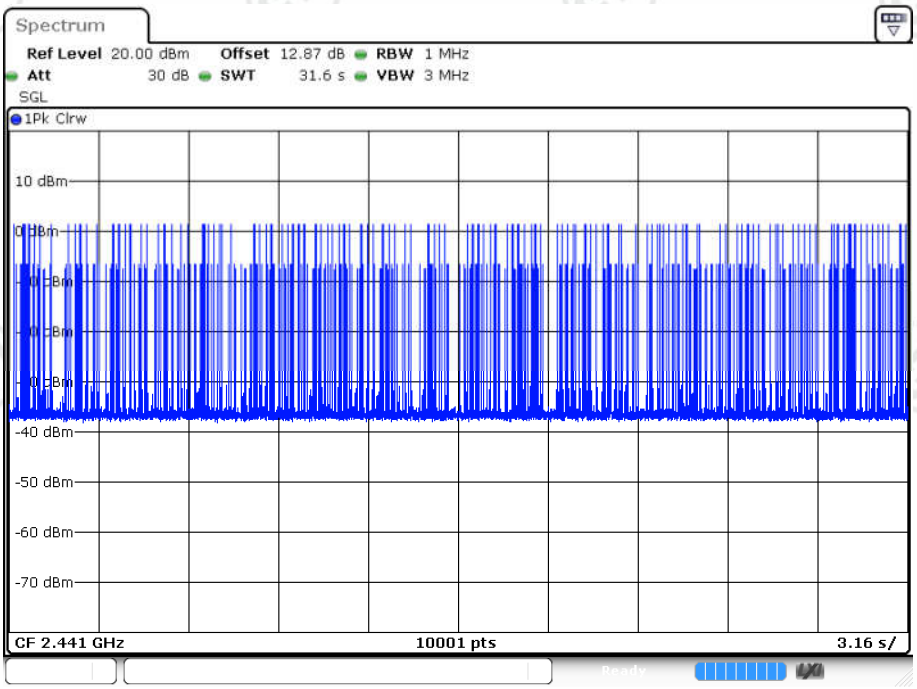

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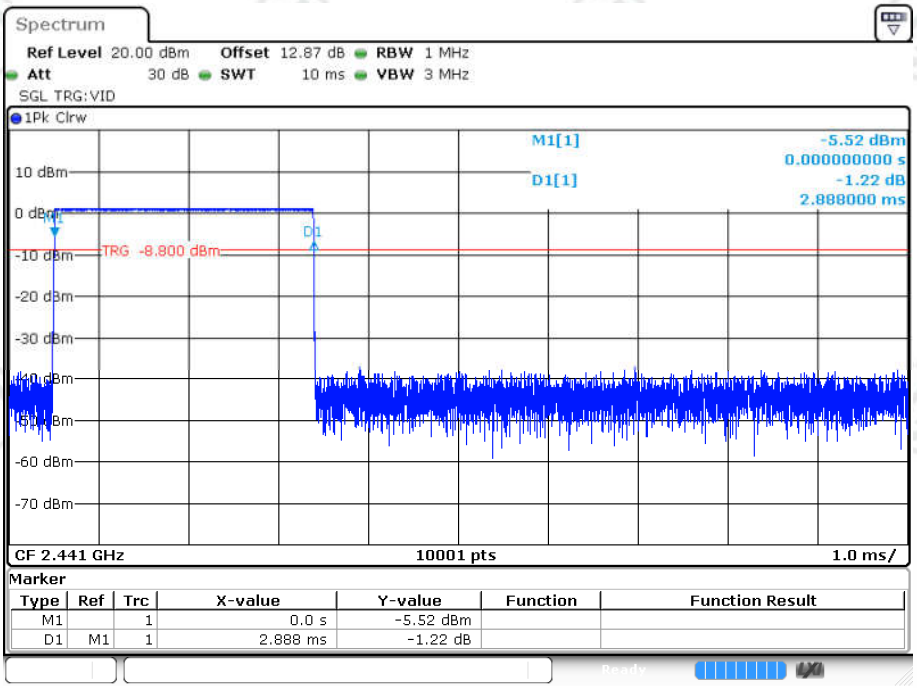
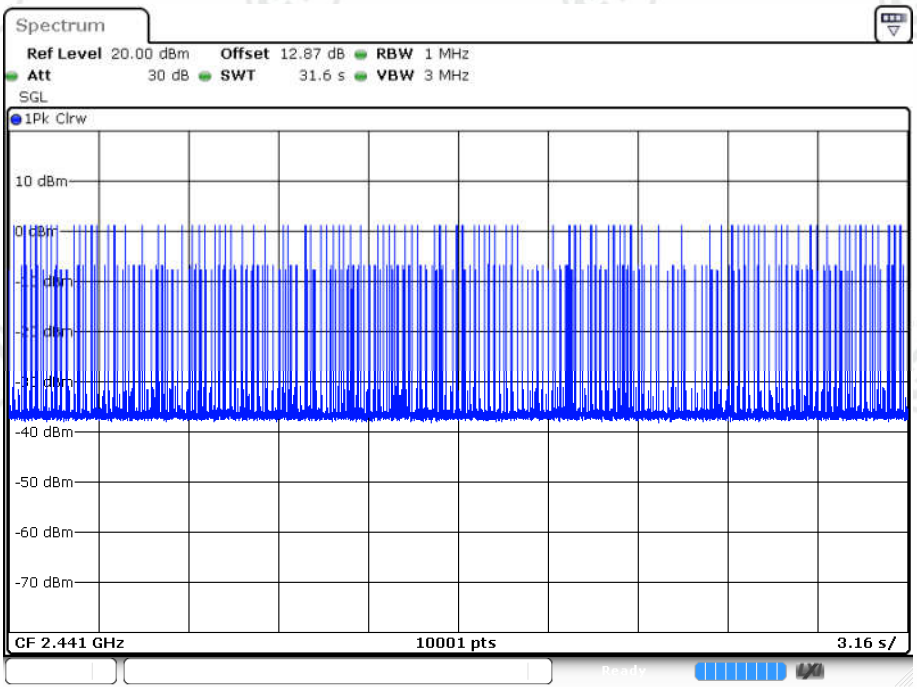
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Date: 6.APR.2023 11:20:01

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



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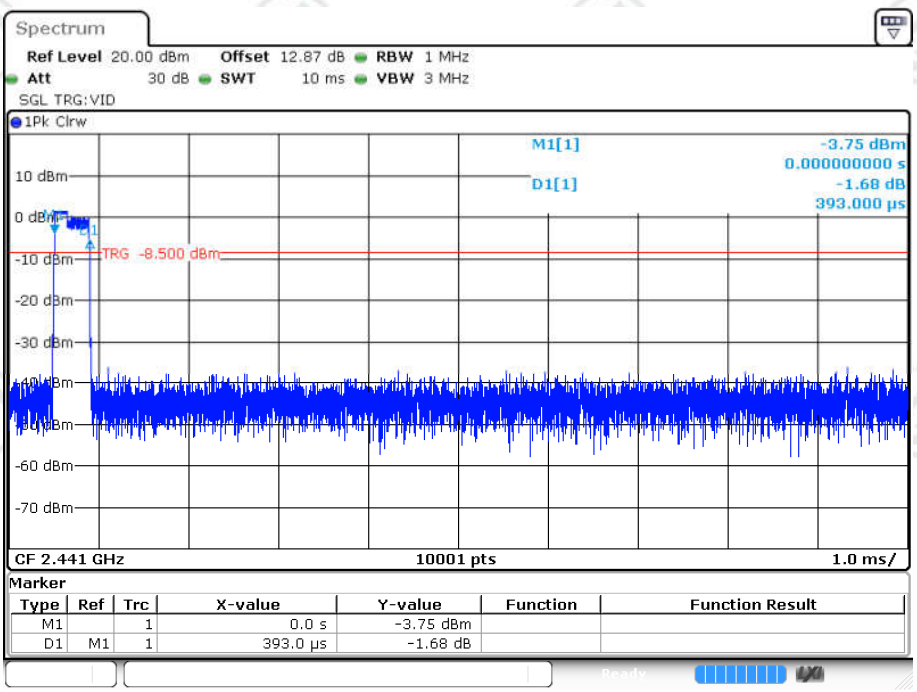
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



Date: 6.APR.2023 13:26:46

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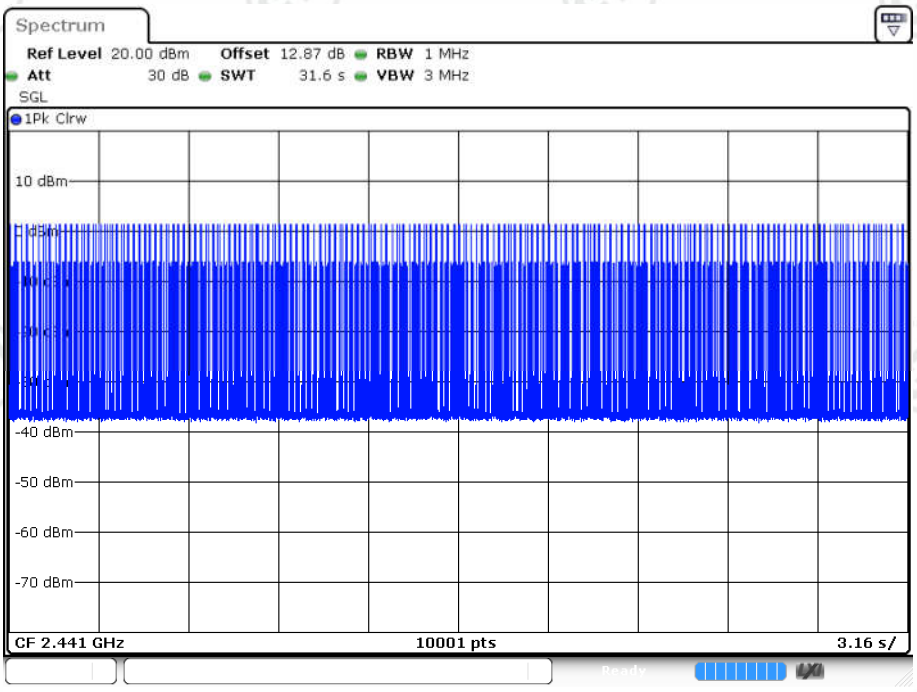
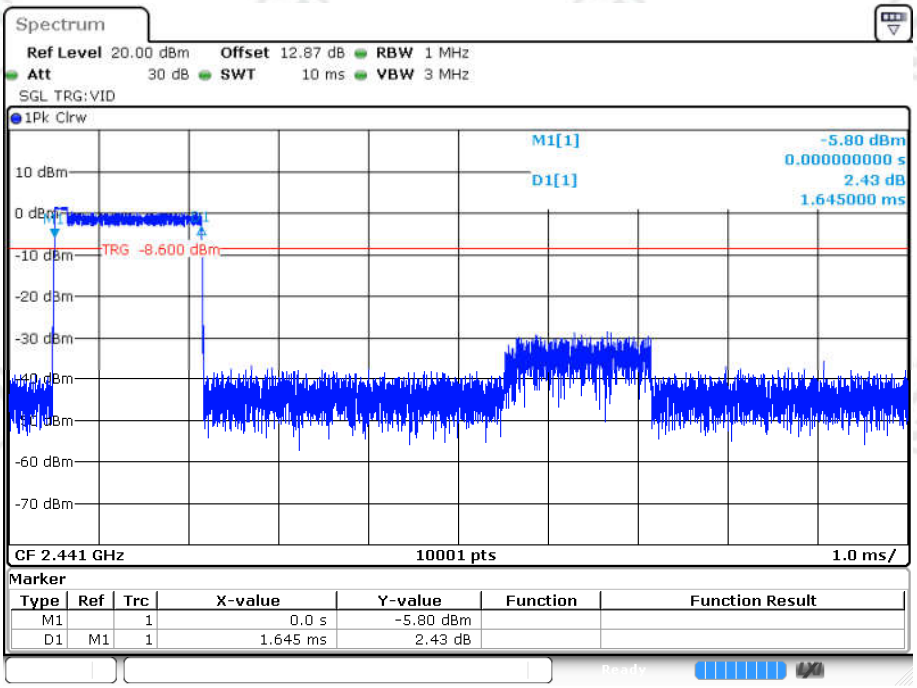


