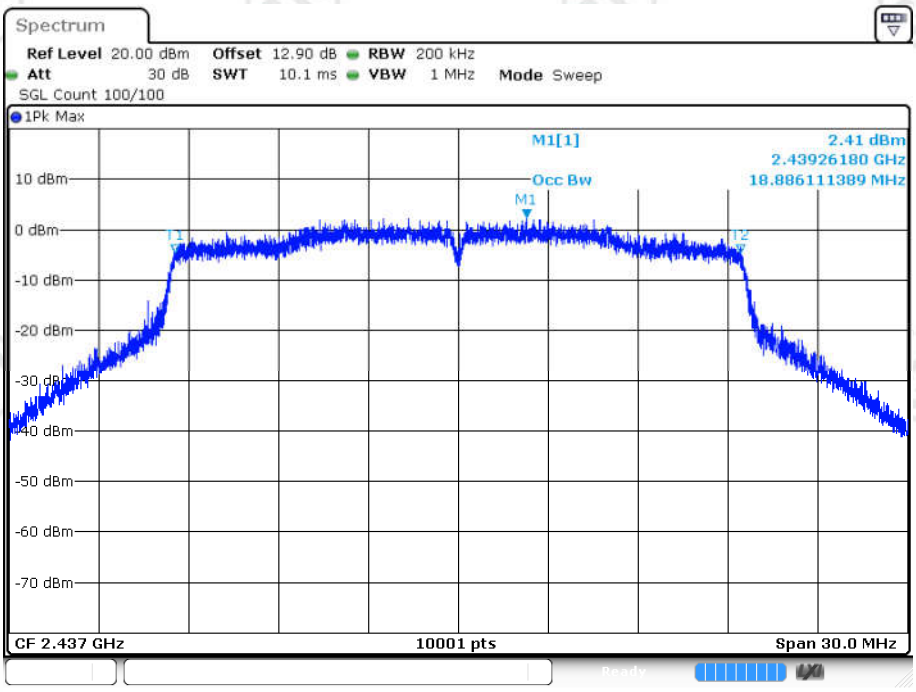
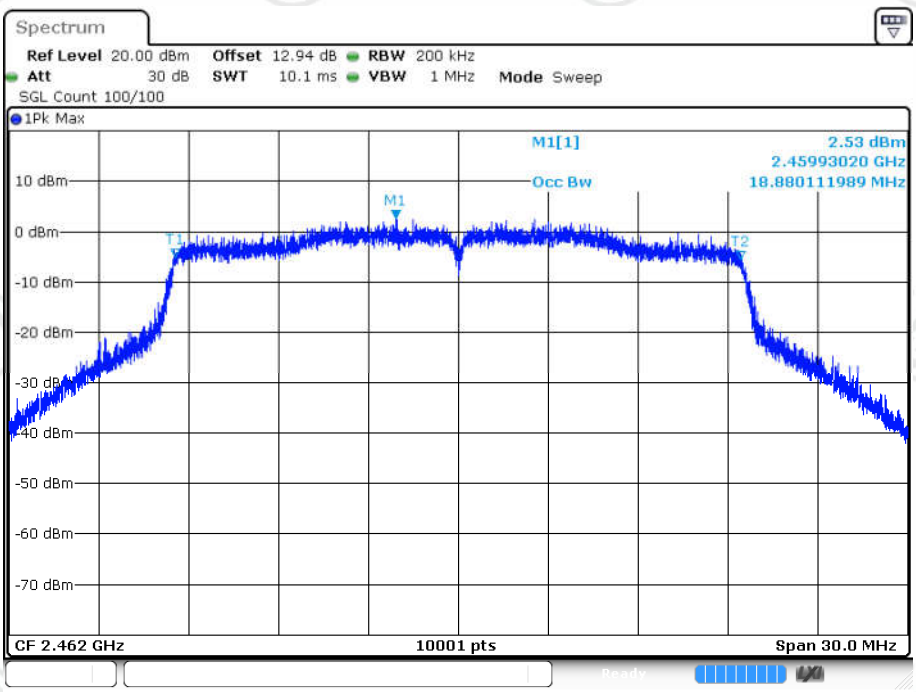
OBW NVNT ax20 2437MHz Ant2



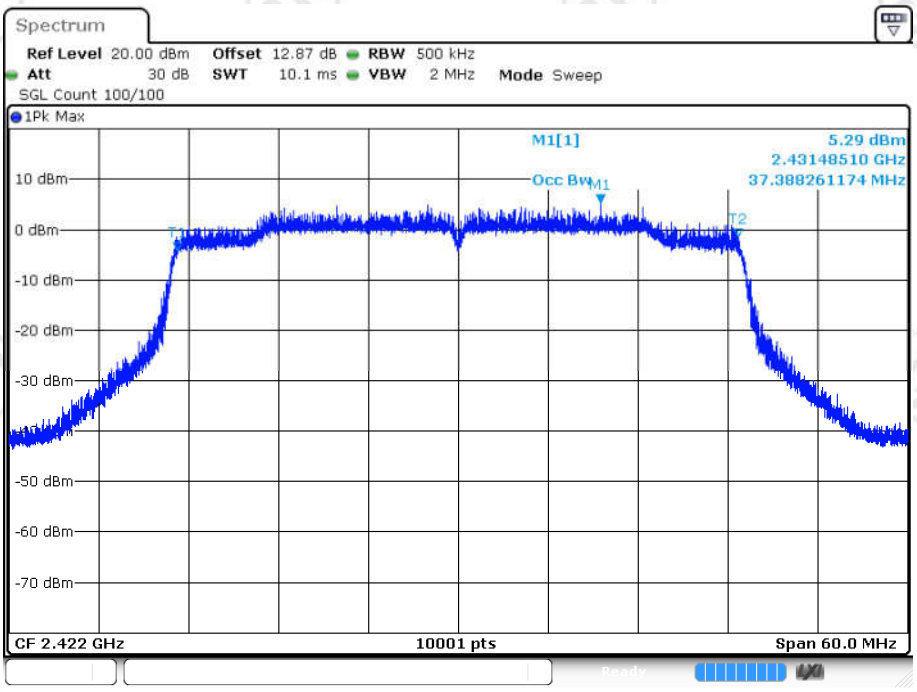
Date: 8.DEC.2023 13:12:12

OBW NVNT ax20 2462MHz Ant2



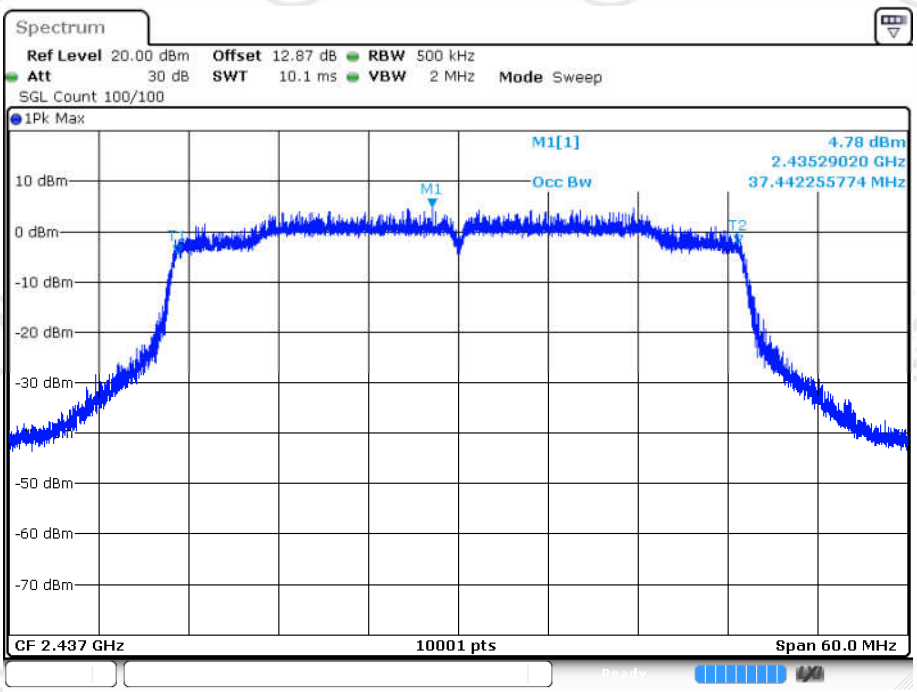
Date: 8.DEC.2023 13:14:00

OBW NVNT ax40 2422MHz Ant1



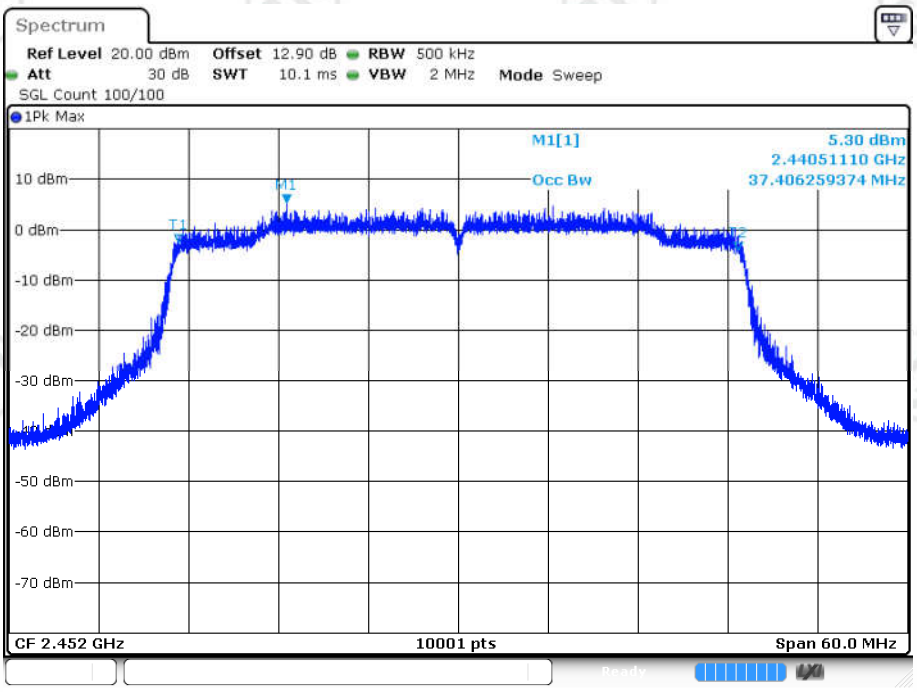
Date: 8.DEC.2023 11:02:53

OBW NVNT ax40 2437MHz Ant1



Date: 8.DEC.2023 11:05:23

OBW NVNT ax40 2452MHz Ant1



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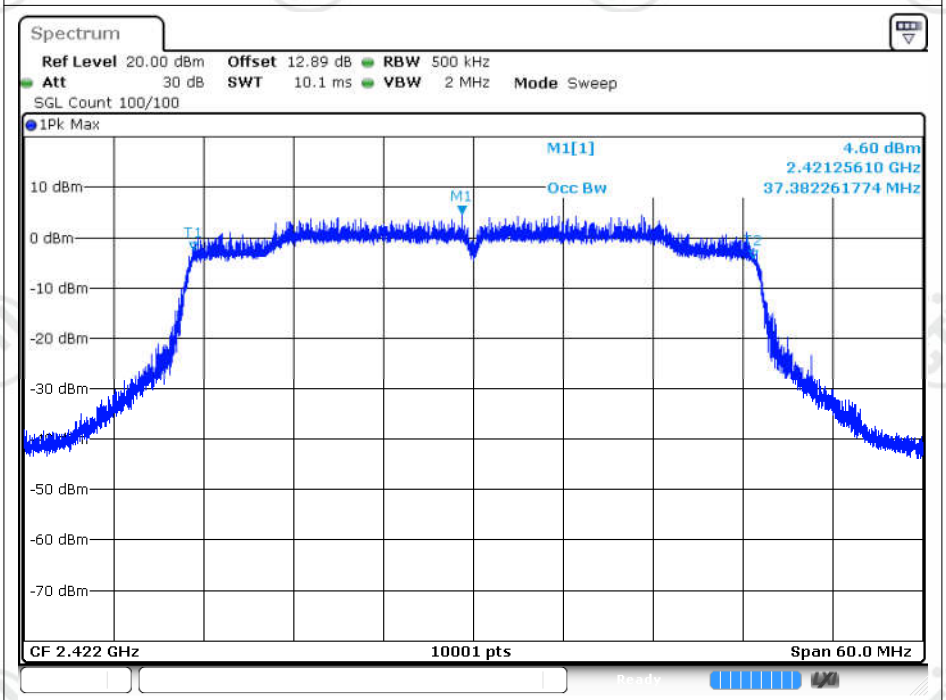
OBW NVNT ax40 2422MHz Ant2



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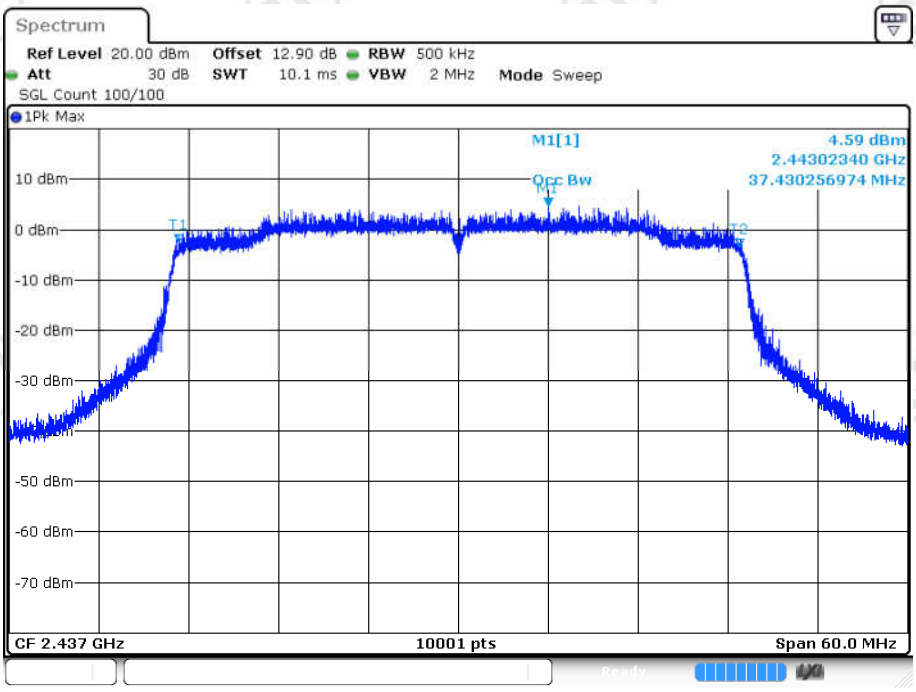

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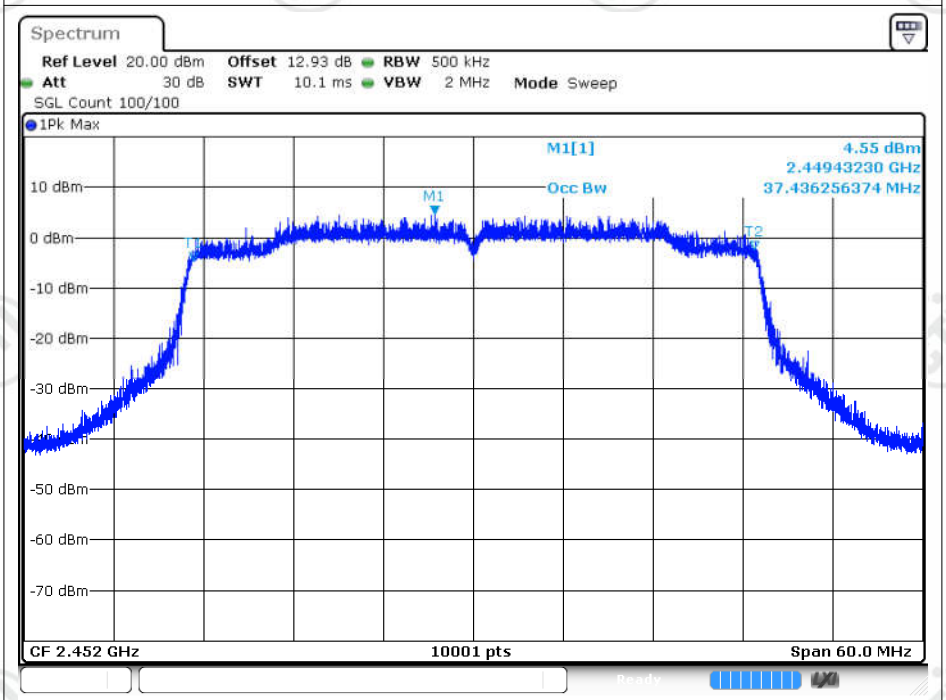
OBW NVNT ax40 2452MHz Ant2



Date: 8.DEC.2023 13:33:20

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.69	8	Pass
NVNT	b	2437	Ant1	-9.92	8	Pass
NVNT	b	2462	Ant1	-9.86	8	Pass
NVNT	b	2412	Ant2	-9.7	8	Pass
NVNT	b	2437	Ant2	-9.67	8	Pass
NVNT	b	2462	Ant2	-9.44	8	Pass
NVNT	g	2412	Ant1	-12.35	8	Pass
NVNT	g	2437	Ant1	-12.7	8	Pass
NVNT	g	2462	Ant1	-12.84	8	Pass
NVNT	g	2412	Ant2	-13.82	8	Pass
NVNT	g	2437	Ant2	-13.76	8	Pass
NVNT	g	2462	Ant2	-13.02	8	Pass
NVNT	n20	2412	Ant1	-12.11	8	Pass
NVNT	n20	2437	Ant1	-13.15	8	Pass
NVNT	n20	2462	Ant1	-13.12	8	Pass
NVNT	n20	2412	Ant2	-13.5	8	Pass
NVNT	n20	2437	Ant2	-13.63	8	Pass
NVNT	n20	2462	Ant2	-13.3	8	Pass
NVNT	n20	2412	Ant1	-18.41	8	Pass
NVNT	n20	2412	Ant2	-18.92	8	Pass
NVNT	n20	2412	Sum	-15.65	8	Pass
NVNT	n20	2437	Ant1	-17.95	8	Pass
NVNT	n20	2437	Ant2	-19.53	8	Pass
NVNT	n20	2437	Sum	-15.66	8	Pass
NVNT	n20	2462	Ant1	-18.63	8	Pass
NVNT	n20	2462	Ant2	-18.67	8	Pass
NVNT	n20	2462	Sum	-15.64	8	Pass
NVNT	n40	2422	Ant1	-14.61	8	Pass
NVNT	n40	2437	Ant1	-15.84	8	Pass
NVNT	n40	2452	Ant1	-14.33	8	Pass
NVNT	n40	2422	Ant2	-16.03	8	Pass
NVNT	n40	2437	Ant2	-14.15	8	Pass
NVNT	n40	2452	Ant2	-16.21	8	Pass
NVNT	n40	2422	Ant1	-21.51	8	Pass
NVNT	n40	2422	Ant2	-19.81	8	Pass
NVNT	n40	2422	Sum	-17.57	8	Pass
NVNT	n40	2437	Ant1	-20.58	8	Pass
NVNT	n40	2437	Ant2	-21.08	8	Pass

NVNT	n40	2437	Sum	-17.81	8	Pass
NVNT	n40	2452	Ant1	-20.92	8	Pass
NVNT	n40	2452	Ant2	-21.13	8	Pass
NVNT	n40	2452	Sum	-18.01	8	Pass
NVNT	ax20	2412	Ant1	-13.72	8	Pass
NVNT	ax20	2437	Ant1	-13.94	8	Pass
NVNT	ax20	2462	Ant1	-13.56	8	Pass
NVNT	ax20	2412	Ant2	-13.73	8	Pass
NVNT	ax20	2437	Ant2	-13.82	8	Pass
NVNT	ax20	2462	Ant2	-14.22	8	Pass
NVNT	ax20	2412	Ant1	-18.6	8	Pass
NVNT	ax20	2412	Ant2	-20.29	8	Pass
NVNT	ax20	2412	Sum	-16.35	8	Pass
NVNT	ax20	2437	Ant1	-19.41	8	Pass
NVNT	ax20	2437	Ant2	-18.39	8	Pass
NVNT	ax20	2437	Sum	-15.86	8	Pass
NVNT	ax20	2462	Ant1	-18.66	8	Pass
NVNT	ax20	2462	Ant2	-19.38	8	Pass
NVNT	ax20	2462	Sum	-15.99	8	Pass
NVNT	ax40	2422	Ant1	-15.84	8	Pass
NVNT	ax40	2437	Ant1	-16.29	8	Pass
NVNT	ax40	2452	Ant1	-16.11	8	Pass
NVNT	ax40	2422	Ant2	-16.67	8	Pass
NVNT	ax40	2437	Ant2	-15.87	8	Pass
NVNT	ax40	2452	Ant2	-16.49	8	Pass
NVNT	ax40	2422	Ant1	-21.95	8	Pass
NVNT	ax40	2422	Ant2	-21.43	8	Pass
NVNT	ax40	2422	Sum	-18.67	8	Pass
NVNT	ax40	2437	Ant1	-21.61	8	Pass
NVNT	ax40	2437	Ant2	-22.23	8	Pass
NVNT	ax40	2437	Sum	-18.9	8	Pass
NVNT	ax40	2452	Ant1	-22.26	8	Pass
NVNT	ax40	2452	Ant2	-21.5	8	Pass
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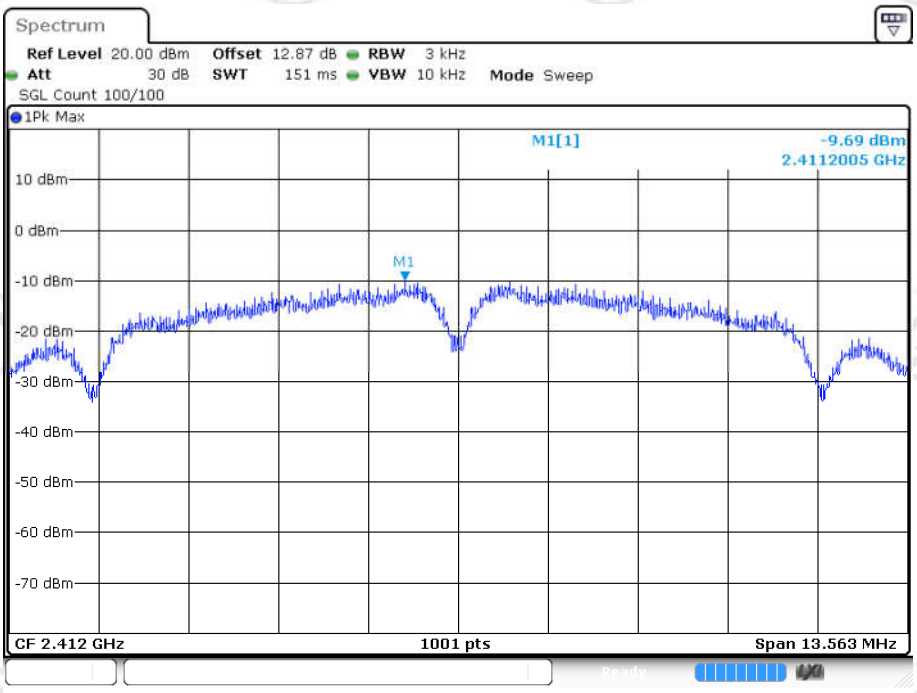
Note:The Conducted PSD has been added Duty Cycle factor.

Test Graphs

PSD NVNT b 2412MHz Ant1



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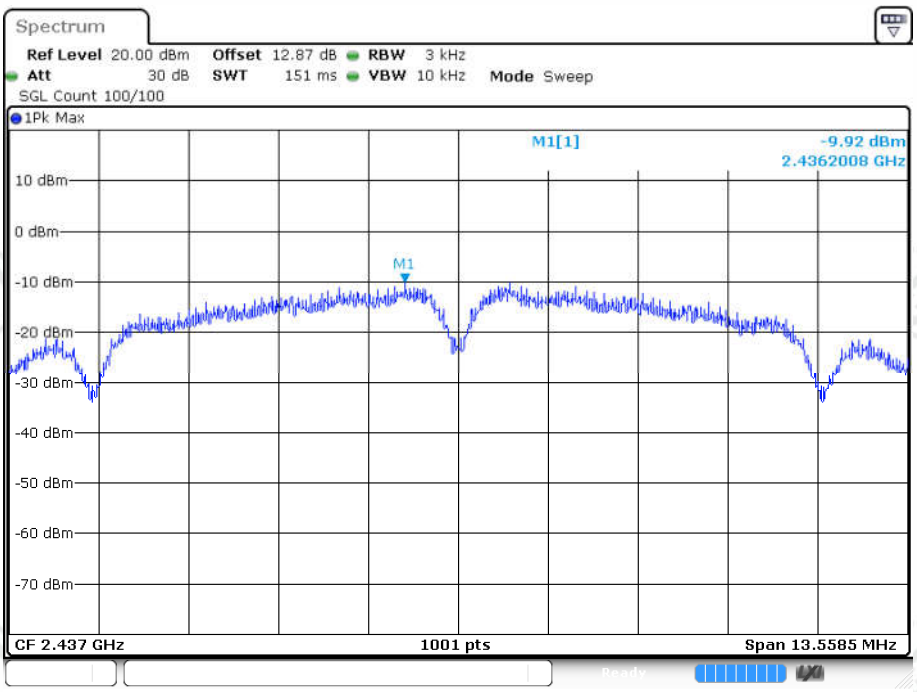
PSD NVNT b 2437MHz Ant1



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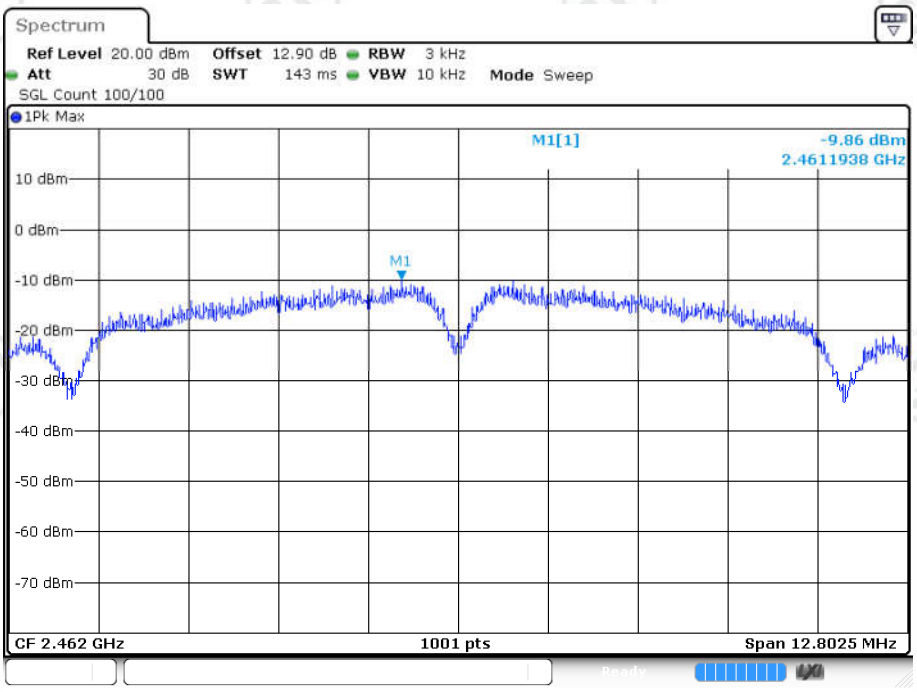
PSD NVNT b 2462MHz Ant1



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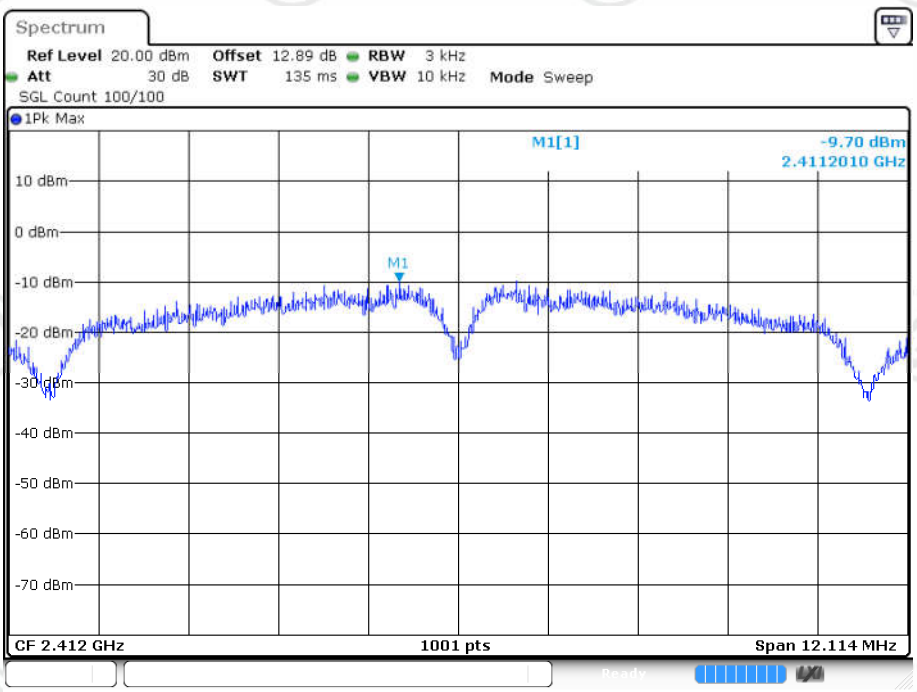

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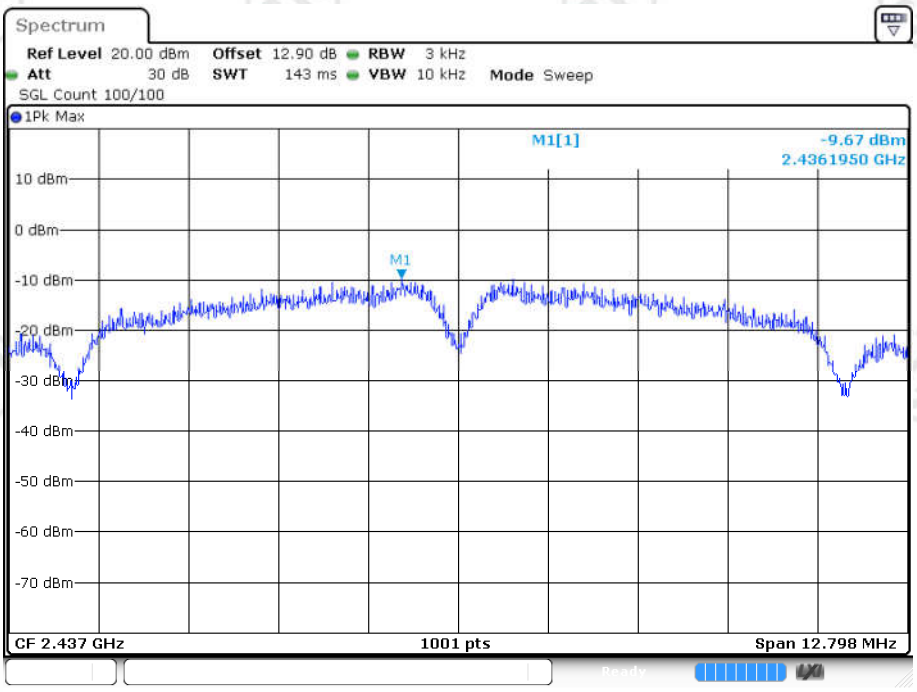

