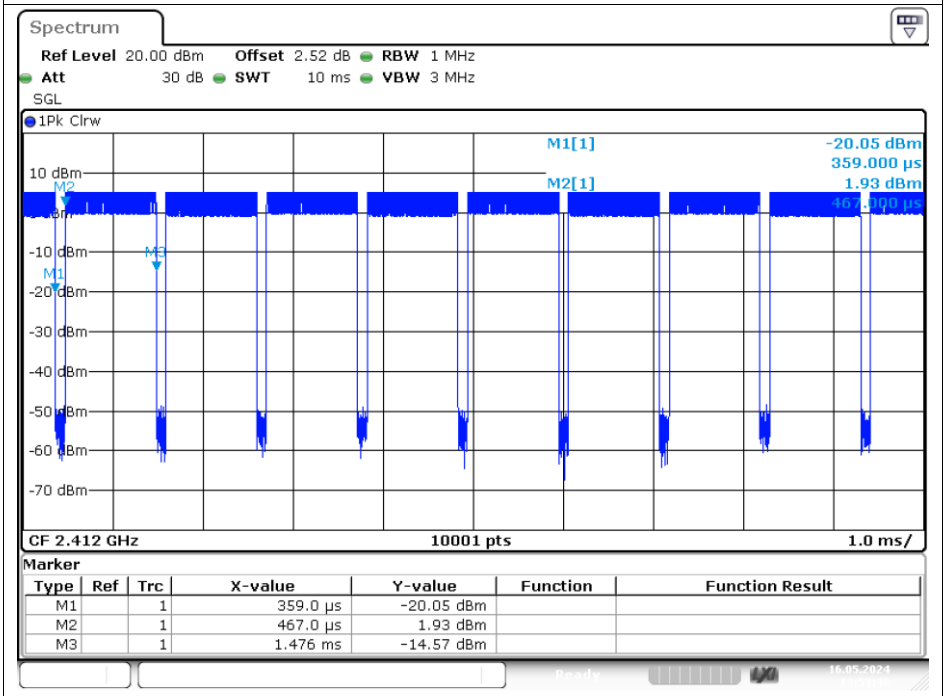
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	1.01	1.12	90.18	0.45	0.99
NVNT	b	2437	Ant1	1.01	1.12	90.18	0.45	0.99
NVNT	b	2462	Ant1	1.01	1.12	90.18	0.45	0.99
NVNT	g	2412	Ant1	0.62	0.68	91.18	0.4	1.62
NVNT	g	2437	Ant1	0.62	0.68	91.18	0.4	1.62
NVNT	g	2462	Ant1	0.62	0.68	91.18	0.4	1.62
NVNT	n20	2412	Ant1	0.61	0.68	89.71	0.47	1.63
NVNT	n20	2437	Ant1	0.61	0.68	89.71	0.47	1.63
NVNT	n20	2462	Ant1	0.61	0.68	89.71	0.47	1.63