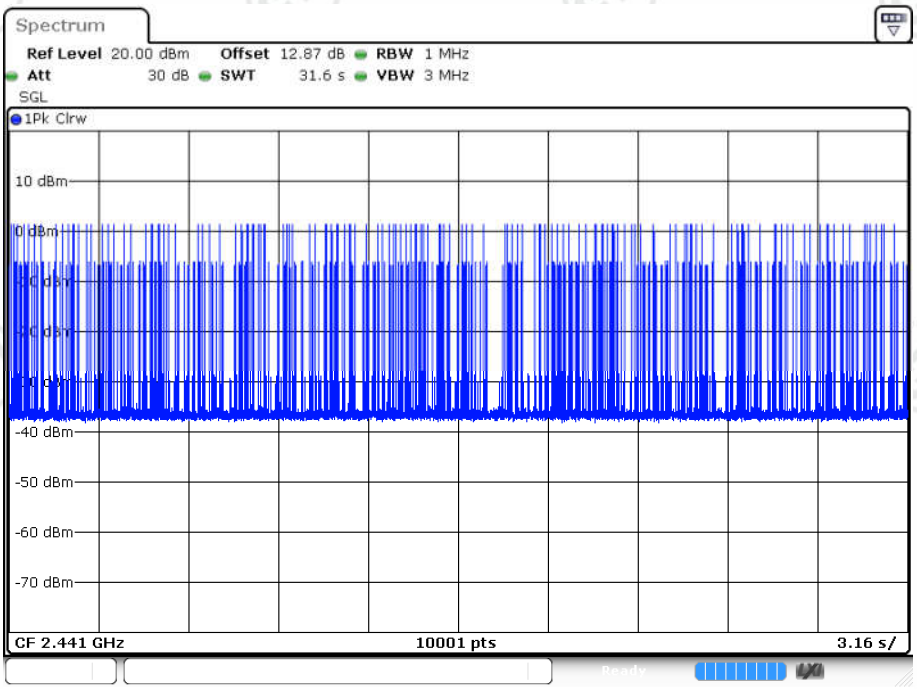
Date: 6.APR.2023 13:27:18

Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



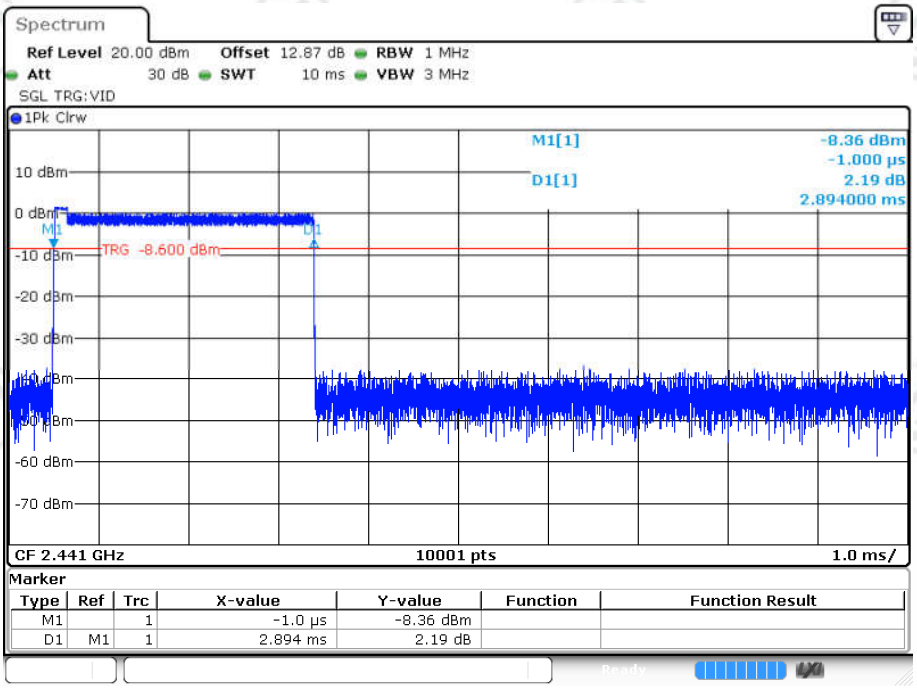
Date: 6.APR.2023 13:27:37

Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



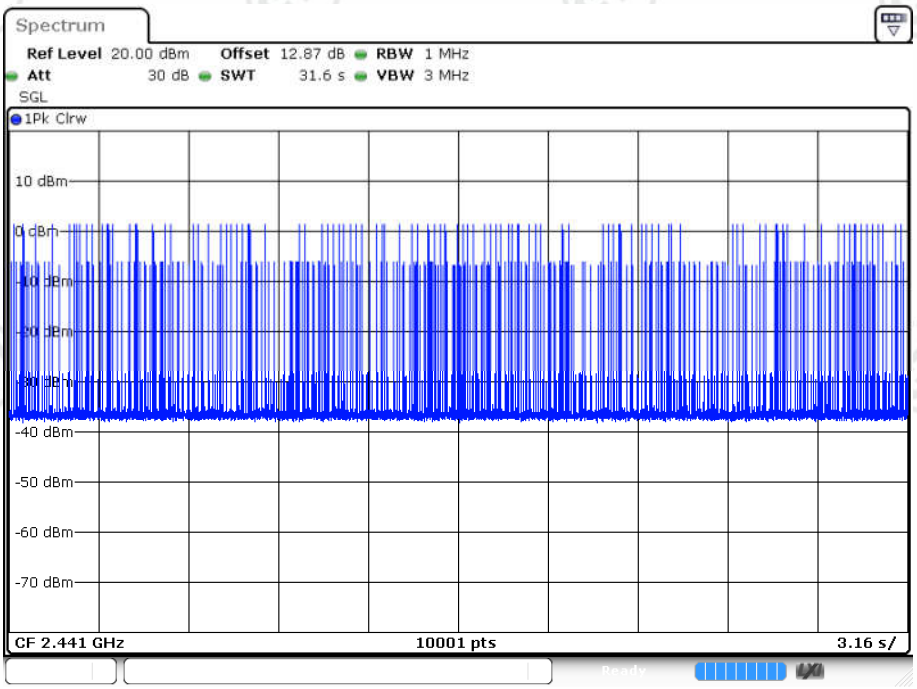
Date: 6.APR.2023 13:28:10

Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



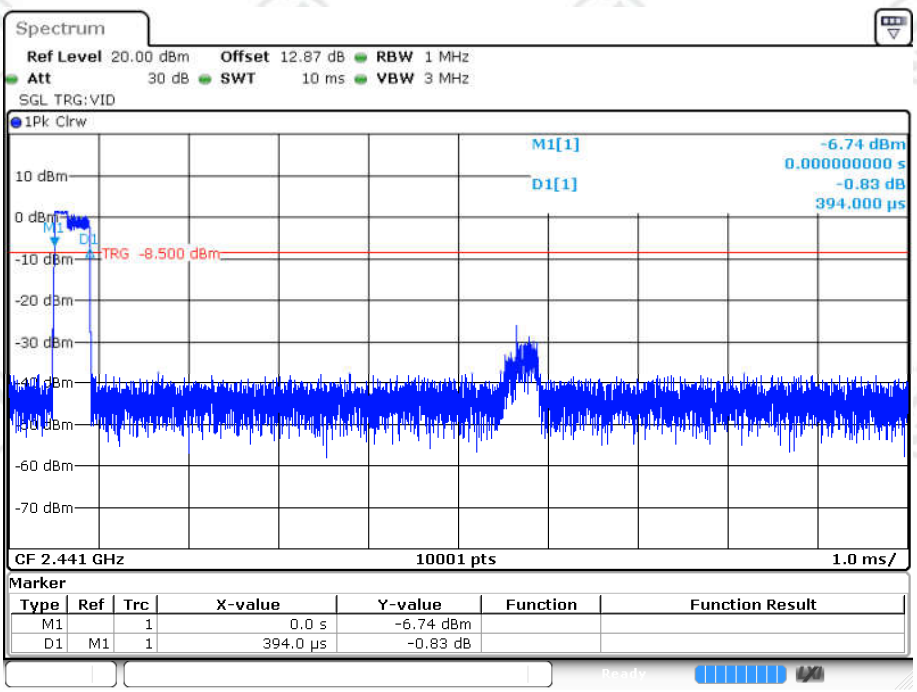
Date: 6.APR.2023 13:17:56

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



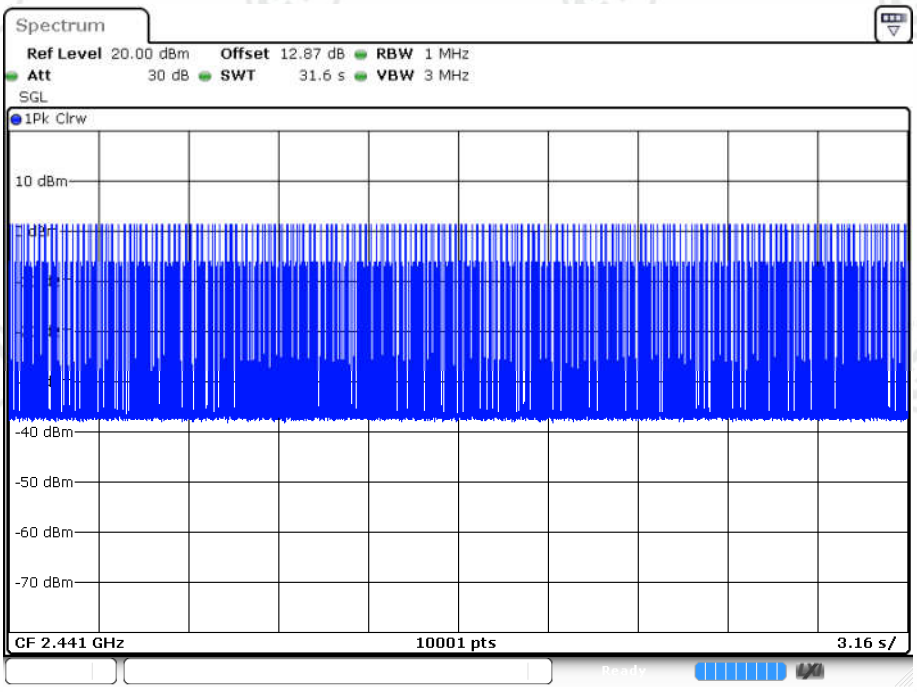
Date: 6.APR.2023 13:18:29

Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



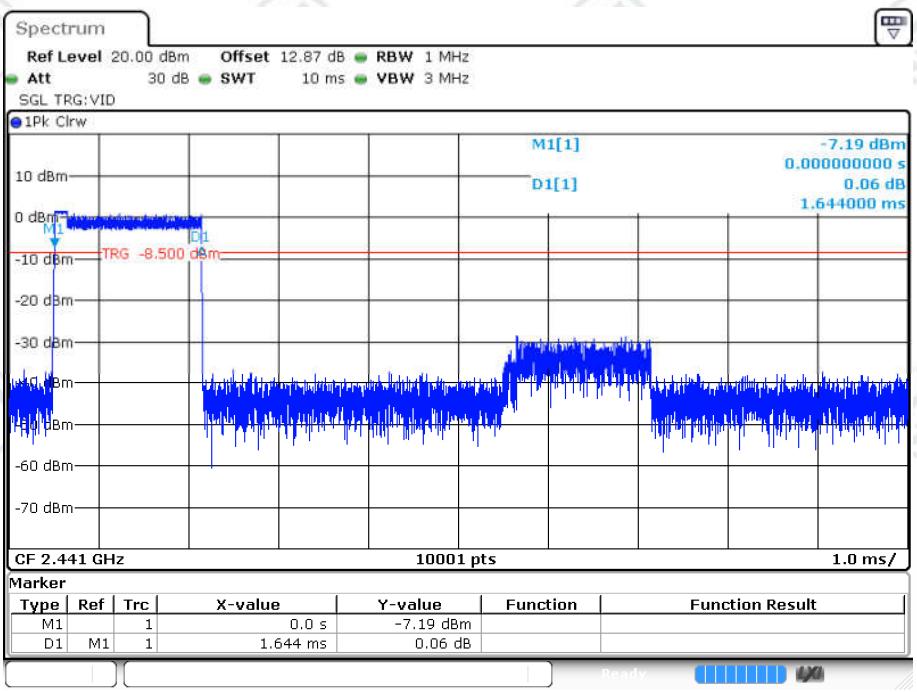
Date: 6.APR.2023 13:28:28

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



Date: 6.APR.2023 13:29:01

Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



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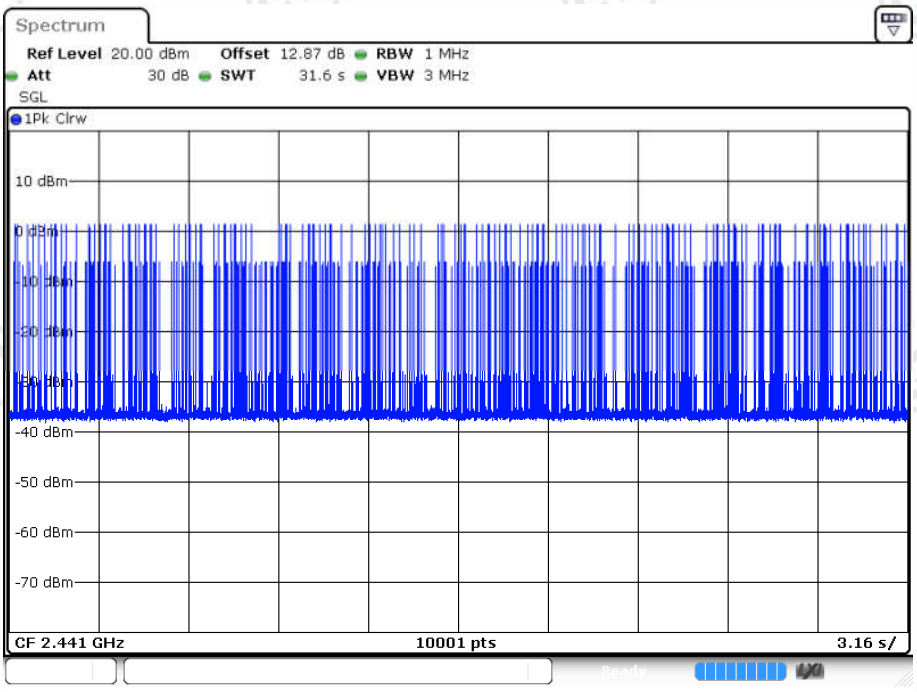

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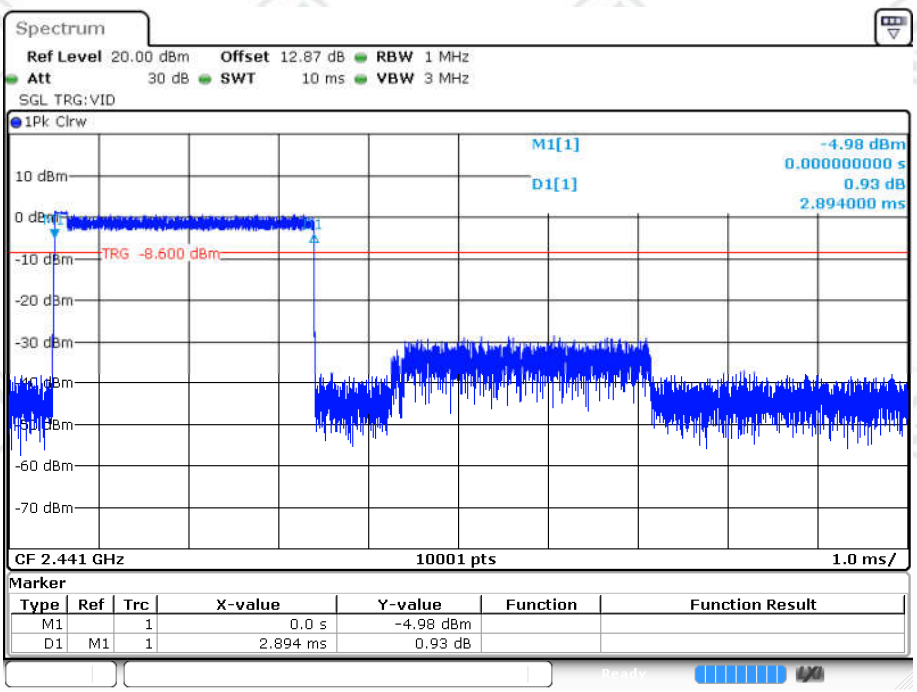
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



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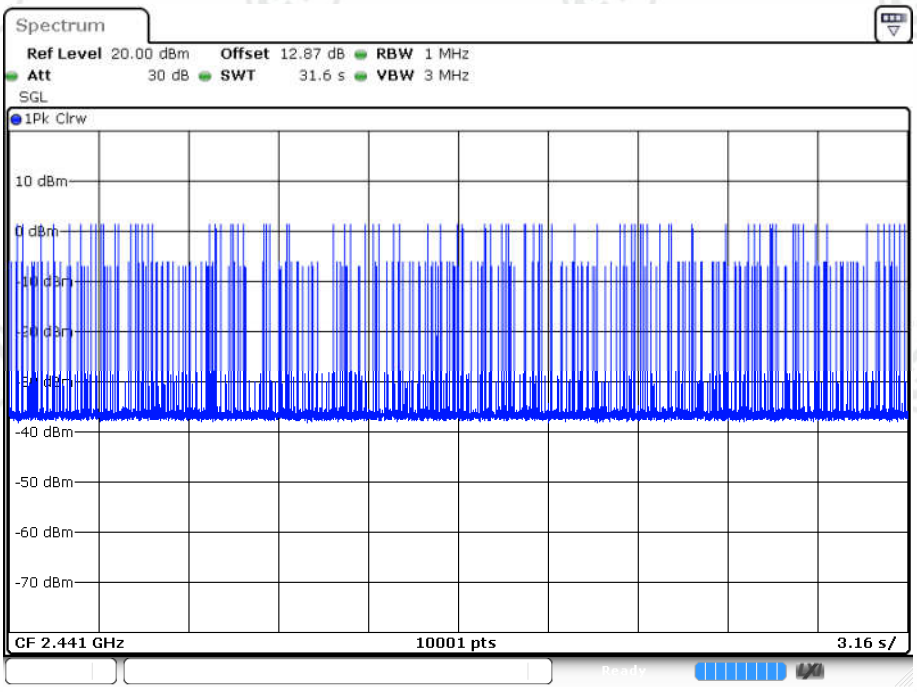
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Date: 6.APR.2023 13:23:28

Duty Cycle

Left ear

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.01	1.13	0.35
NVNT	1-DH5	2441	Ant1	77.15	1.13	0.35
NVNT	1-DH5	2480	Ant1	77.15	1.13	0.35
NVNT	2-DH5	2402	Ant1	77.32	1.12	0.34
NVNT	2-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2480	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2402	Ant1	77.32	1.12	0.34
NVNT	3-DH5	2441	Ant1	77.32	1.12	0.34
NVNT	3-DH5	2480	Ant1	77.32	1.12	0.34

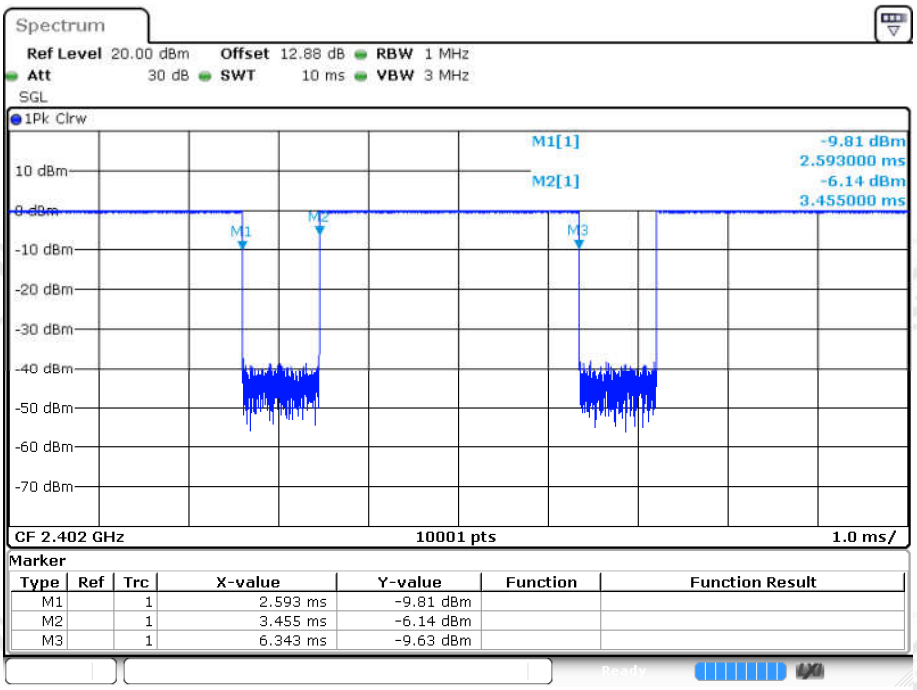
Right ear

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.04	1.13	0.35
NVNT	1-DH5	2441	Ant1	77.2	1.12	0.35
NVNT	1-DH5	2480	Ant1	77.17	1.13	0.35
NVNT	2-DH5	2402	Ant1	77.32	1.12	0.34
NVNT	2-DH5	2441	Ant1	77.32	1.12	0.34
NVNT	2-DH5	2480	Ant1	77.32	1.12	0.34
NVNT	3-DH5	2402	Ant1	77.32	1.12	0.34
NVNT	3-DH5	2441	Ant1	77.32	1.12	0.34
NVNT	3-DH5	2480	Ant1	77.36	1.11	0.34

Left ear

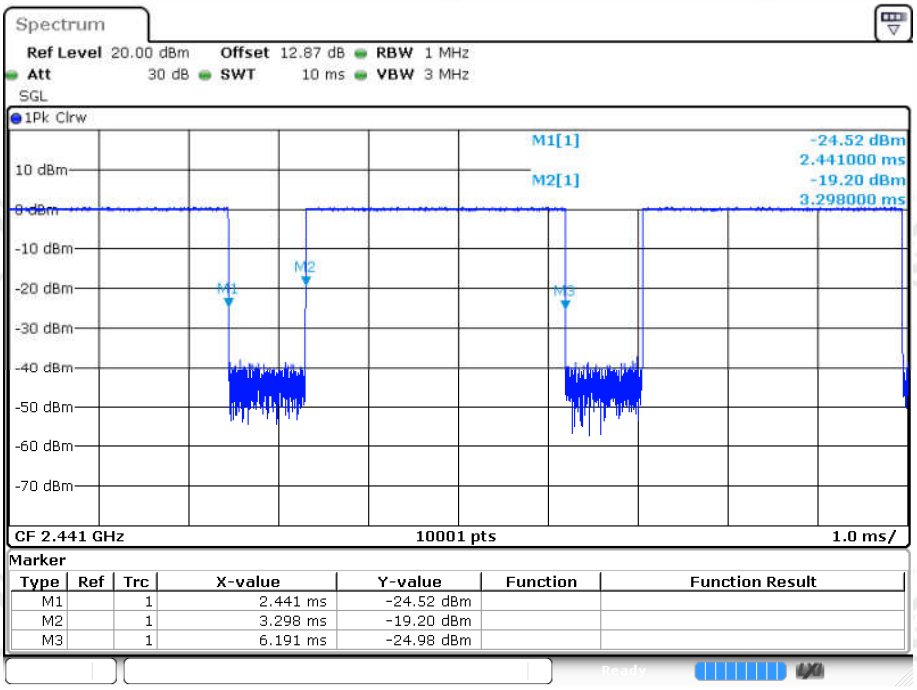
Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1



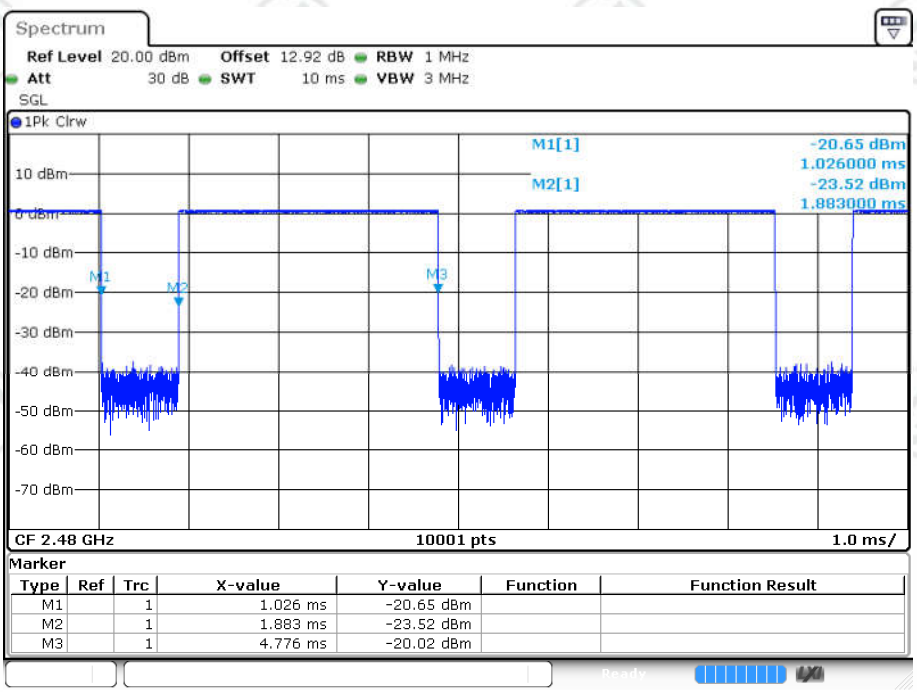
Date: 4.APR.2023 15:27:28

Duty Cycle NVNT 1-DH5 2441MHz Ant1



Date: 4.APR.2023 15:28:59

Duty Cycle NVNT 1-DH5 2480MHz Ant1

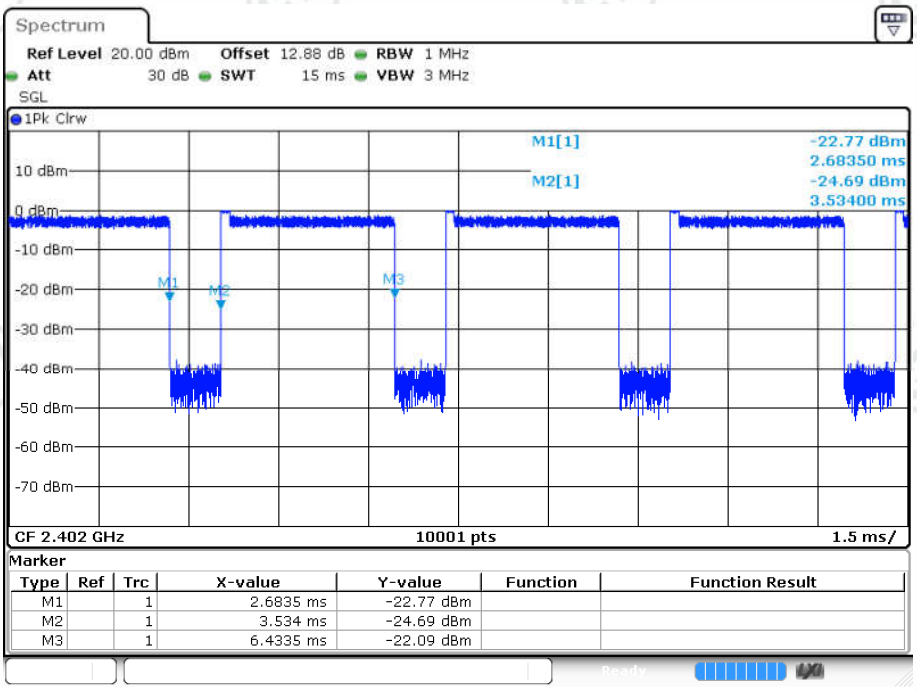


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.026 ms	-20.65 dBm		
M2		1	1.883 ms	-23.52 dBm		
M3		1	4.776 ms	-20.02 dBm		

Date: 4.APR.2023 15:30:02

Duty Cycle NVNT 2-DH5 2402MHz Ant1

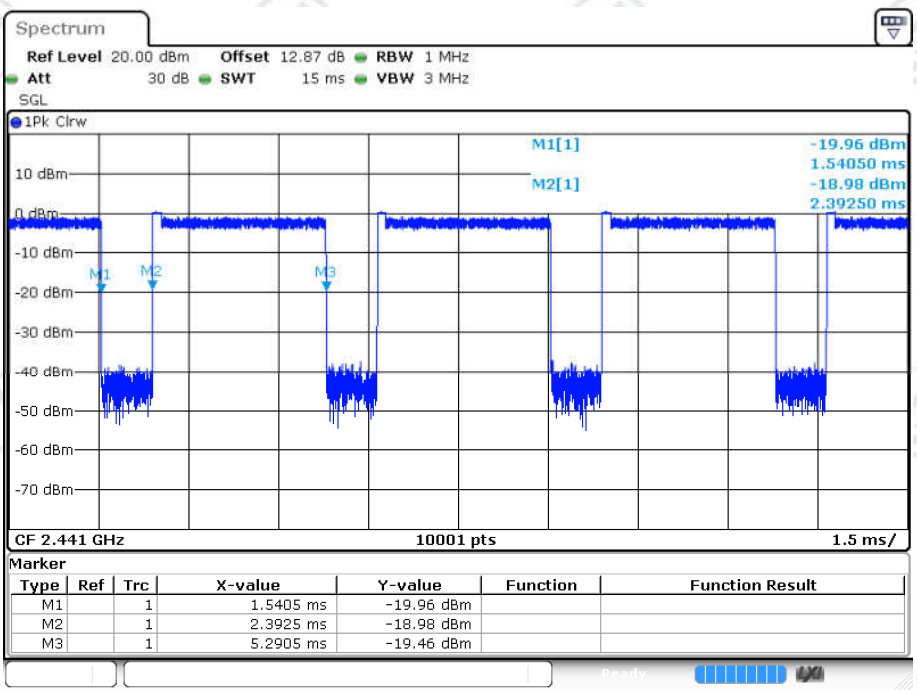


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.6835 ms	-22.77 dBm		
M2		1	3.534 ms	-24.69 dBm		
M3		1	6.4335 ms	-22.09 dBm		