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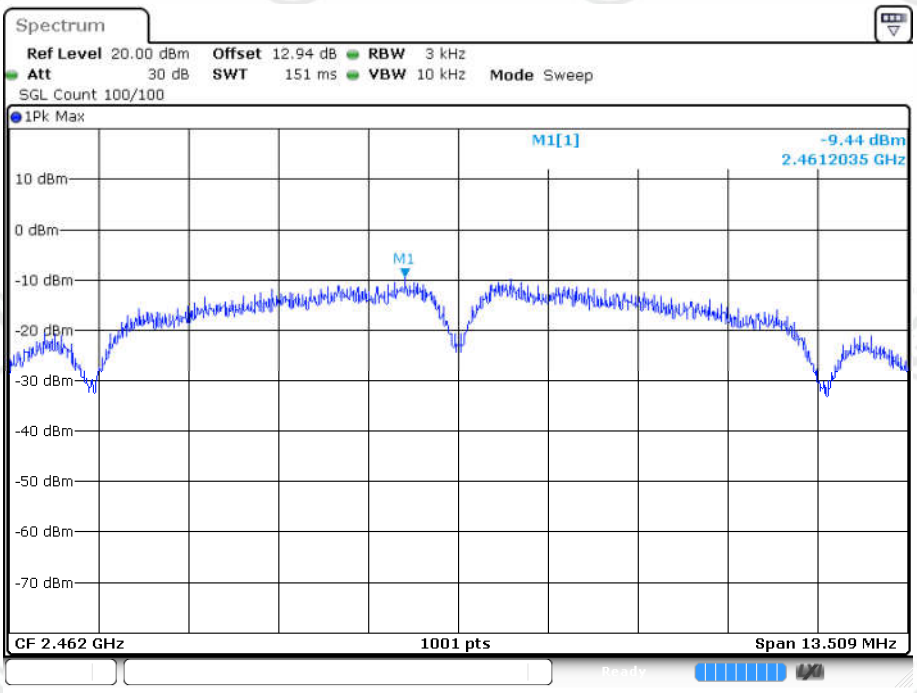

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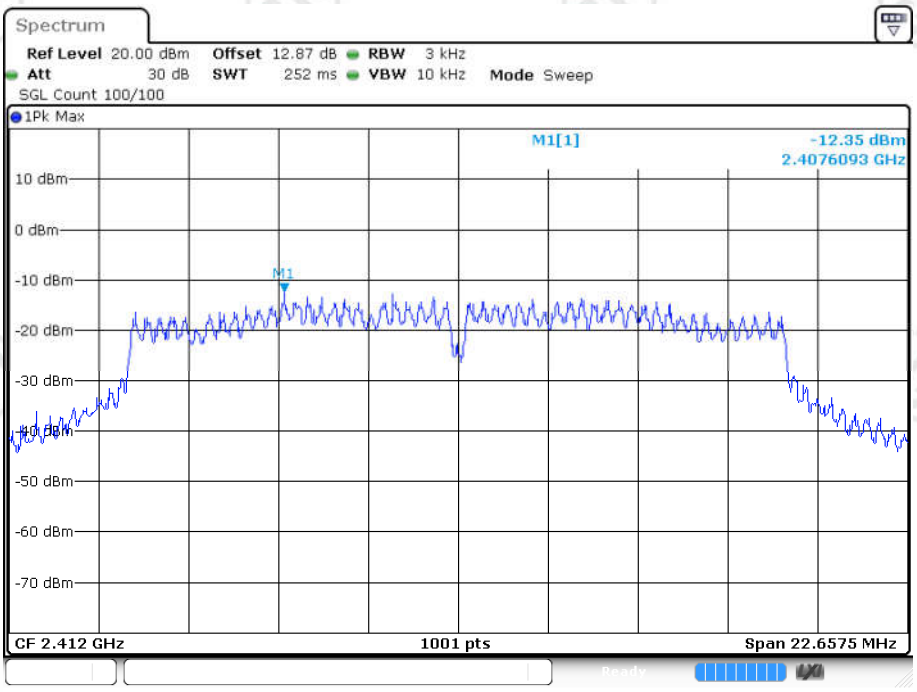
PSD NVNT g 2412MHz Ant1



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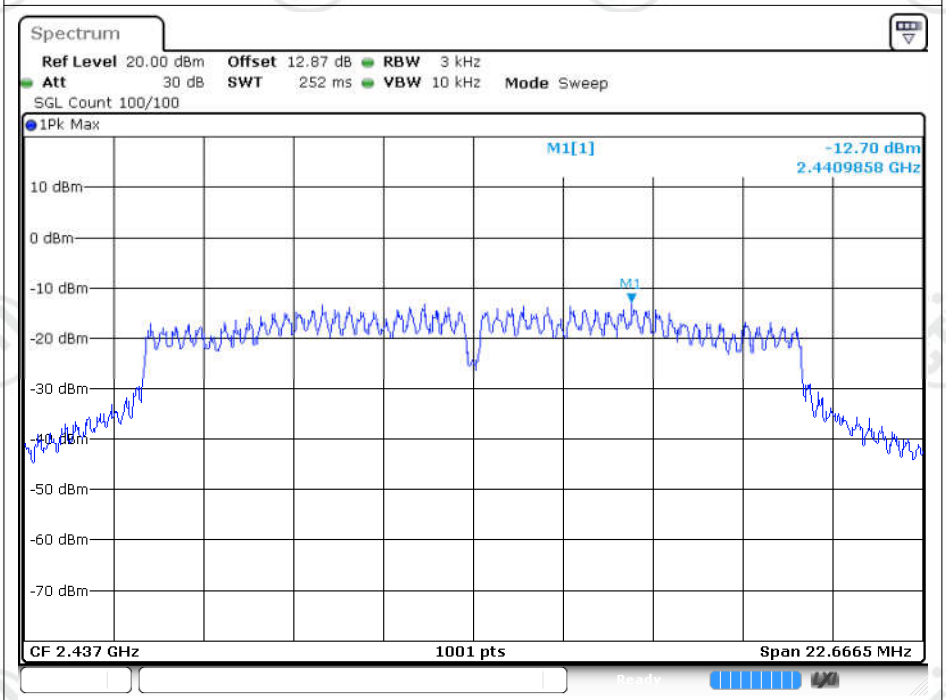

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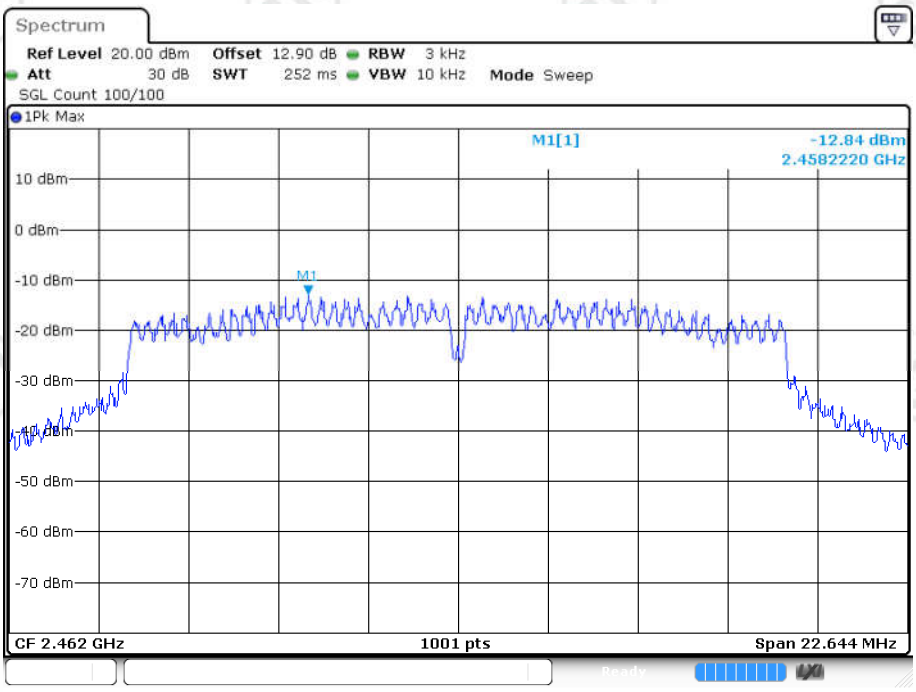

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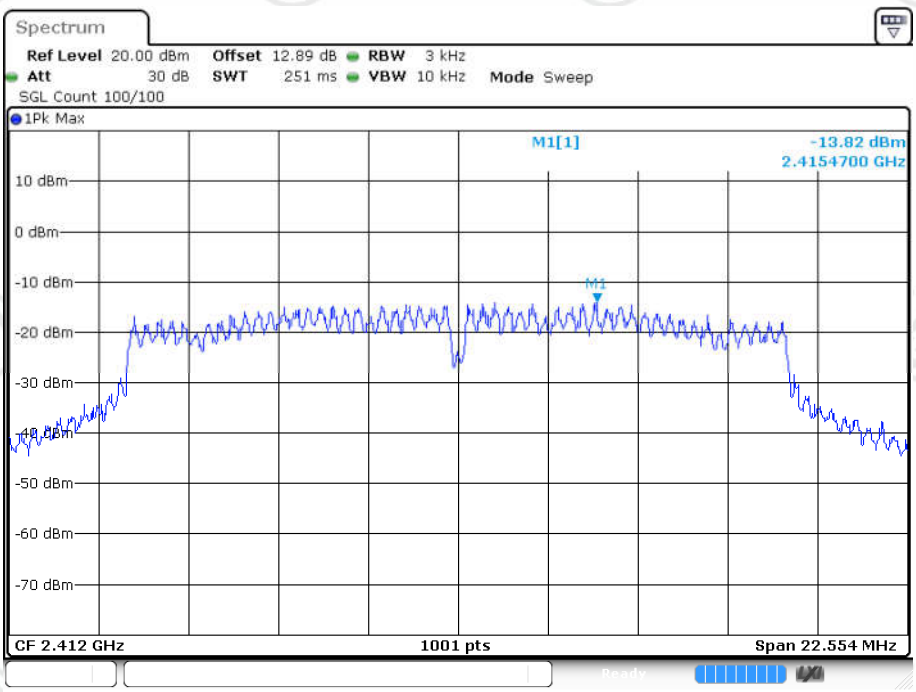
PSD NVNT g 2412MHz Ant2



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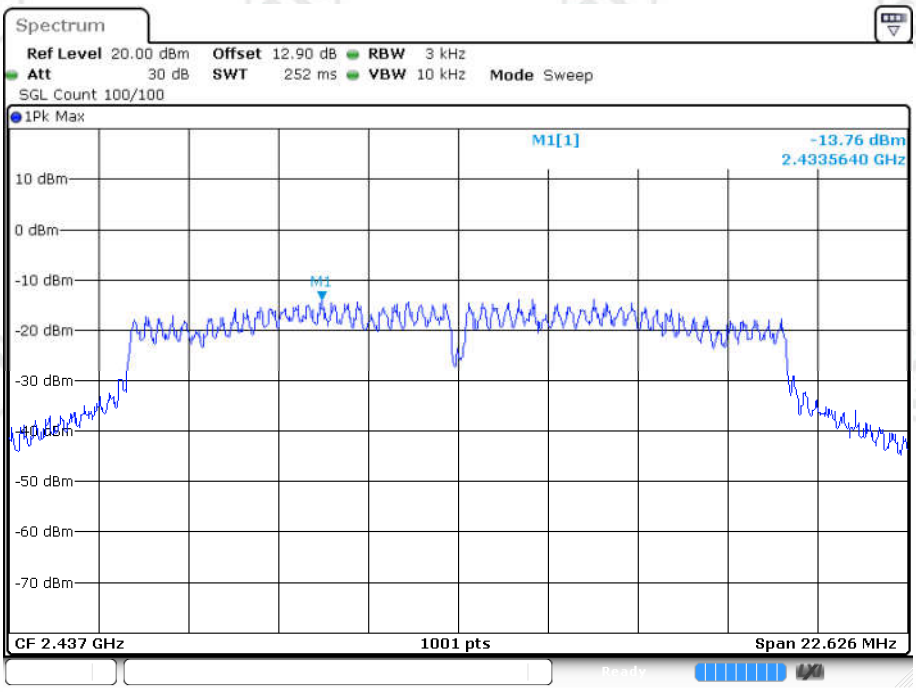

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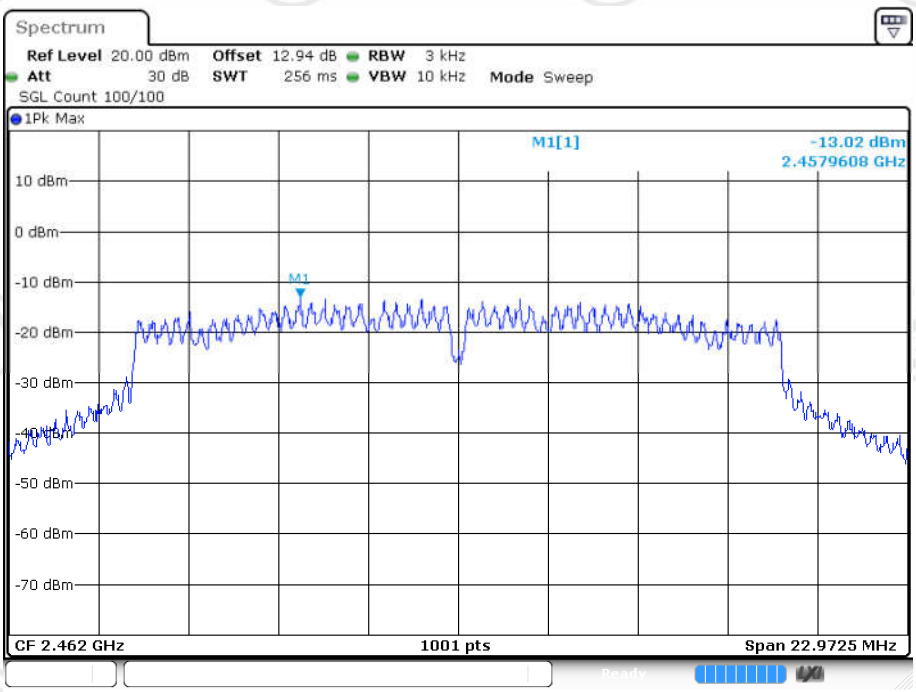

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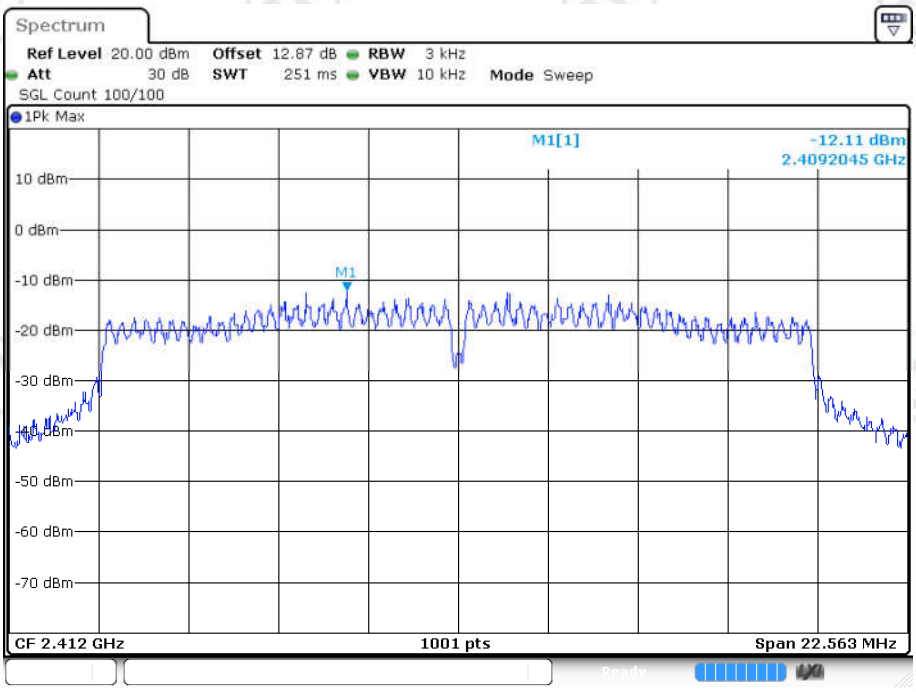
PSD NVNT n20 2412MHz Ant1



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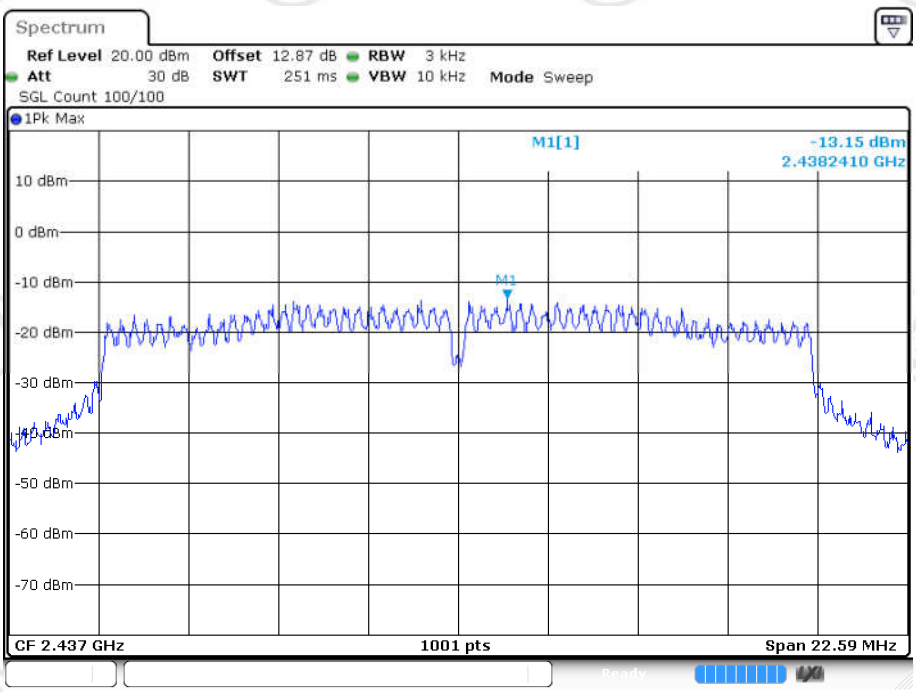

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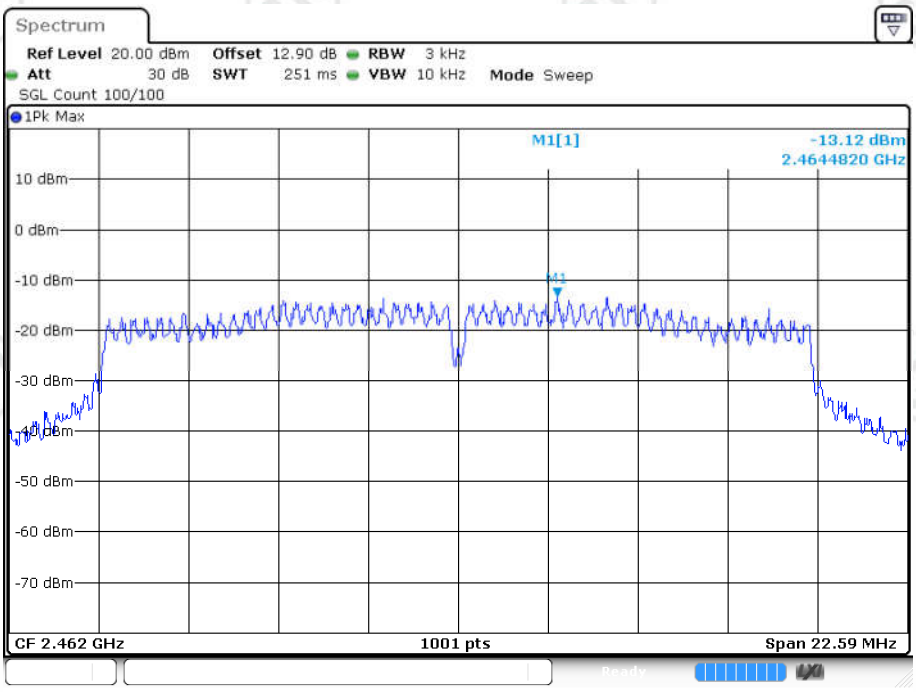

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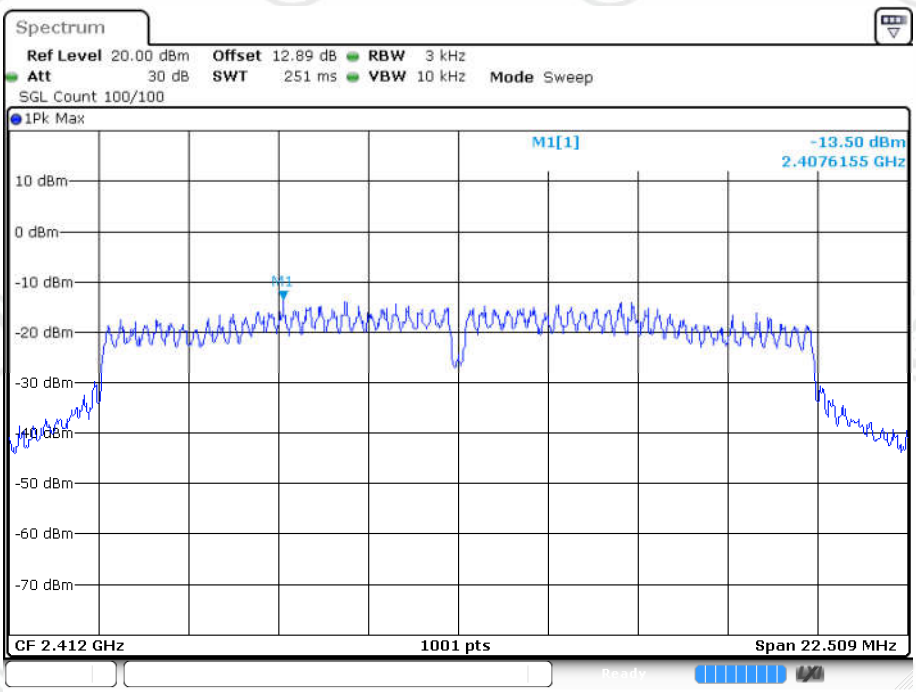

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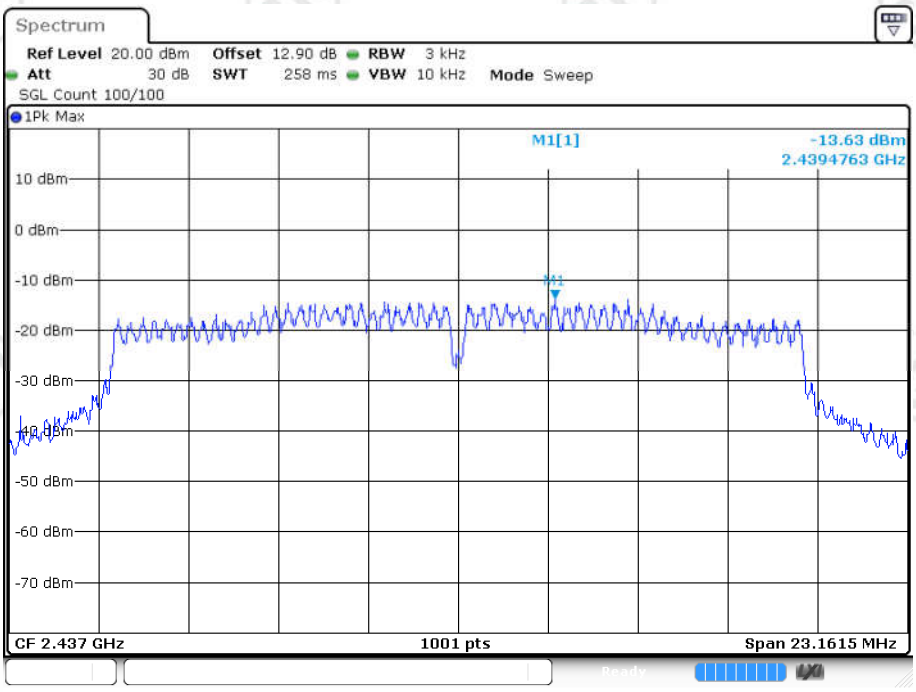

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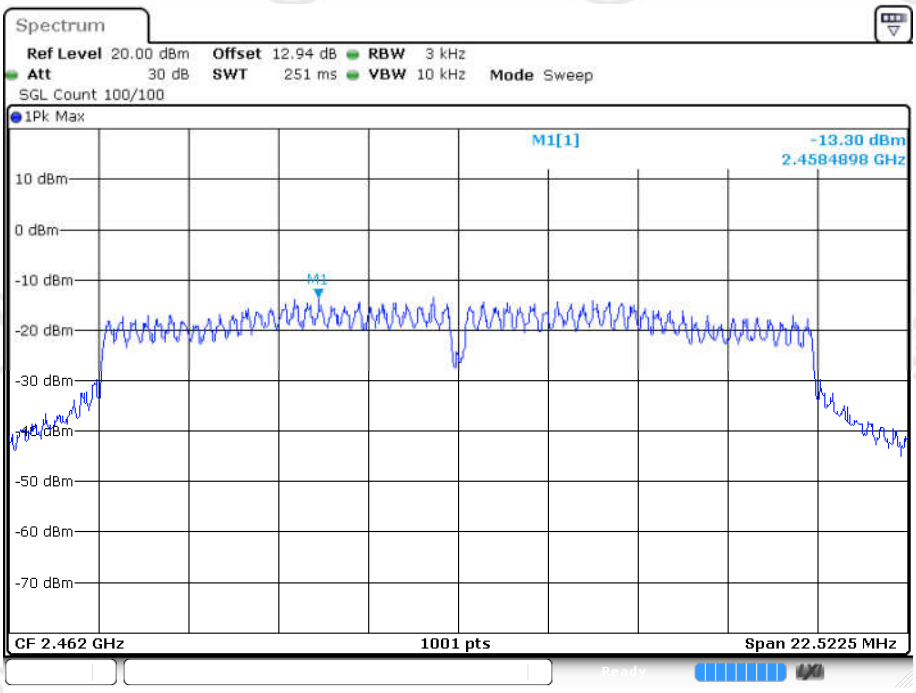

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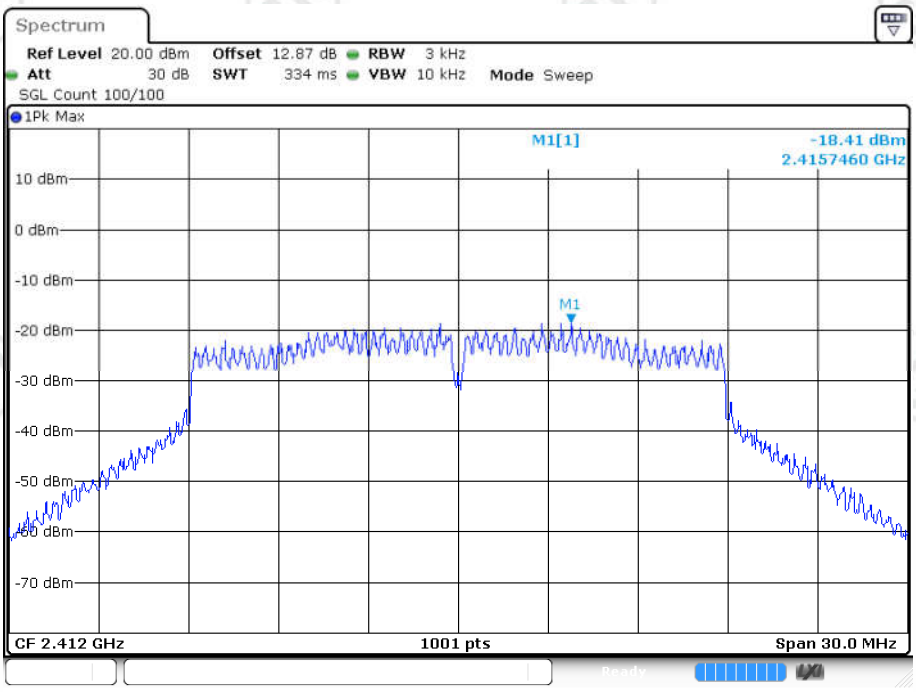

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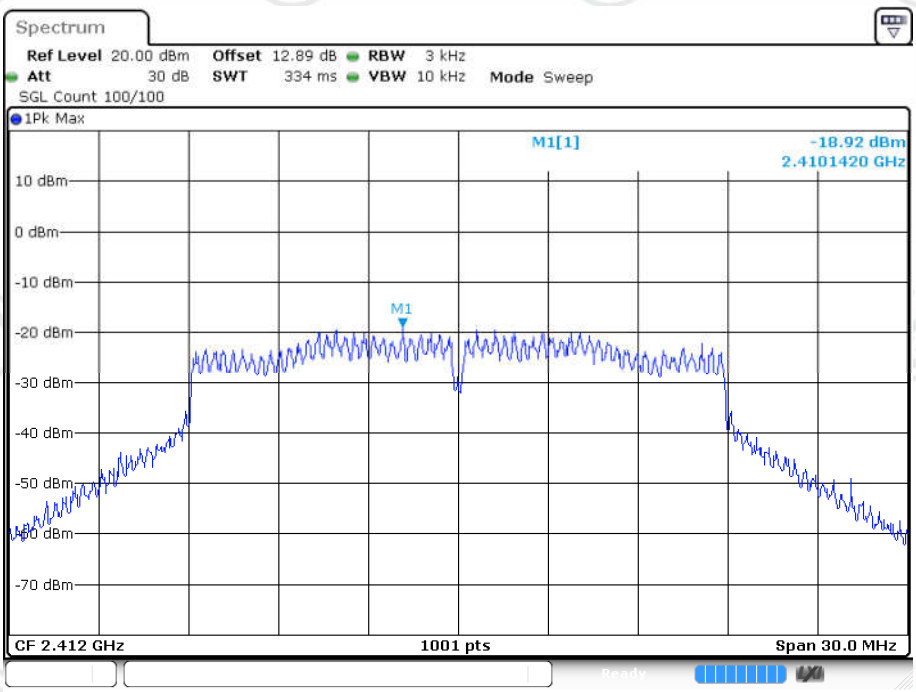