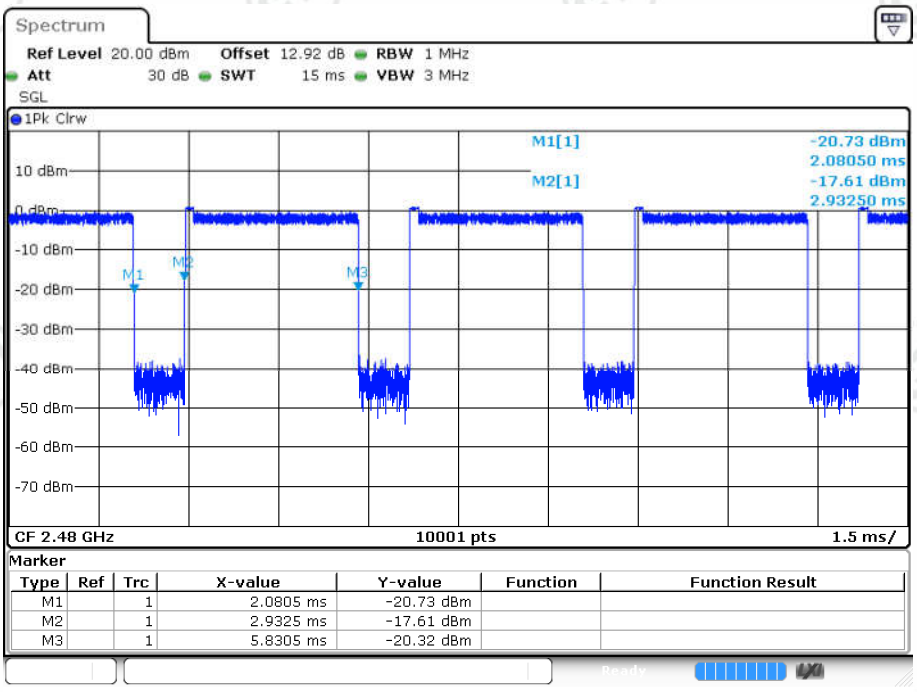
Date: 4.APR.2023 15:31:26

Duty Cycle NVNT 2-DH5 2441MHz Ant1



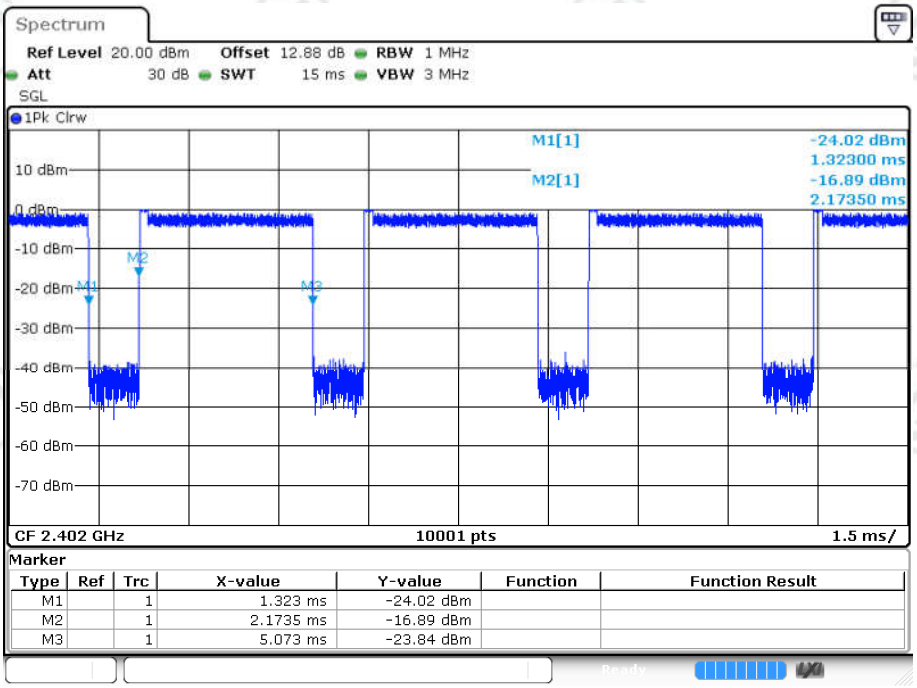
Date: 4.APR.2023 15:32:36

Duty Cycle NVNT 2-DH5 2480MHz Ant1



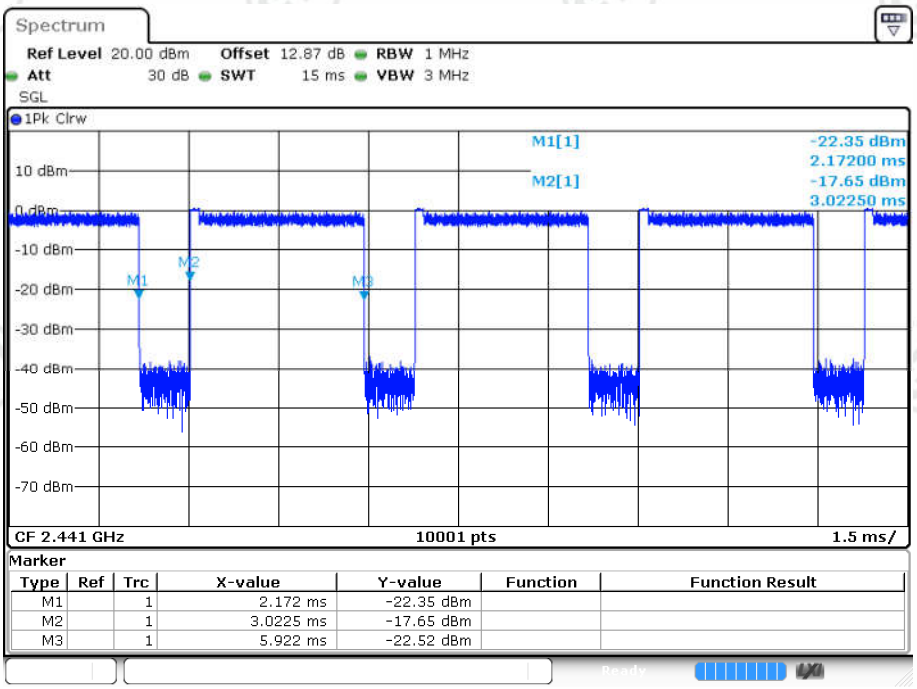
Date: 4.APR.2023 15:34:01

Duty Cycle NVNT 3-DH5 2402MHz Ant1



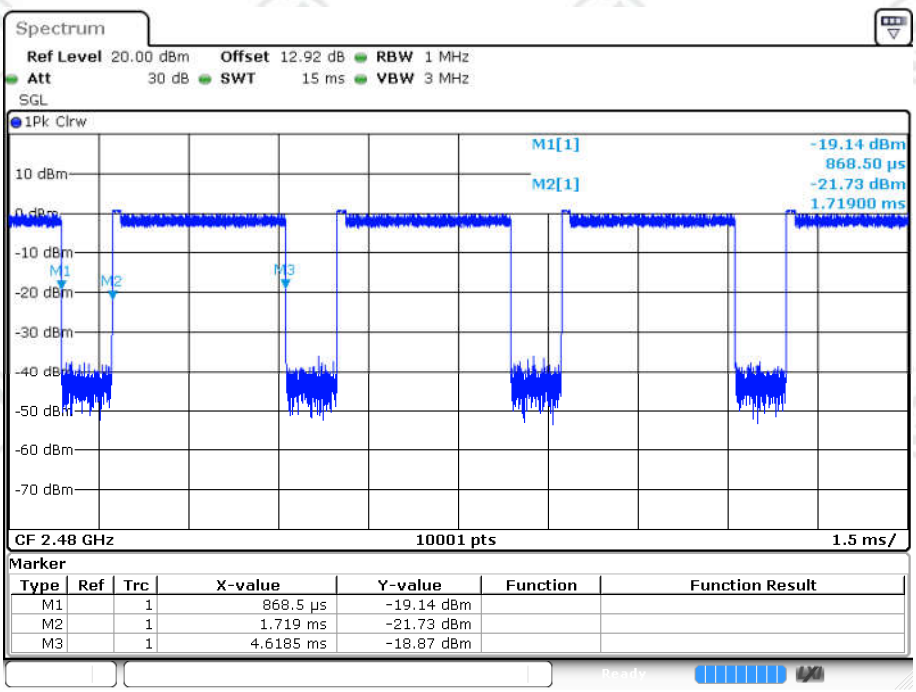
Date: 4.APR.2023 15:35:48

Duty Cycle NVNT 3-DH5 2441MHz Ant1



Date: 4.APR.2023 15:37:12

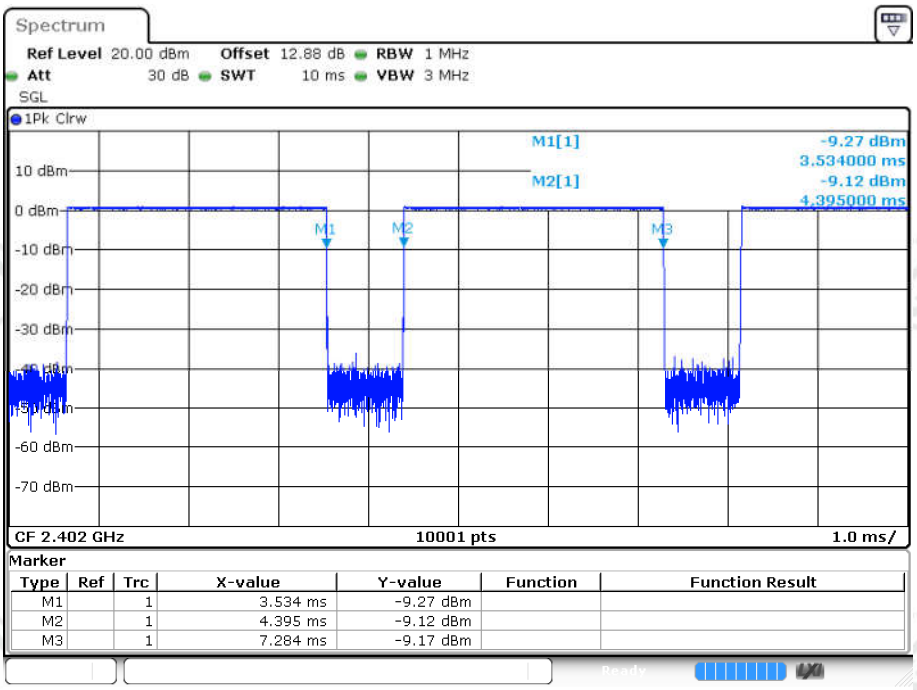
Duty Cycle NVNT 3-DH5 2480MHz Ant1



Right ear

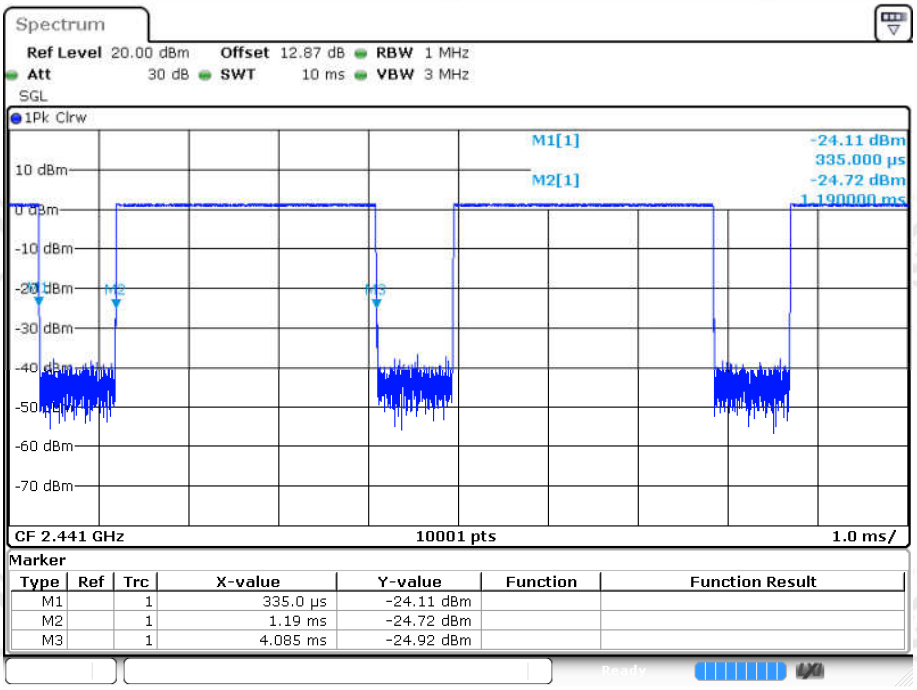
Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1



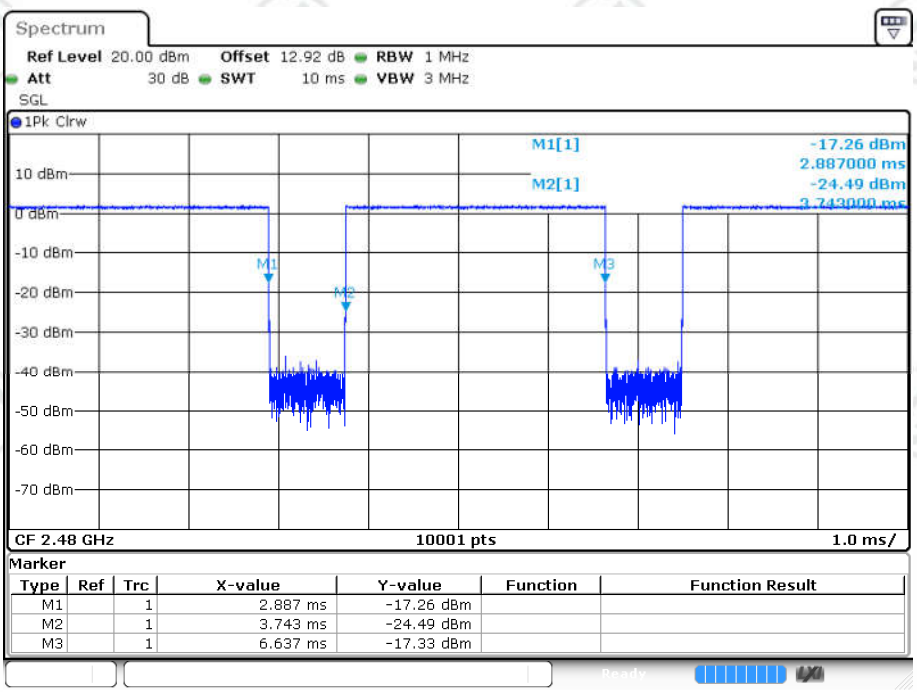
Date: 6.APR.2023 09:37:42

Duty Cycle NVNT 1-DH5 2441MHz Ant1



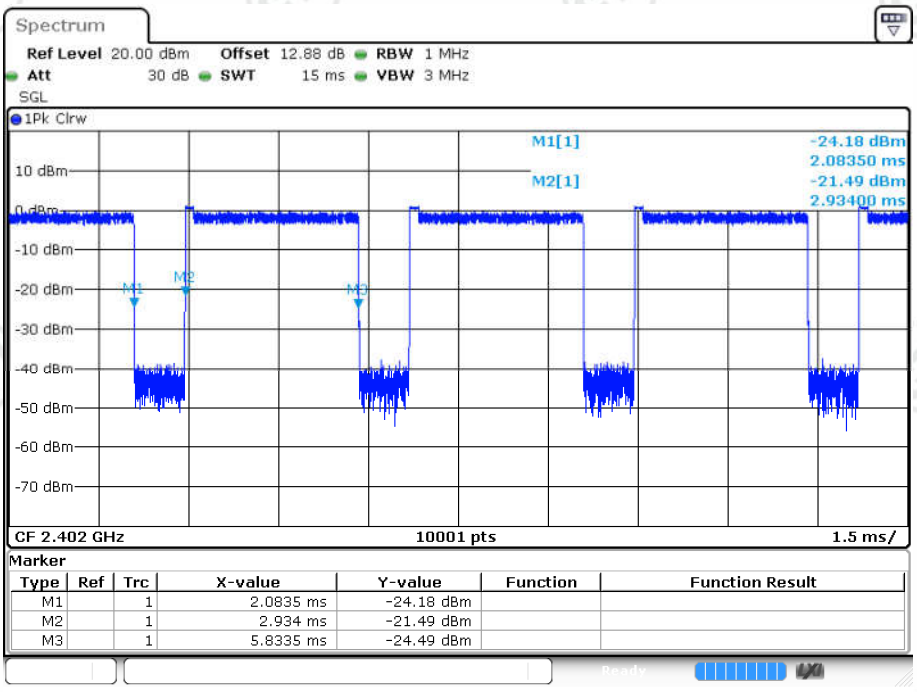
Date: 6.APR.2023 09:39:01

Duty Cycle NVNT 1-DH5 2480MHz Ant1



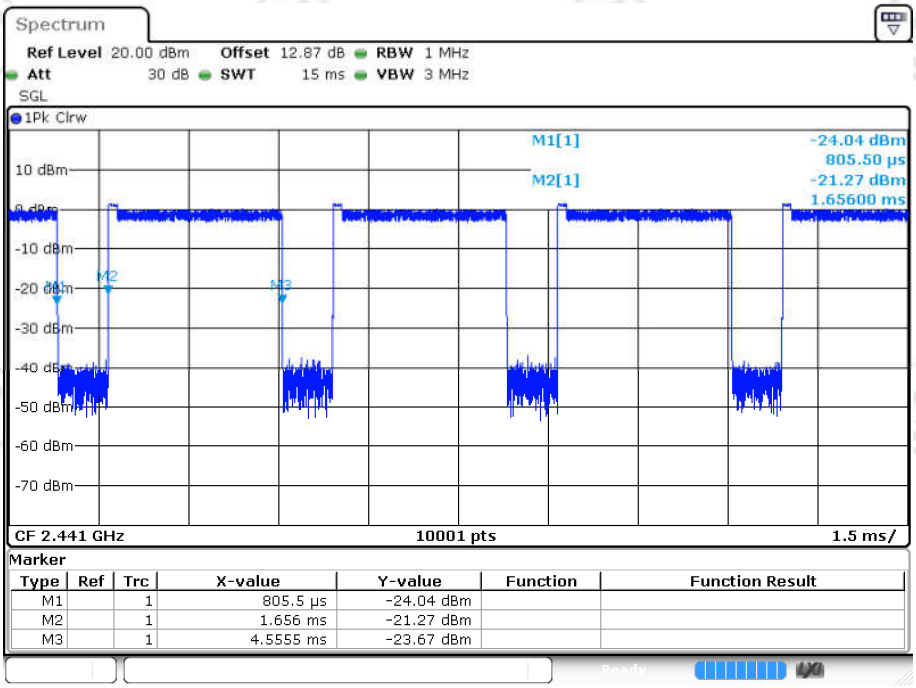
Date: 6.APR.2023 09:40:18

Duty Cycle NVNT 2-DH5 2402MHz Ant1



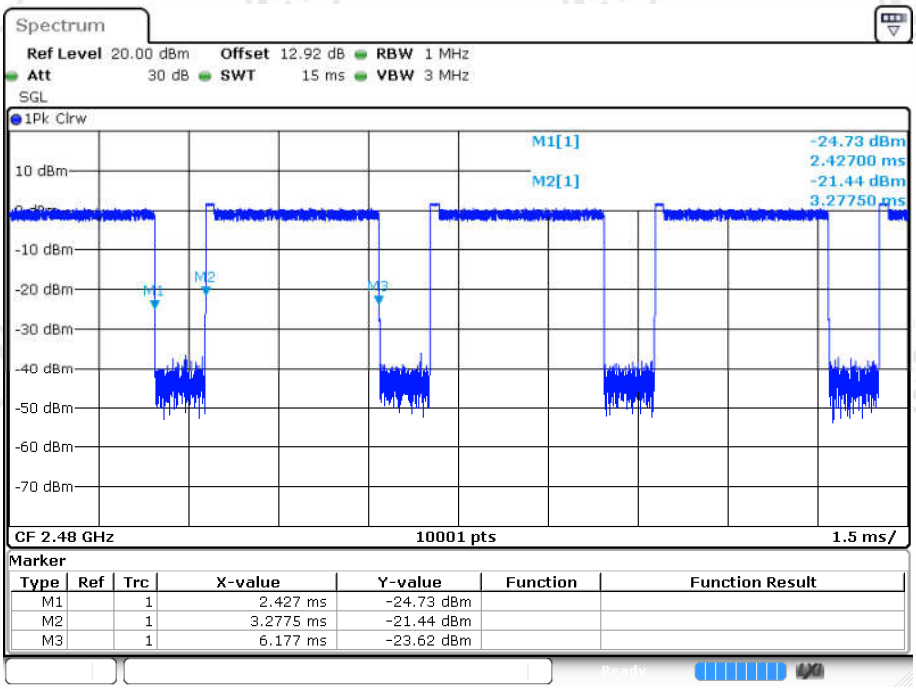
Date: 6.APR.2023 09:41:41

Duty Cycle NVNT 2-DH5 2441MHz Ant1



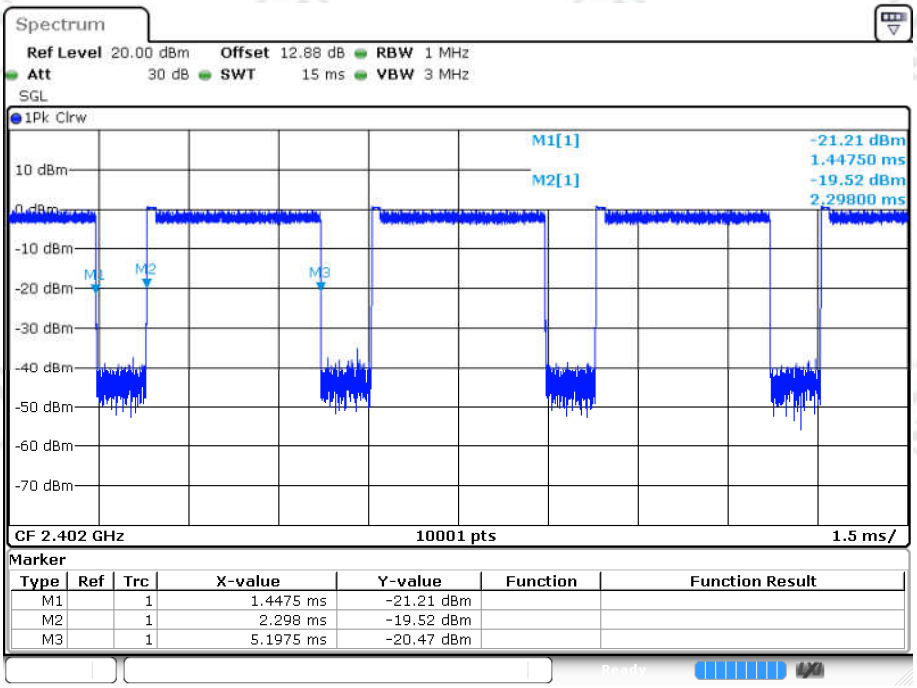
Date: 6.APR.2023 09:42:49

Duty Cycle NVNT 2-DH5 2480MHz Ant1



Date: 6.APR.2023 09:44:08

Duty Cycle NVNT 3-DH5 2402MHz Ant1

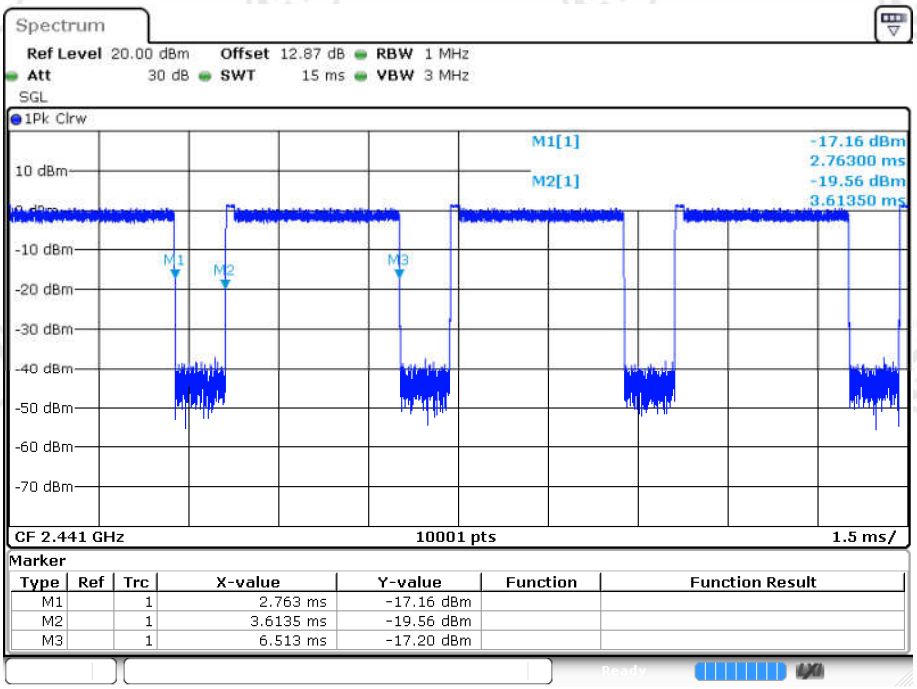


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.4475 ms	-21.21 dBm		
M2		1	2.298 ms	-19.52 dBm		
M3		1	5.1975 ms	-20.47 dBm		

Date: 6.APR.2023 09:45:23

Duty Cycle NVNT 3-DH5 2441MHz Ant1

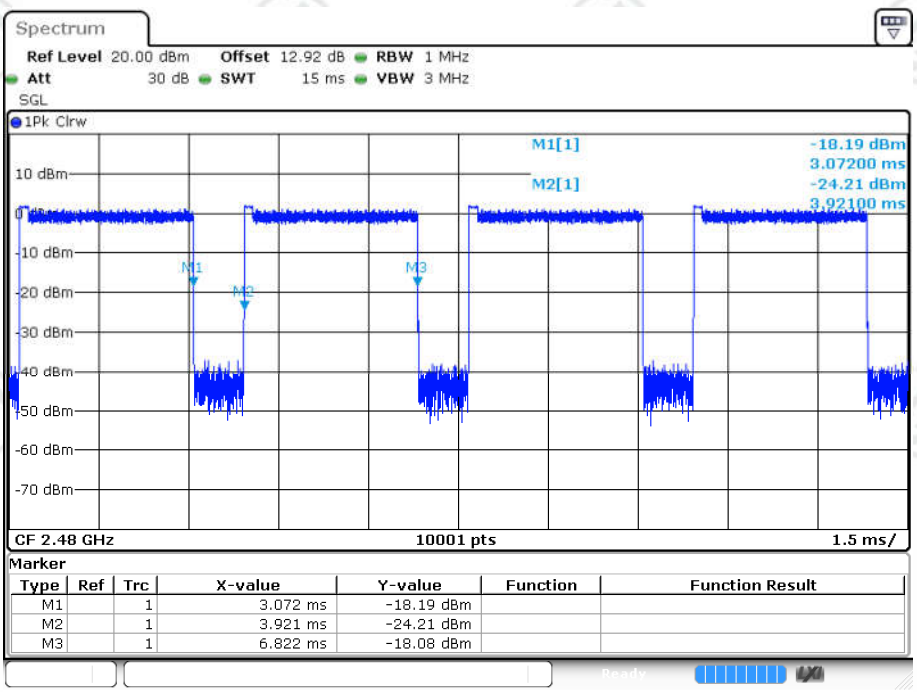


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.763 ms	-17.16 dBm		
M2		1	3.6135 ms	-19.56 dBm		
M3		1	6.513 ms	-17.20 dBm		

Date: 6.APR.2023 11:13:47

Duty Cycle NVNT 3-DH5 2480MHz Ant1



Date: 6.APR.2023 11:14:53

Maximum Peak Conducted Output Power

Left ear

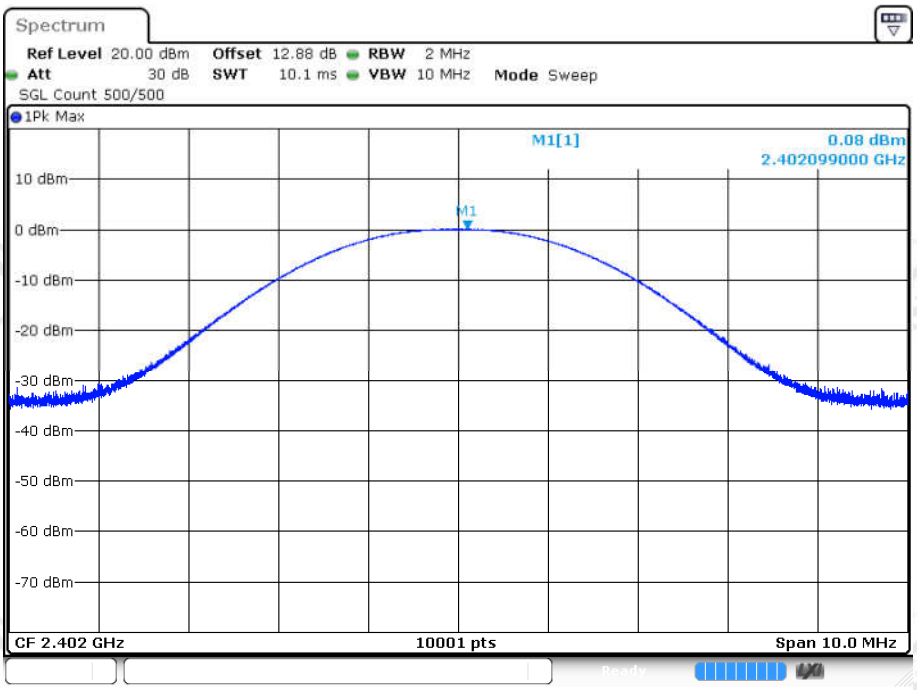
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.08	21	Pass
NVNT	1-DH5	2441	Ant1	0.5	21	Pass
NVNT	1-DH5	2480	Ant1	0.92	21	Pass
NVNT	2-DH5	2402	Ant1	0.03	21	Pass
NVNT	2-DH5	2441	Ant1	0.44	21	Pass
NVNT	2-DH5	2480	Ant1	0.9	21	Pass
NVNT	3-DH5	2402	Ant1	0.04	21	Pass
NVNT	3-DH5	2441	Ant1	0.45	21	Pass
NVNT	3-DH5	2480	Ant1	0.91	21	Pass

Right ear

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.98	21	Pass
NVNT	1-DH5	2441	Ant1	1.47	21	Pass
NVNT	1-DH5	2480	Ant1	1.92	21	Pass
NVNT	2-DH5	2402	Ant1	1.02	21	Pass
NVNT	2-DH5	2441	Ant1	1.45	21	Pass
NVNT	2-DH5	2480	Ant1	1.79	21	Pass
NVNT	3-DH5	2402	Ant1	0.62	21	Pass
NVNT	3-DH5	2441	Ant1	1.43	21	Pass
NVNT	3-DH5	2480	Ant1	1.91	21	Pass