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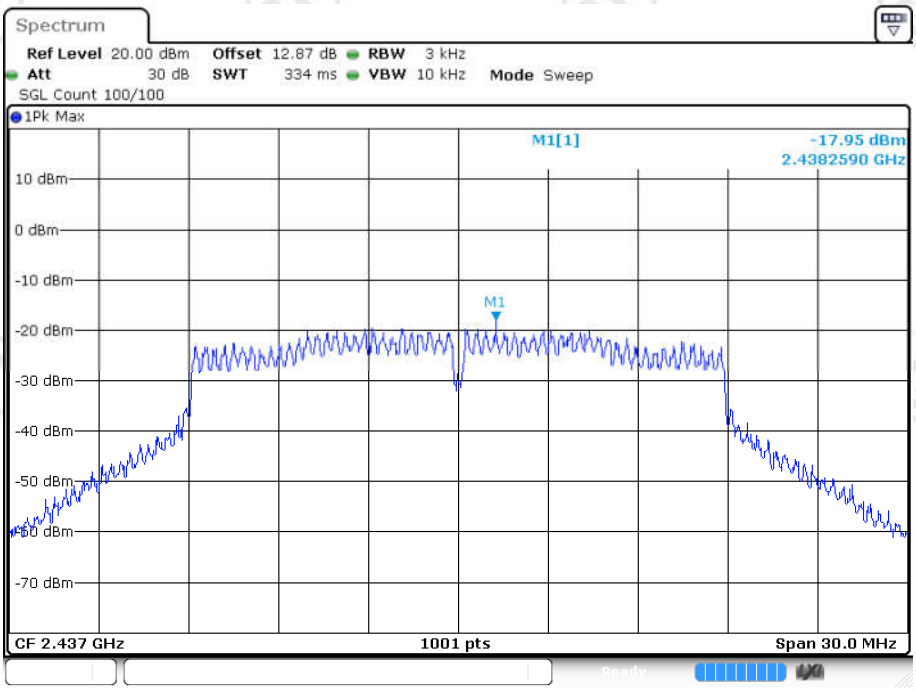

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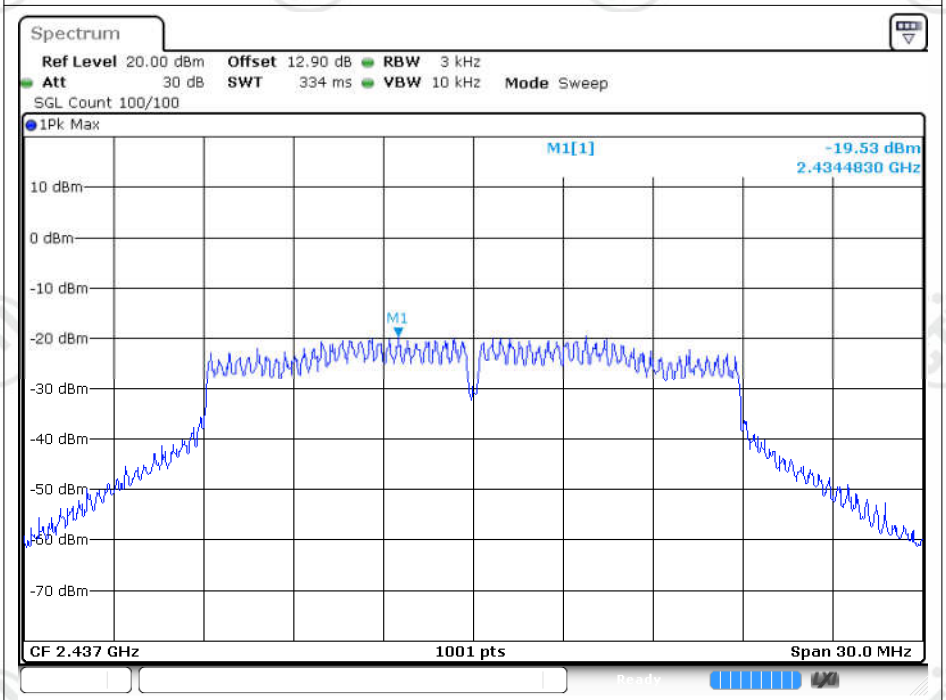

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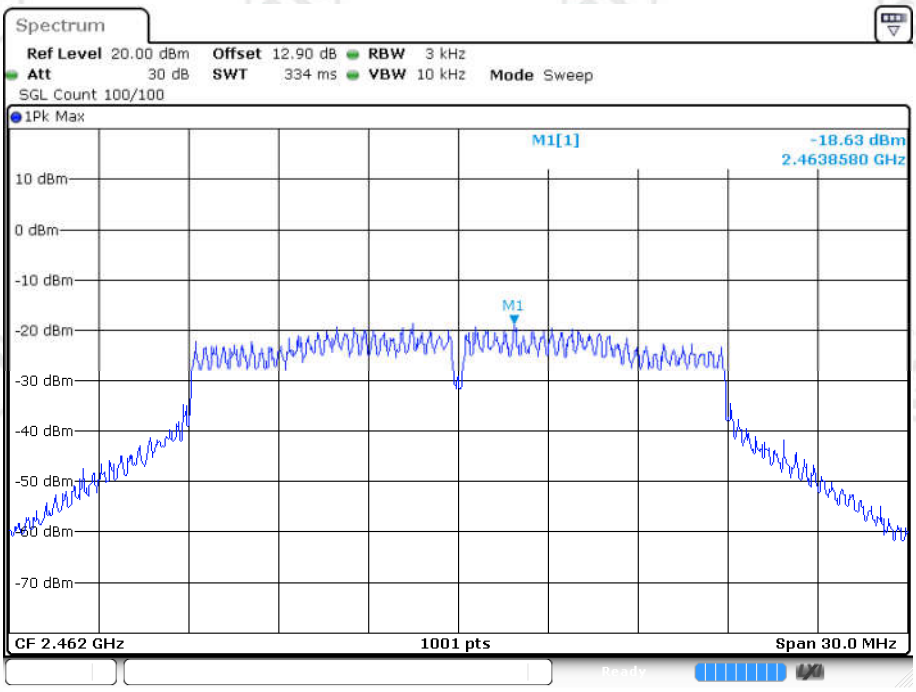

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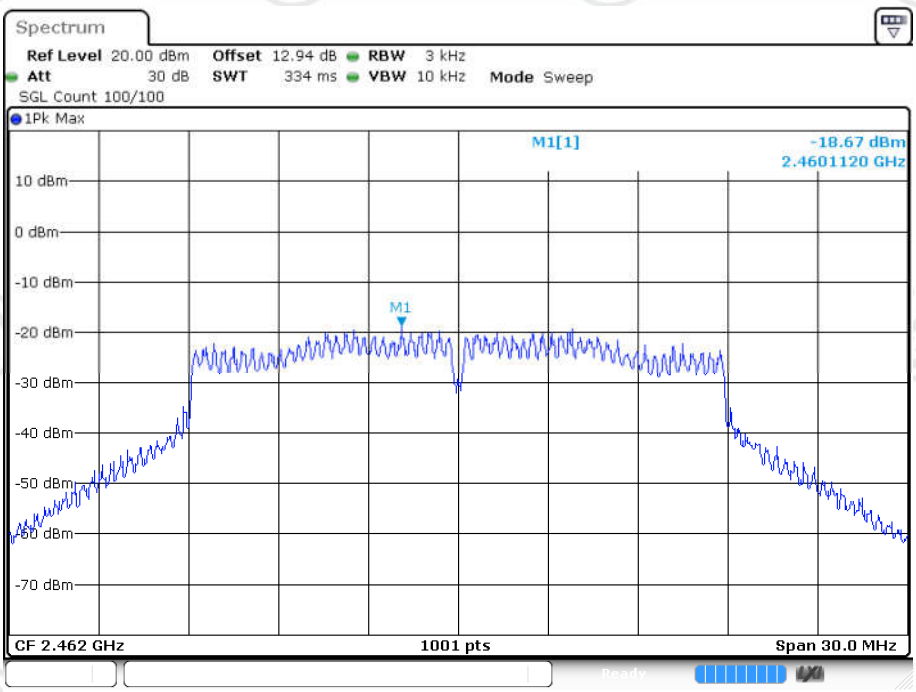
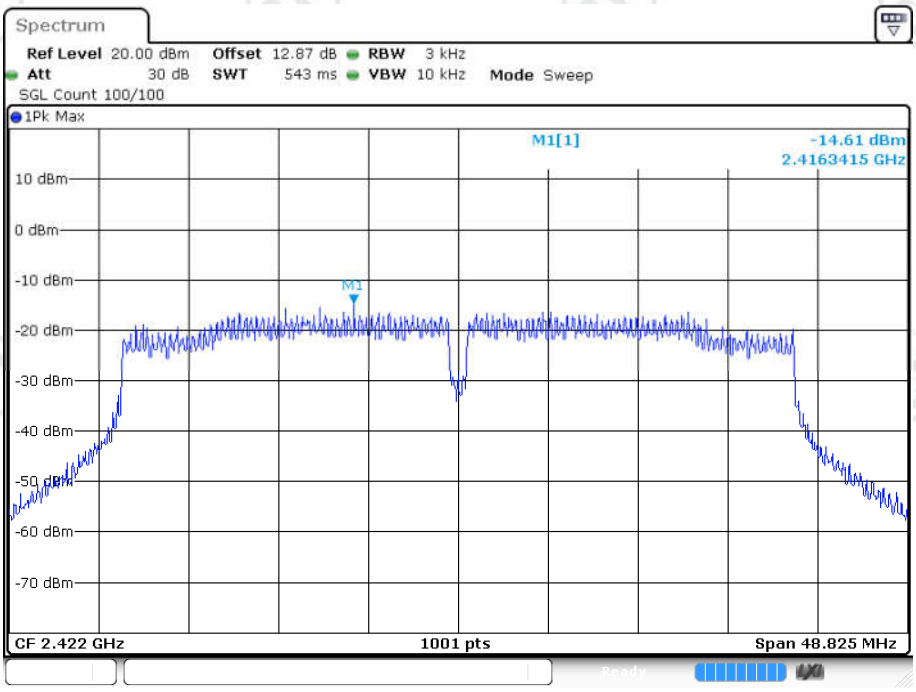


Date: 8.DEC.2023 13:56:12

PSD NVNT n40 2422MHz Ant1



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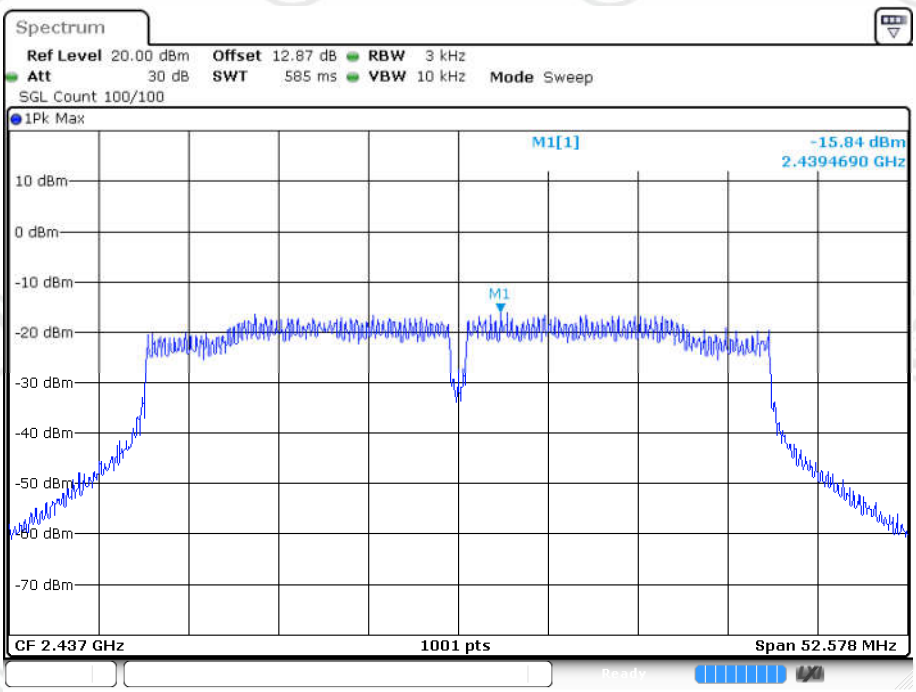
PSD NVNT n40 2437MHz Ant1



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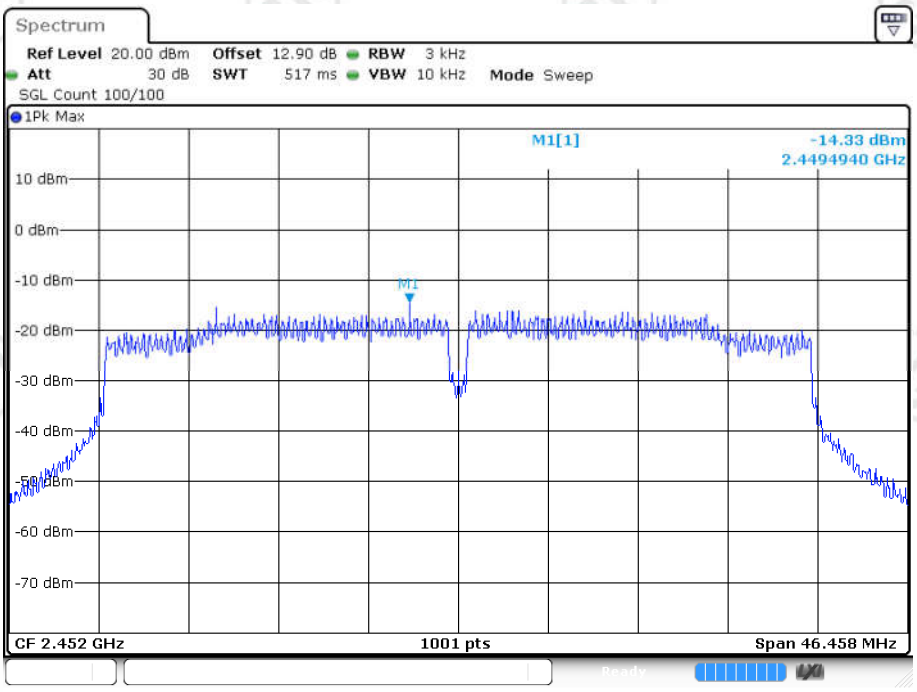
PSD NVNT n40 2452MHz Ant1



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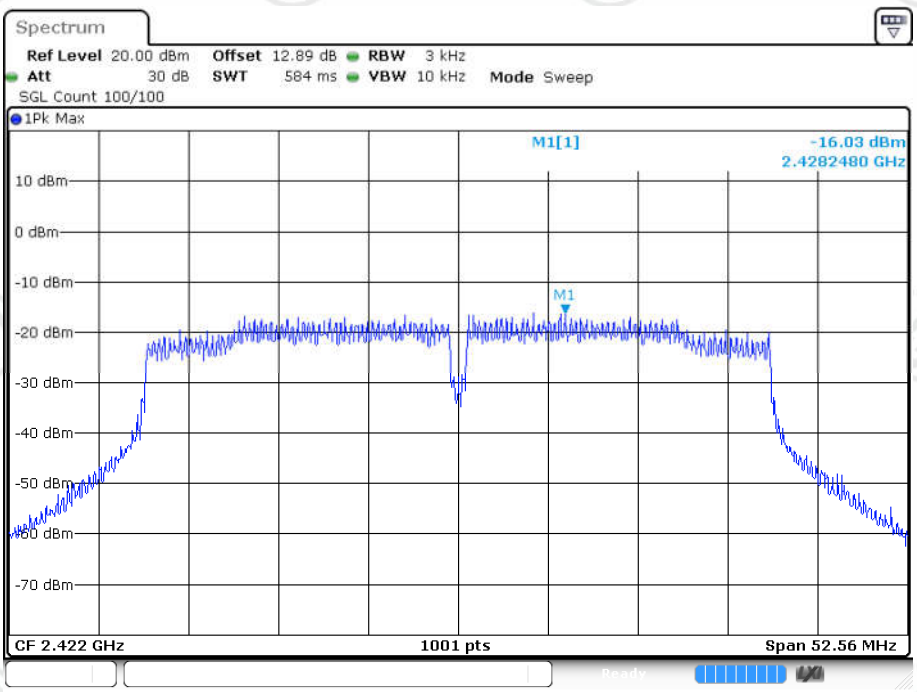

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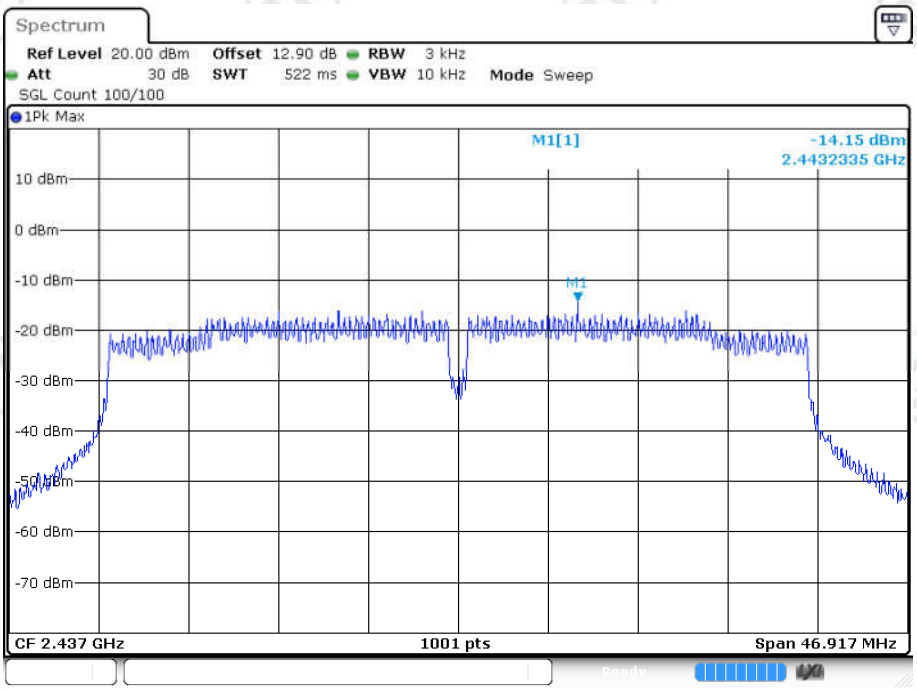

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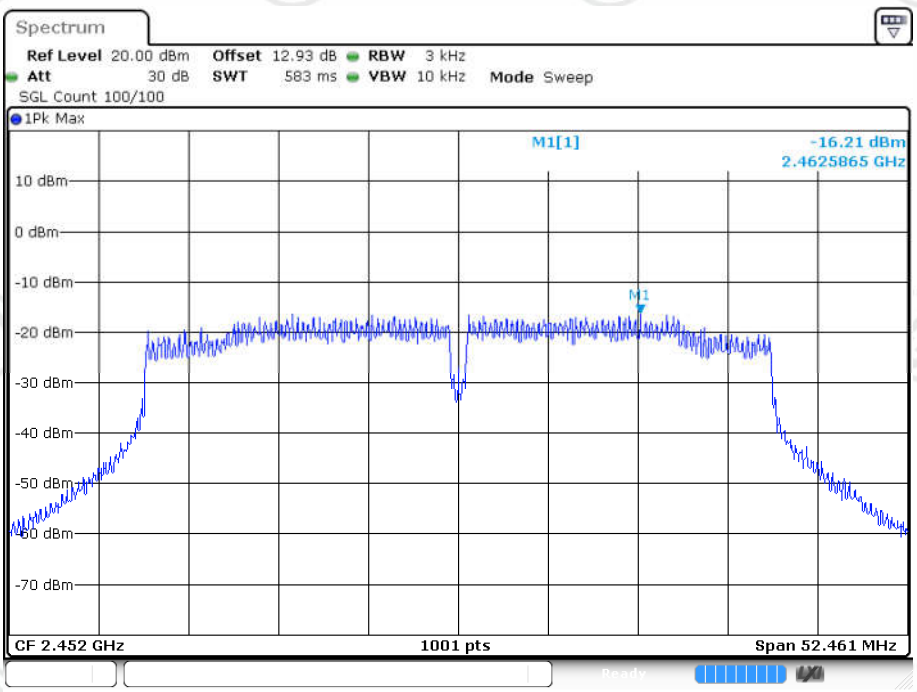
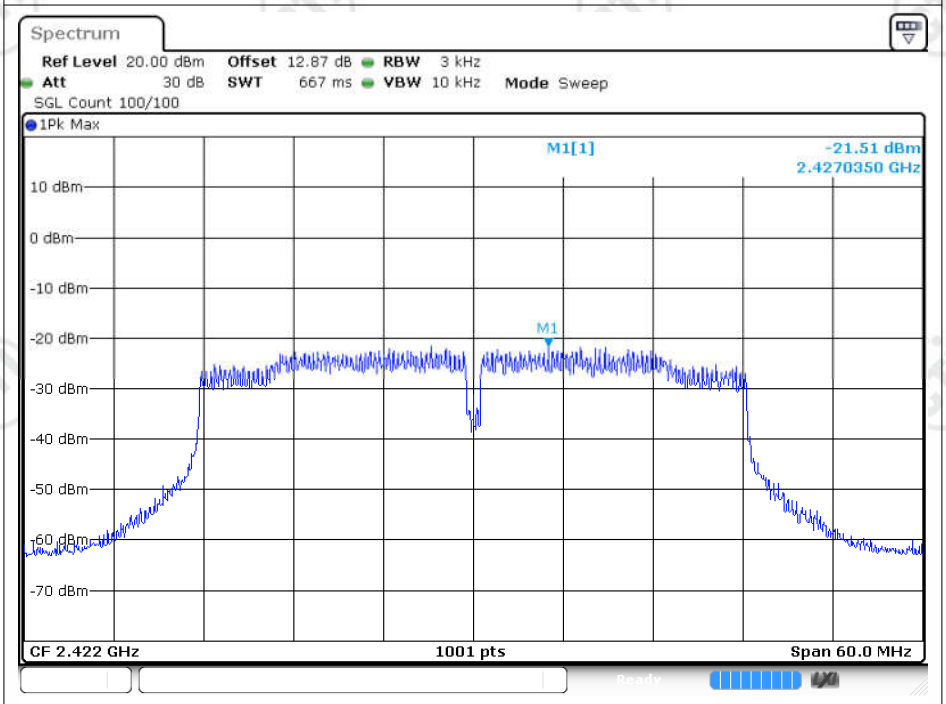


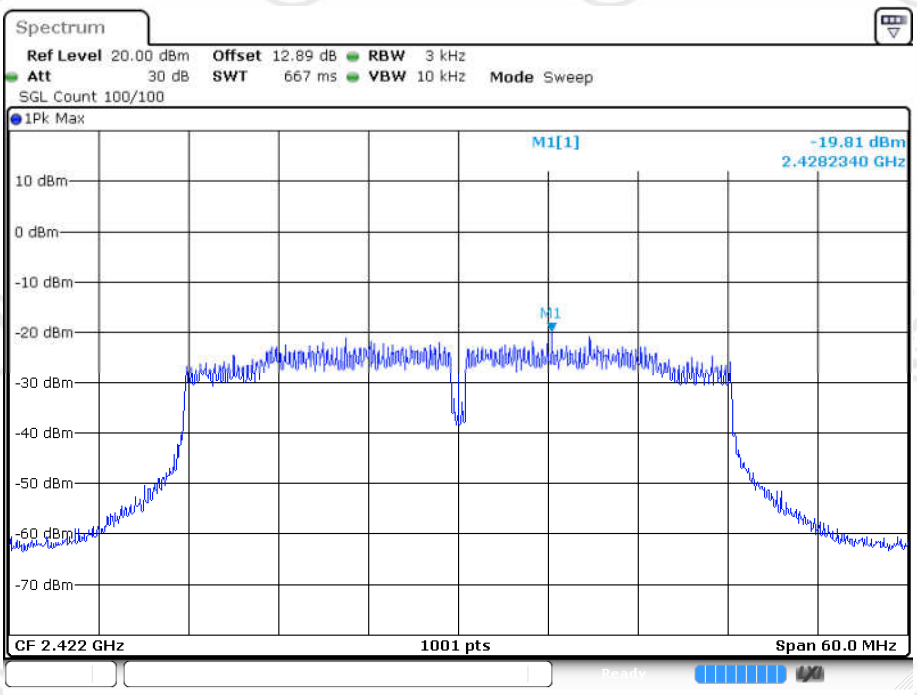
Date: 8.DEC.2023 13:05:23

PSD NVNT n40 2422MHz Ant1



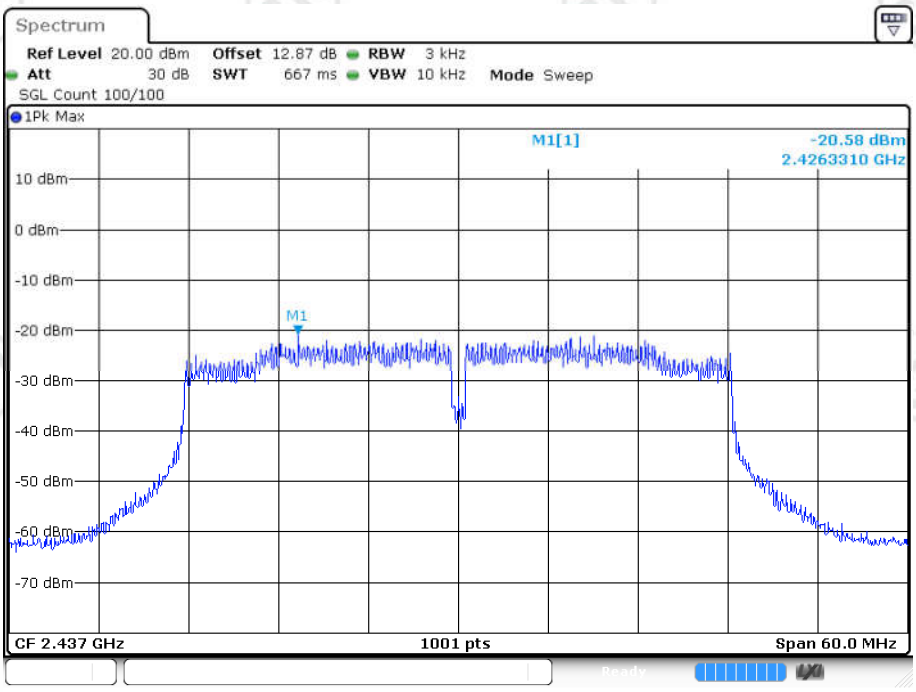
Date: 8.DEC.2023 13:59:11

PSD NVNT n40 2422MHz Ant2



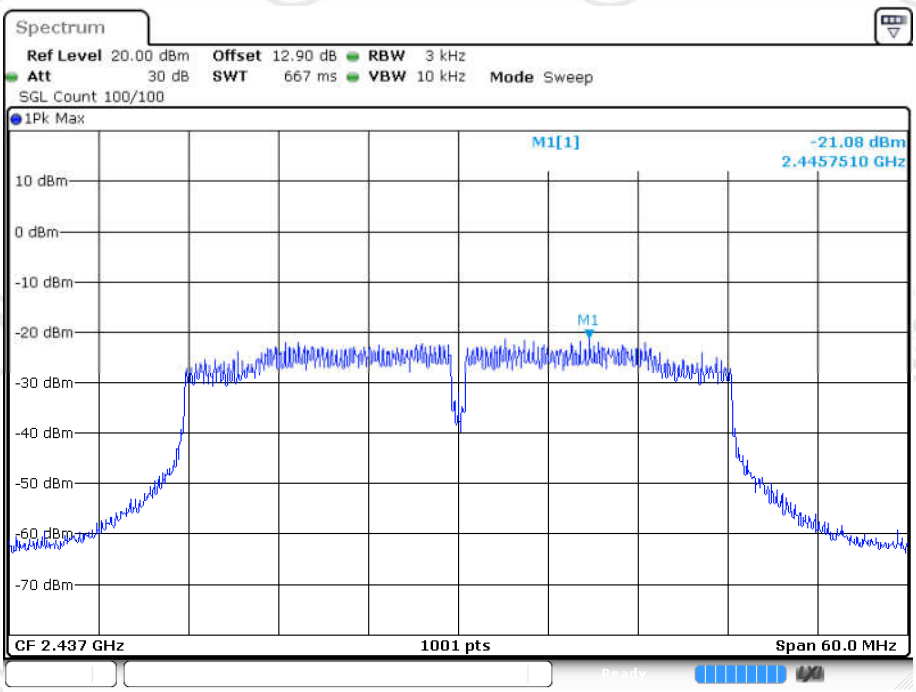
Date: 8.DEC.2023 14:00:34

PSD NVNT n40 2437MHz Ant1



Date: 8.DEC.2023 14:03:58

PSD NVNT n40 2437MHz Ant2



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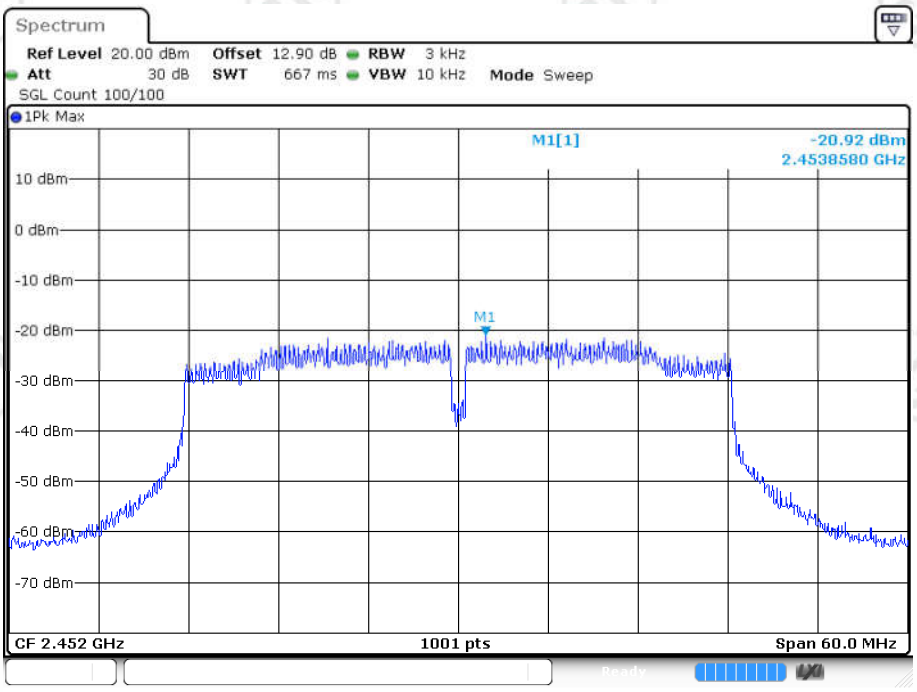
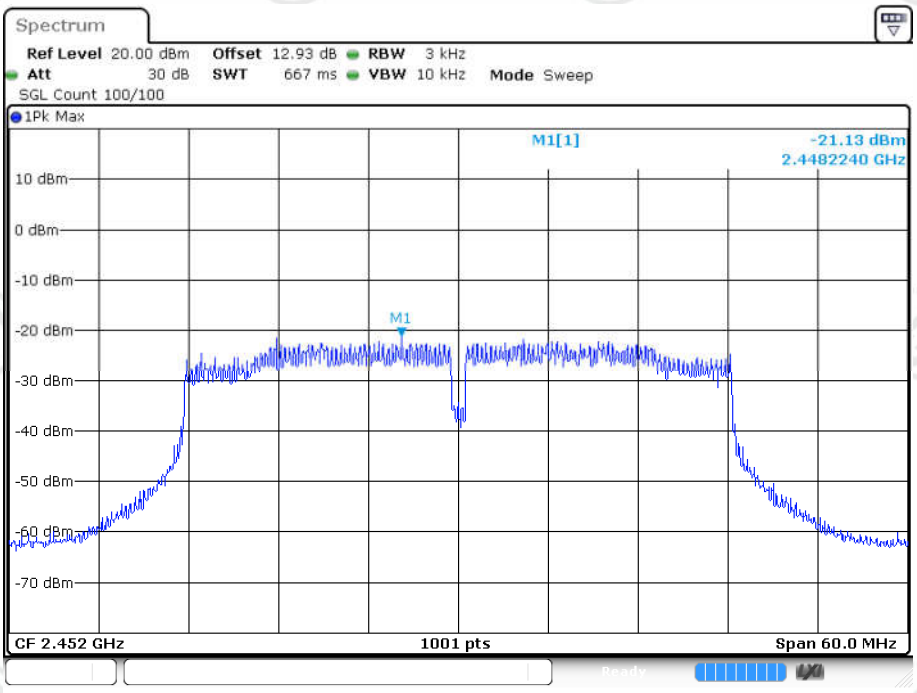
PSD NVNT n40 2452MHz Ant1