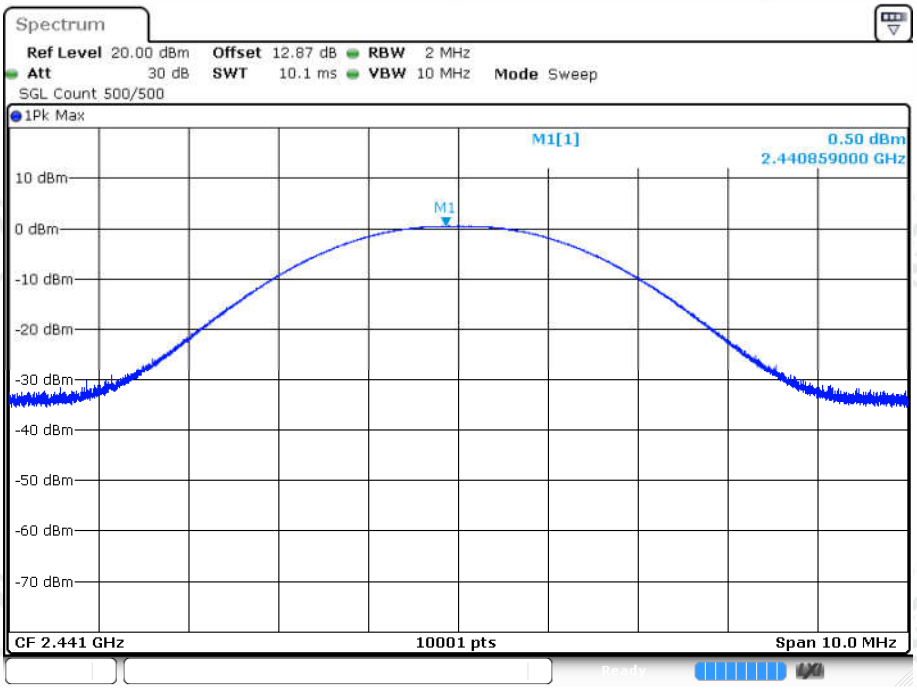
Left ear

Test Graphs
Peak Power NVNT 1-DH5 2402MHz Ant1



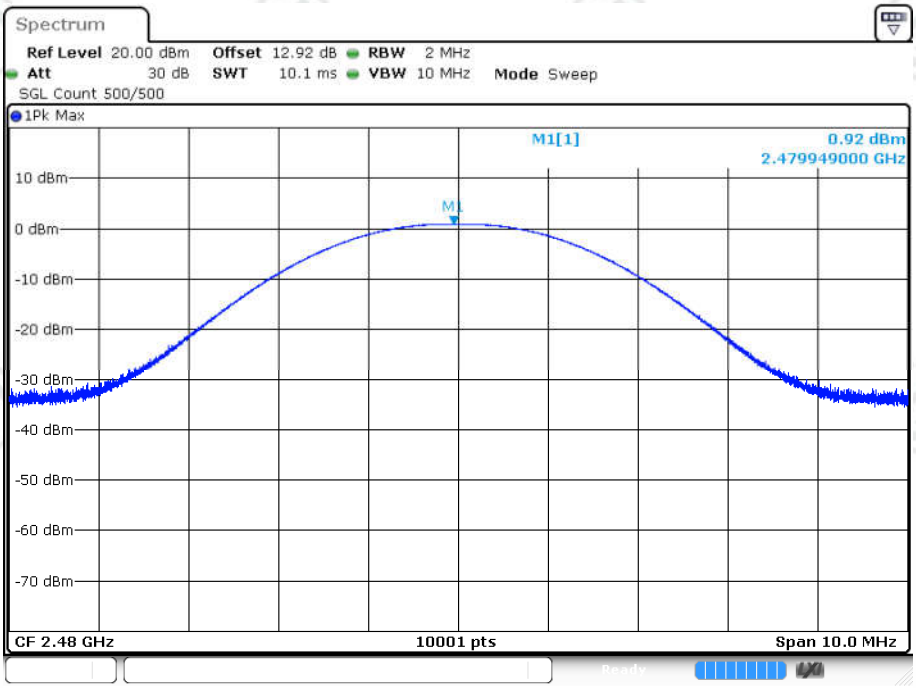
Date: 4.APR.2023 15:27:38

Peak Power NVNT 1-DH5 2441MHz Ant1



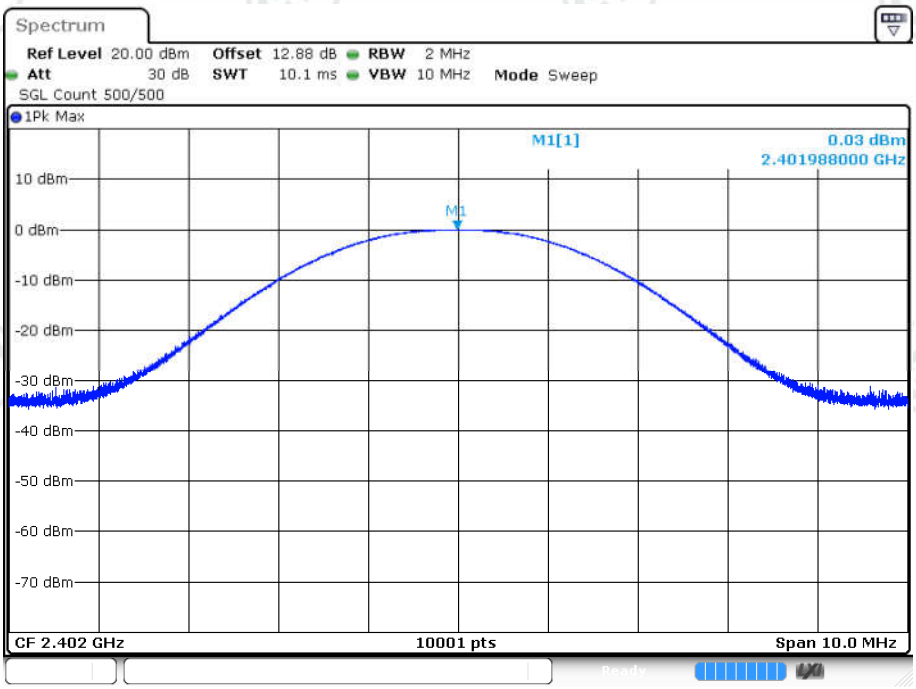
Date: 4.APR.2023 15:29:09

Peak Power NVNT 1-DH5 2480MHz Ant1



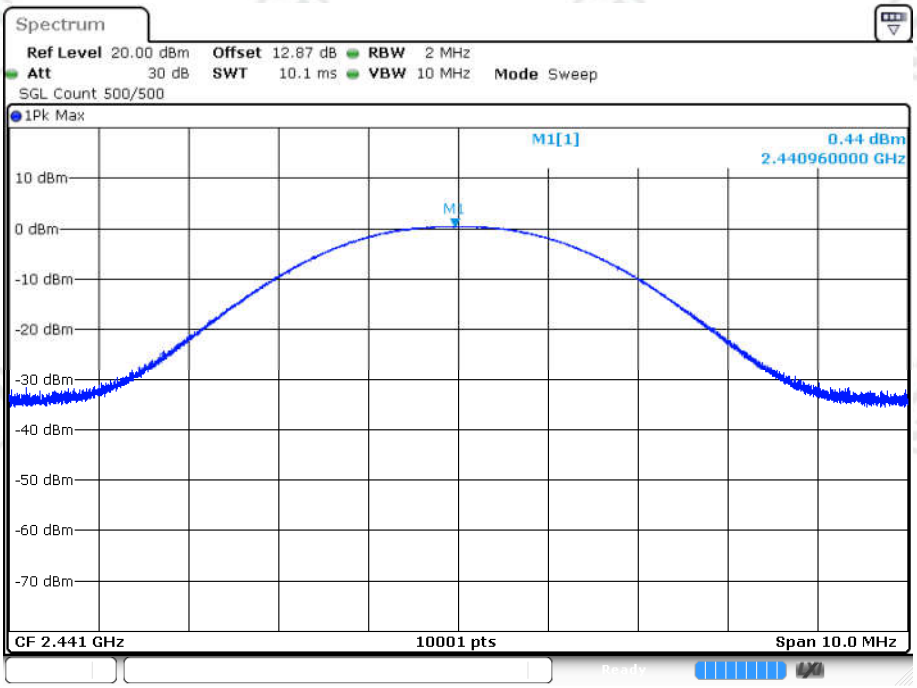
Date: 4.APR.2023 15:30:12

Peak Power NVNT 2-DH5 2402MHz Ant1



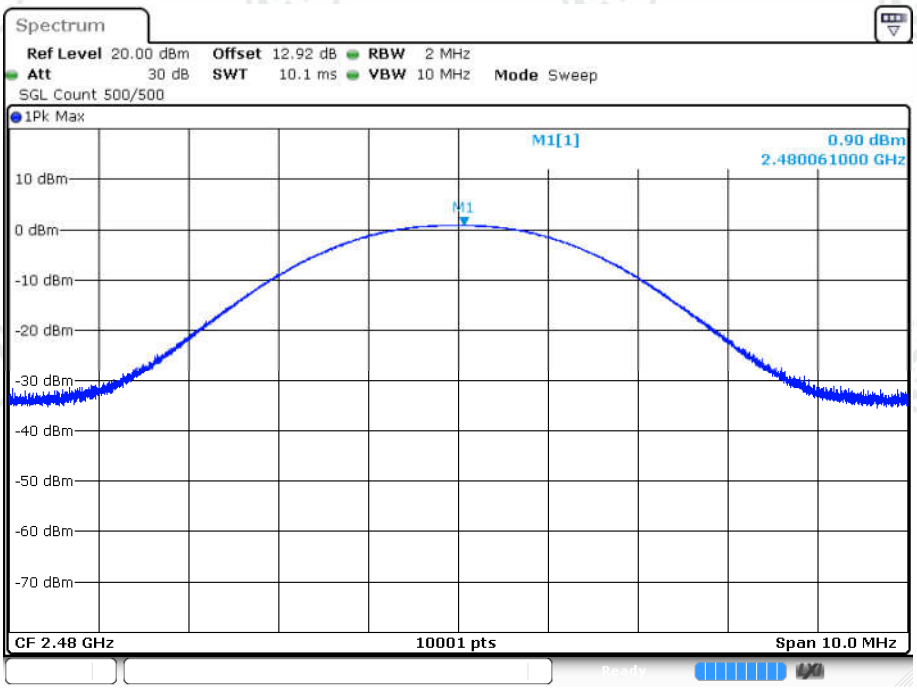
Date: 4.APR.2023 15:31:36

Peak Power NVNT 2-DH5 2441MHz Ant1



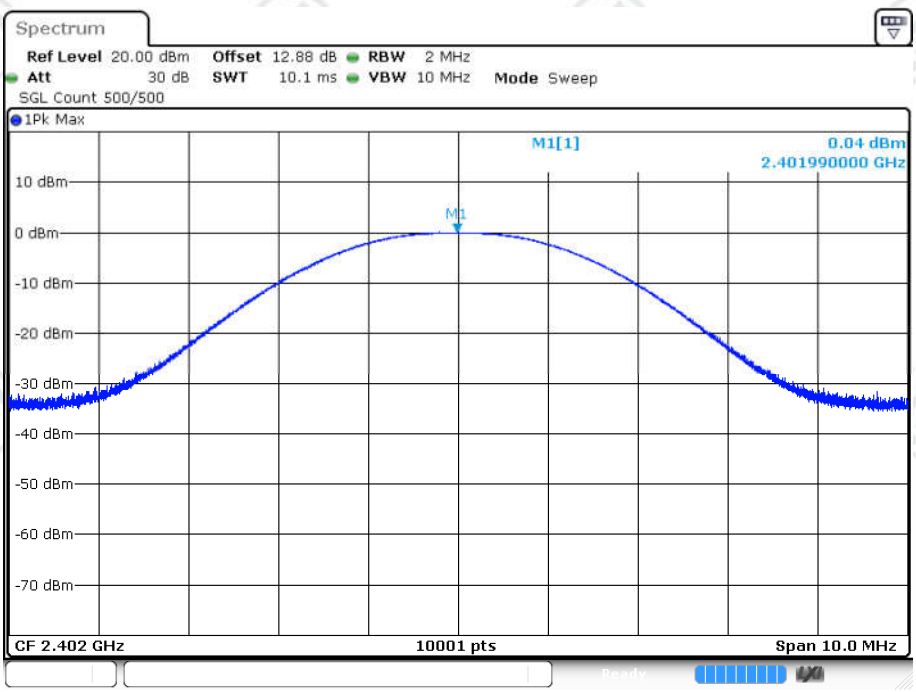
Date: 4.APR.2023 15:32:46

Peak Power NVNT 2-DH5 2480MHz Ant1



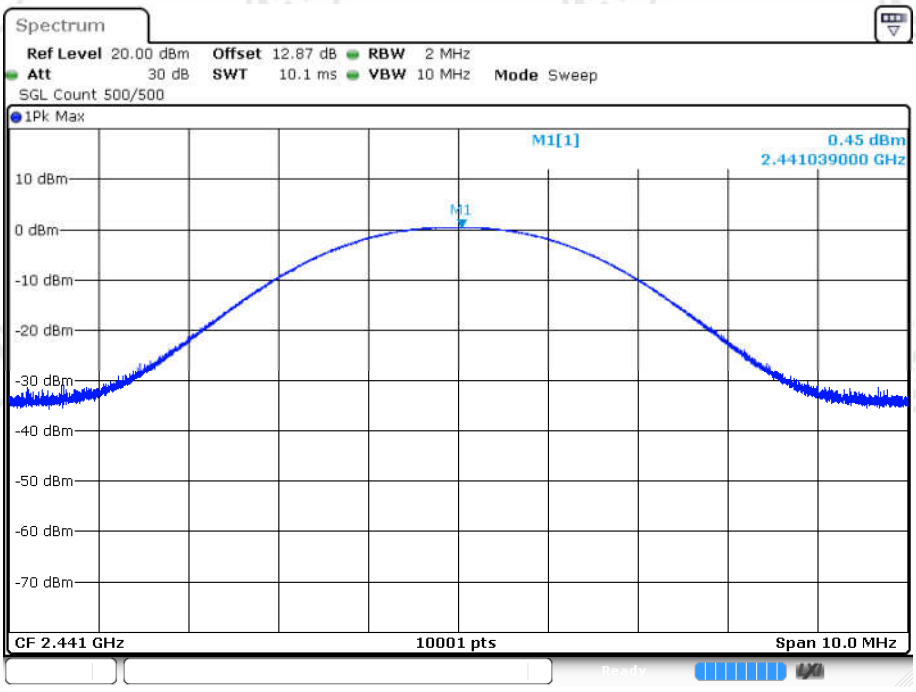
Date: 4.APR.2023 15:34:11

Peak Power NVNT 3-DH5 2402MHz Ant1



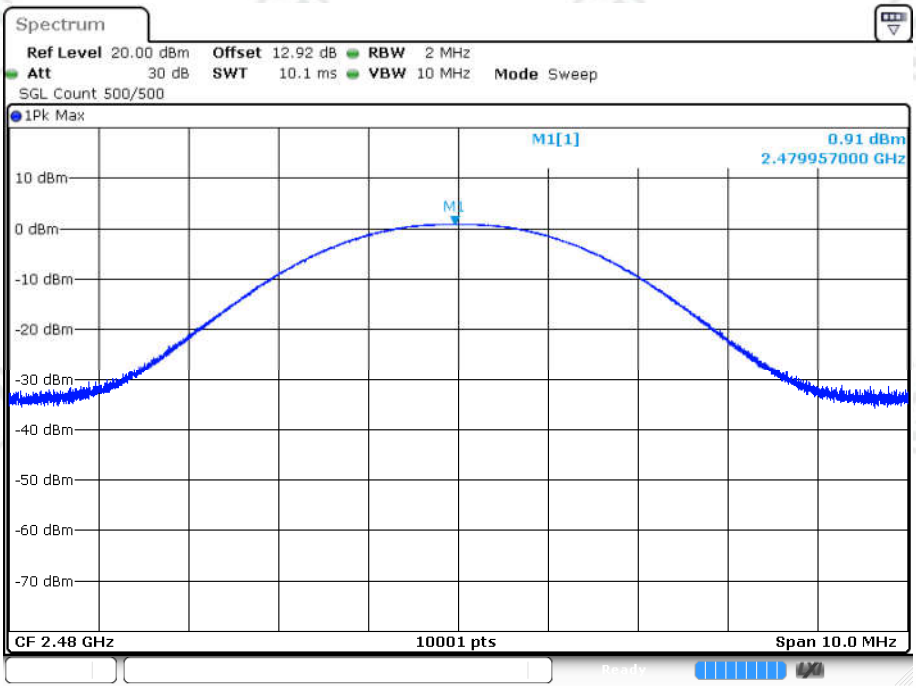
Date: 4.APR.2023 15:35:58

Peak Power NVNT 3-DH5 2441MHz Ant1



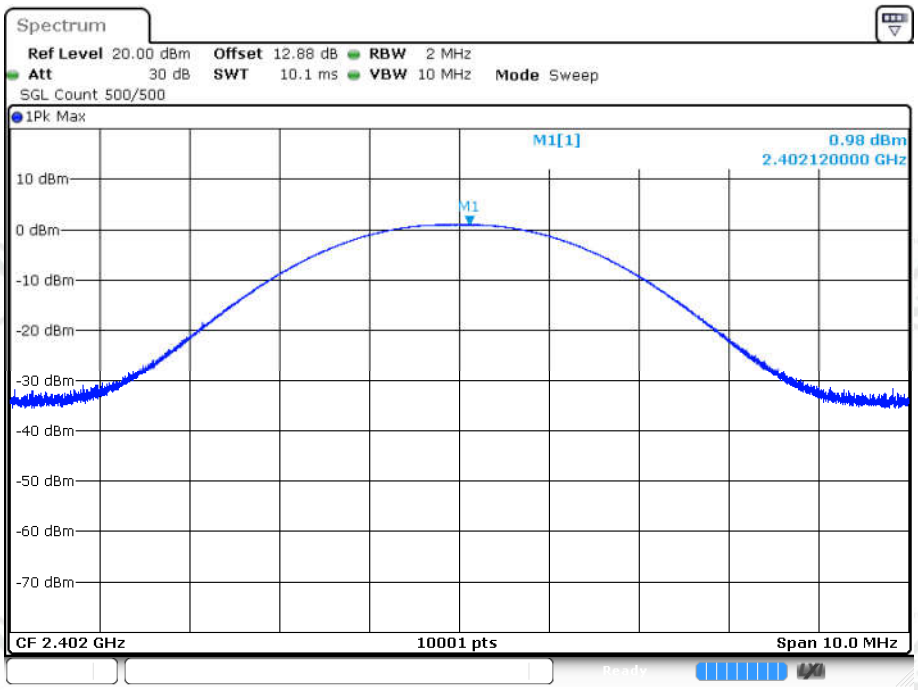
Date: 4.APR.2023 15:37:22

Peak Power NVNT 3-DH5 2480MHz Ant1



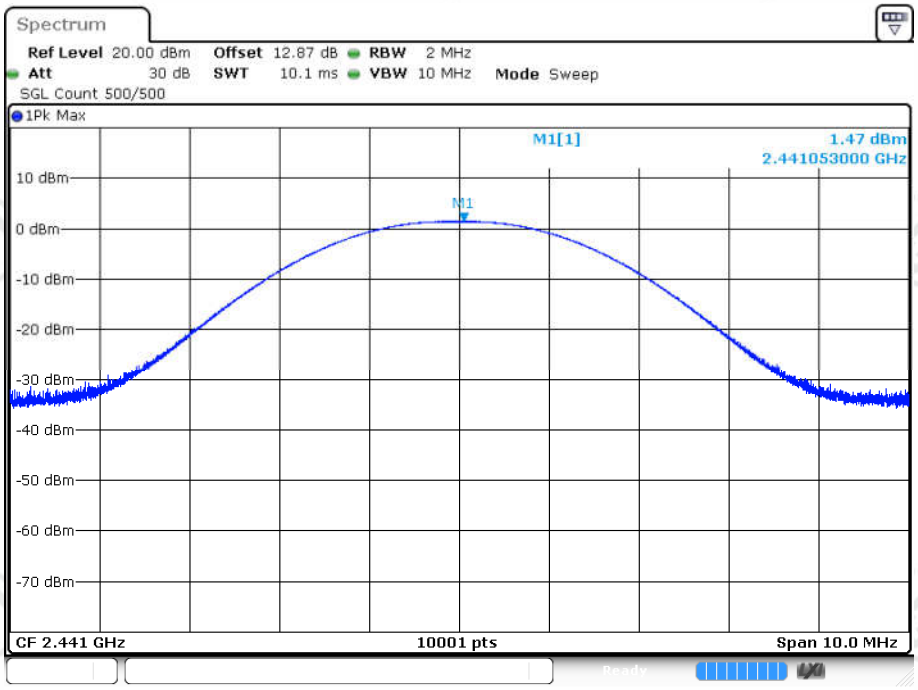
Right ear

Test Graphs
Peak Power NVNT 1-DH5 2402MHz Ant1



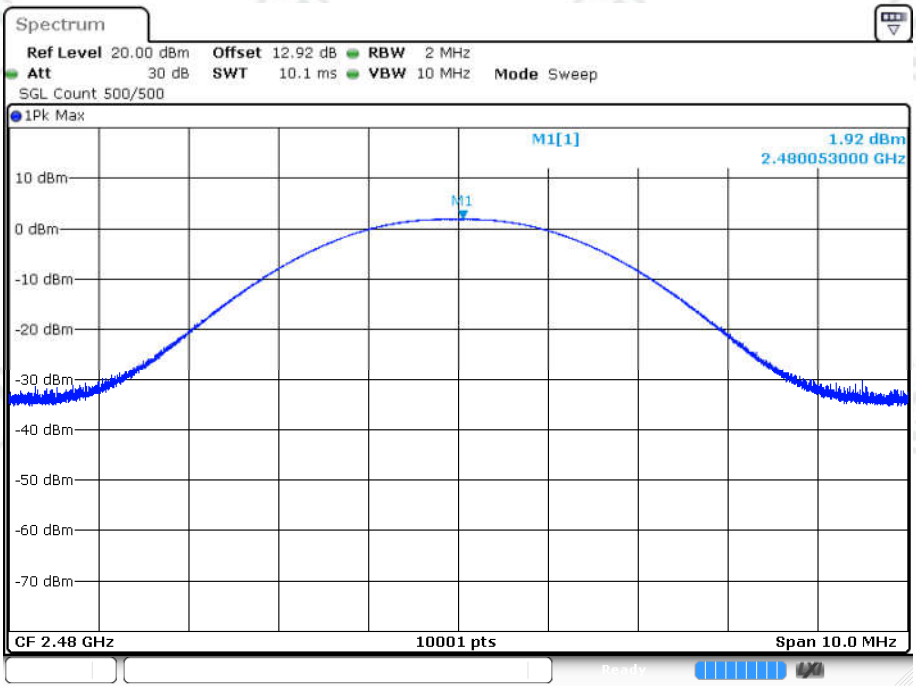
Date: 6.APR.2023 09:37:52

Peak Power NVNT 1-DH5 2441MHz Ant1



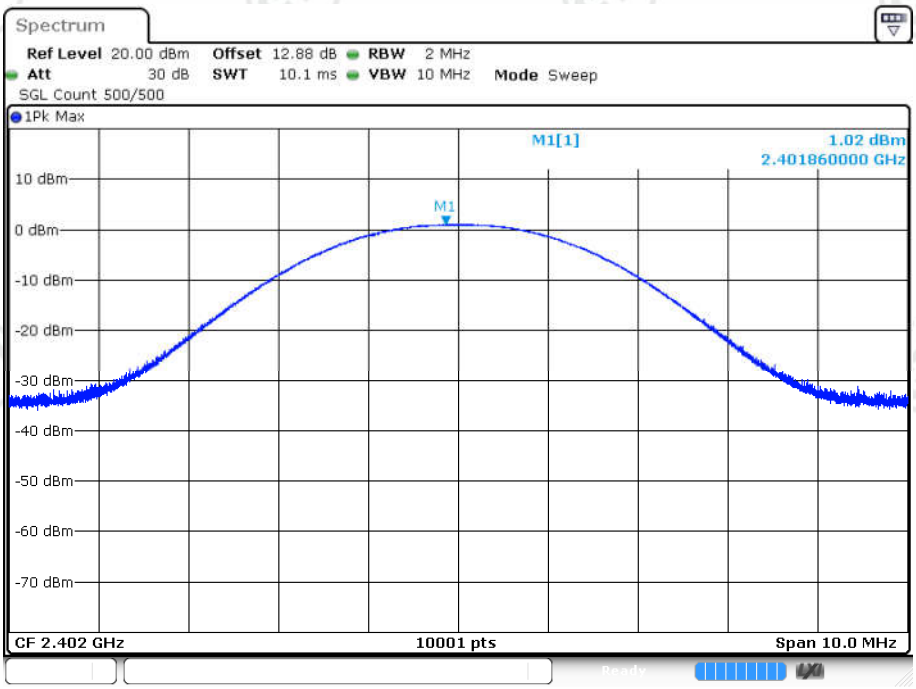
Date: 6.APR.2023 09:39:11

Peak Power NVNT 1-DH5 2480MHz Ant1



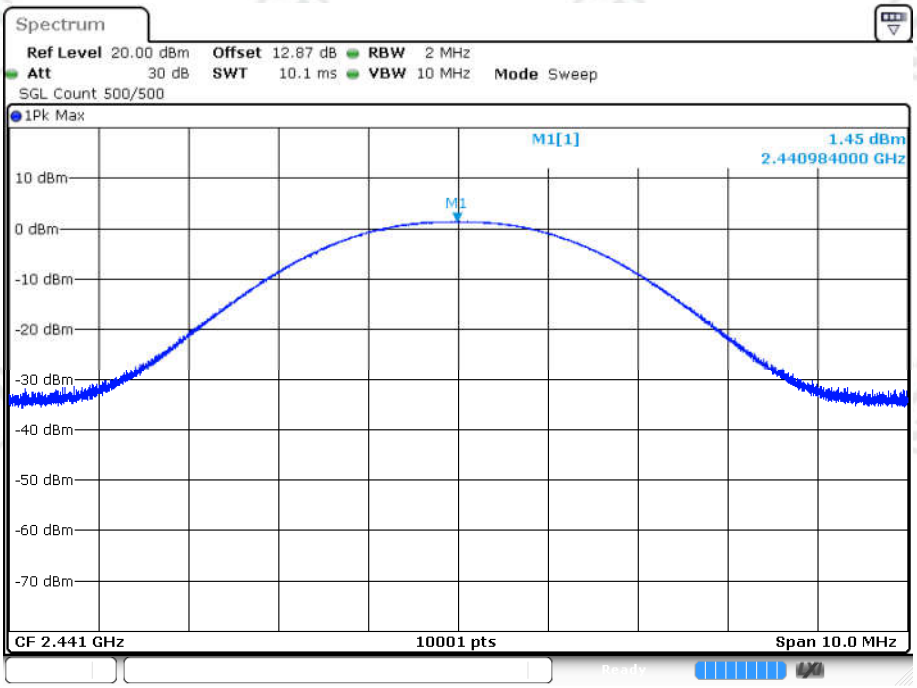
Date: 6.APR.2023 09:40:28

Peak Power NVNT 2-DH5 2402MHz Ant1



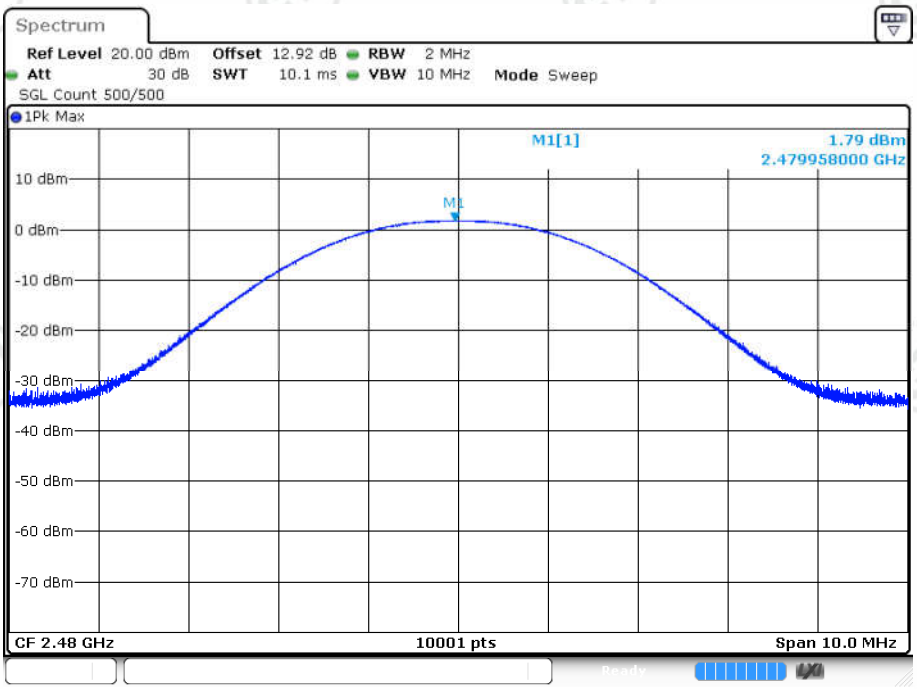
Date: 6.APR.2023 09:41:51

Peak Power NVNT 2-DH5 2441MHz Ant1



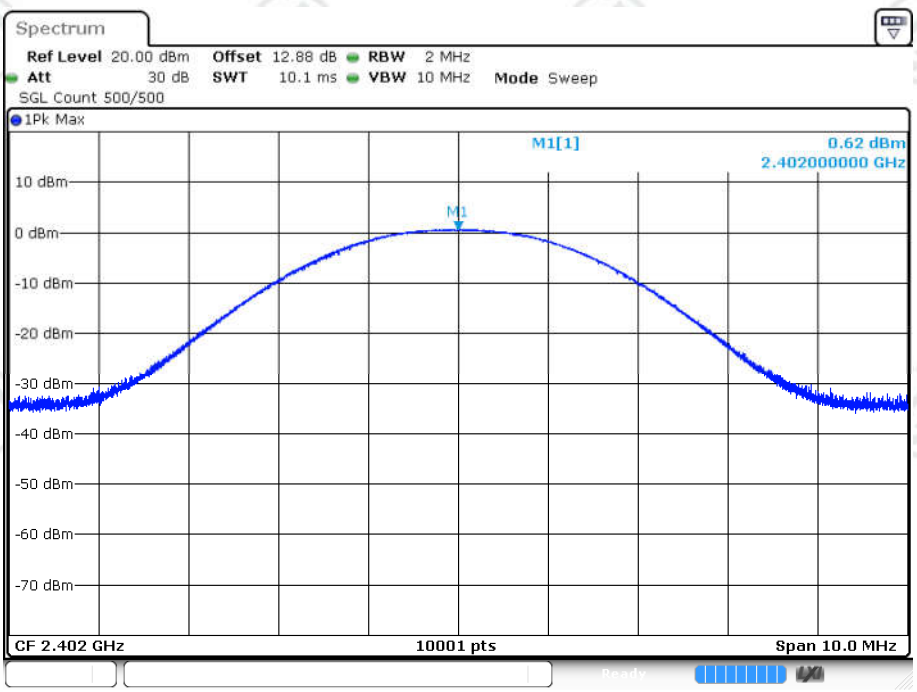
Date: 6.APR.2023 09:42:59

Peak Power NVNT 2-DH5 2480MHz Ant1



Date: 6.APR.2023 09:44:18

Peak Power NVNT 3-DH5 2402MHz Ant1



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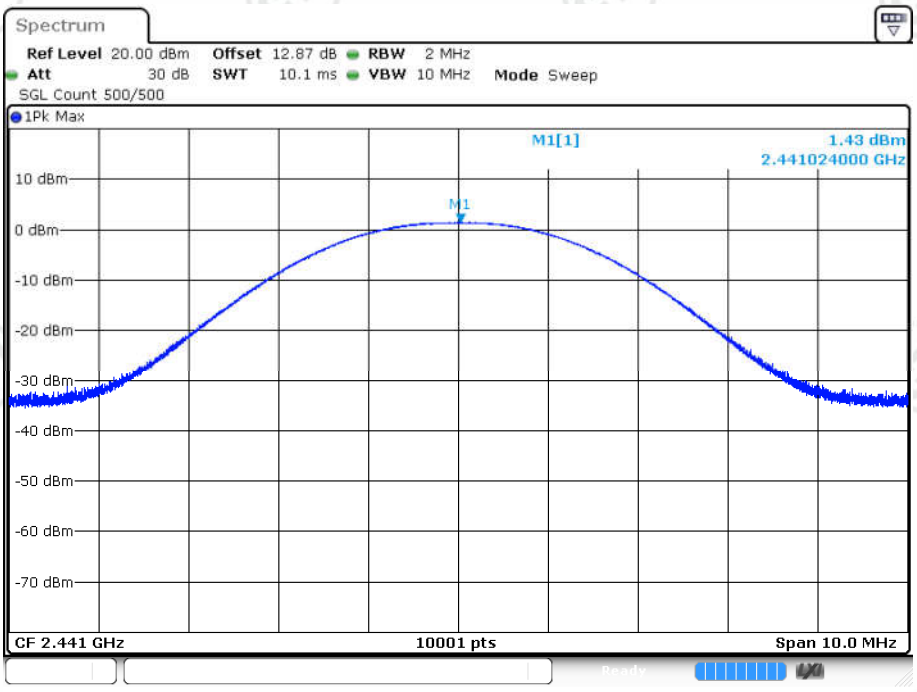
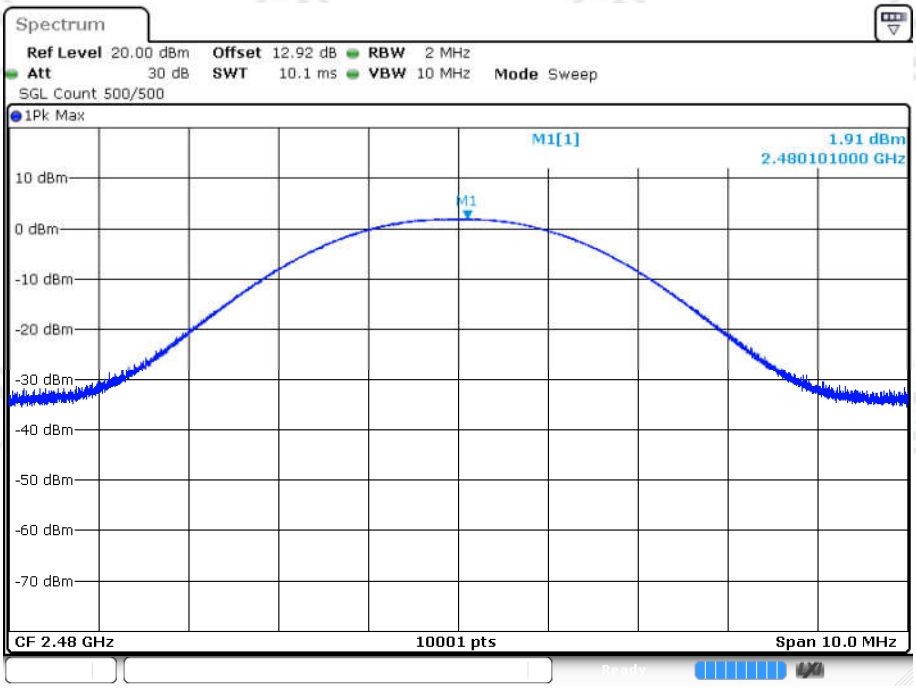
Peak Power NVNT 3-DH5 2441MHz Ant1



Date: 6.APR.2023 11:13:57

Peak Power NVNT 3-DH5 2480MHz Ant1



-20dB Bandwidth

Left ear

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.024	0	Pass
NVNT	1-DH5	2441	Ant1	1.033	0	Pass
NVNT	1-DH5	2480	Ant1	1.034	0	Pass
NVNT	2-DH5	2402	Ant1	1.178	0	Pass
NVNT	2-DH5	2441	Ant1	1.178	0	Pass
NVNT	2-DH5	2480	Ant1	1.179	0	Pass
NVNT	3-DH5	2402	Ant1	1.19	0	Pass
NVNT	3-DH5	2441	Ant1	1.192	0	Pass
NVNT	3-DH5	2480	Ant1	1.191	0	Pass

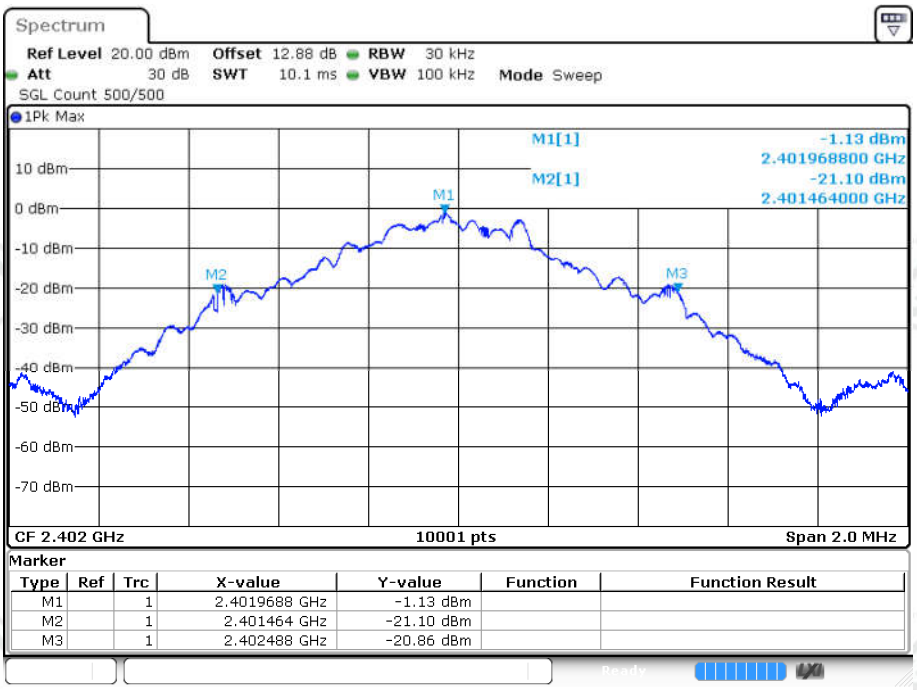
Right ear

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.034	0	Pass
NVNT	1-DH5	2441	Ant1	1.035	0	Pass
NVNT	1-DH5	2480	Ant1	1.034	0	Pass
NVNT	2-DH5	2402	Ant1	1.179	0	Pass
NVNT	2-DH5	2441	Ant1	1.18	0	Pass
NVNT	2-DH5	2480	Ant1	1.179	0	Pass
NVNT	3-DH5	2402	Ant1	1.192	0	Pass
NVNT	3-DH5	2441	Ant1	1.194	0	Pass
NVNT	3-DH5	2480	Ant1	1.194	0	Pass