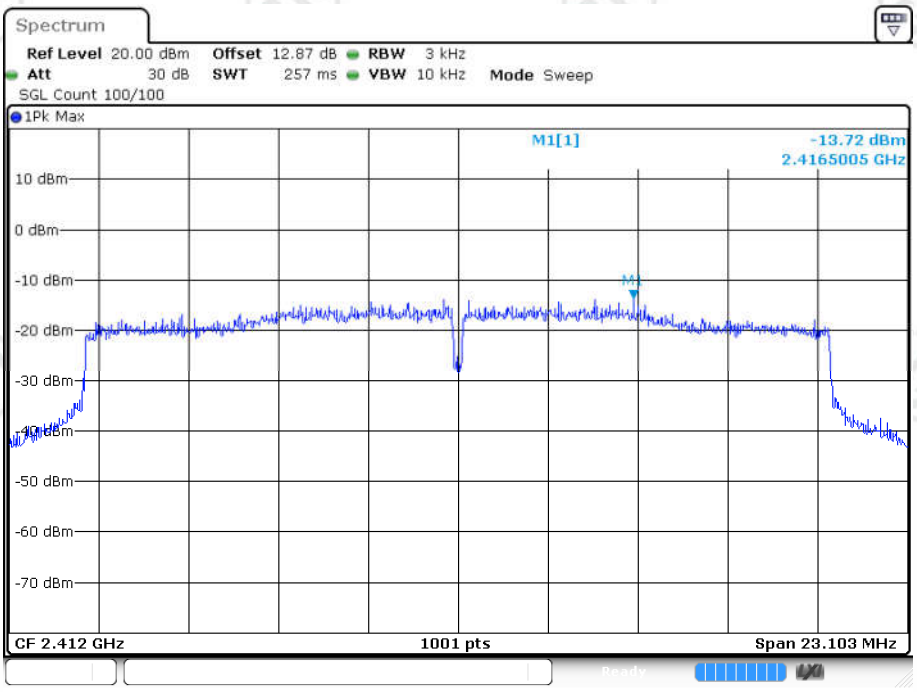
Date: 8.DEC.2023 14:08:29

PSD NVNT n40 2452MHz Ant2



Date: 8.DEC.2023 14:09:52

PSD NVNT ax20 2412MHz Ant1



Date: 8.DEC.2023 10:58:25

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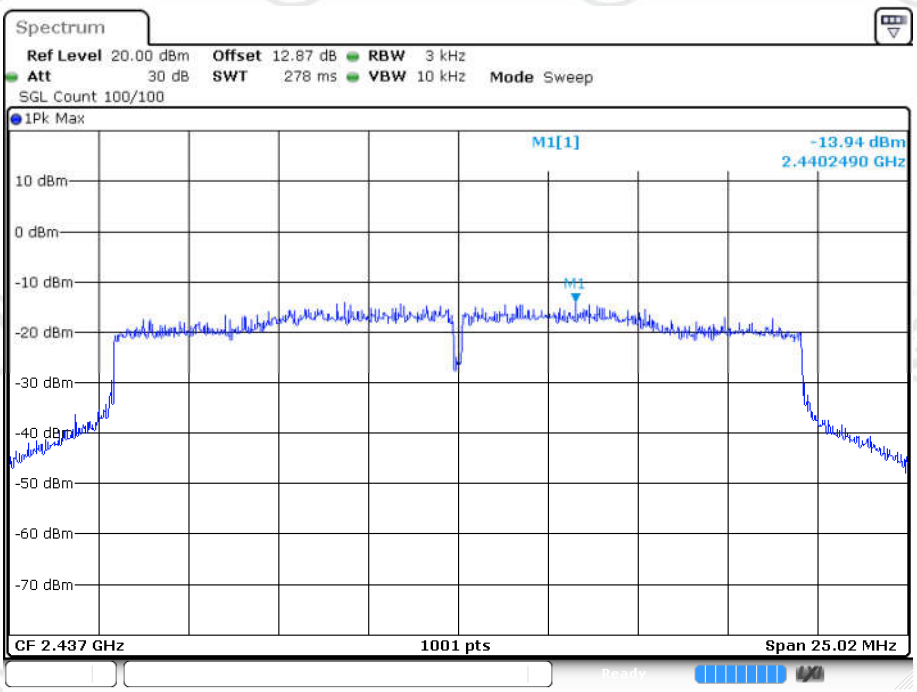
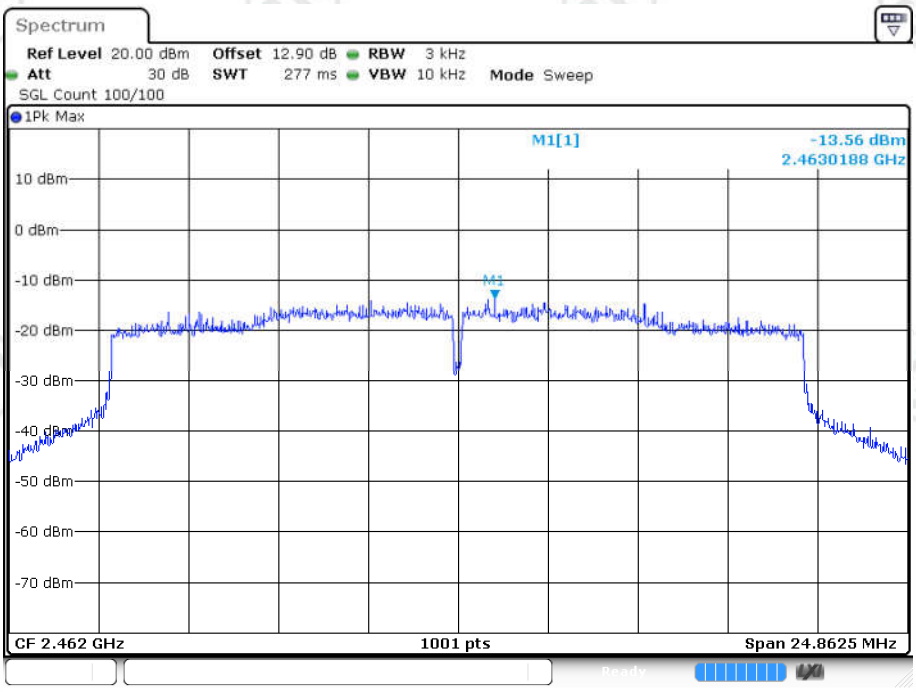


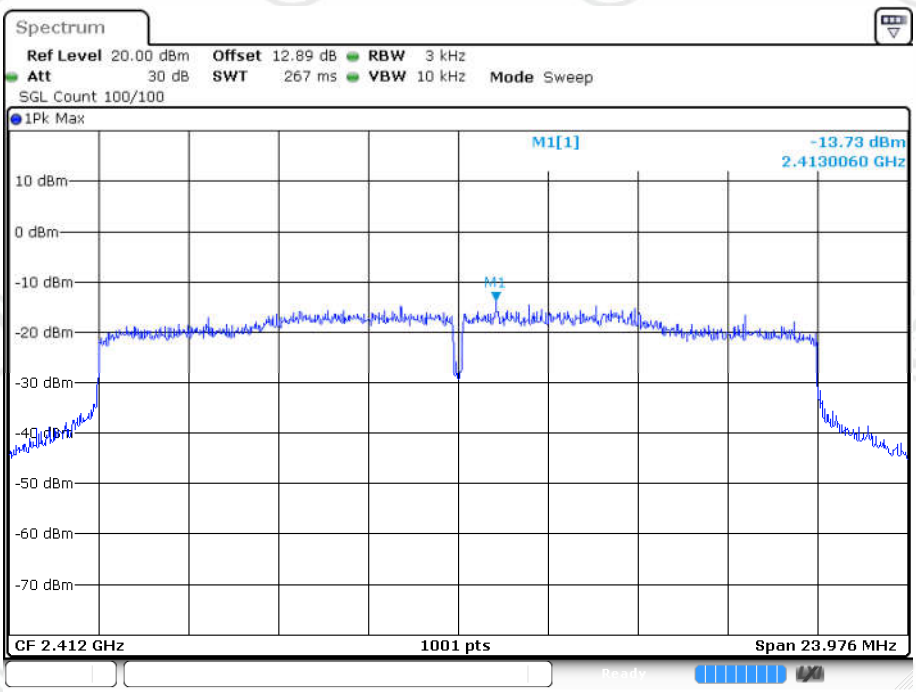
Date: 8.DEC.2023 11:00:20

PSD NVNT ax20 2462MHz Ant1



Date: 8.DEC.2023 11:01:52

PSD NVNT ax20 2412MHz Ant2



Date: 8.DEC.2023 13:07:02

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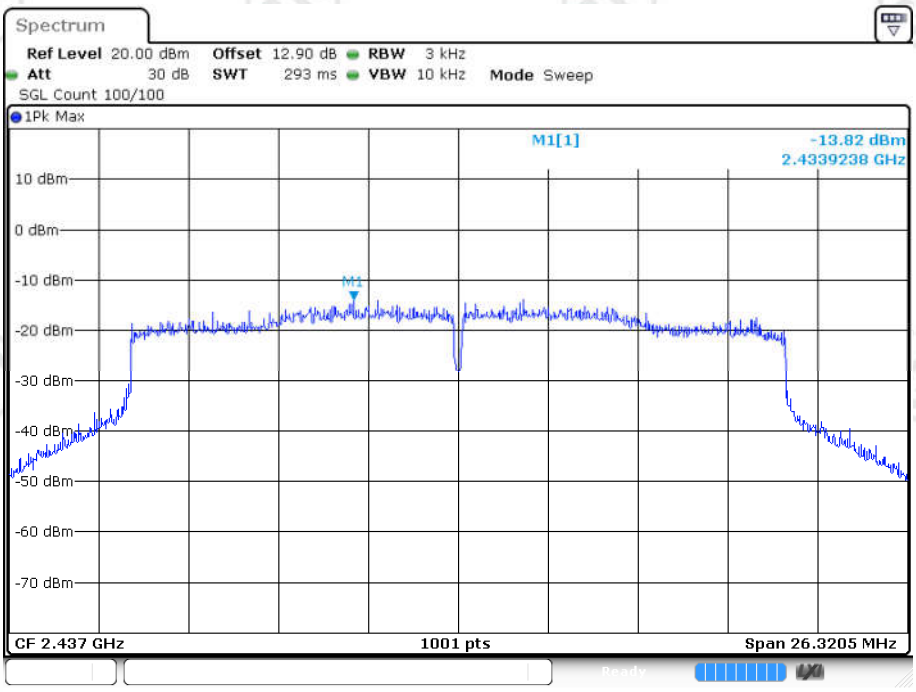
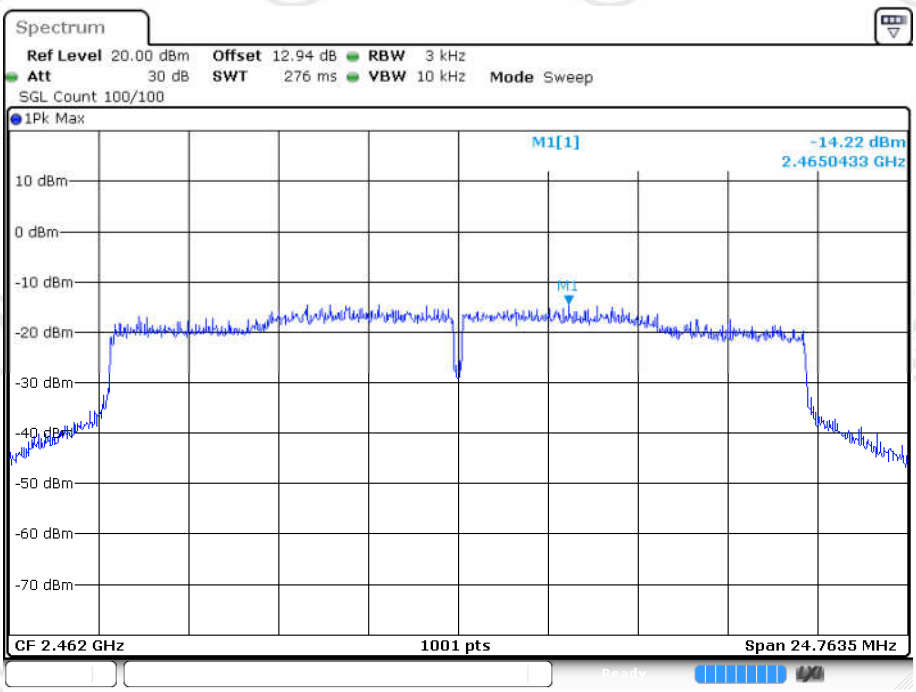


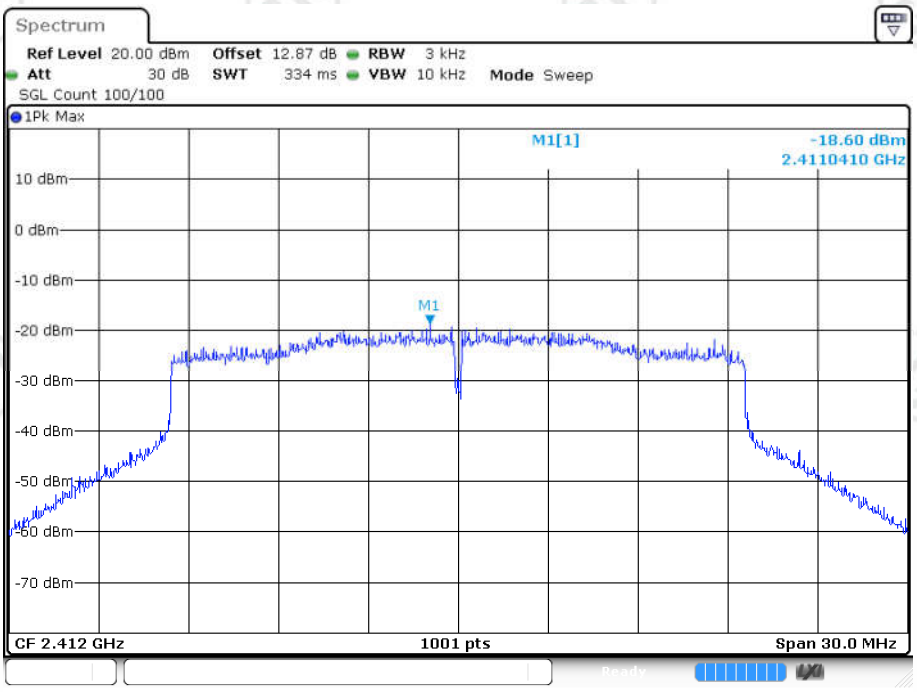
Date: 8.DEC.2023 13:12:58

PSD NVNT ax20 2462MHz Ant2



Date: 8.DEC.2023 13:14:44

PSD NVNT ax20 2412MHz Ant1



Date: 8.DEC.2023 14:11:19

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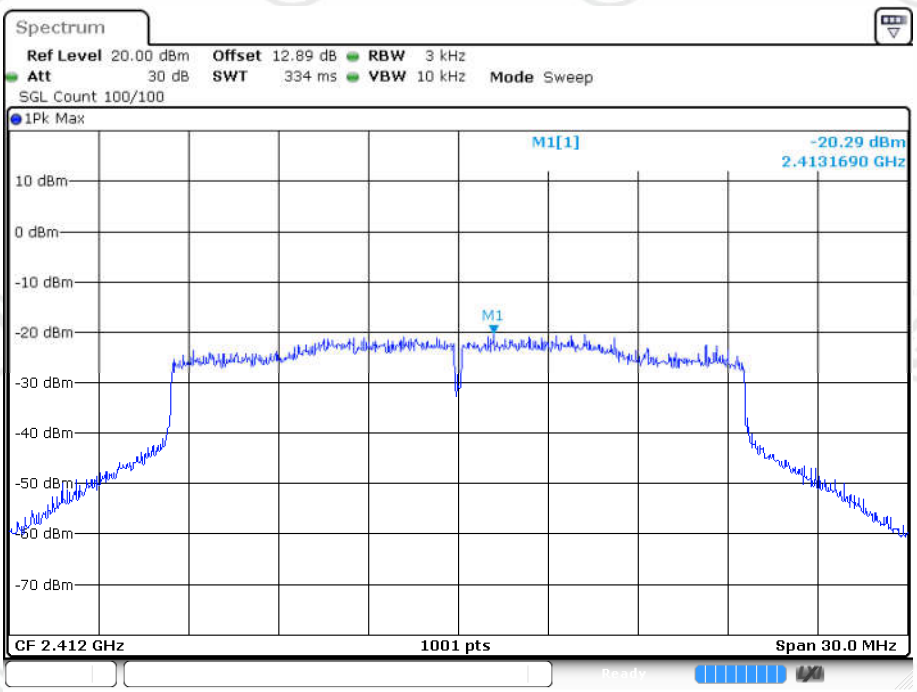

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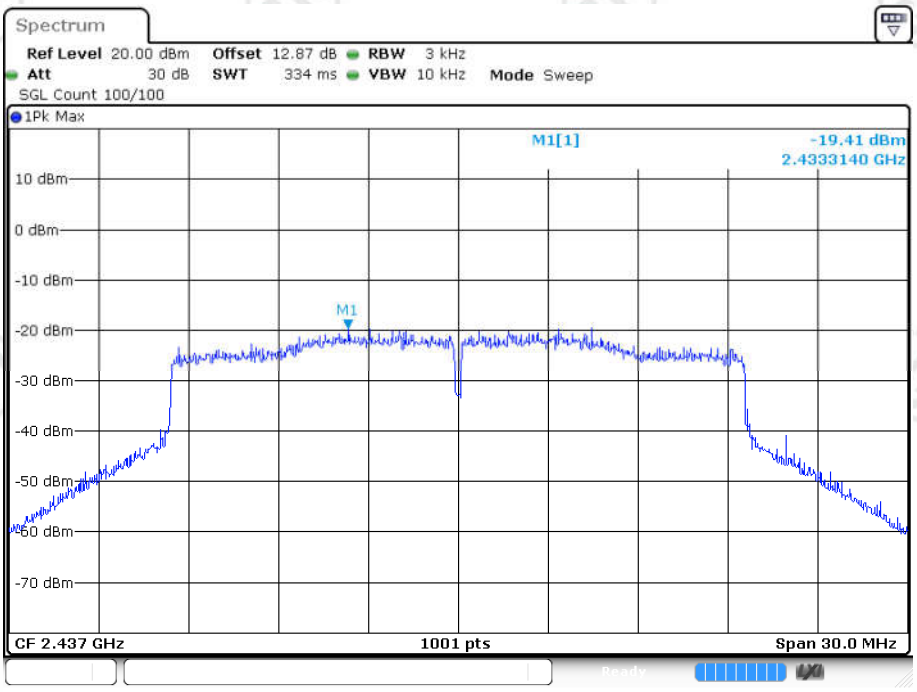
PSD NVNT ax20 2437MHz Ant1



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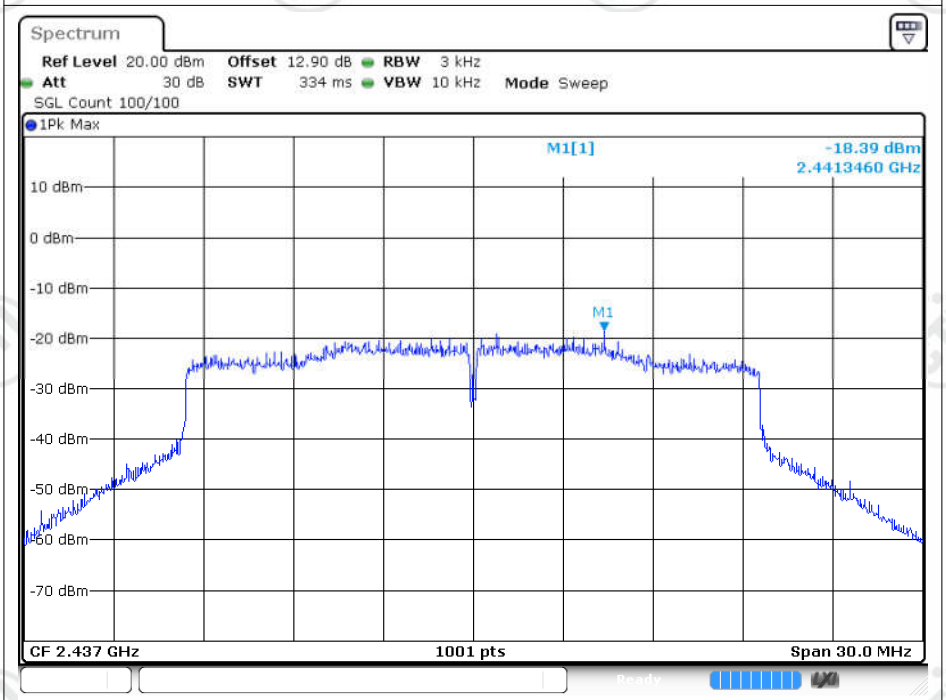

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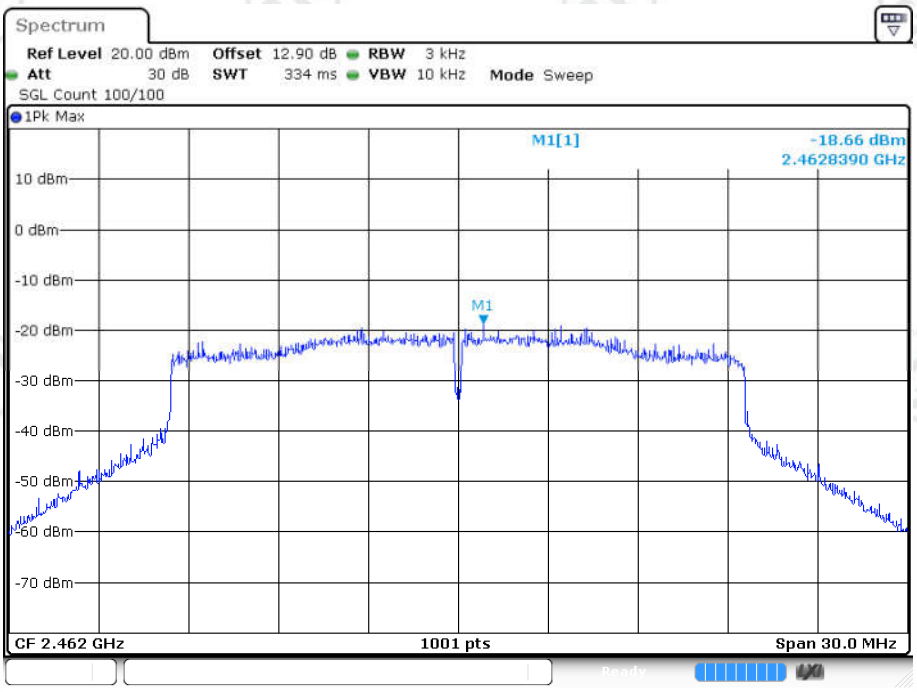
PSD NVNT ax20 2462MHz Ant1



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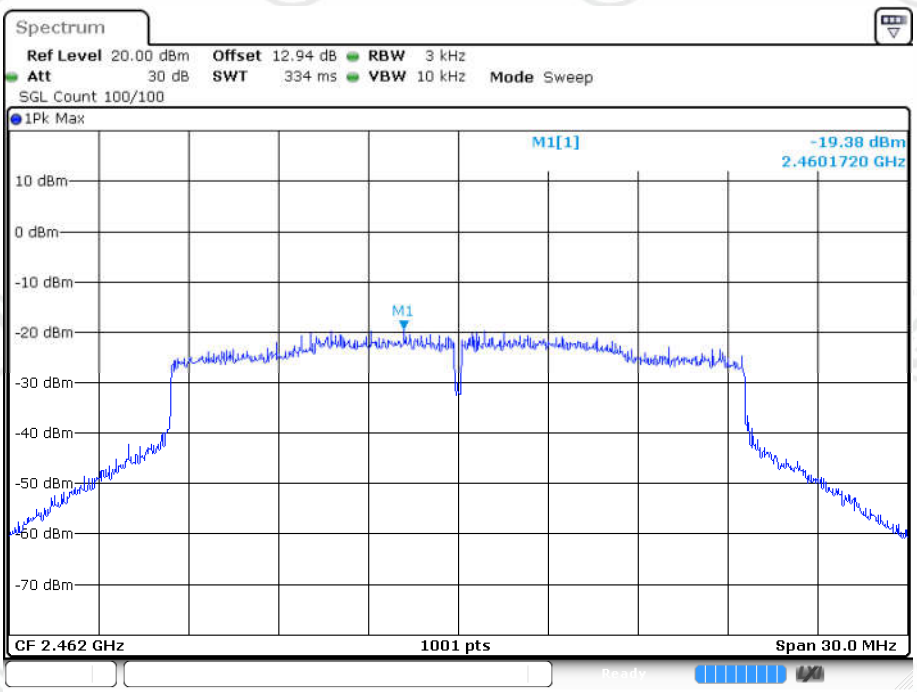
PSD NVNT ax20 2462MHz Ant2



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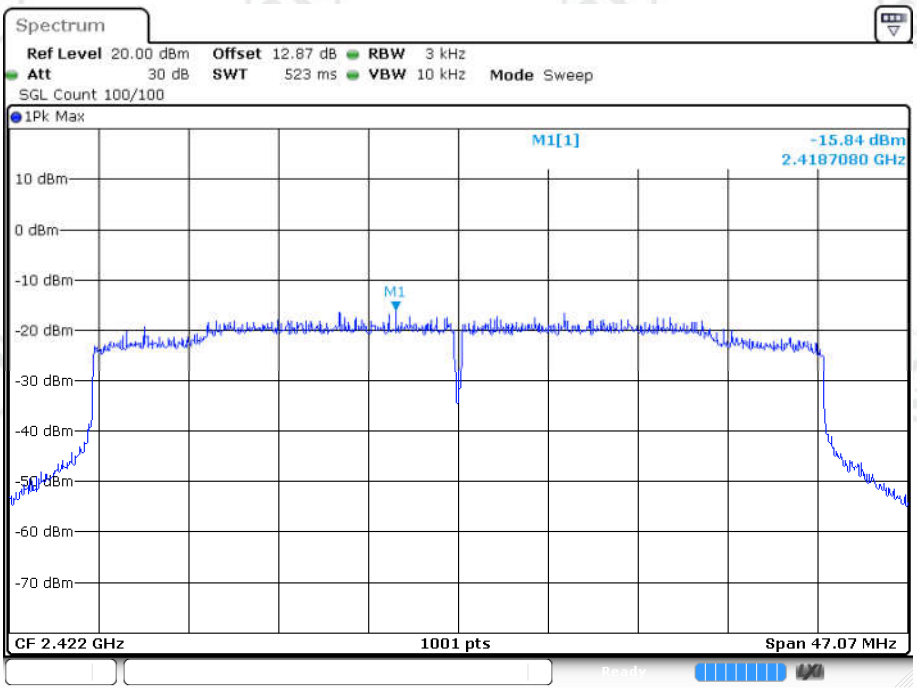
PSD NVNT ax40 2422MHz Ant1