Left ear

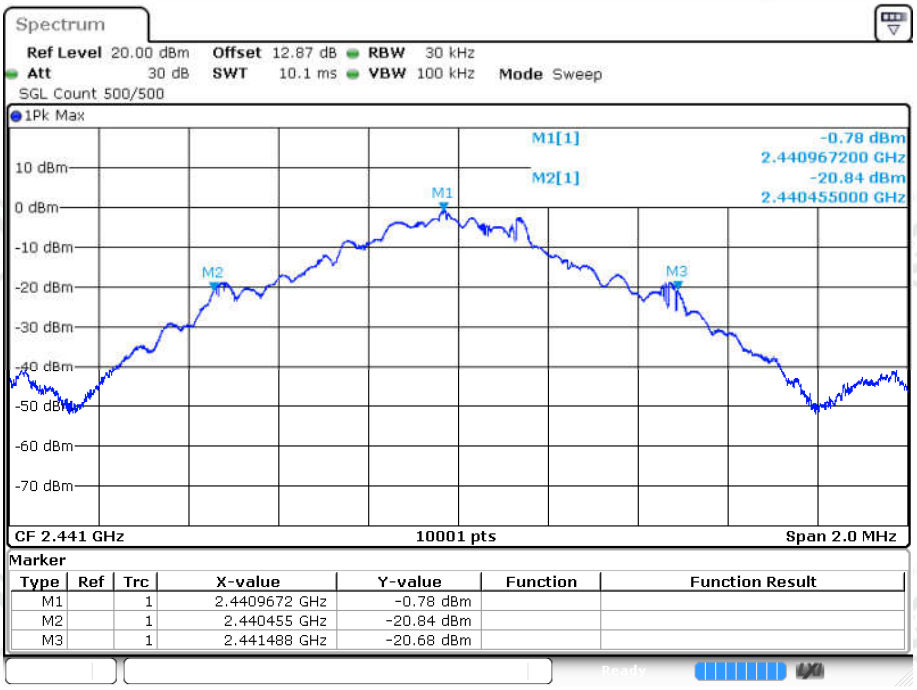
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



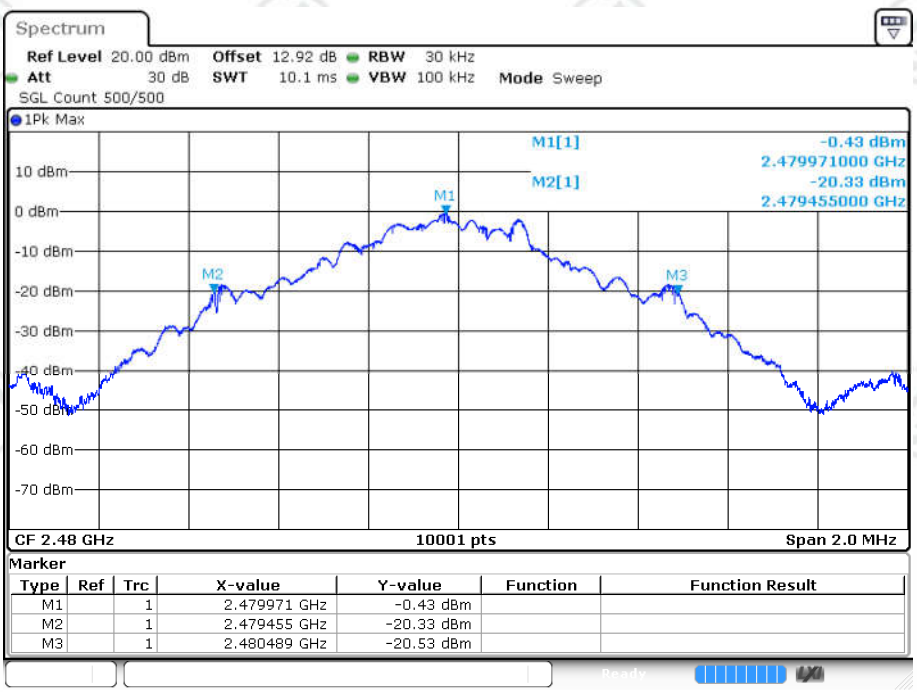
Date: 4.APR.2023 15:28:01

-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



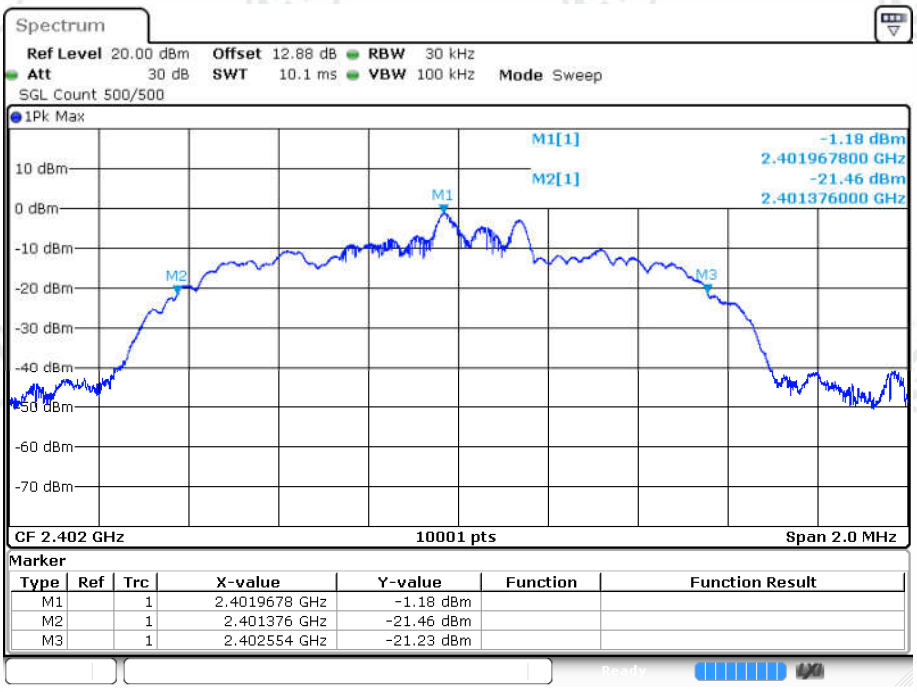
Date: 4.APR.2023 15:29:32

-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



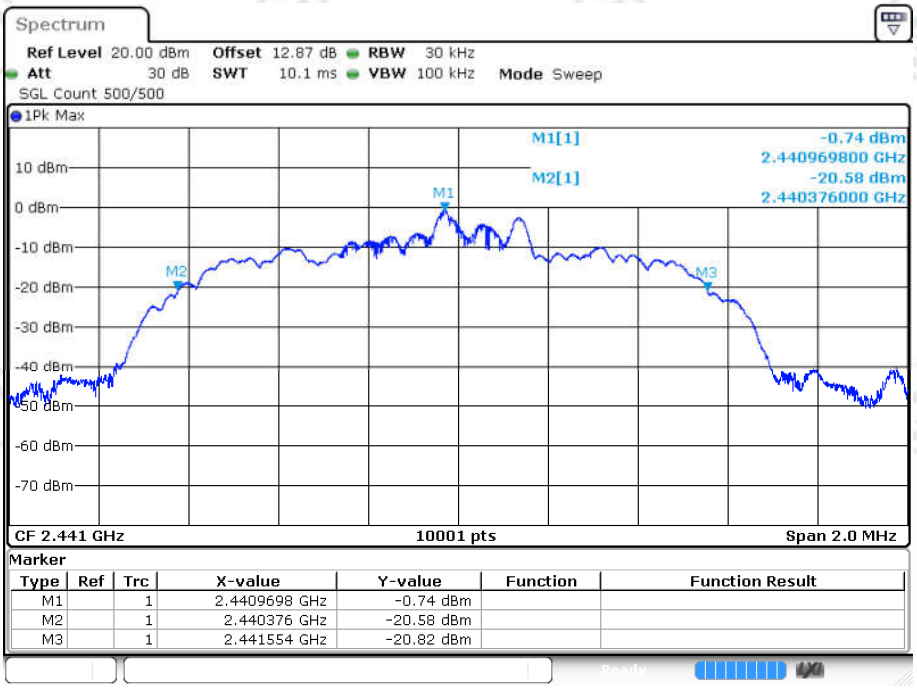
Date: 4.APR.2023 15:30:35

-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



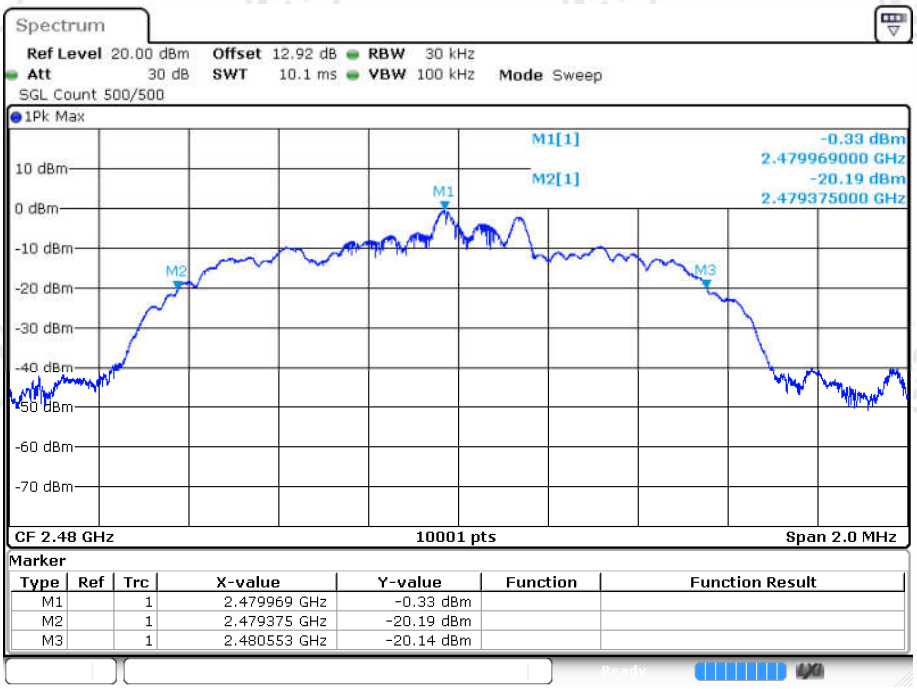
Date: 4.APR.2023 15:32:00

-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



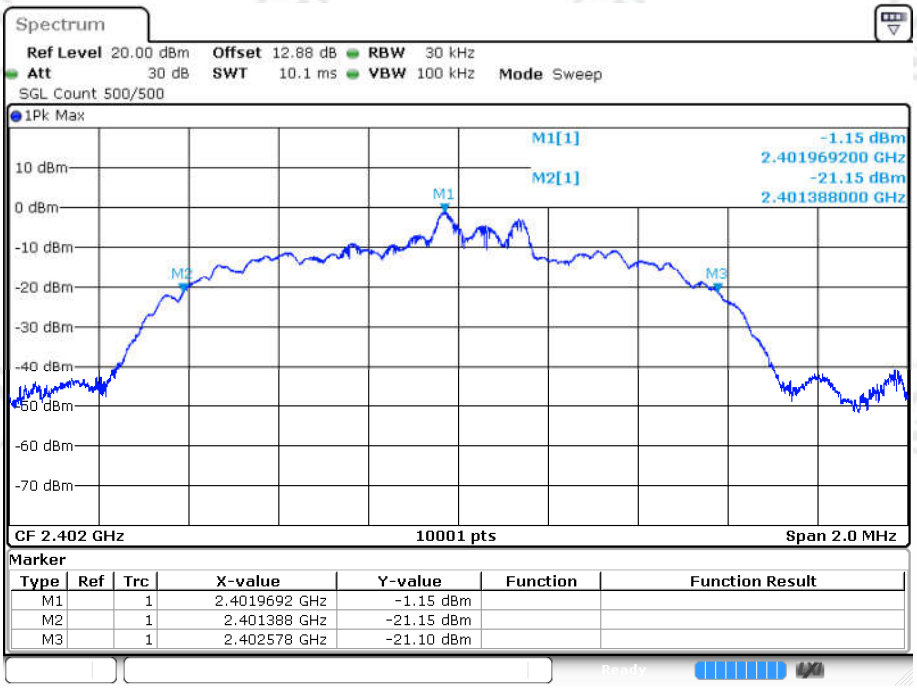
Date: 4.APR.2023 15:33:09

-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



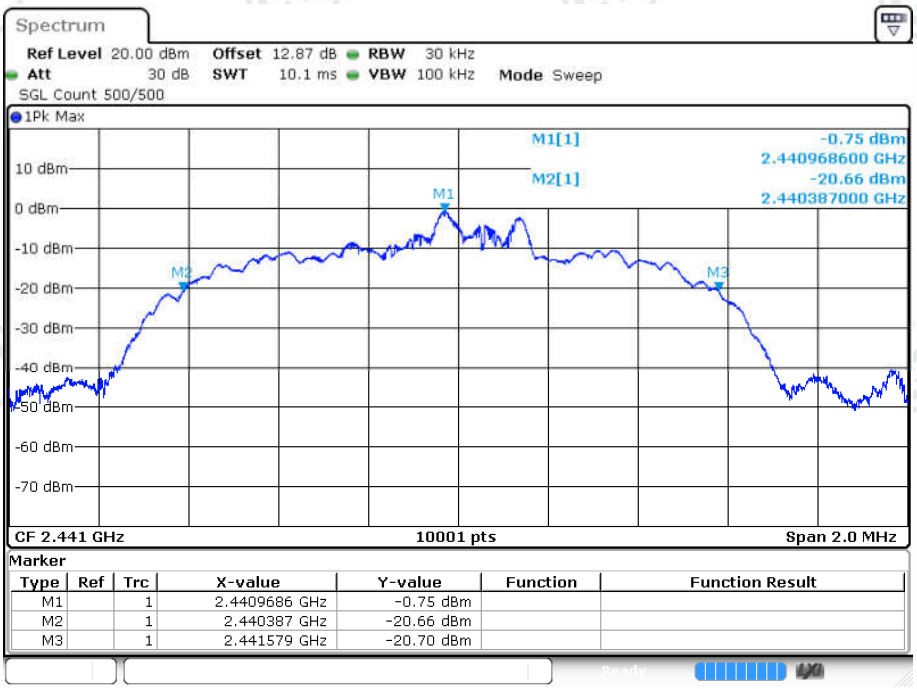
Date: 4.APR.2023 15:34:34

-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



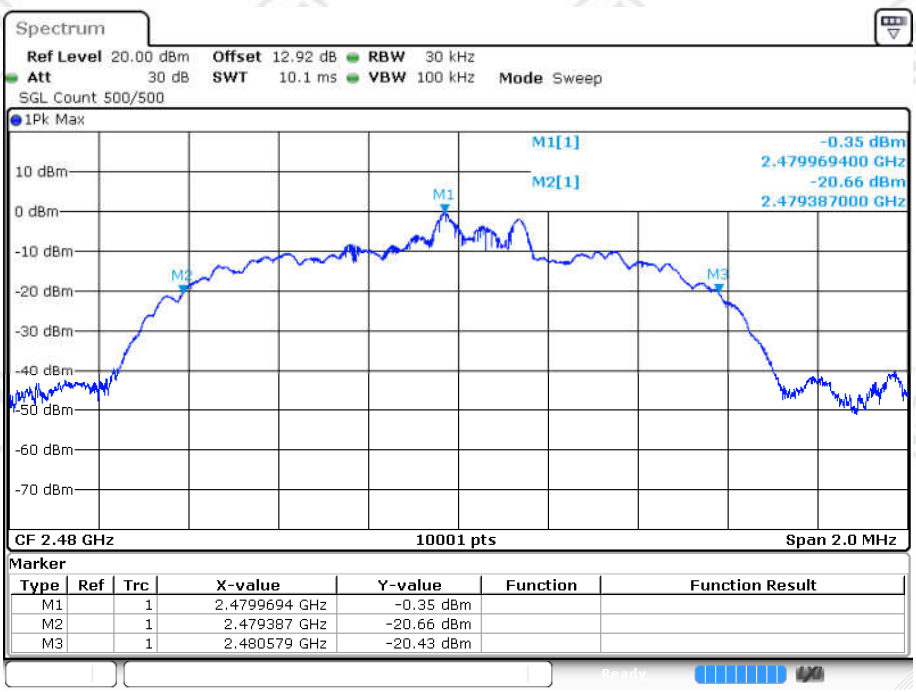
Date: 4.APR.2023 15:36:21

-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



Date: 4.APR.2023 15:37:45

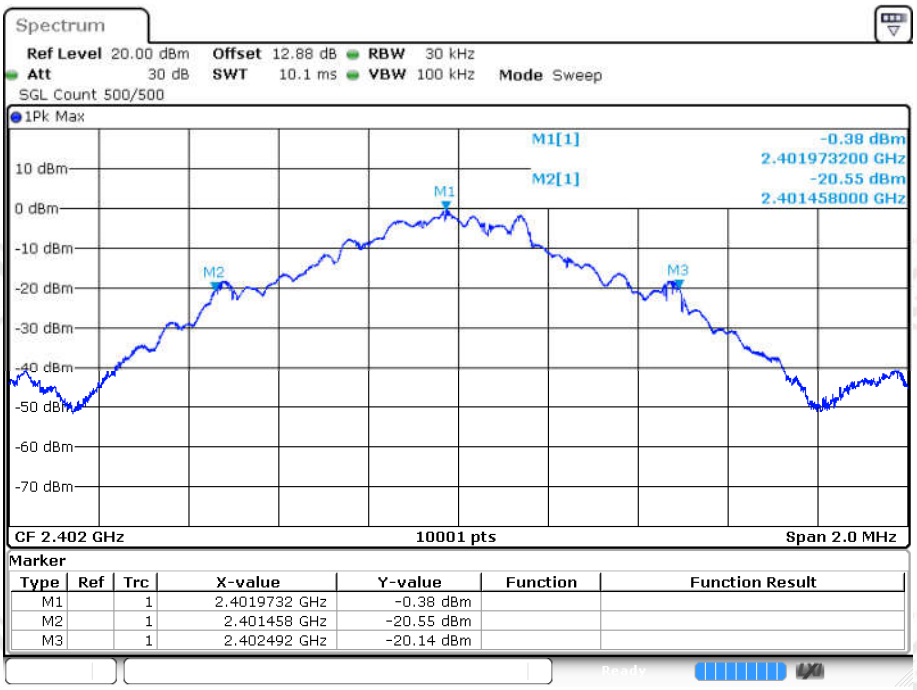
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



Right ear

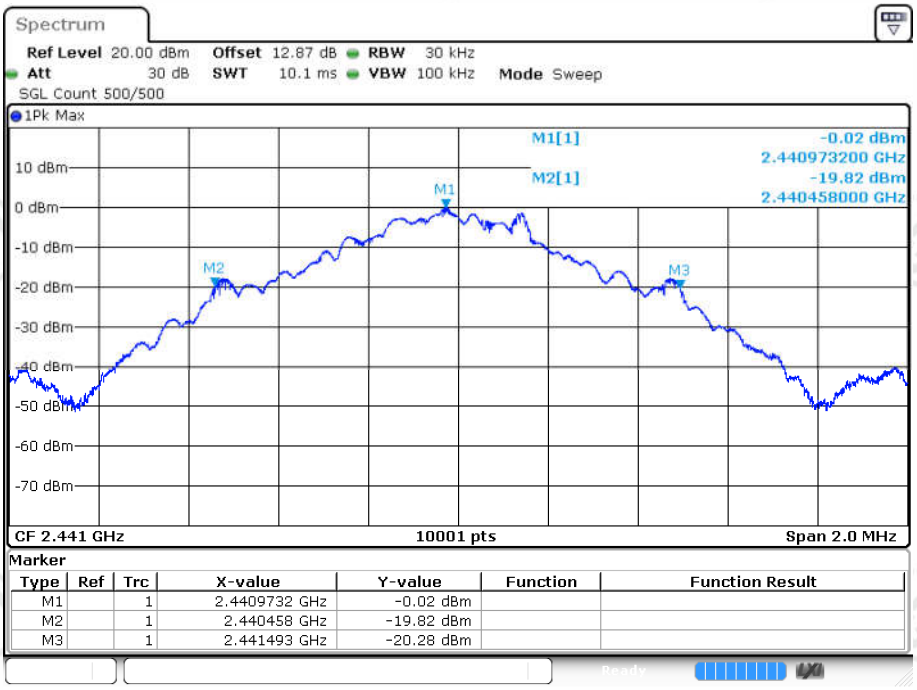
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