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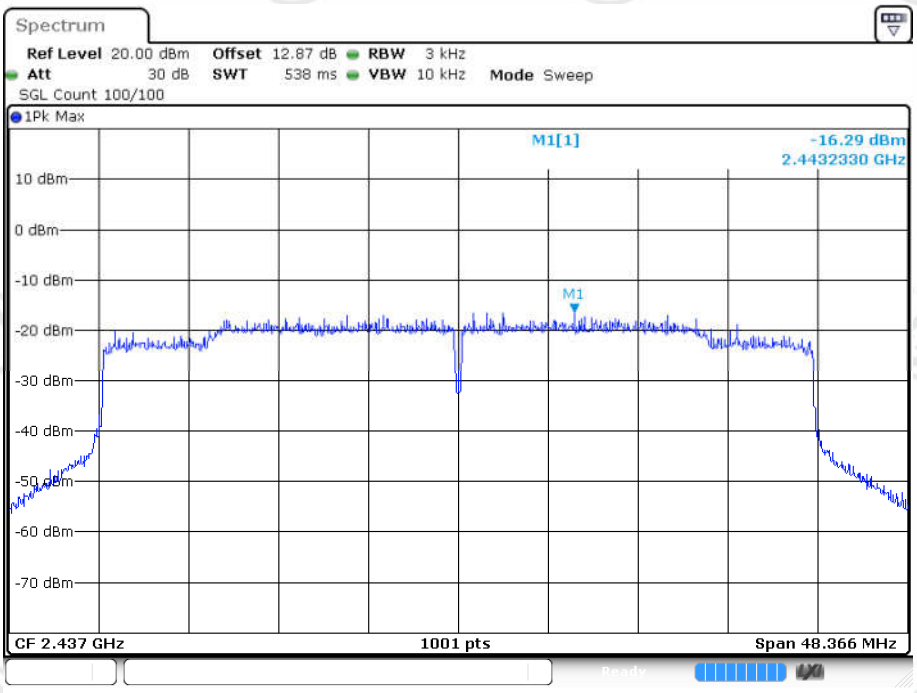
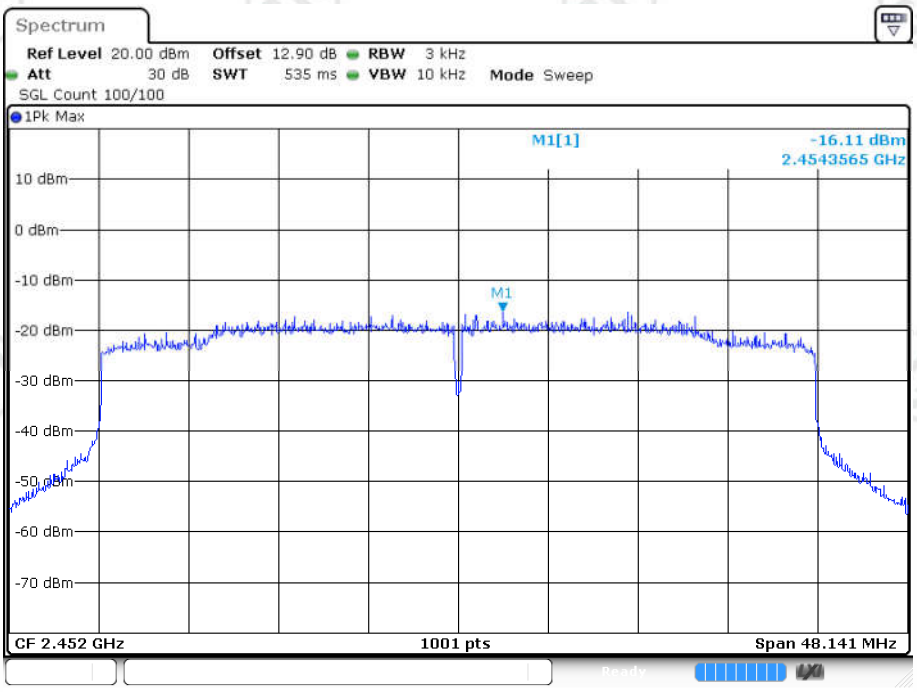
PSD NVNT ax40 2437MHz Ant1



Date: 8.DEC.2023 11:06:38

PSD NVNT ax40 2452MHz Ant1



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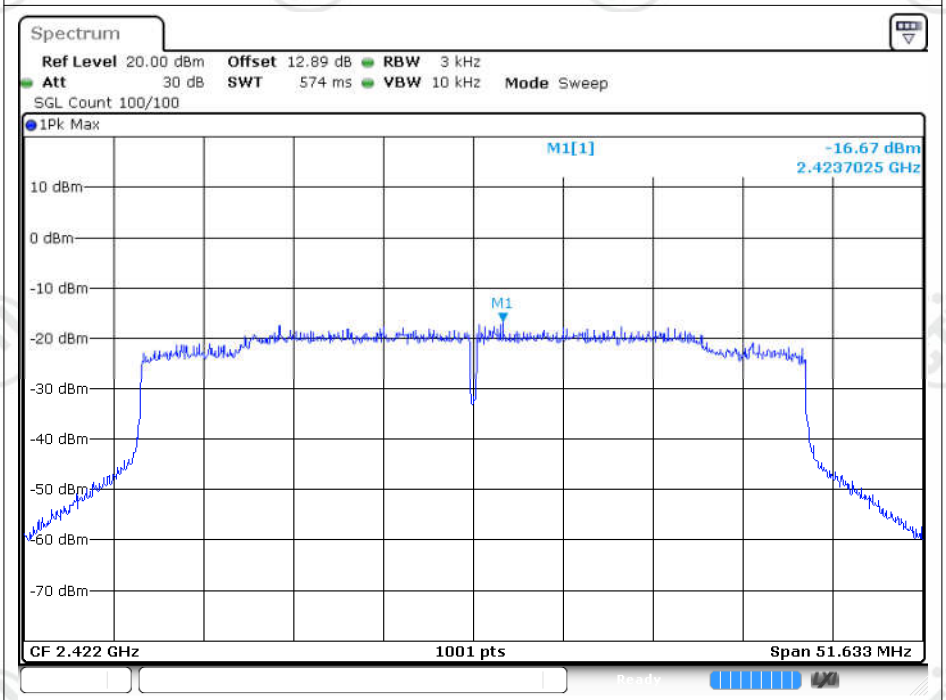
PSD NVNT ax40 2422MHz Ant2



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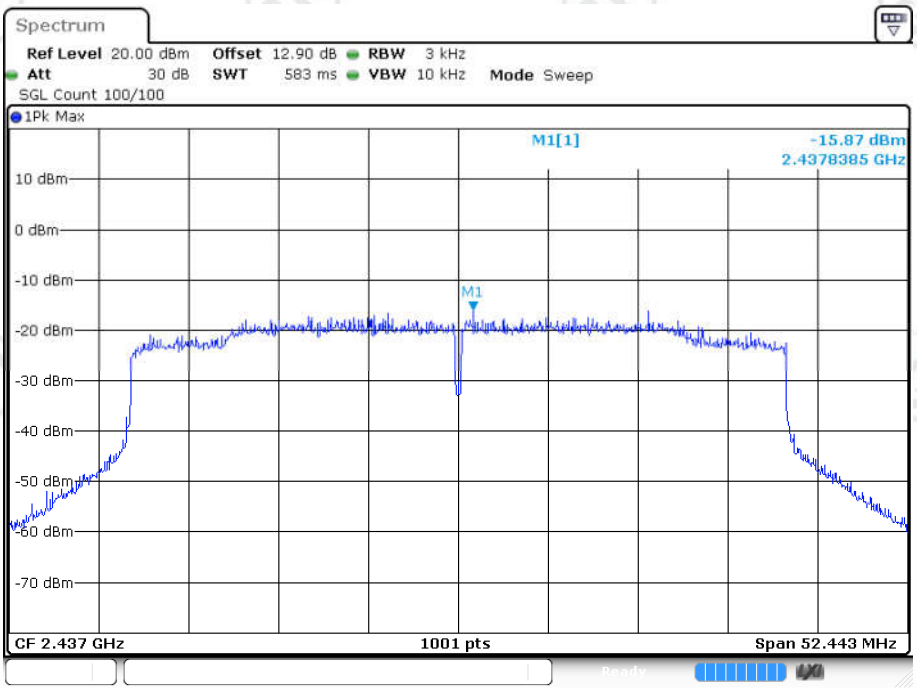

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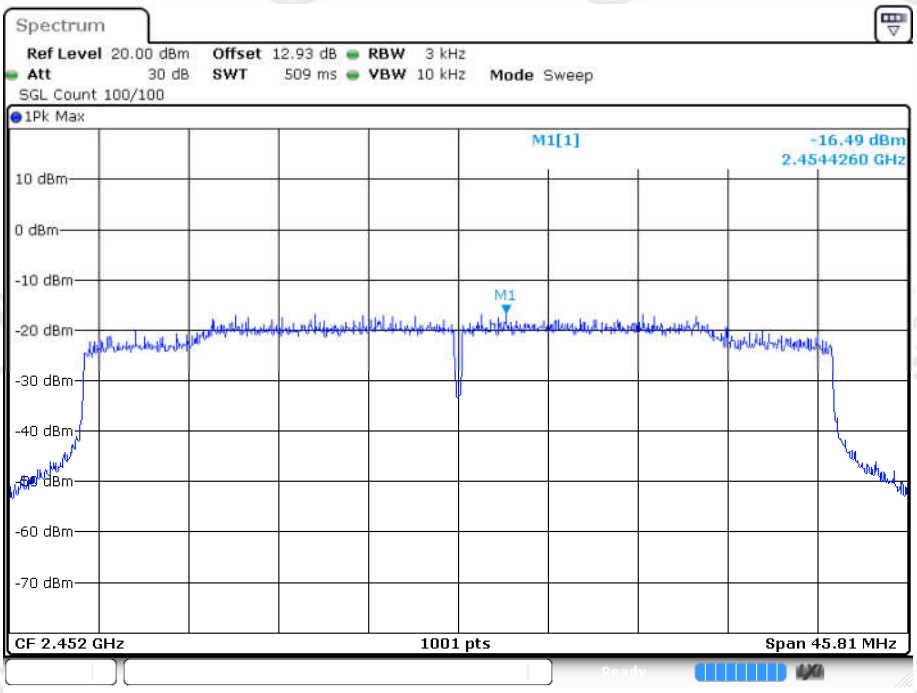
PSD NVNT ax40 2452MHz Ant2



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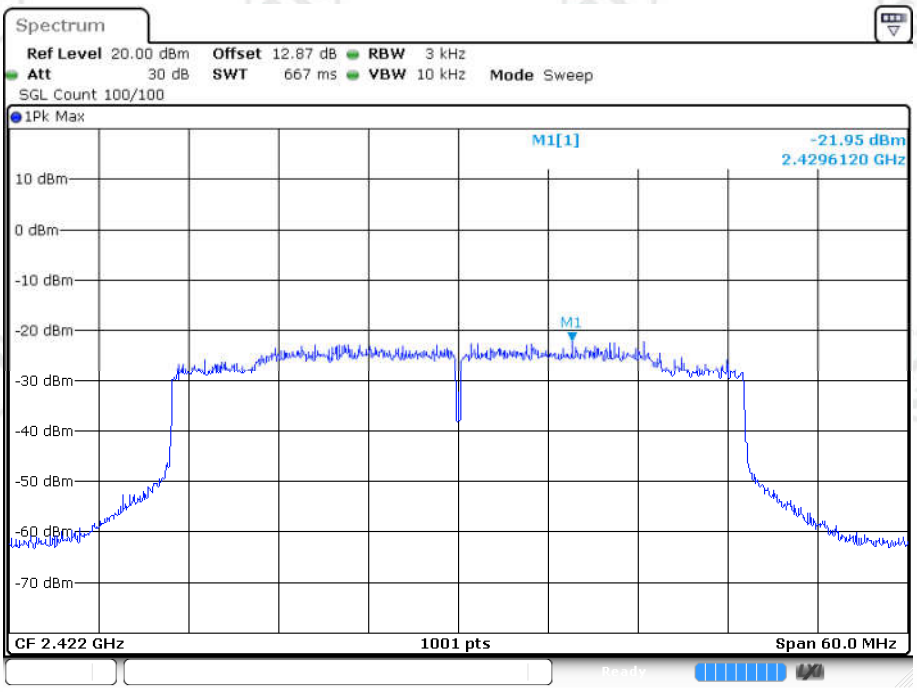
PSD NVNT ax40 2422MHz Ant1



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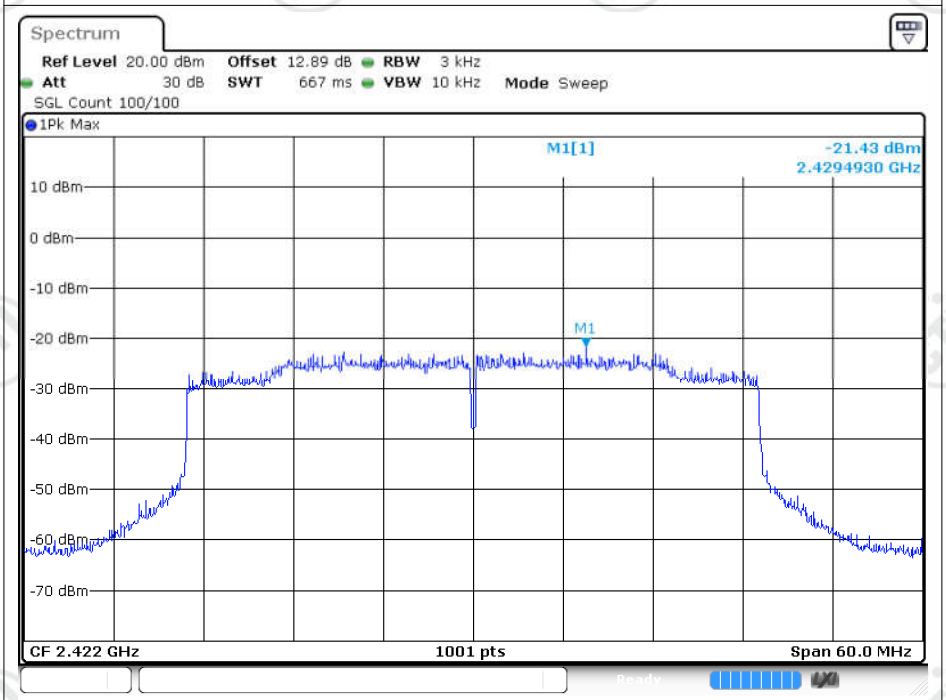
PSD NVNT ax40 2422MHz Ant2



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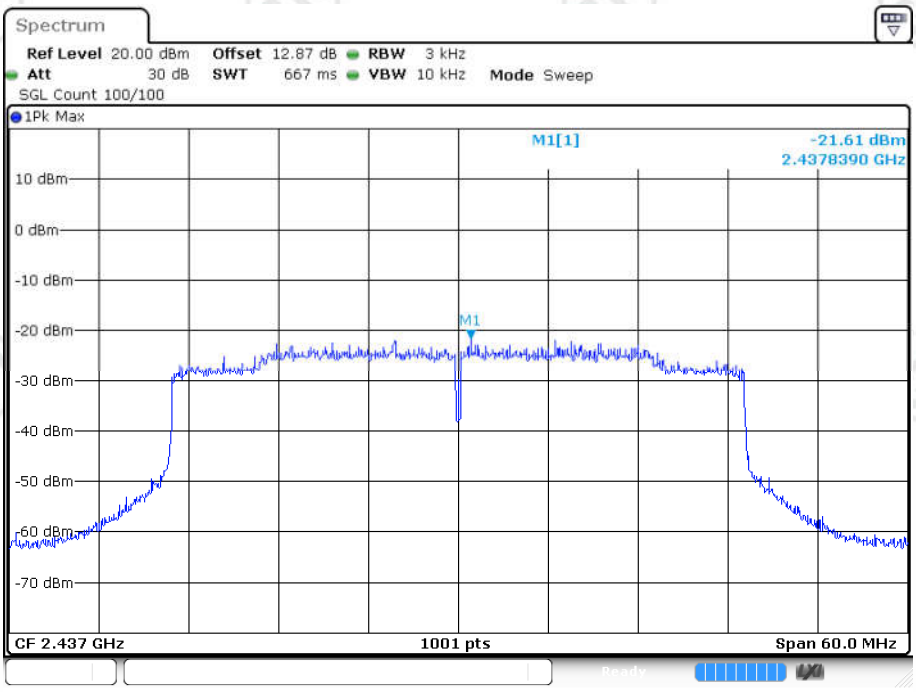
PSD NVNT ax40 2437MHz Ant1



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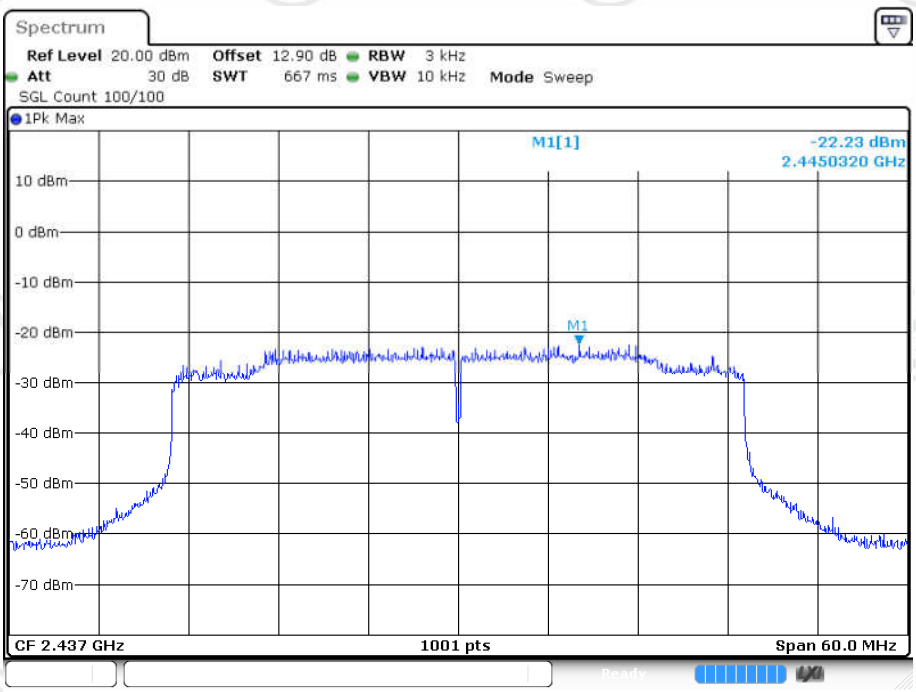

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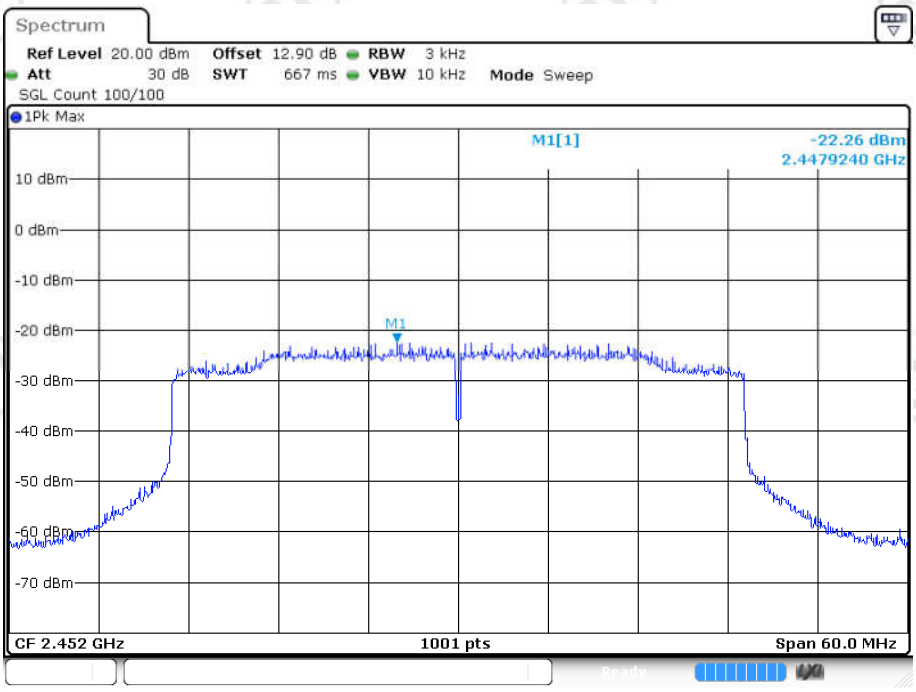
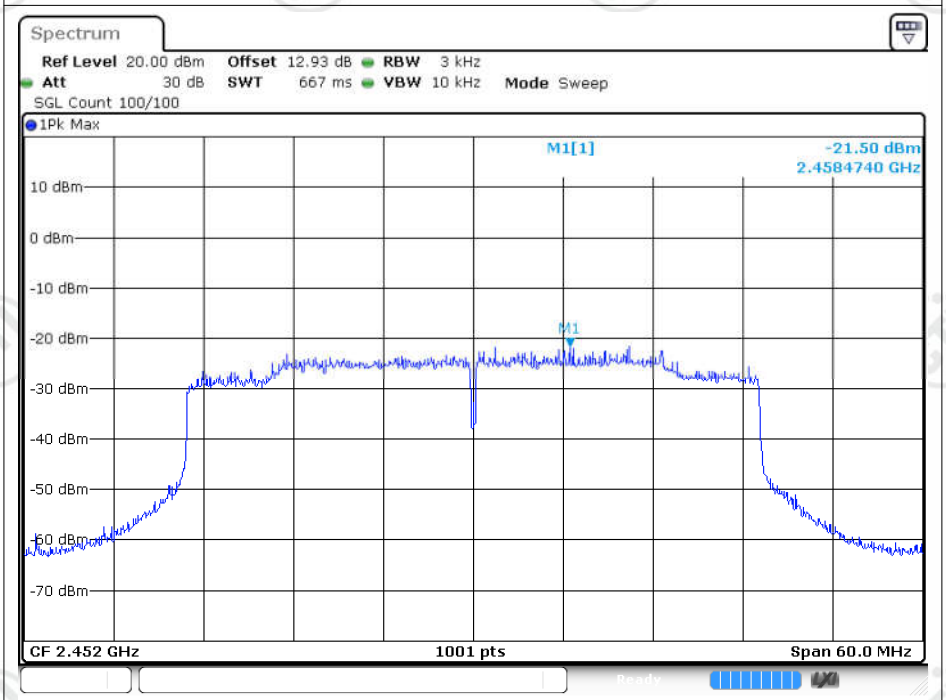
PSD NVNT ax40 2452MHz Ant1



Date: 8.DEC.2023 14:24:46

PSD NVNT ax40 2452MHz Ant2



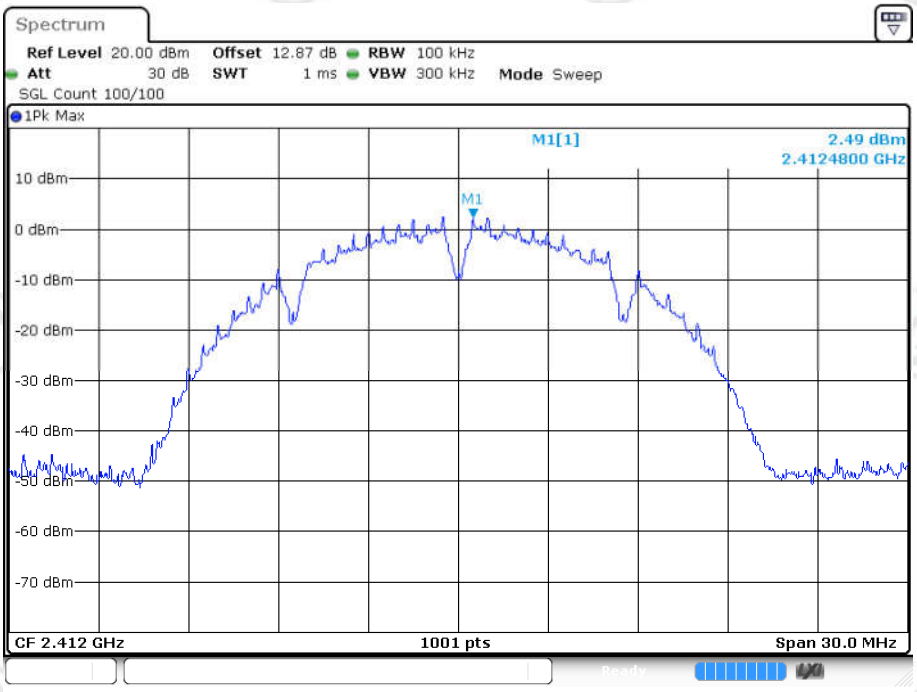
Date: 8.DEC.2023 14:26:09

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.06	-20	Pass
NVNT	b	2462	Ant1	-48.22	-20	Pass
NVNT	b	2412	Ant2	-46.7	-20	Pass
NVNT	b	2462	Ant2	-48.27	-20	Pass
NVNT	g	2412	Ant1	-31.11	-20	Pass
NVNT	g	2462	Ant1	-46.7	-20	Pass
NVNT	g	2412	Ant2	-31.68	-20	Pass
NVNT	g	2462	Ant2	-44.38	-20	Pass
NVNT	n20	2412	Ant1	-29.76	-20	Pass
NVNT	n20	2462	Ant1	-46.2	-20	Pass
NVNT	n20	2412	Ant2	-30.86	-20	Pass
NVNT	n20	2462	Ant2	-44.98	-20	Pass
NVNT	n40	2422	Ant1	-33.53	-20	Pass
NVNT	n40	2452	Ant1	-41.39	-20	Pass
NVNT	n40	2422	Ant2	-33.37	-20	Pass
NVNT	n40	2452	Ant2	-43.89	-20	Pass
NVNT	ax20	2412	Ant1	-31.13	-20	Pass
NVNT	ax20	2462	Ant1	-45.43	-20	Pass
NVNT	ax20	2412	Ant2	-30.15	-20	Pass
NVNT	ax20	2462	Ant2	-45.79	-20	Pass
NVNT	ax40	2422	Ant1	-32.87	-20	Pass
NVNT	ax40	2452	Ant1	-43.02	-20	Pass
NVNT	ax40	2422	Ant2	-29.43	-20	Pass
NVNT	ax40	2452	Ant2	-42.08	-20	Pass

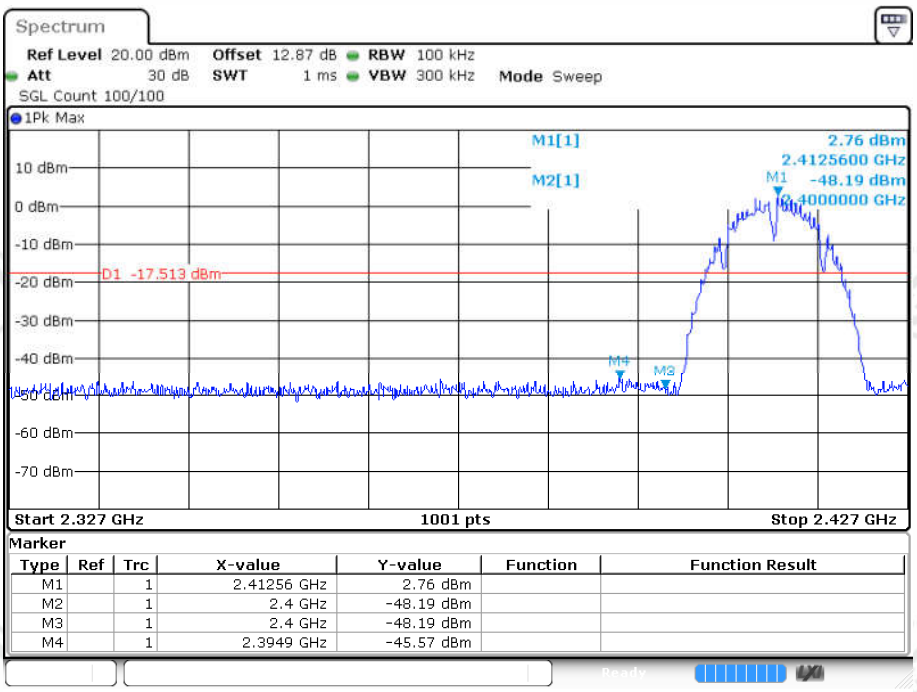
Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Date: 8.DEC.2023 10:22:45

Band Edge NVNT b 2412MHz Ant1 Emission

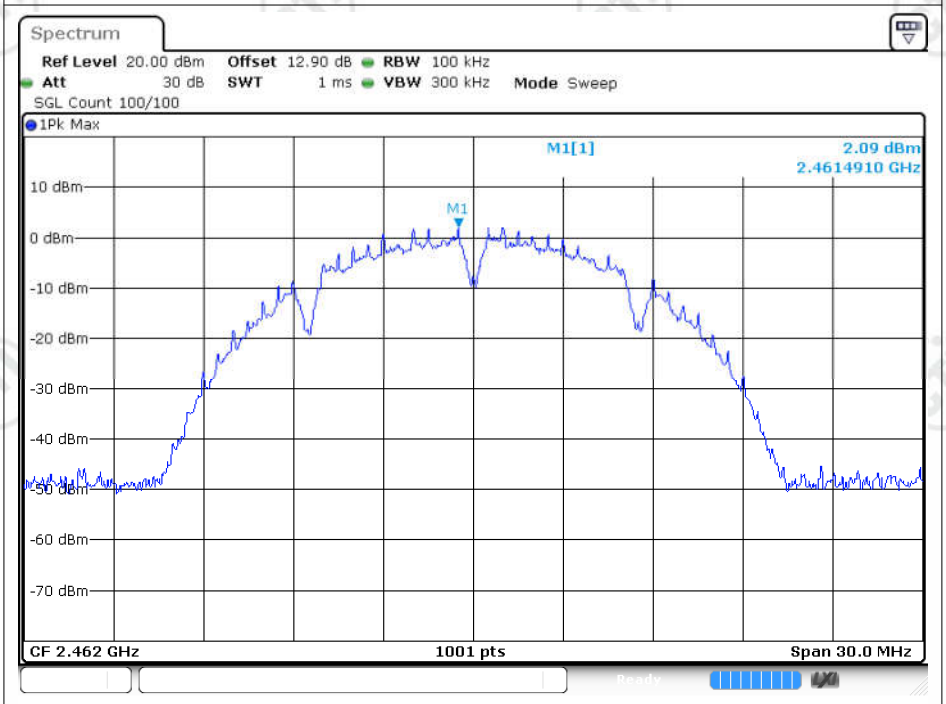


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41256 GHz	2.76 dBm		
M2		1	2.4 GHz	-48.19 dBm		
M3		1	2.4 GHz	-48.19 dBm		
M4		1	2.3949 GHz	-45.57 dBm		

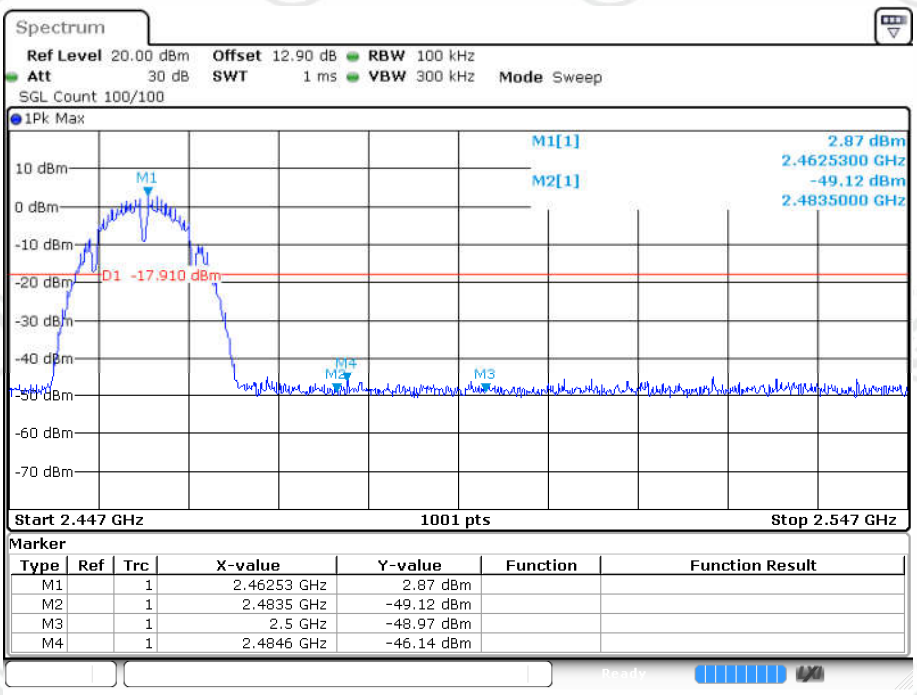
Date: 8.DEC.2023 10:22:46

Band Edge NVNT b 2462MHz Ant1 Ref



Date: 8.DEC.2023 10:26:38

Band Edge NVNT b 2462MHz Ant1 Emission

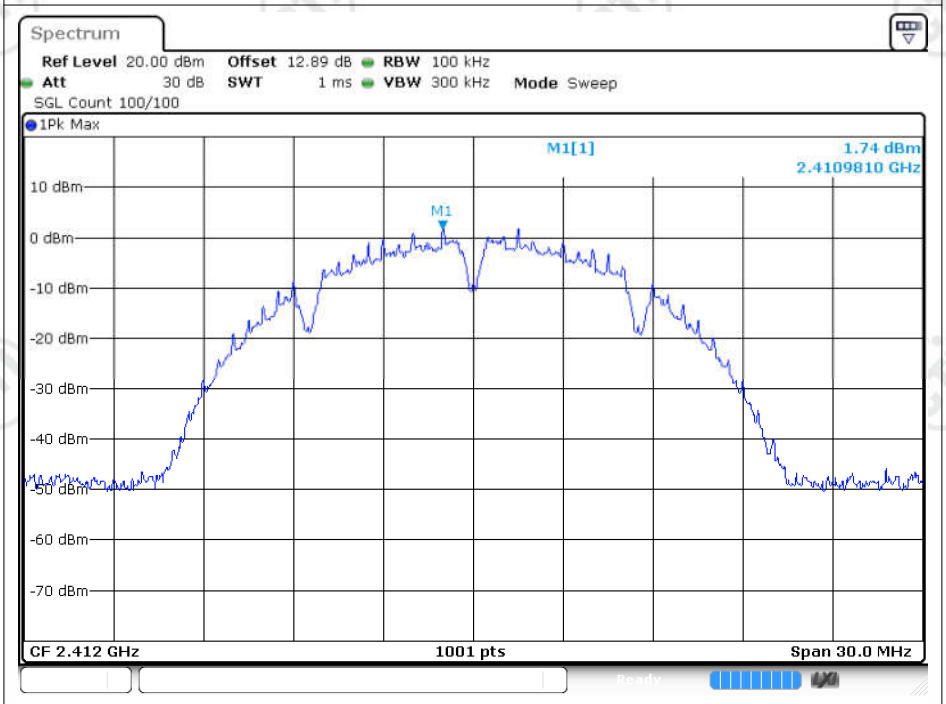


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46253 GHz	2.87 dBm		
M2		1	2.4835 GHz	-49.12 dBm		
M3		1	2.5 GHz	-48.97 dBm		
M4		1	2.4846 GHz	-46.14 dBm		

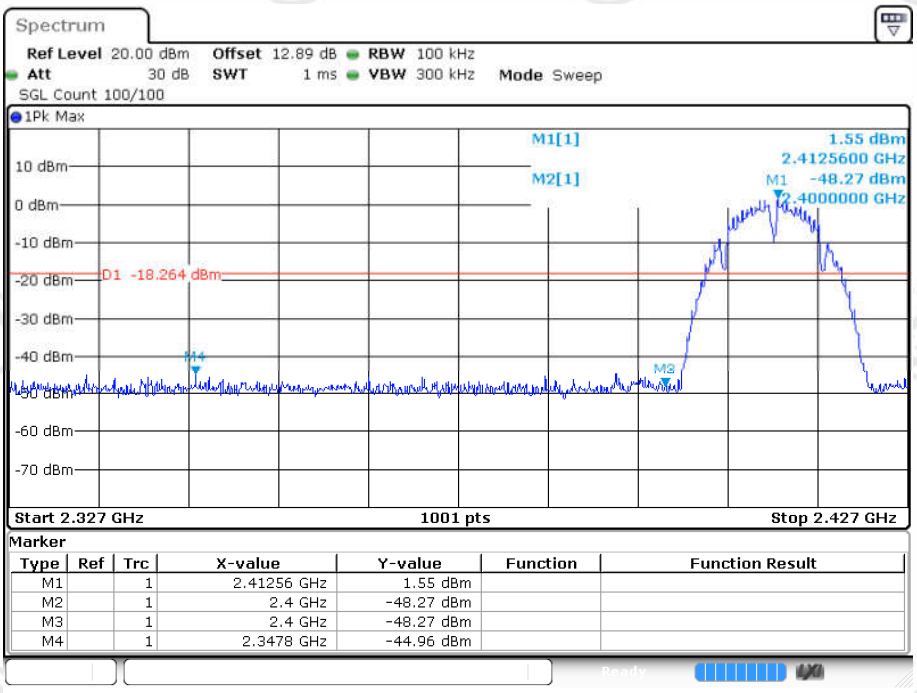
Date: 8.DEC.2023 10:26:39

Band Edge NVNT b 2412MHz Ant2 Ref



Date: 8.DEC.2023 11:11:44

Band Edge NVNT b 2412MHz Ant2 Emission

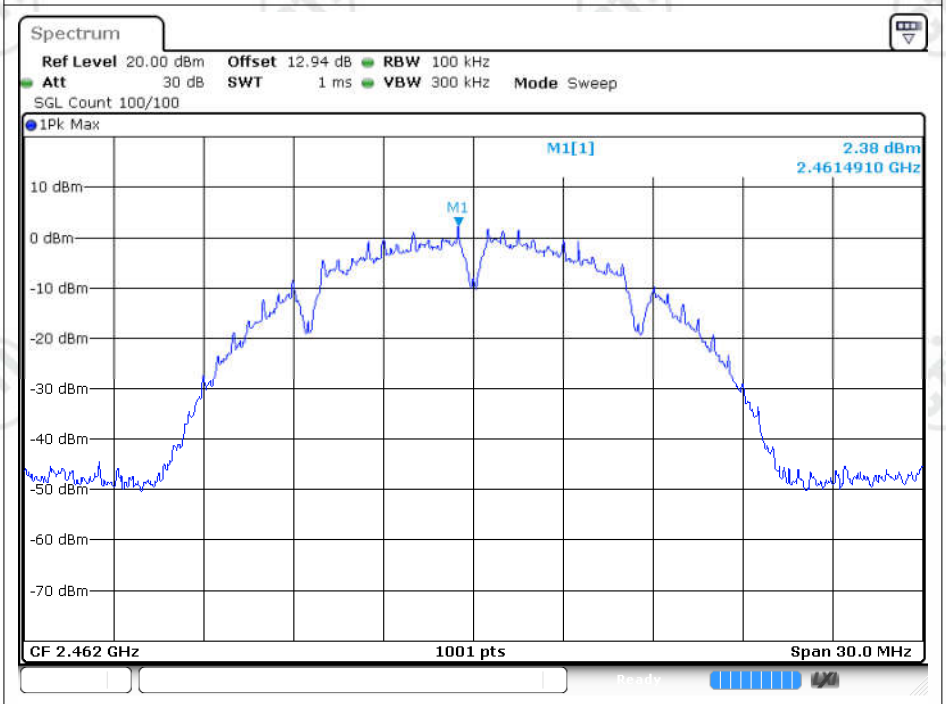


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41256 GHz	1.55 dBm		
M2		1	2.4 GHz	-48.27 dBm		
M3		1	2.4 GHz	-48.27 dBm		
M4		1	2.3478 GHz	-44.96 dBm		

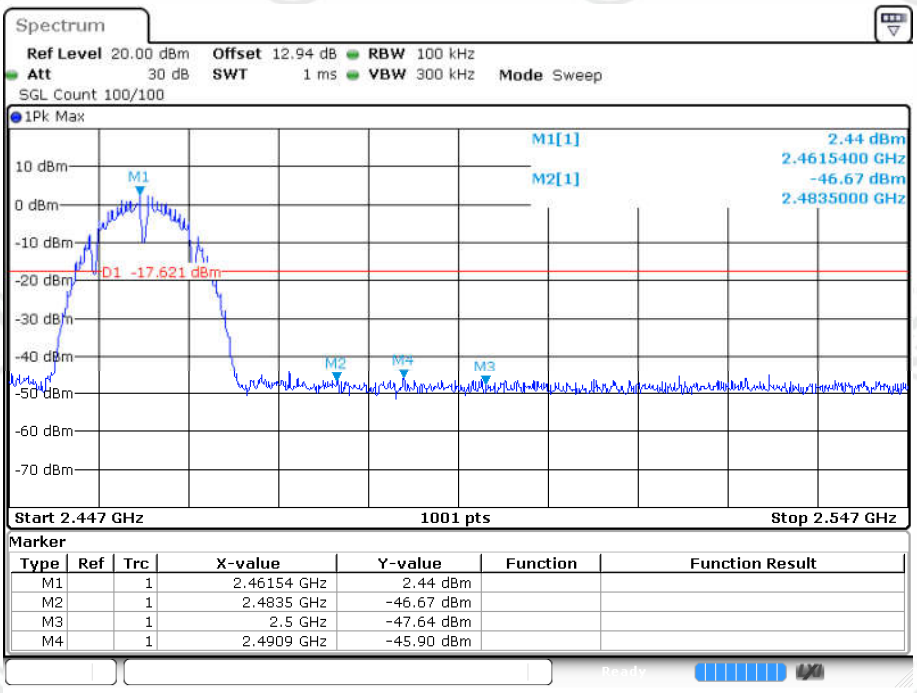
Date: 8.DEC.2023 11:11:45

Band Edge NVNT b 2462MHz Ant2 Ref



Date: 8.DEC.2023 11:15:26

Band Edge NVNT b 2462MHz Ant2 Emission

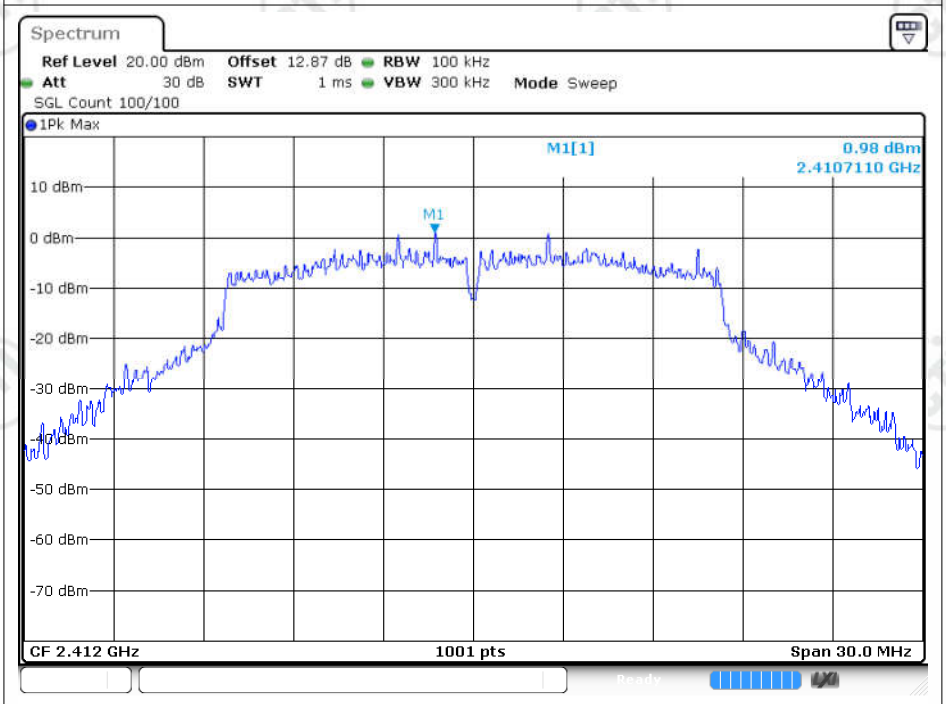


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46154 GHz	2.44 dBm		
M2		1	2.4835 GHz	-46.67 dBm		
M3		1	2.5 GHz	-47.64 dBm		
M4		1	2.4909 GHz	-45.90 dBm		

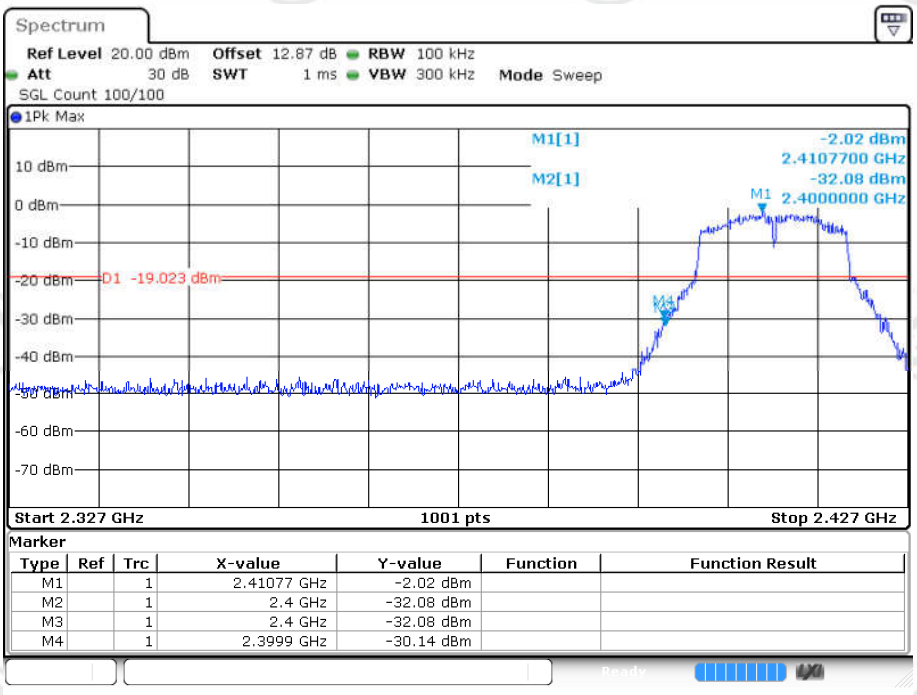
Date: 8.DEC.2023 11:15:27

Band Edge NVNT g 2412MHz Ant1 Ref



Date: 8.DEC.2023 10:29:17

Band Edge NVNT g 2412MHz Ant1 Emission

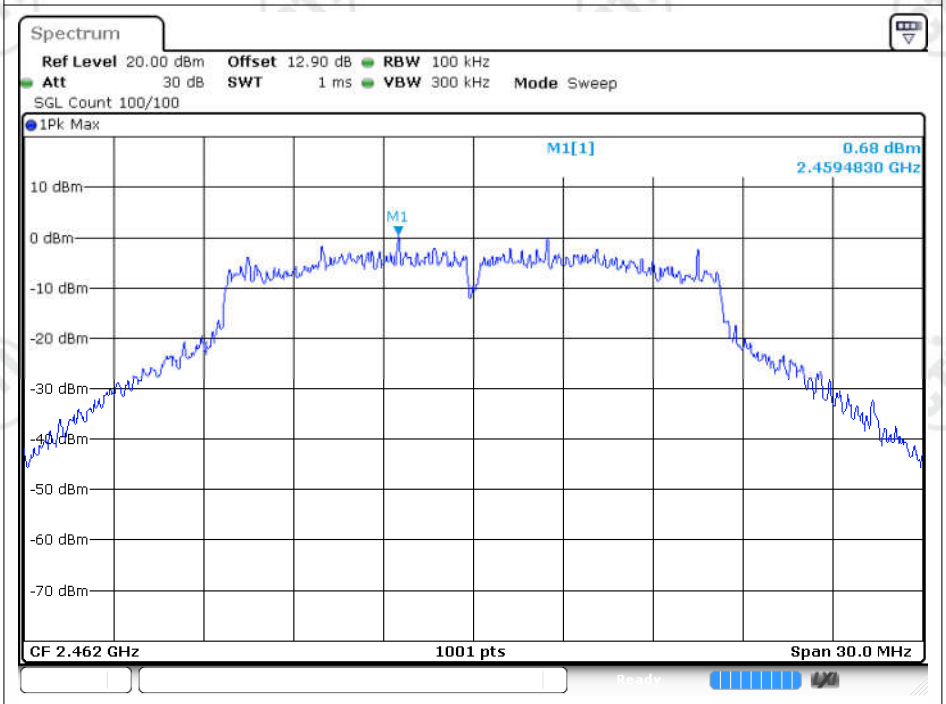


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41077 GHz	-2.02 dBm		
M2		1	2.4 GHz	-32.08 dBm		
M3		1	2.4 GHz	-32.08 dBm		
M4		1	2.3999 GHz	-30.14 dBm		

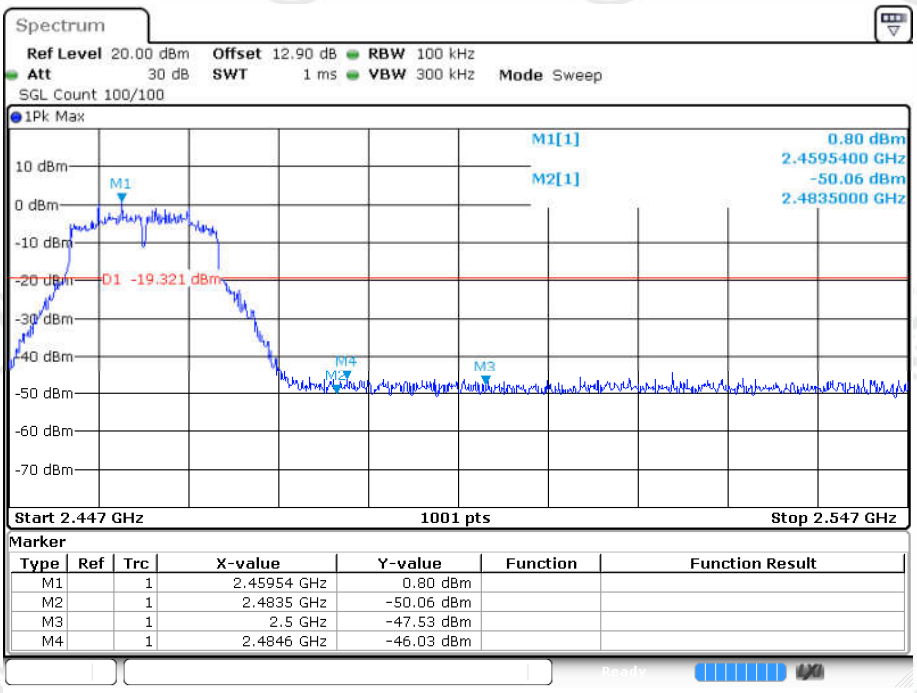
Date: 8.DEC.2023 10:29:19

Band Edge NVNT g 2462MHz Ant1 Ref



Date: 8.DEC.2023 10:32:48

Band Edge NVNT g 2462MHz Ant1 Emission

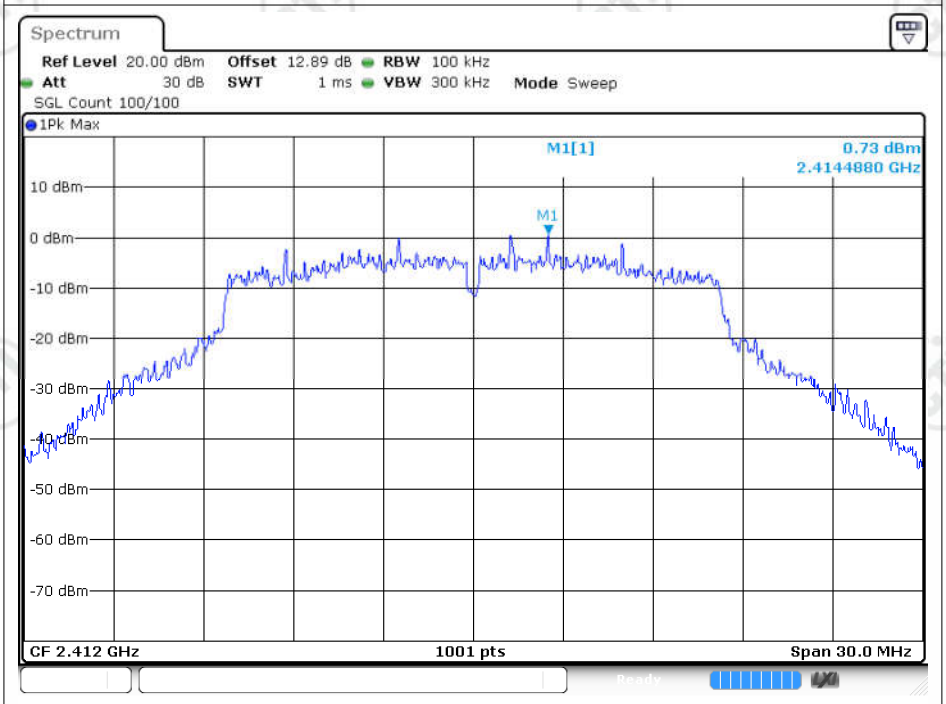


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45954 GHz	0.80 dBm		
M2		1	2.4835 GHz	-50.06 dBm		
M3		1	2.5 GHz	-47.53 dBm		
M4		1	2.4846 GHz	-46.03 dBm		

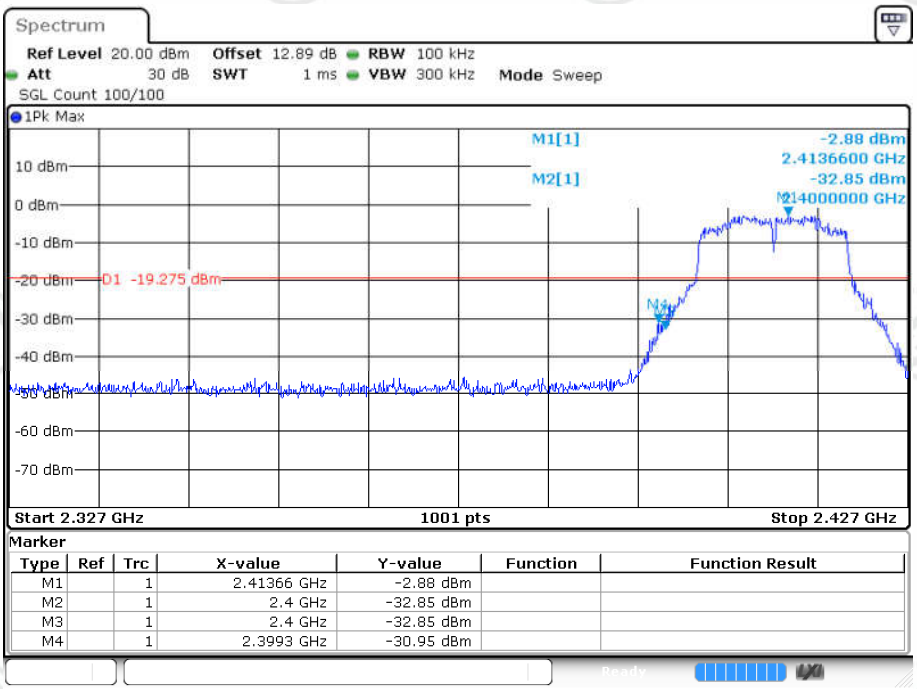
Date: 8.DEC.2023 10:32:50

Band Edge NVNT g 2412MHz Ant2 Ref



Date: 8.DEC.2023 11:18:35

Band Edge NVNT g 2412MHz Ant2 Emission

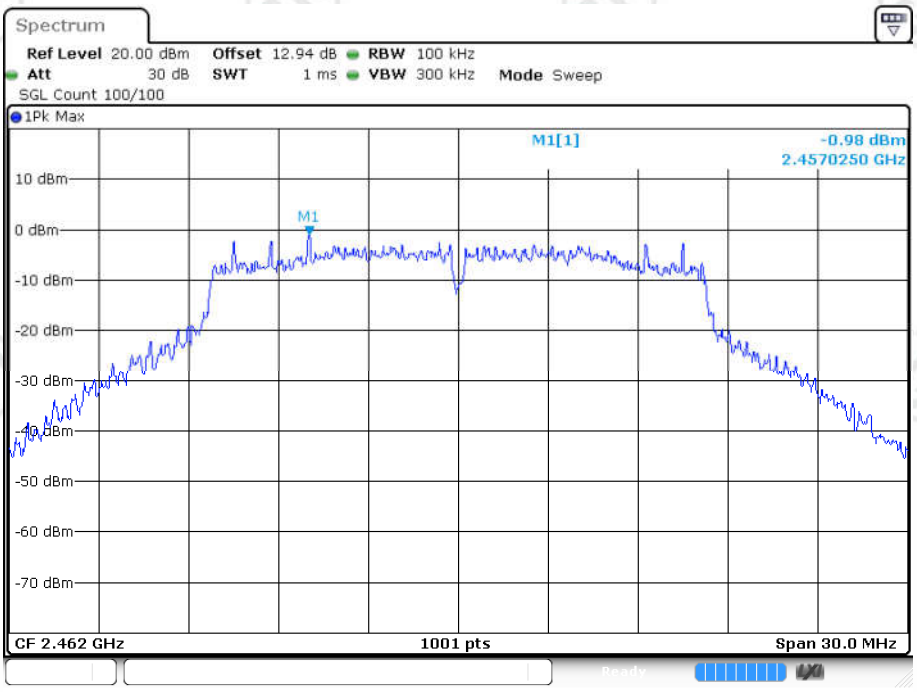


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41366 GHz	-2.88 dBm		
M2		1	2.4 GHz	-32.85 dBm		
M3		1	2.4 GHz	-32.85 dBm		
M4		1	2.3993 GHz	-30.95 dBm		

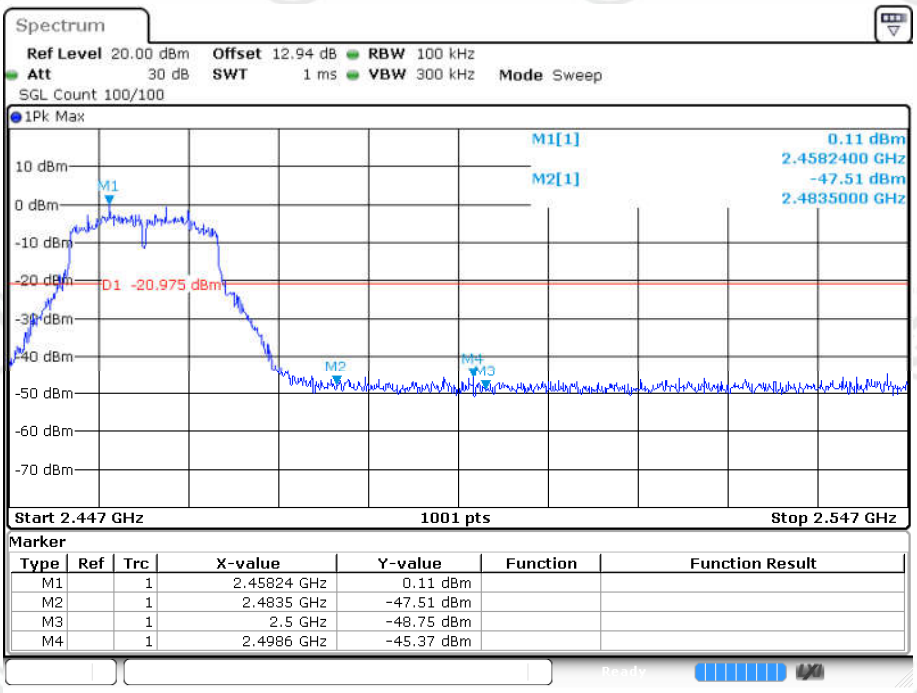
Date: 8.DEC.2023 11:18:37

Band Edge NVNT g 2462MHz Ant2 Ref



Date: 8.DEC.2023 11:29:05

Band Edge NVNT g 2462MHz Ant2 Emission

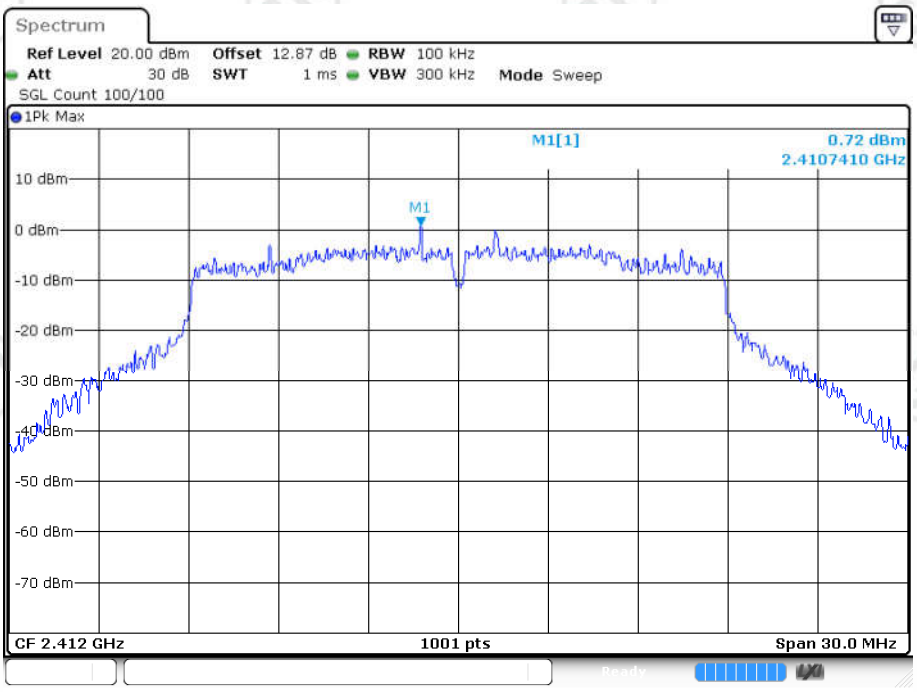


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45824 GHz	0.11 dBm		
M2		1	2.4835 GHz	-47.51 dBm		
M3		1	2.5 GHz	-48.75 dBm		
M4		1	2.4986 GHz	-45.37 dBm		