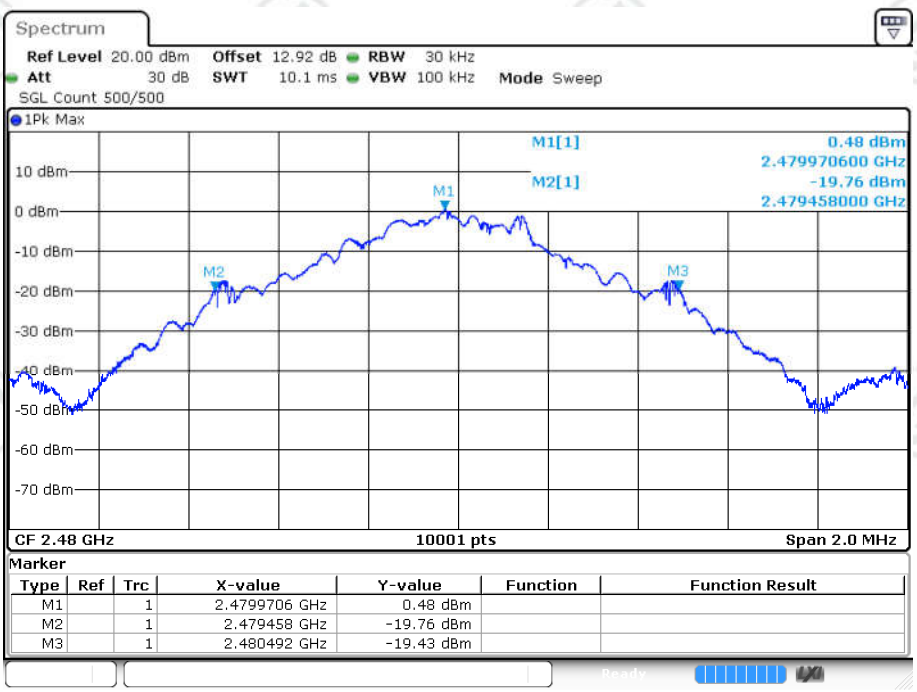
Date: 6.APR.2023 09:38:16

-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



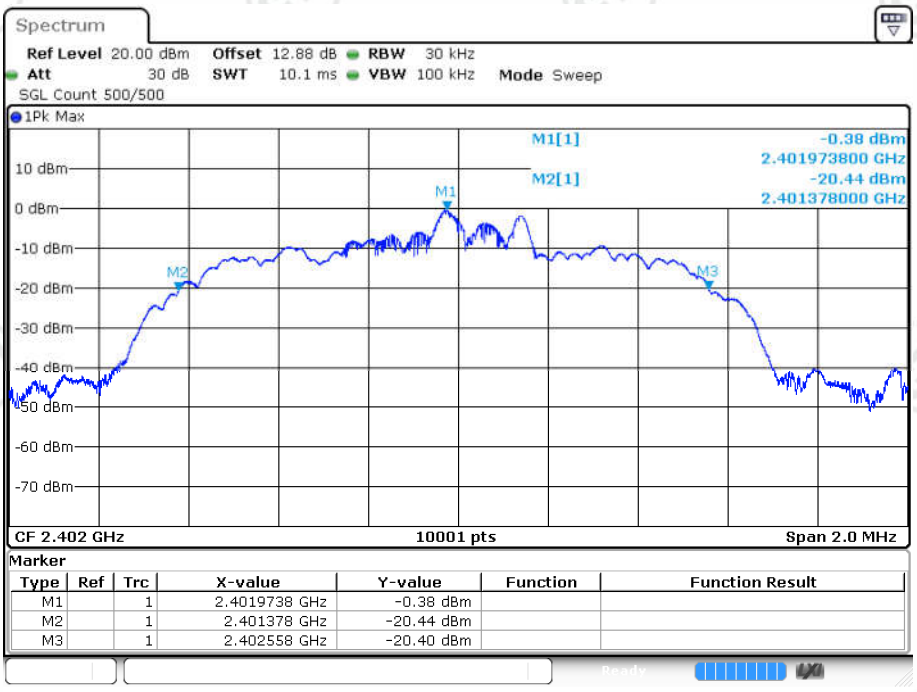
Date: 6.APR.2023 09:39:34

-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



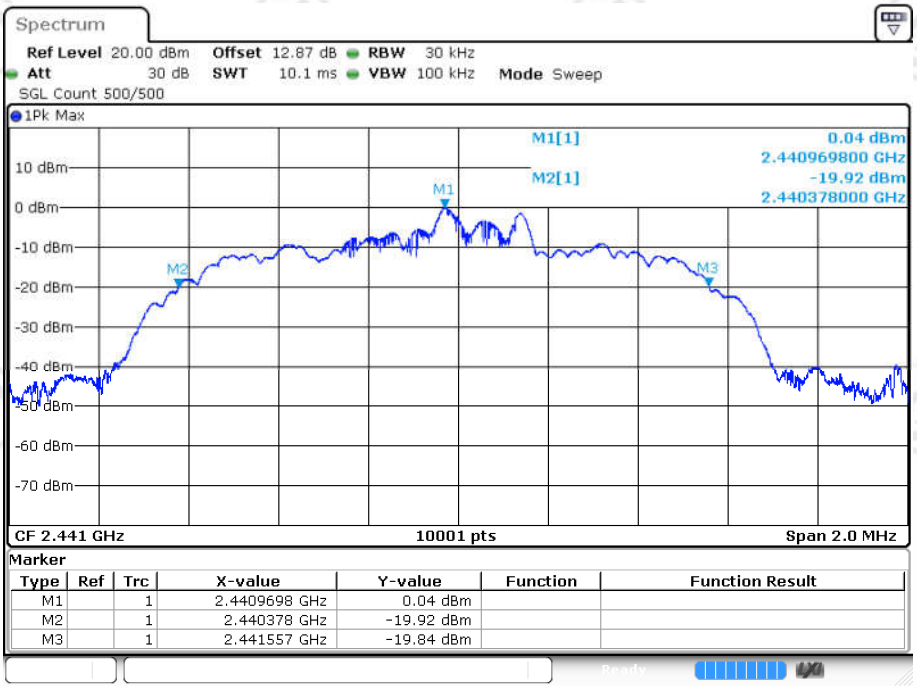
Date: 6.APR.2023 09:40:51

-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



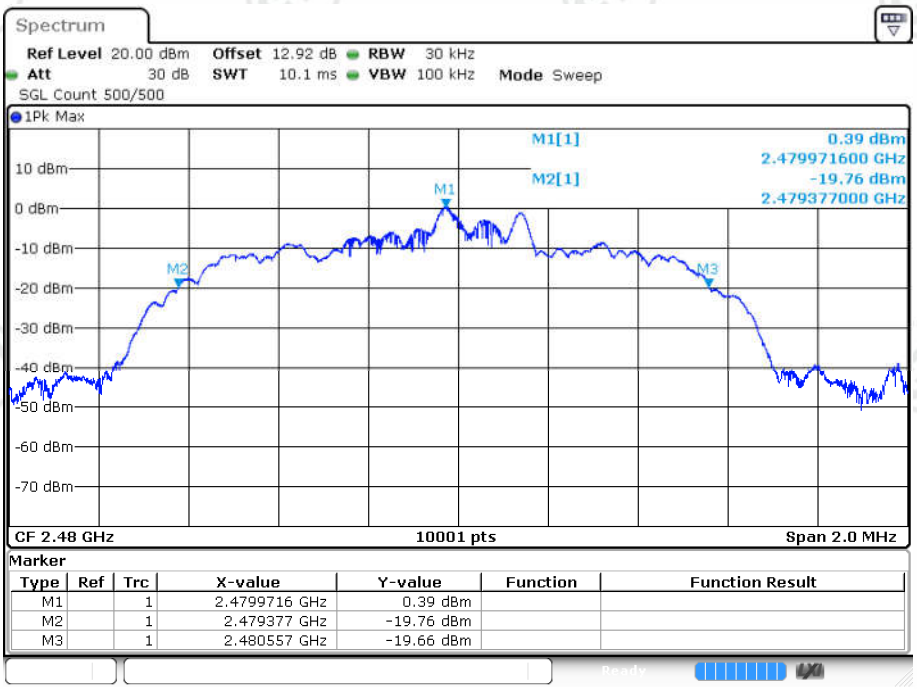
Date: 6.APR.2023 09:42:14

-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



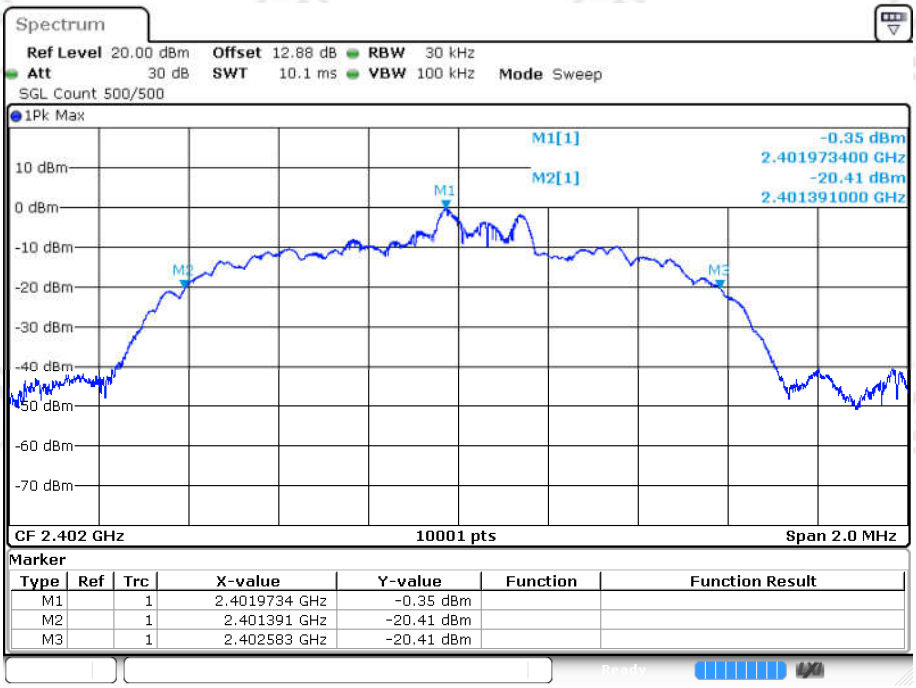
Date: 6.APR.2023 09:43:22

-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



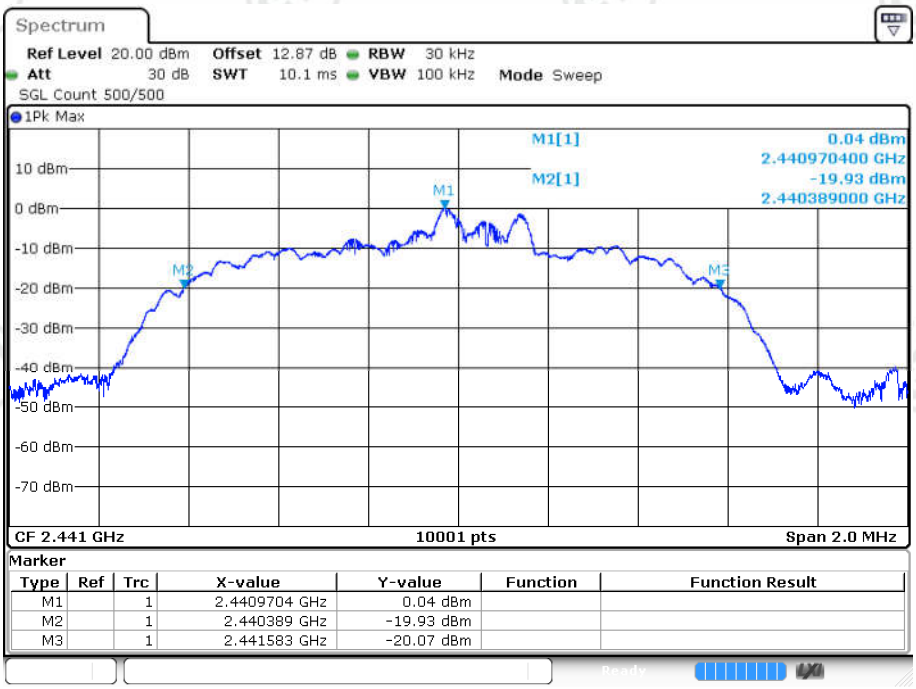
Date: 6.APR.2023 09:44:41

-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



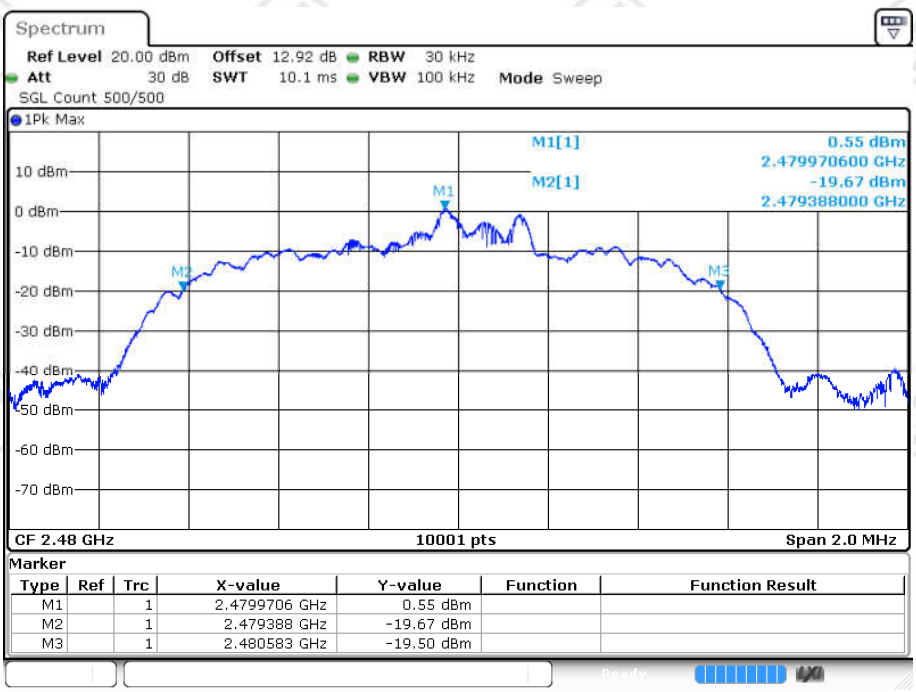
Date: 6.APR.2023 11:13:07

-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



Date: 6.APR.2023 11:14:20

-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



Occupied Channel Bandwidth

Left ear

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.915
NVNT	1-DH5	2441	Ant1	0.899
NVNT	1-DH5	2480	Ant1	0.919
NVNT	2-DH5	2402	Ant1	1.134
NVNT	2-DH5	2441	Ant1	1.134
NVNT	2-DH5	2480	Ant1	1.132
NVNT	3-DH5	2402	Ant1	1.138
NVNT	3-DH5	2441	Ant1	1.136
NVNT	3-DH5	2480	Ant1	1.139

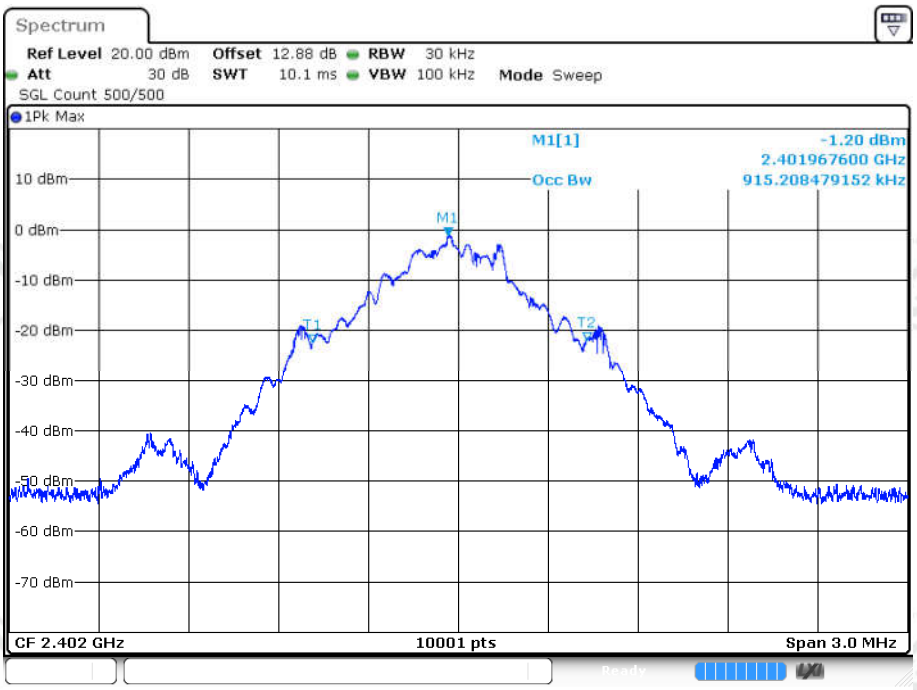
Right ear

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.917
NVNT	1-DH5	2441	Ant1	0.909
NVNT	1-DH5	2480	Ant1	0.908
NVNT	2-DH5	2402	Ant1	1.134
NVNT	2-DH5	2441	Ant1	1.133
NVNT	2-DH5	2480	Ant1	1.133
NVNT	3-DH5	2402	Ant1	1.136
NVNT	3-DH5	2441	Ant1	1.137
NVNT	3-DH5	2480	Ant1	1.139