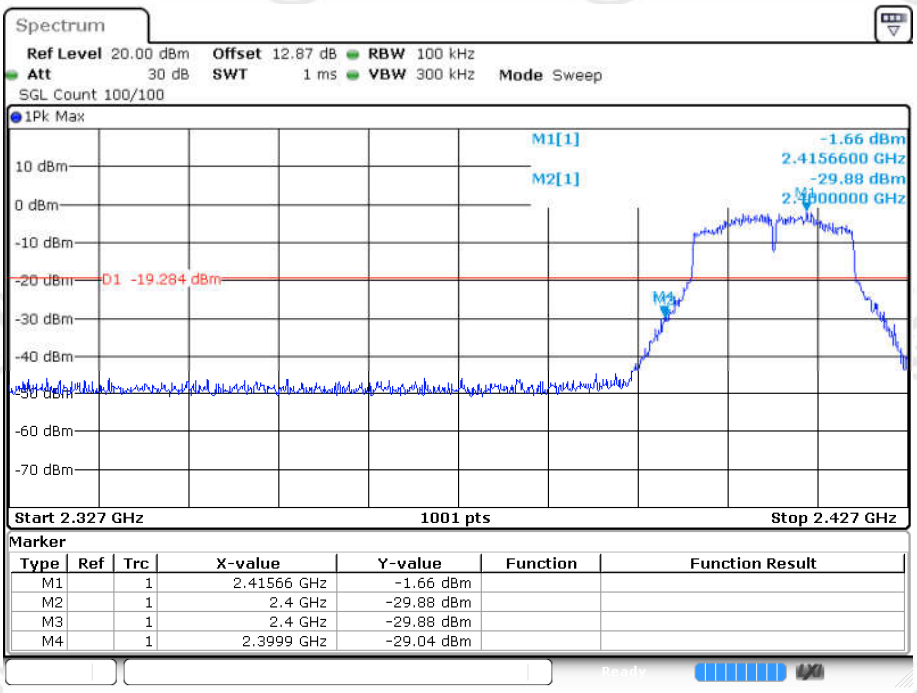
Date: 8.DEC.2023 11:29:06

Band Edge NVNT n20 2412MHz Ant1 Ref



Date: 8.DEC.2023 10:35:44

Band Edge NVNT n20 2412MHz Ant1 Emission

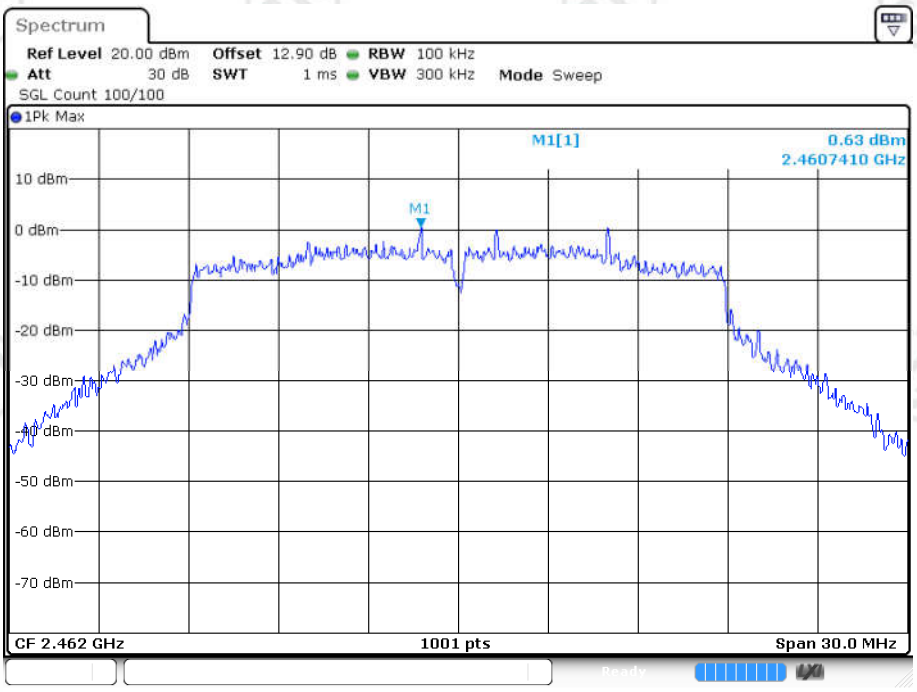


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41566 GHz	-1.66 dBm		
M2		1	2.4 GHz	-29.88 dBm		
M3		1	2.4 GHz	-29.88 dBm		
M4		1	2.3999 GHz	-29.04 dBm		

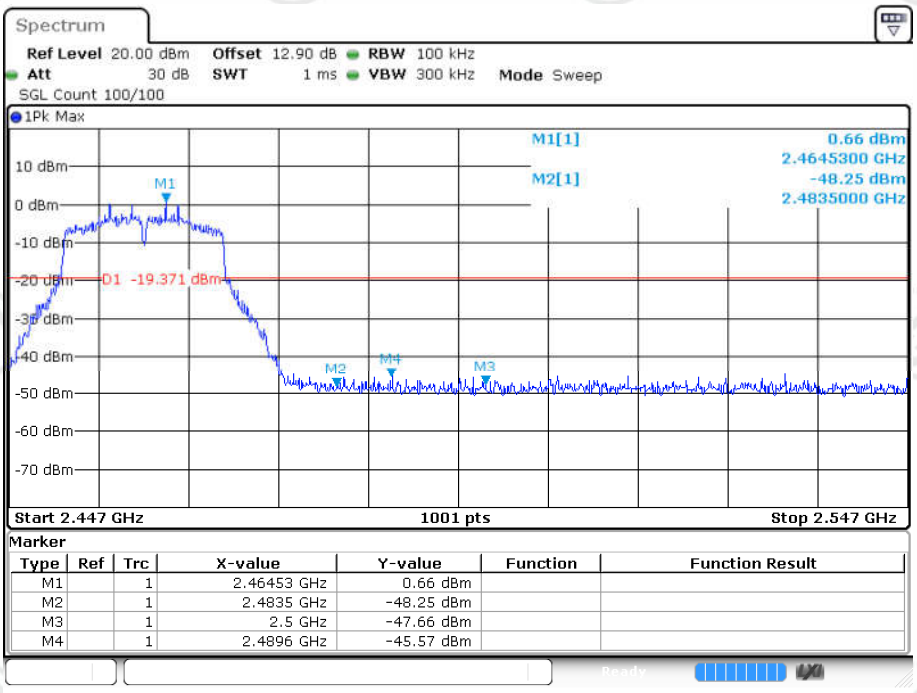
Date: 8.DEC.2023 10:35:46

Band Edge NVNT n20 2462MHz Ant1 Ref



Date: 8.DEC.2023 10:43:44

Band Edge NVNT n20 2462MHz Ant1 Emission

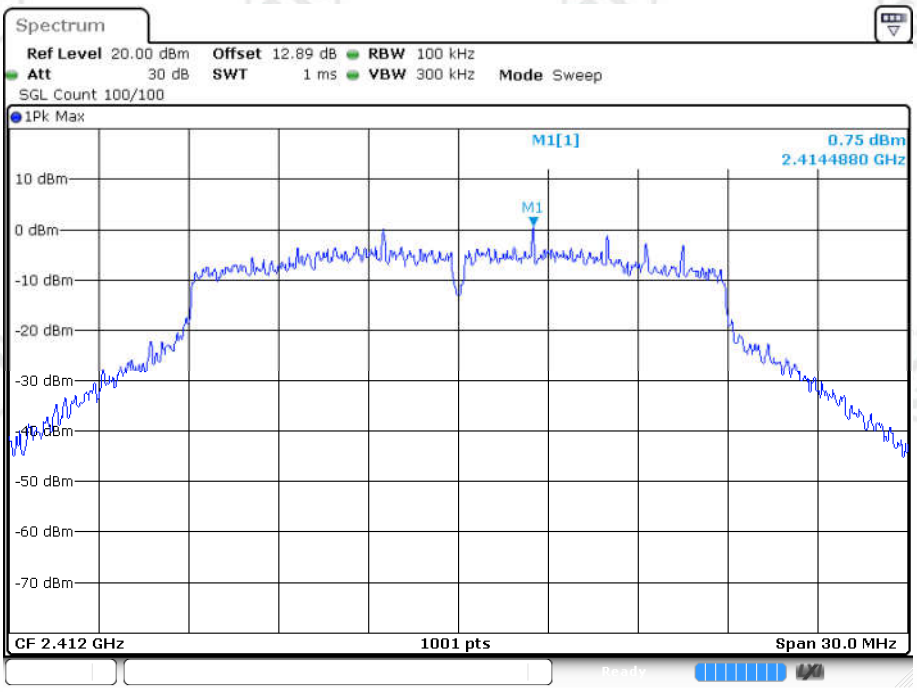


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46453 GHz	0.66 dBm		
M2		1	2.4835 GHz	-48.25 dBm		
M3		1	2.5 GHz	-47.66 dBm		
M4		1	2.4896 GHz	-45.57 dBm		

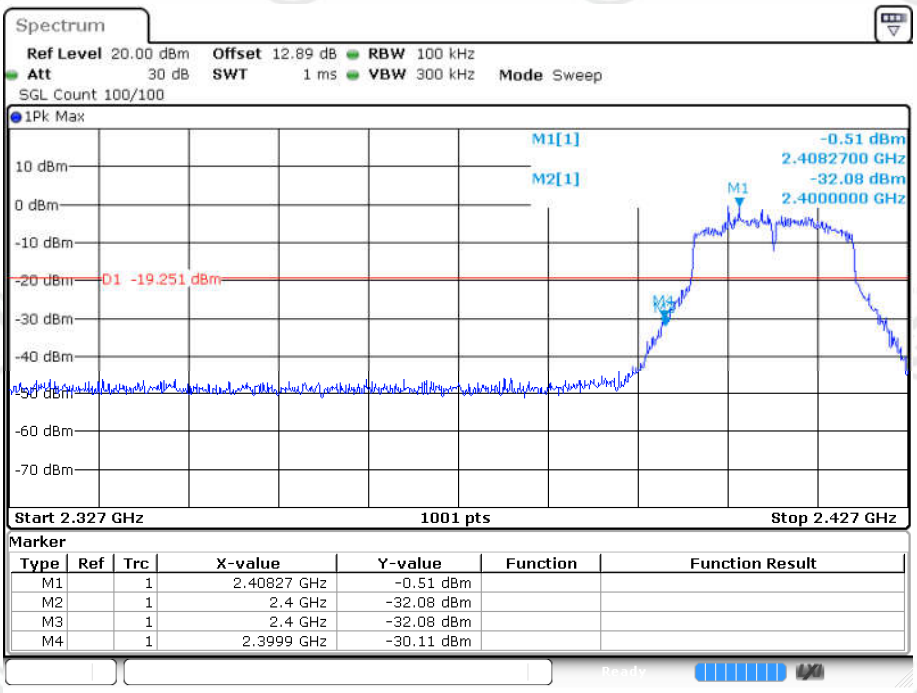
Date: 8.DEC.2023 10:43:45

Band Edge NVNT n20 2412MHz Ant2 Ref



Date: 8.DEC.2023 11:36:32

Band Edge NVNT n20 2412MHz Ant2 Emission

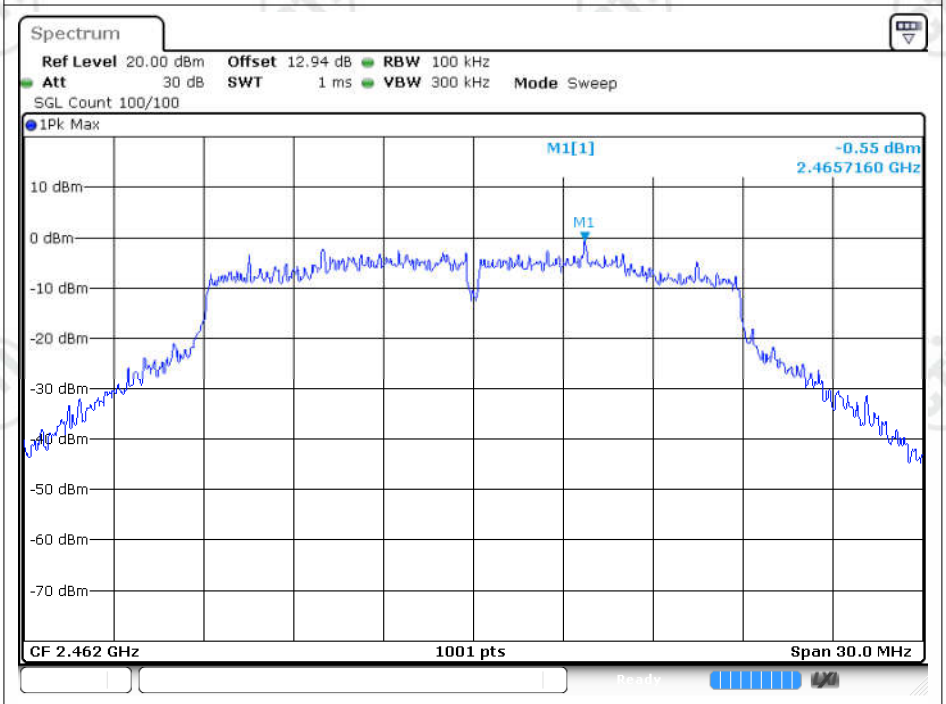


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40827 GHz	-0.51 dBm		
M2		1	2.4 GHz	-32.08 dBm		
M3		1	2.4 GHz	-32.08 dBm		
M4		1	2.3999 GHz	-30.11 dBm		

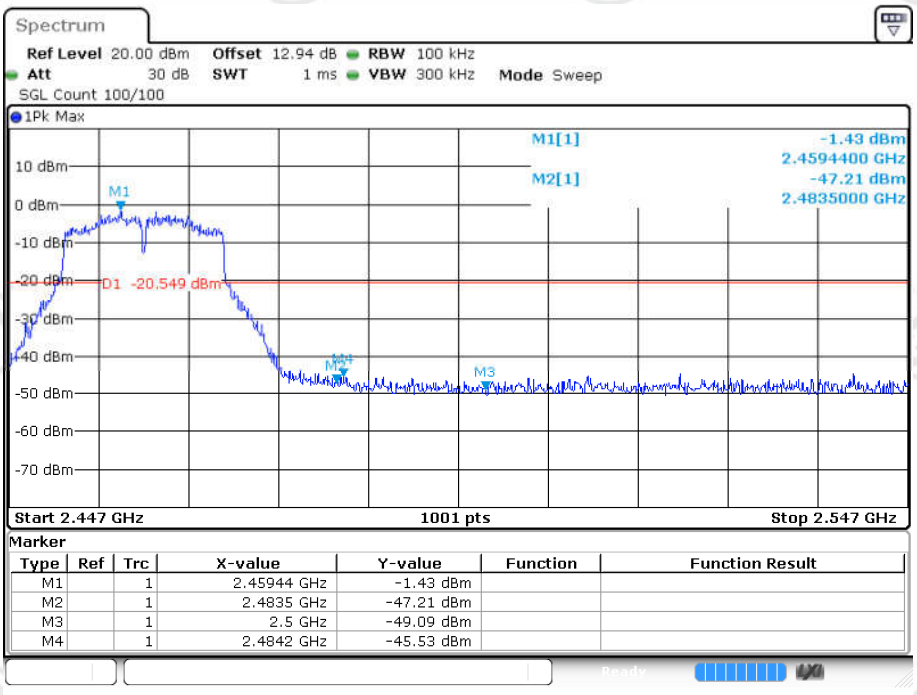
Date: 8.DEC.2023 11:36:33

Band Edge NVNT n20 2462MHz Ant2 Ref



Date: 8.DEC.2023 11:39:45

Band Edge NVNT n20 2462MHz Ant2 Emission

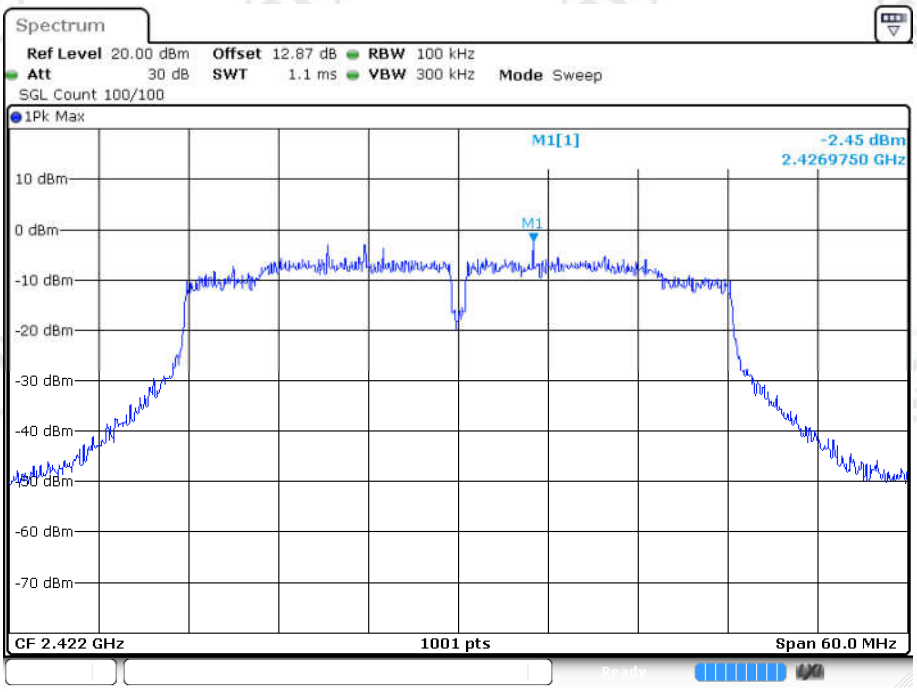


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45944 GHz	-1.43 dBm		
M2		1	2.4835 GHz	-47.21 dBm		
M3		1	2.5 GHz	-49.09 dBm		
M4		1	2.4842 GHz	-45.53 dBm		

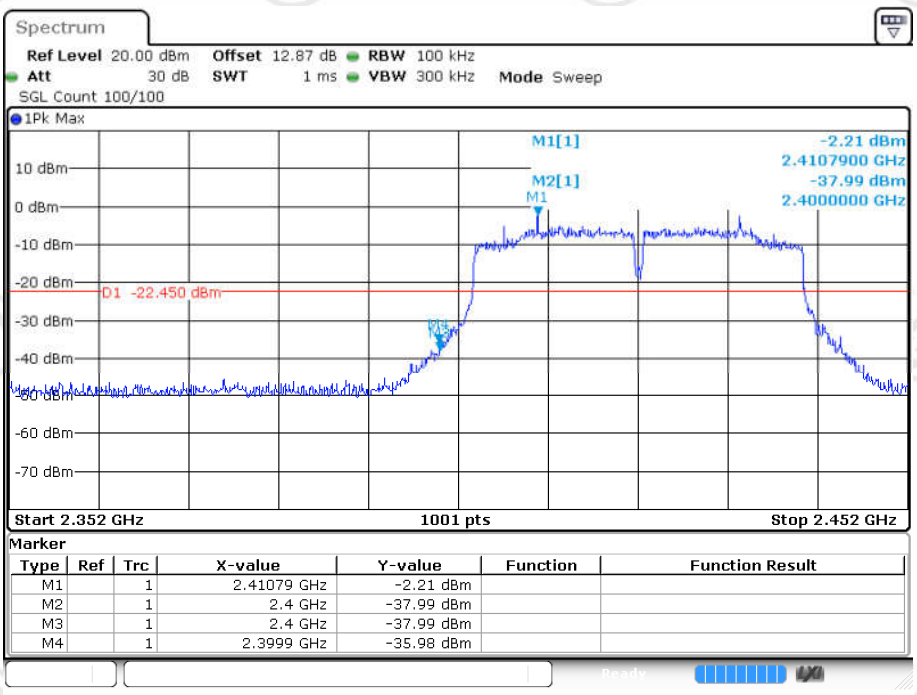
Date: 8.DEC.2023 11:39:47

Band Edge NVNT n40 2422MHz Ant1 Ref



Date: 8.DEC.2023 10:46:04

Band Edge NVNT n40 2422MHz Ant1 Emission

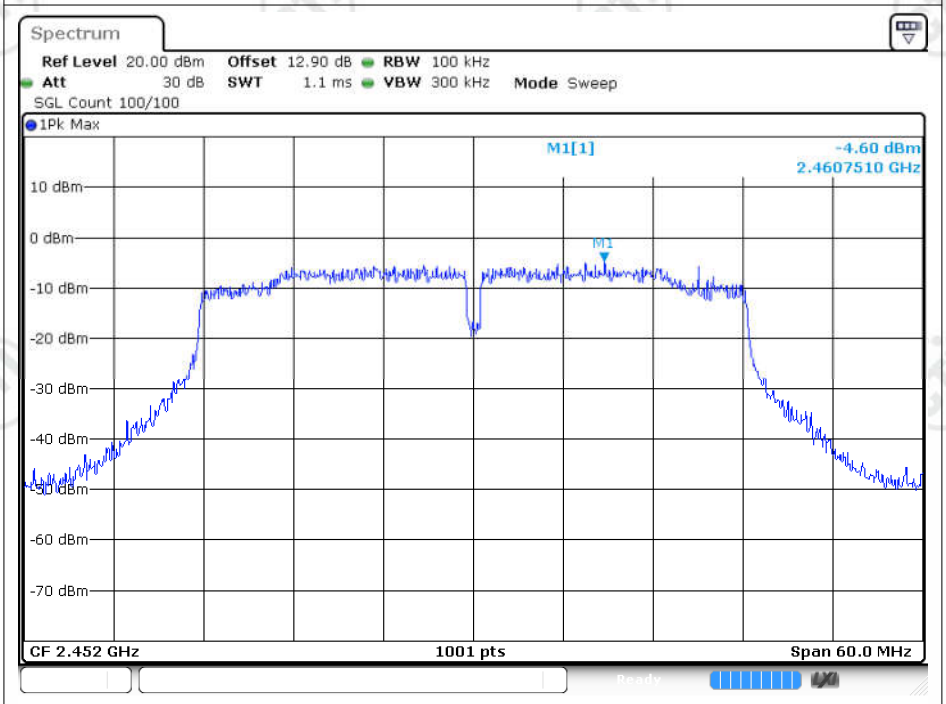


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41079 GHz	-2.21 dBm		
M2		1	2.4 GHz	-37.99 dBm		
M3		1	2.4 GHz	-37.99 dBm		
M4		1	2.3999 GHz	-35.98 dBm		

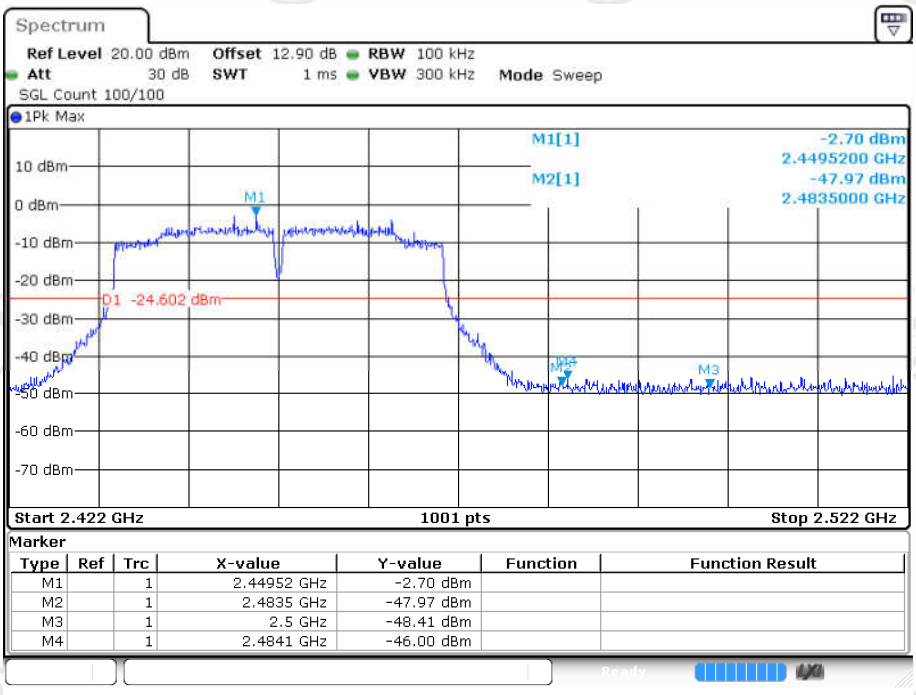
Date: 8.DEC.2023 10:46:06

Band Edge NVNT n40 2452MHz Ant1 Ref



Date: 8.DEC.2023 10:52:37

Band Edge NVNT n40 2452MHz Ant1 Emission

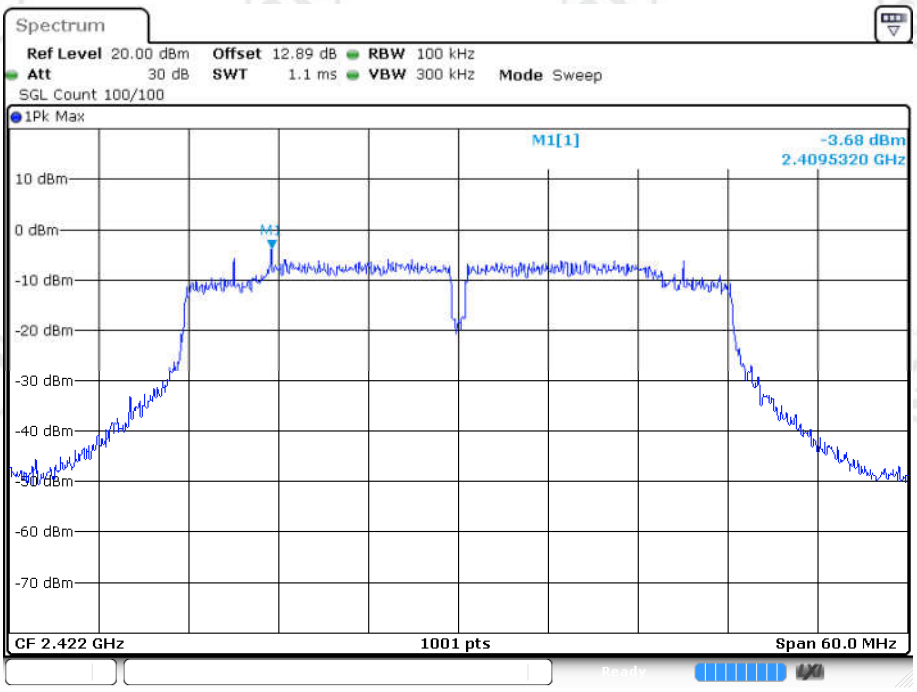


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44952 GHz	-2.70 dBm		
M2		1	2.4835 GHz	-47.97 dBm		
M3		1	2.5 GHz	-48.41 dBm		
M4		1	2.4841 GHz	-46.00 dBm		

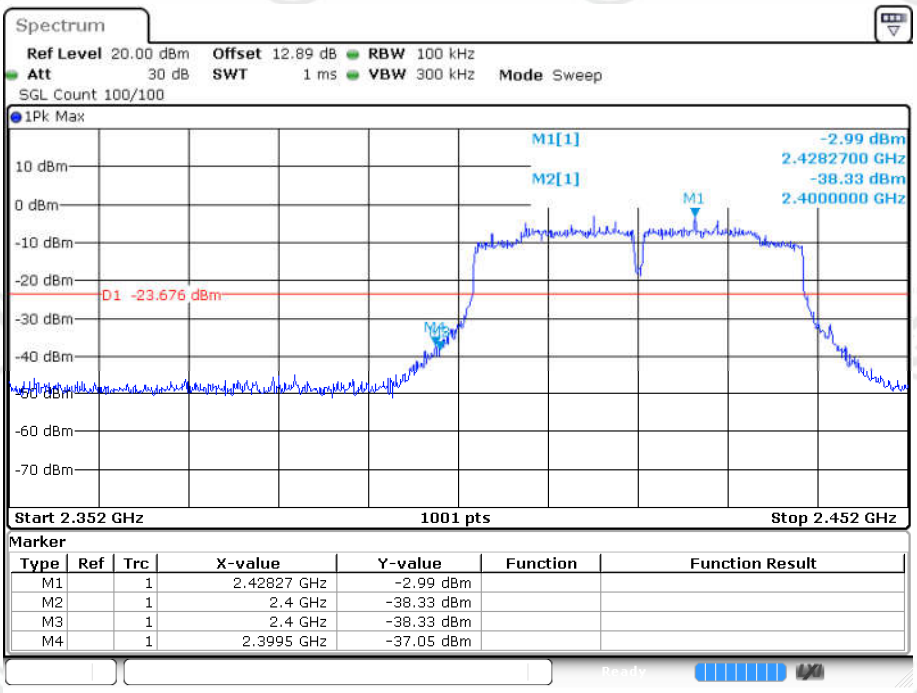
Date: 8.DEC.2023 10:52:39

Band Edge NVNT n40 2422MHz Ant2 Ref



Date: 8.DEC.2023 11:46:10

Band Edge NVNT n40 2422MHz Ant2 Emission

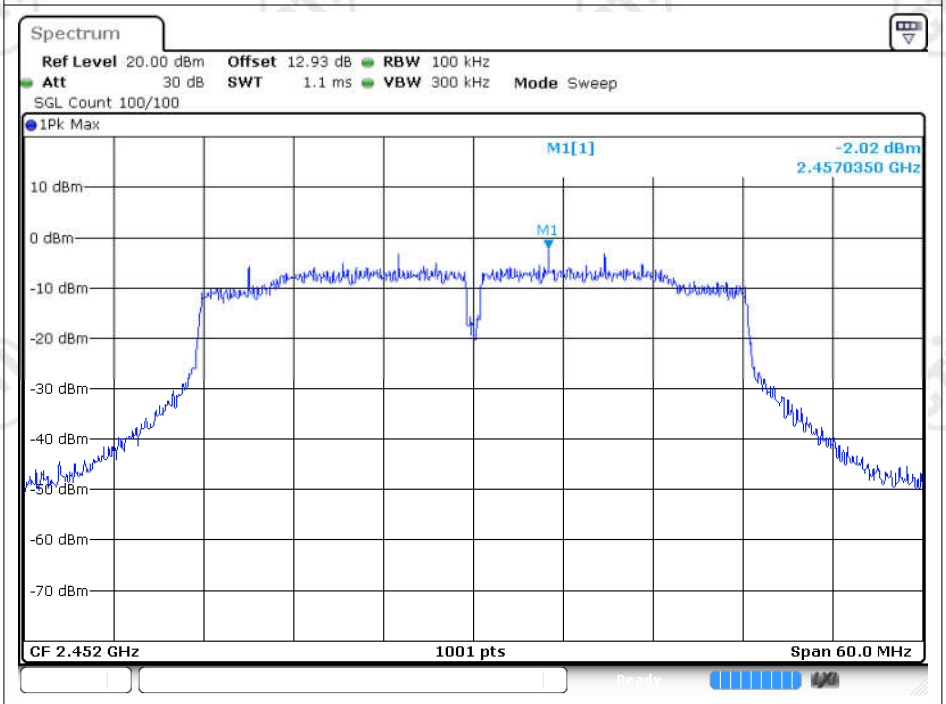


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42827 GHz	-2.99 dBm		
M2		1	2.4 GHz	-38.33 dBm		
M3		1	2.4 GHz	-38.33 dBm		
M4		1	2.3995 GHz	-37.05 dBm		