Left ear

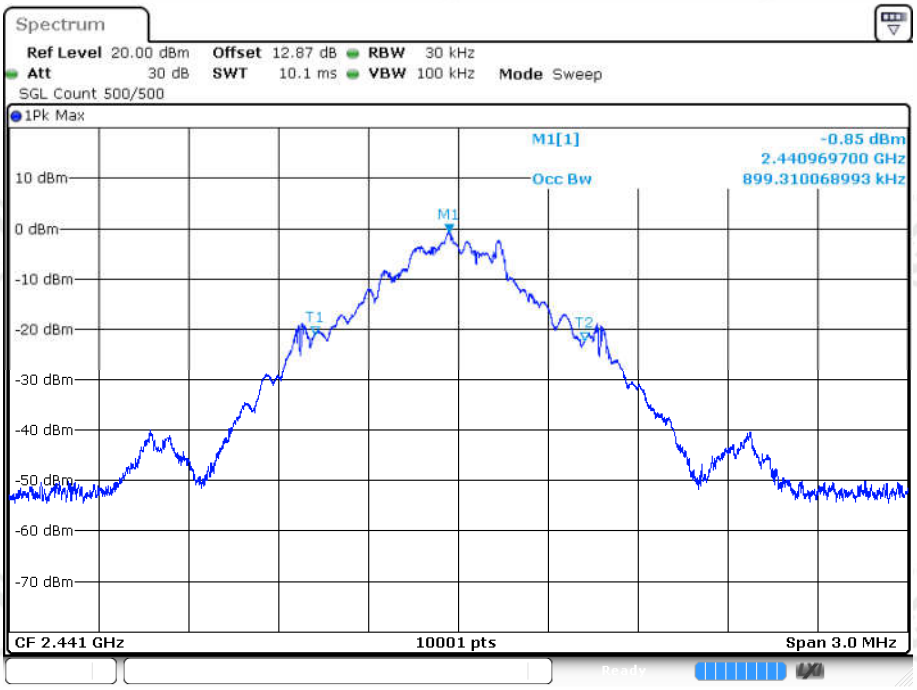
Test Graphs

OBW NVNT 1-DH5 2402MHz Ant1



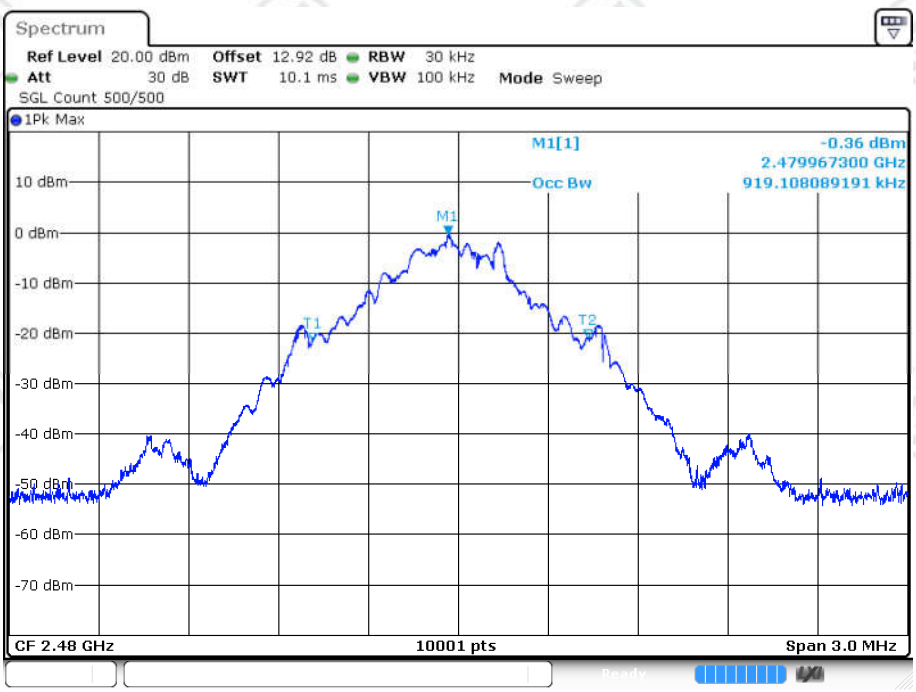
Date: 4.APR.2023 15:27:49

OBW NVNT 1-DH5 2441MHz Ant1



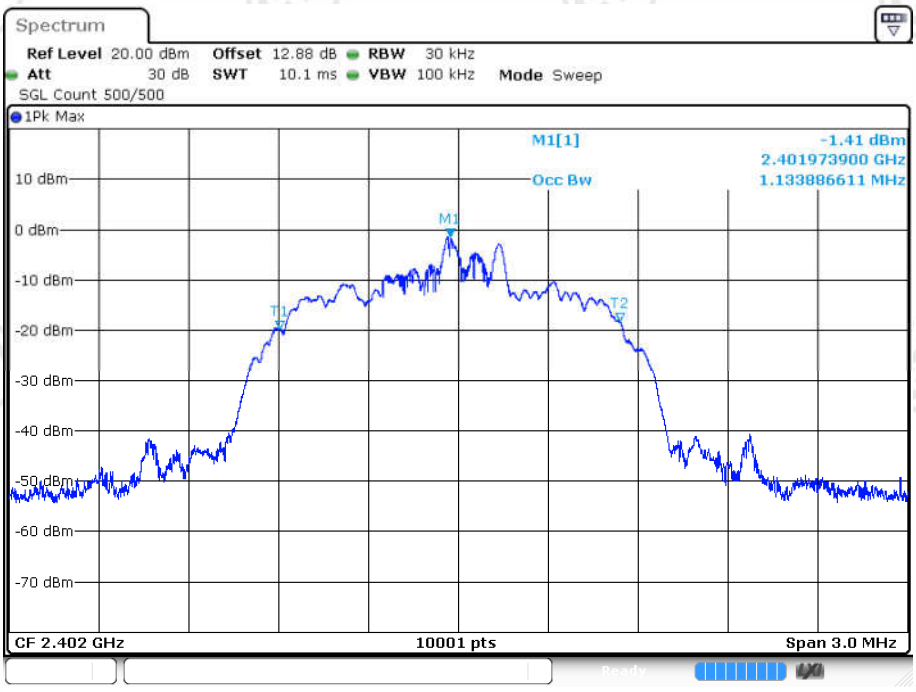
Date: 4.APR.2023 15:29:20

OBW NVNT 1-DH5 2480MHz Ant1



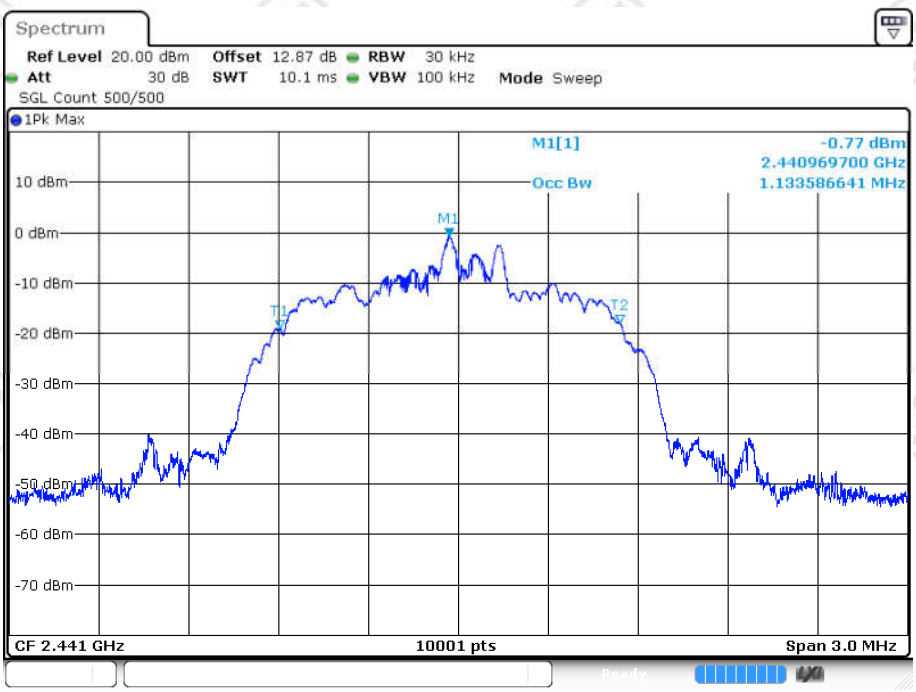
Date: 4.APR.2023 15:30:23

OBW NVNT 2-DH5 2402MHz Ant1



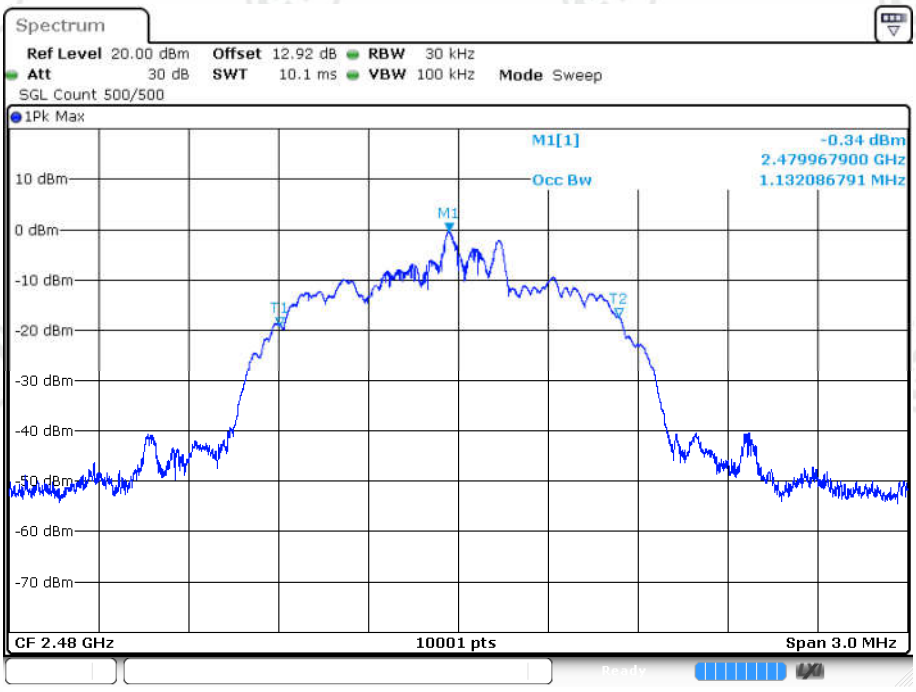
Date: 4.APR.2023 15:31:48

OBW NVNT 2-DH5 2441MHz Ant1



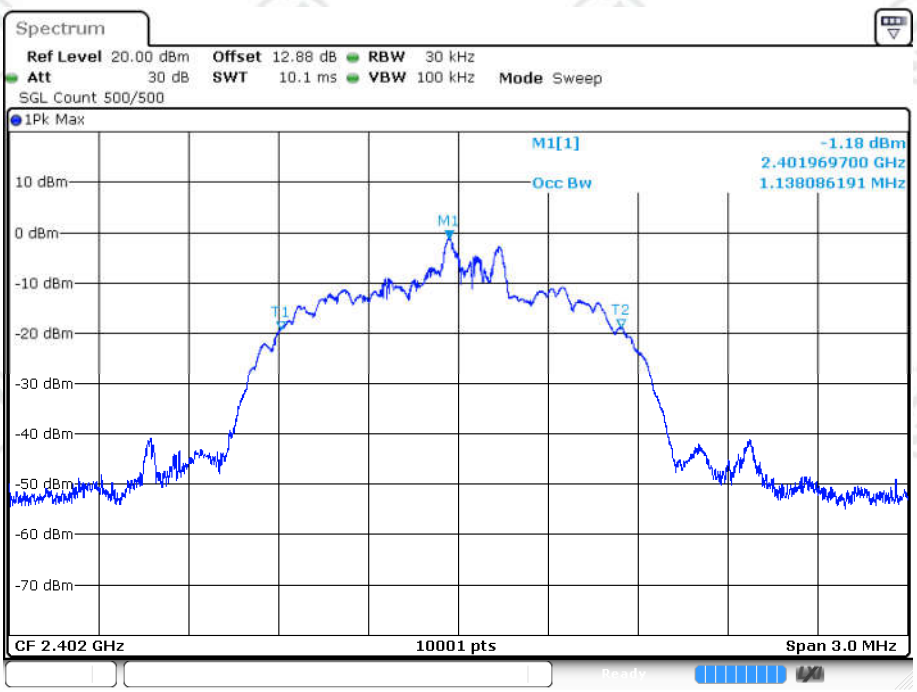
Date: 4.APR.2023 15:32:58

OBW NVNT 2-DH5 2480MHz Ant1



Date: 4.APR.2023 15:34:22

OBW NVNT 3-DH5 2402MHz Ant1

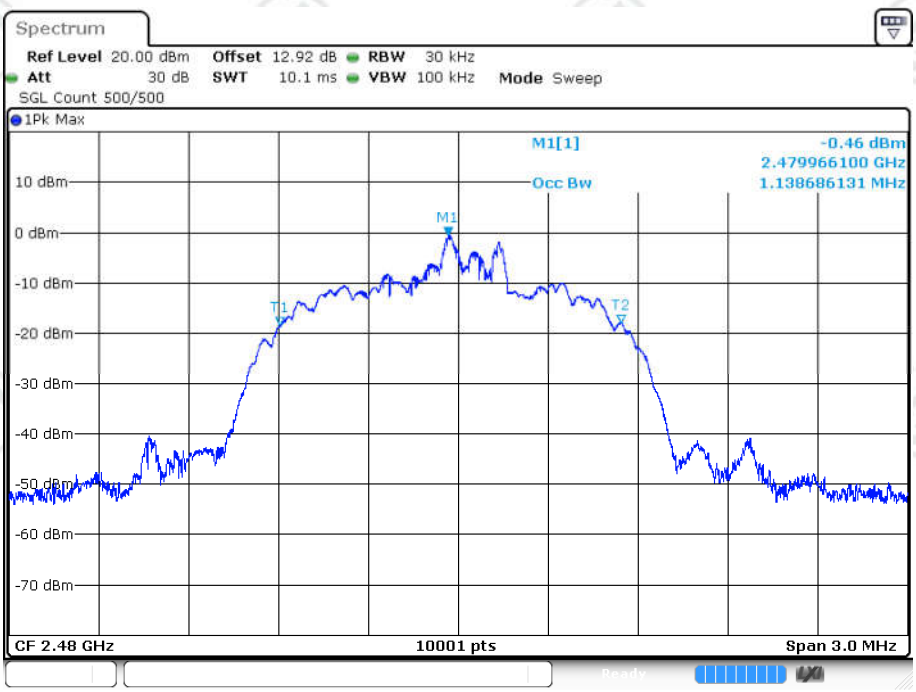


Date: 4.APR.2023 15:36:10

OBW NVNT 3-DH5 2441MHz Ant1

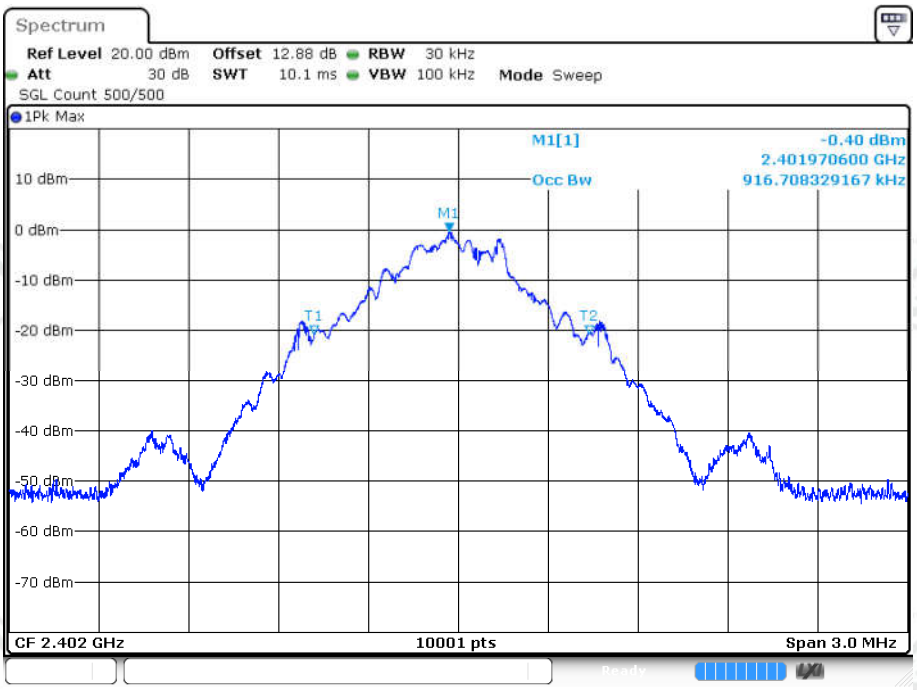
Date: 4.APR.2023 15:37:33

OBW NVNT 3-DH5 2480MHz Ant1



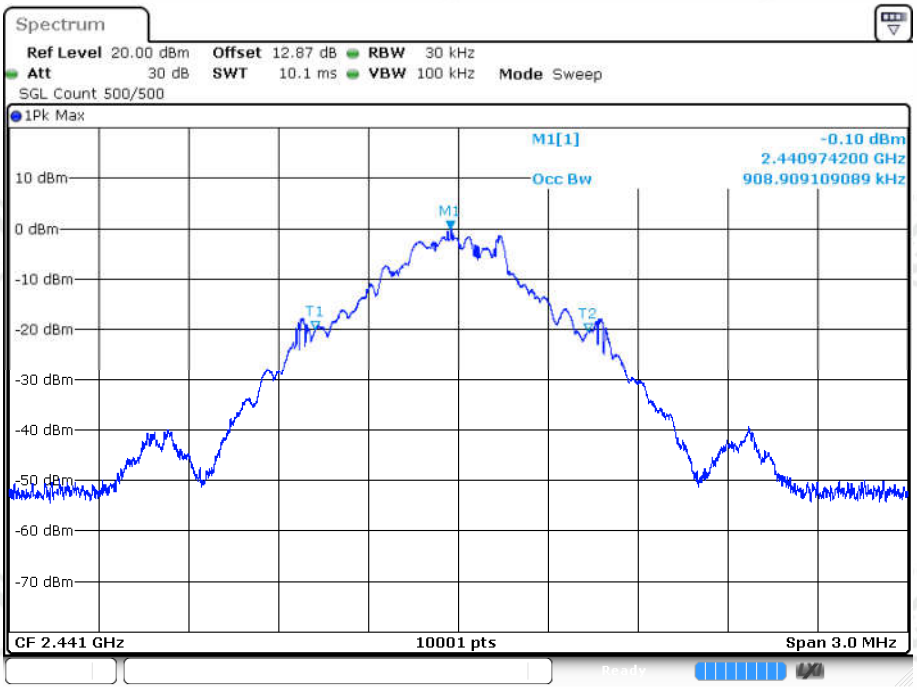
Right ear

Test Graphs
OBW NVNT 1-DH5 2402MHz Ant1



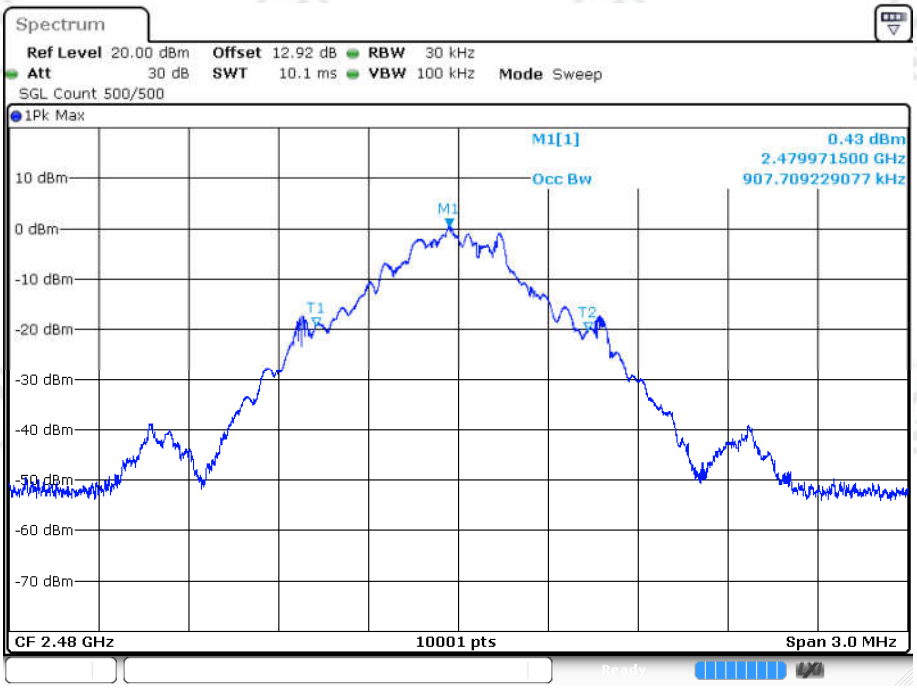
Date: 6.APR.2023 09:38:04

OBW NVNT 1-DH5 2441MHz Ant1



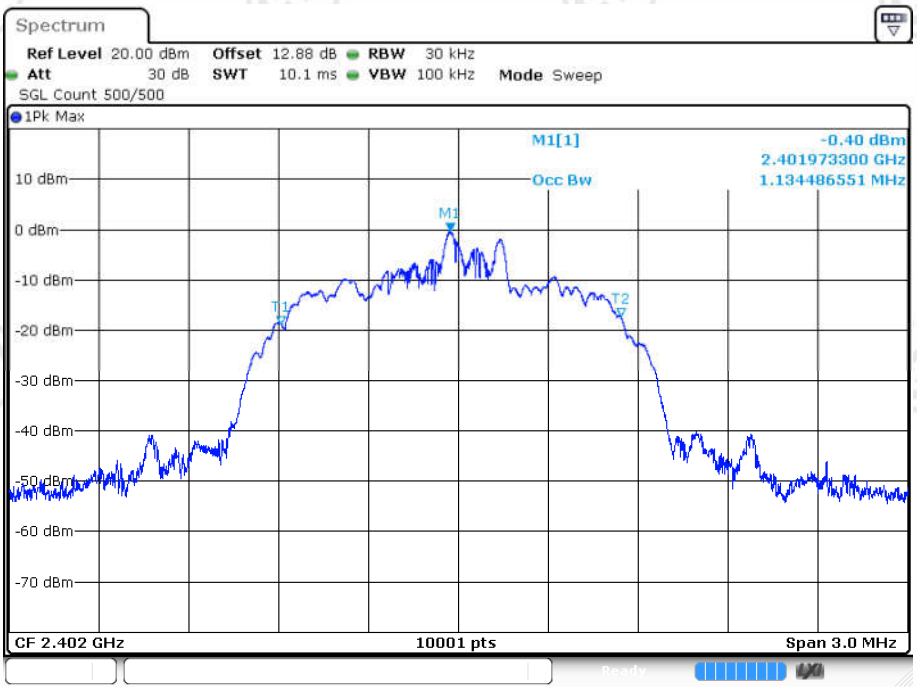
Date: 6.APR.2023 09:39:23

OBW NVNT 1-DH5 2480MHz Ant1



Date: 6.APR.2023 09:40:40

OBW NVNT 2-DH5 2402MHz Ant1

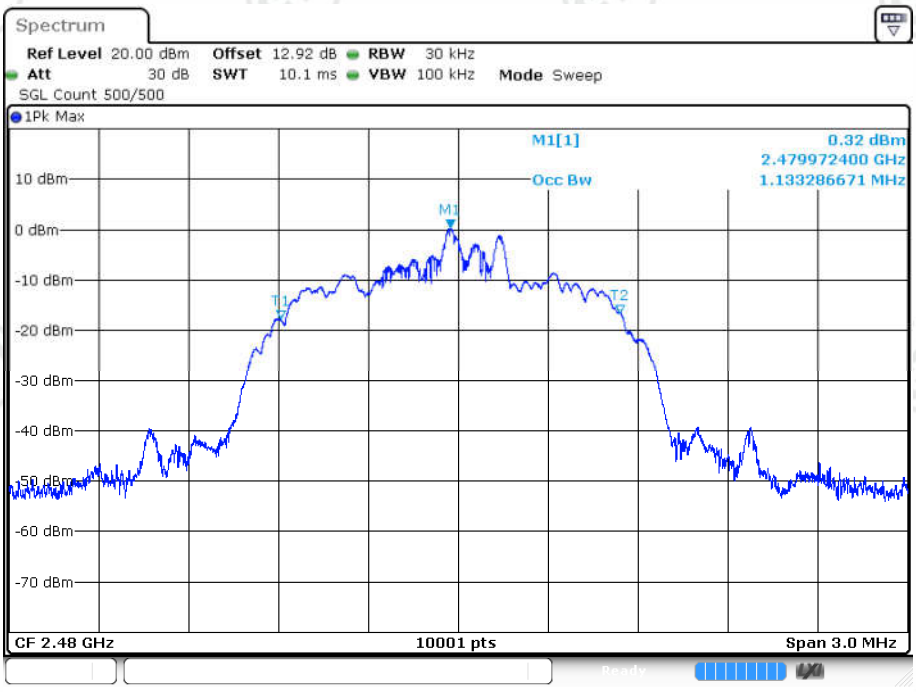


Date: 6.APR.2023 09:42:02

OBW NVNT 2-DH5 2441MHz Ant1

Date: 6.APR.2023 09:43:10

OBW NVNT 2-DH5 2480MHz Ant1

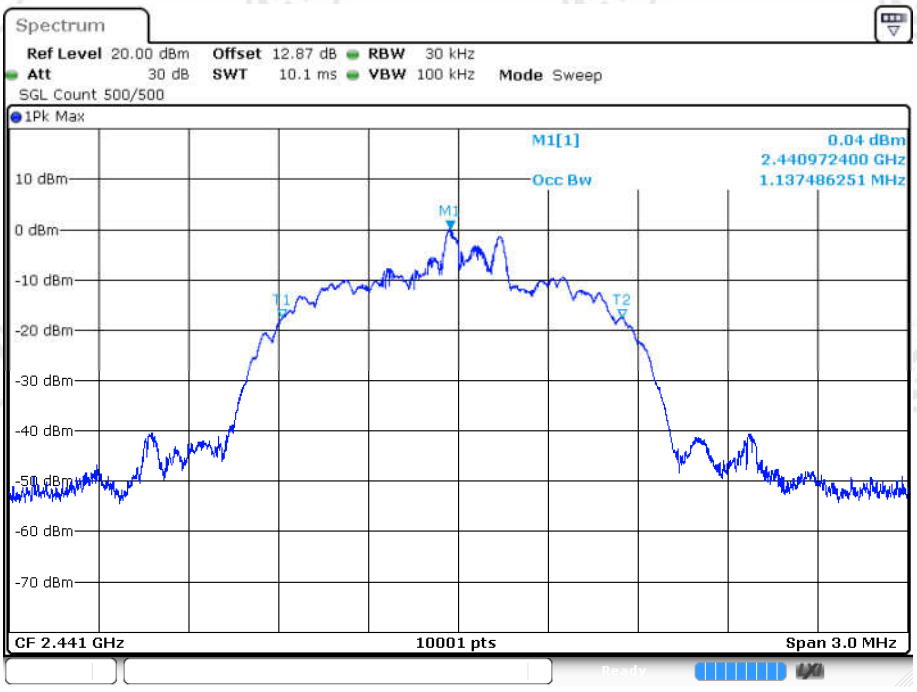


Date: 6.APR.2023 09:44:29

OBW NVNT 3-DH5 2402MHz Ant1

Date: 6.APR.2023 11:12:55

OBW NVNT 3-DH5 2441MHz Ant1



Date: 6.APR.2023 11:14:08

OBW NVNT 3-DH5 2480MHz Ant1