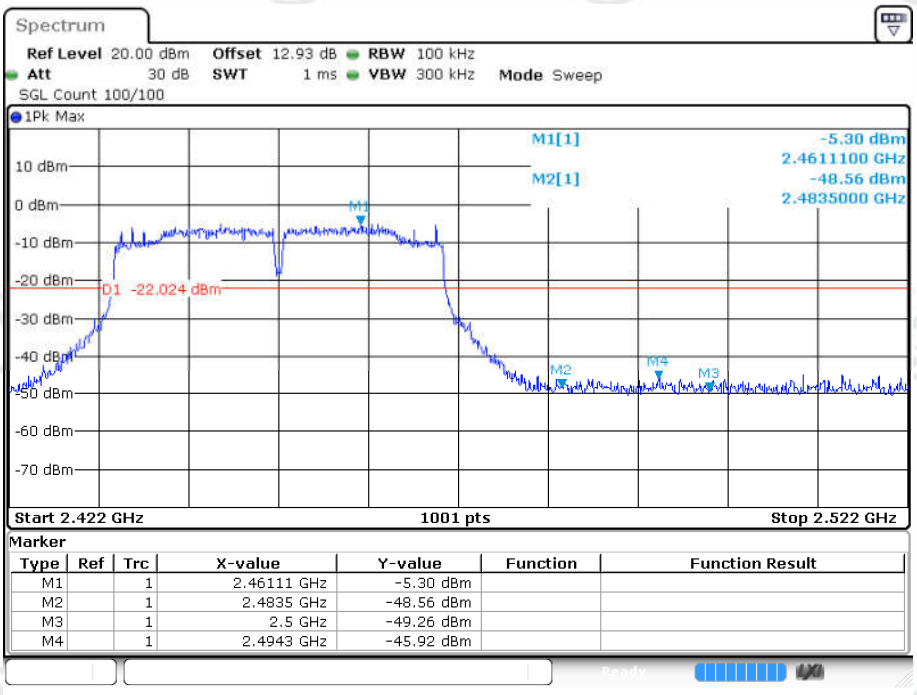
Date: 8.DEC.2023 11:46:11

Band Edge NVNT n40 2452MHz Ant2 Ref



Date: 8.DEC.2023 13:05:26

Band Edge NVNT n40 2452MHz Ant2 Emission

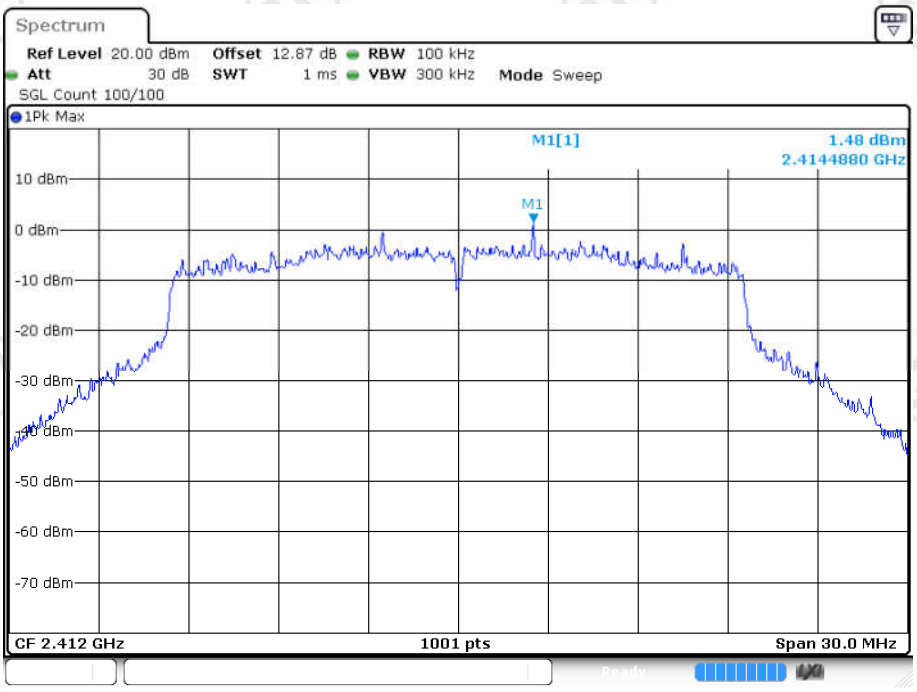


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46111 GHz	-5.30 dBm		
M2		1	2.4835 GHz	-48.56 dBm		
M3		1	2.5 GHz	-49.26 dBm		
M4		1	2.4943 GHz	-45.92 dBm		

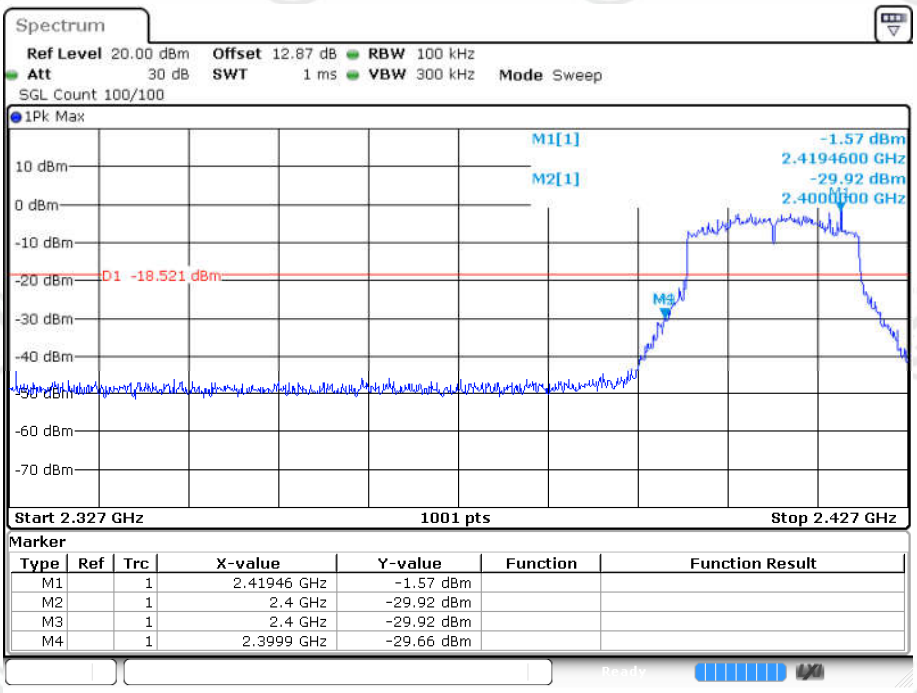
Date: 8.DEC.2023 13:05:27

Band Edge NVNT ax20 2412MHz Ant1 Ref



Date: 8.DEC.2023 10:58:28

Band Edge NVNT ax20 2412MHz Ant1 Emission

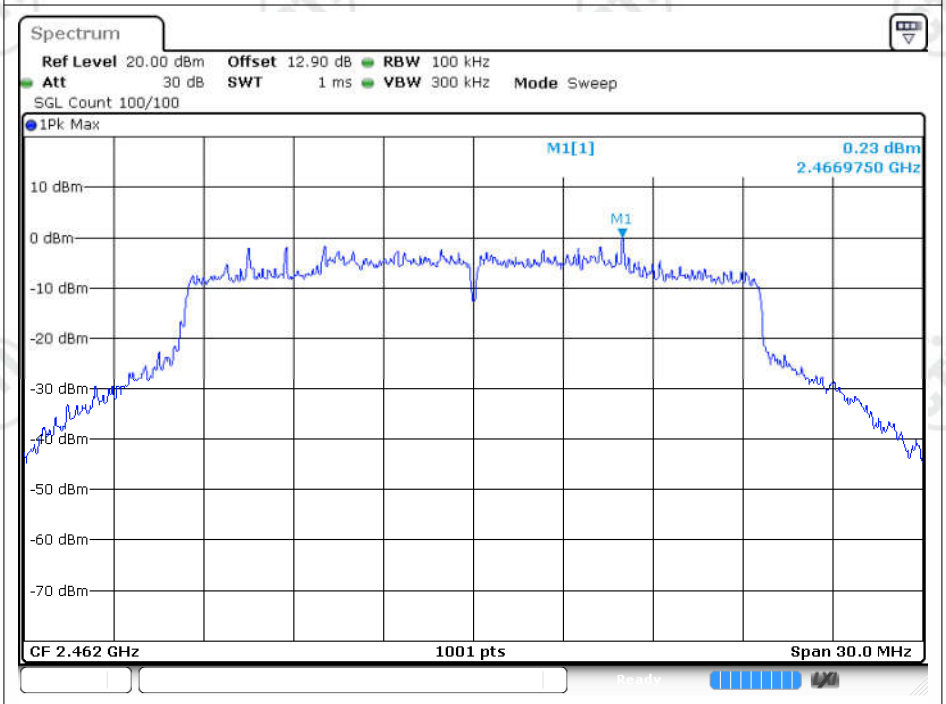


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41946 GHz	-1.57 dBm		
M2		1	2.4 GHz	-29.92 dBm		
M3		1	2.4 GHz	-29.92 dBm		
M4		1	2.3999 GHz	-29.66 dBm		

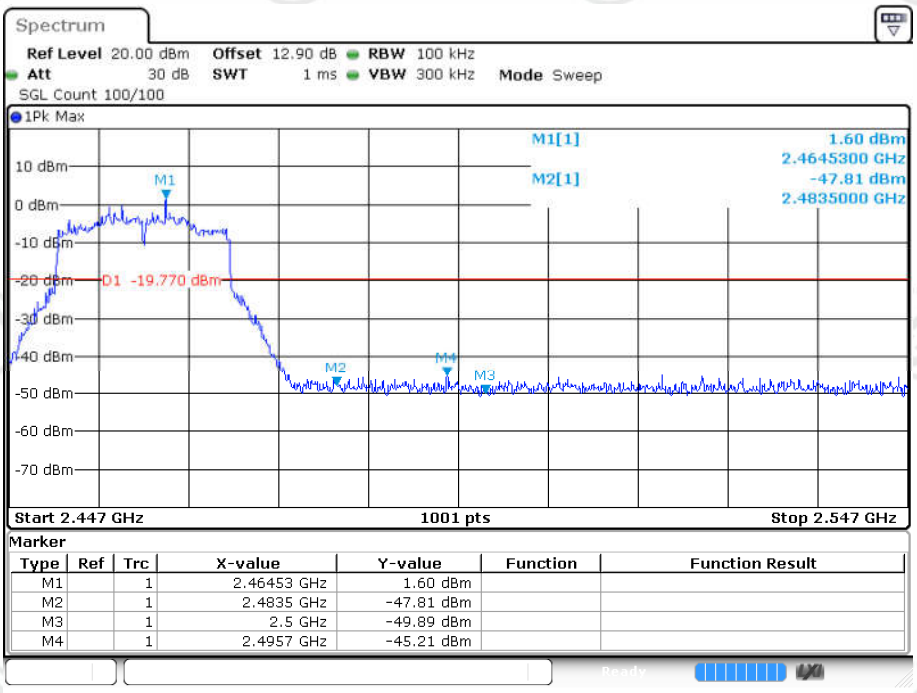
Date: 8.DEC.2023 10:58:30

Band Edge NVNT ax20 2462MHz Ant1 Ref



Date: 8.DEC.2023 11:01:56

Band Edge NVNT ax20 2462MHz Ant1 Emission

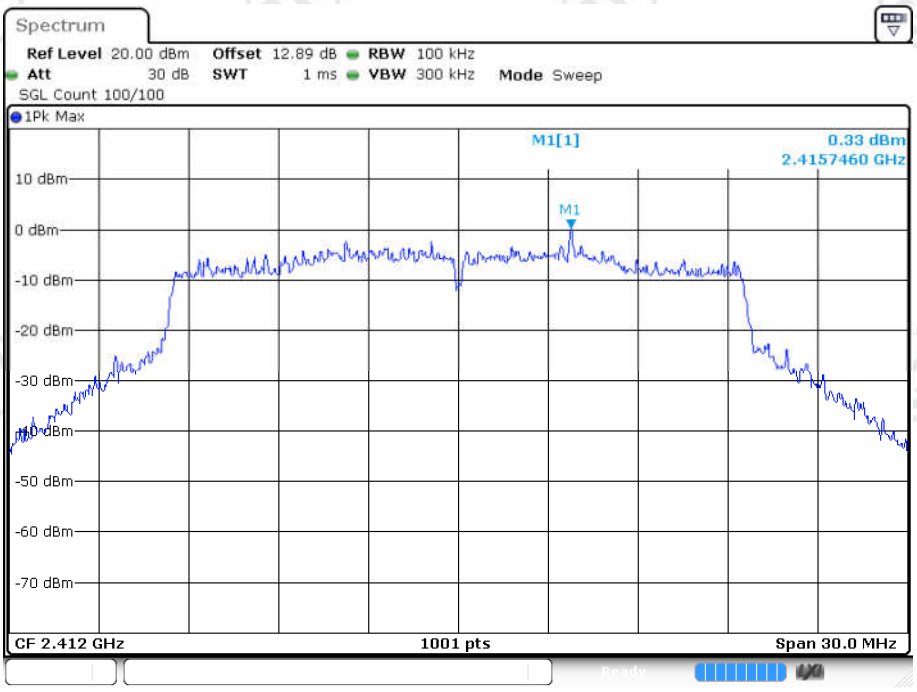


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46453 GHz	1.60 dBm		
M2		1	2.4835 GHz	-47.81 dBm		
M3		1	2.5 GHz	-49.89 dBm		
M4		1	2.4957 GHz	-45.21 dBm		

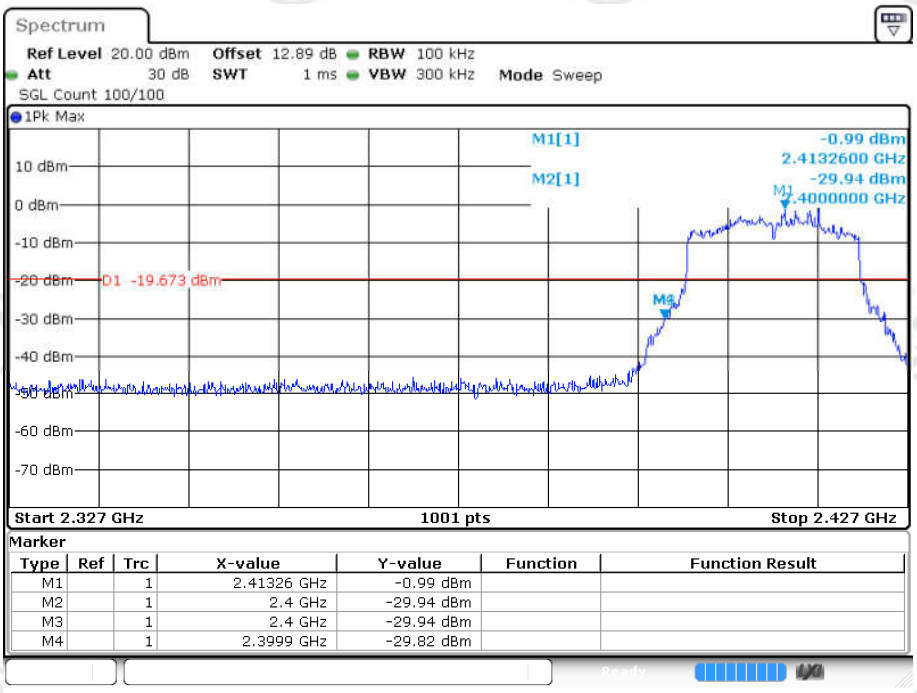
Date: 8.DEC.2023 11:01:57

Band Edge NVNT ax20 2412MHz Ant2 Ref



Date: 8.DEC.2023 13:07:06

Band Edge NVNT ax20 2412MHz Ant2 Emission

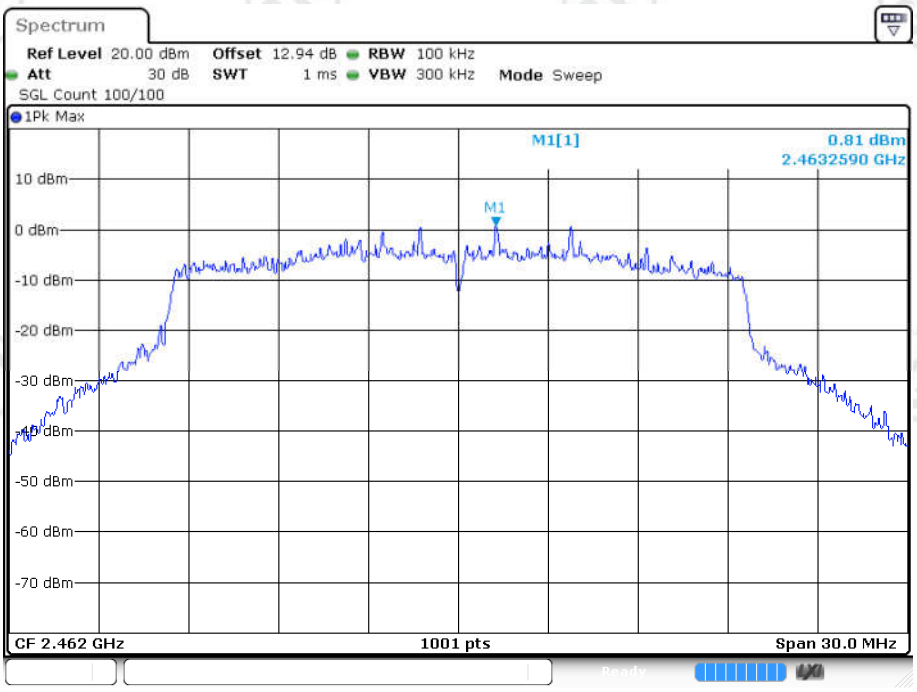


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41326 GHz	-0.99 dBm		
M2		1	2.4 GHz	-29.94 dBm		
M3		1	2.4 GHz	-29.94 dBm		
M4		1	2.3999 GHz	-29.82 dBm		

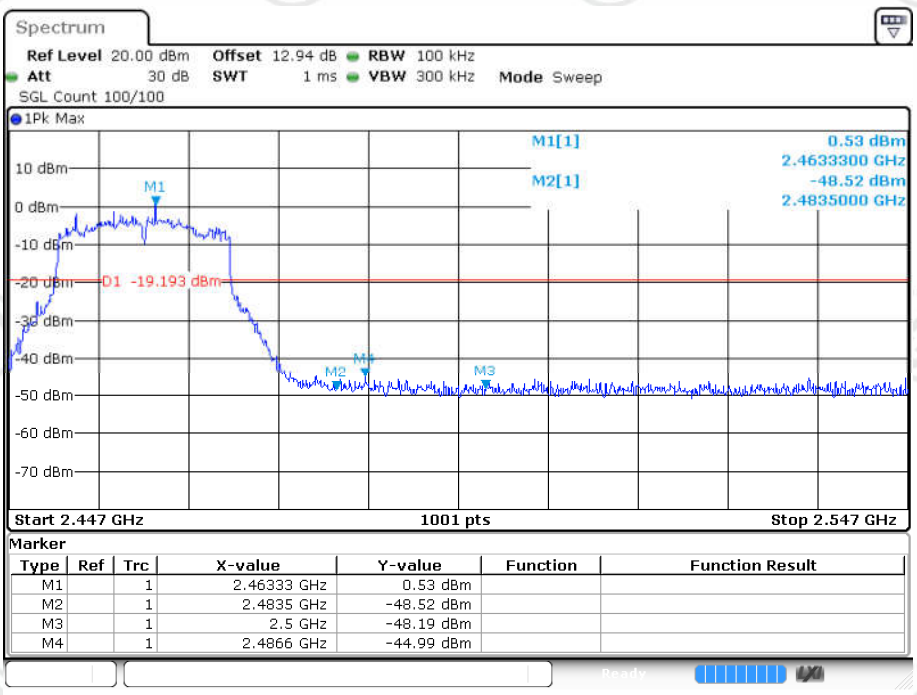
Date: 8.DEC.2023 13:07:08

Band Edge NVNT ax20 2462MHz Ant2 Ref



Date: 8.DEC.2023 13:14:48

Band Edge NVNT ax20 2462MHz Ant2 Emission

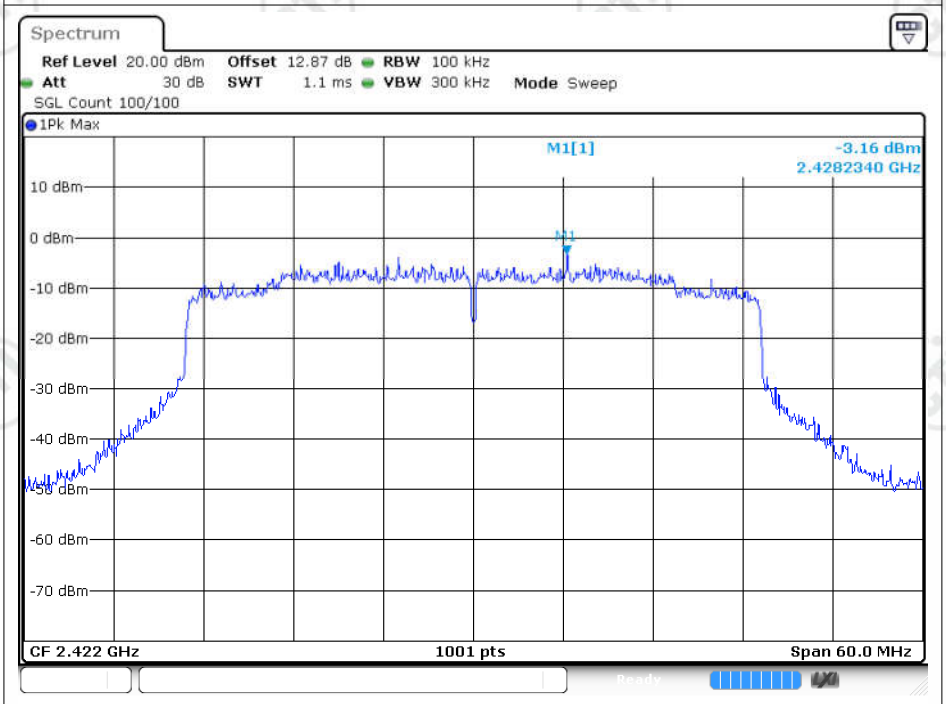


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46333 GHz	0.53 dBm		
M2		1	2.4835 GHz	-48.52 dBm		
M3		1	2.5 GHz	-48.19 dBm		
M4		1	2.4866 GHz	-44.99 dBm		

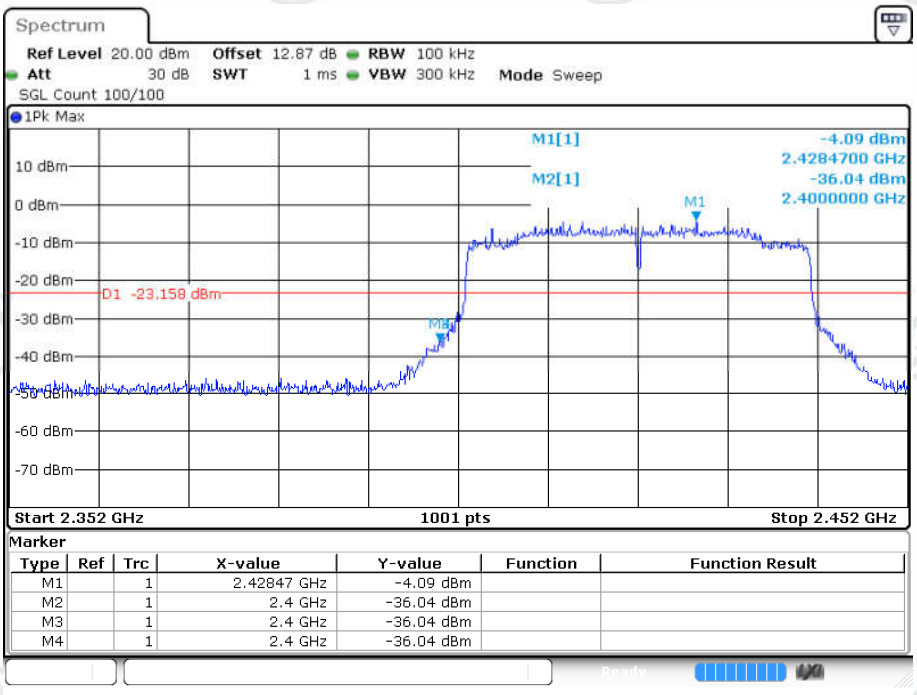
Date: 8.DEC.2023 13:14:49

Band Edge NVNT ax40 2422MHz Ant1 Ref



Date: 8.DEC.2023 11:04:09

Band Edge NVNT ax40 2422MHz Ant1 Emission

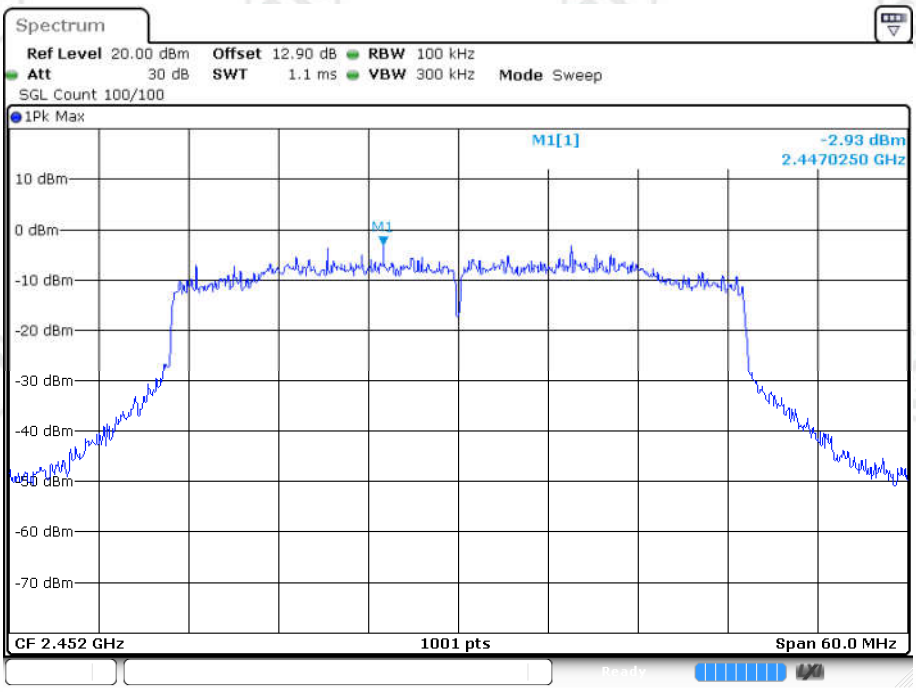


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42847 GHz	-4.09 dBm		
M2		1	2.4 GHz	-36.04 dBm		
M3		1	2.4 GHz	-36.04 dBm		
M4		1	2.4 GHz	-36.04 dBm		

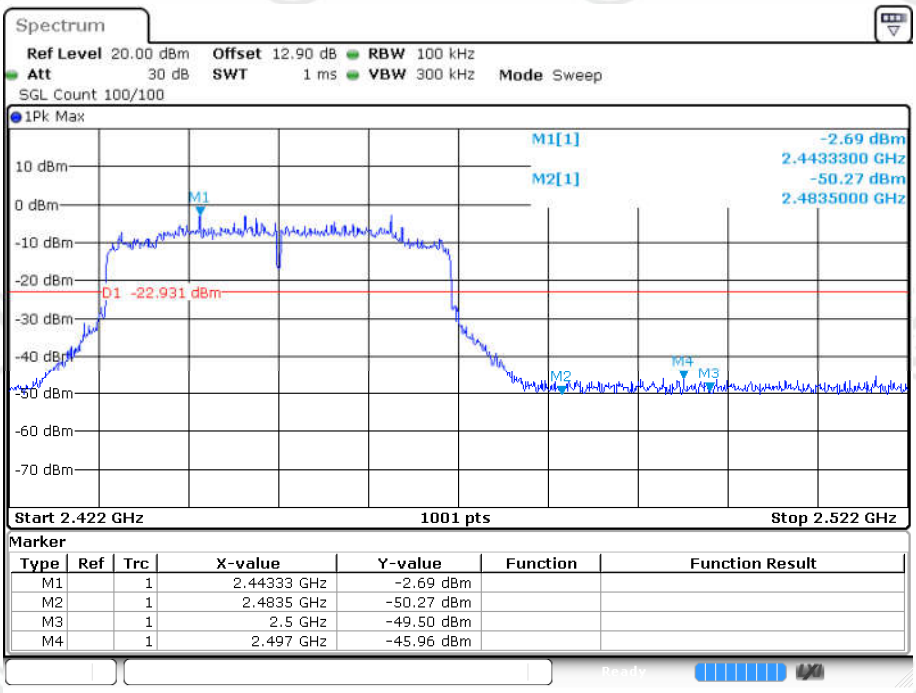
Date: 8.DEC.2023 11:04:10

Band Edge NVNT ax40 2452MHz Ant1 Ref



Date: 8.DEC.2023 11:09:11

Band Edge NVNT ax40 2452MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44333 GHz	-2.69 dBm		
M2		1	2.4835 GHz	-50.27 dBm		
M3		1	2.5 GHz	-49.50 dBm		
M4		1	2.497 GHz	-45.96 dBm		

Date: 8.DEC.2023 11:09:12