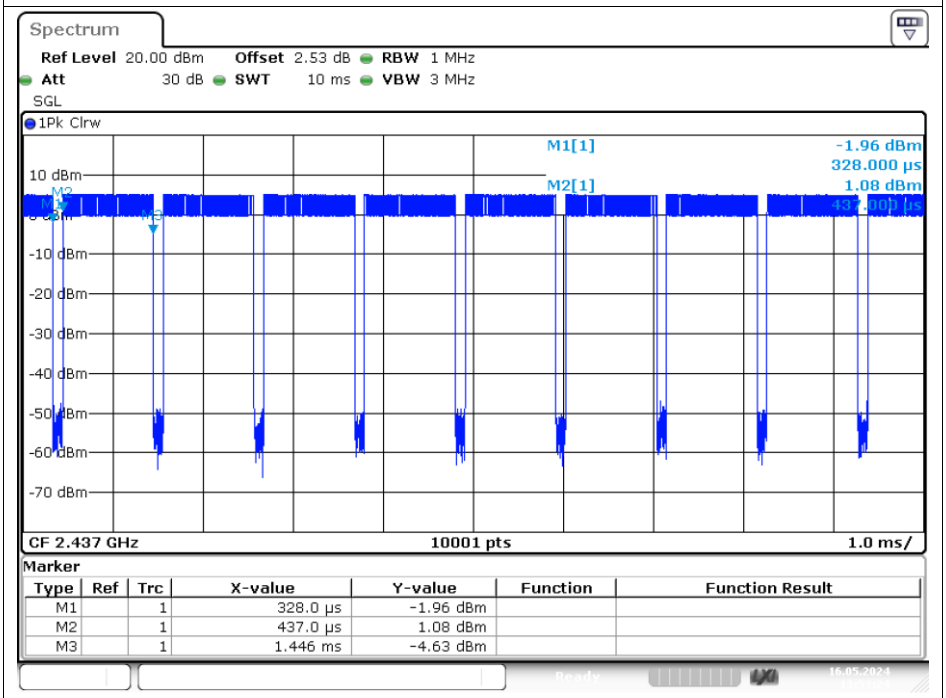
Test Graphs

Duty Cycle NVNT b 2412MHz Ant1



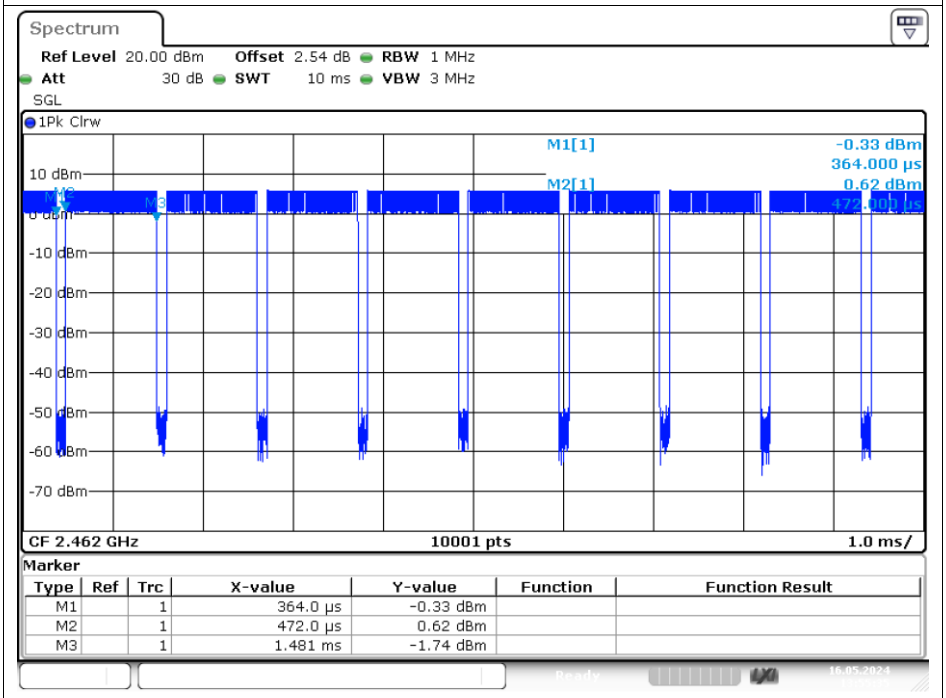
Date: 16.MAY.2024 13:53:48

Duty Cycle NVNT b 2437MHz Ant1



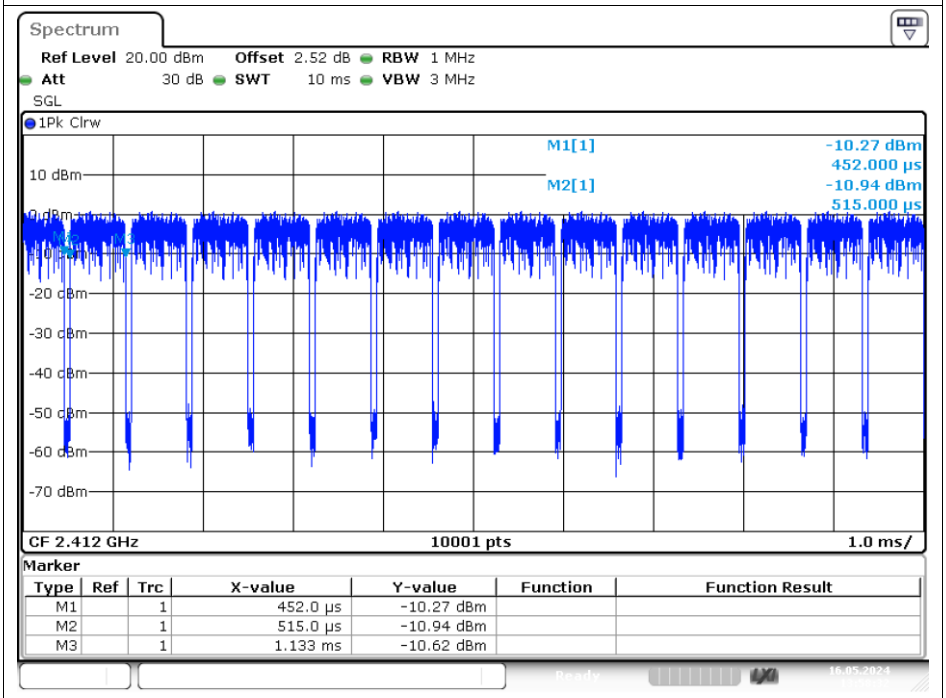
Date: 16.MAY.2024 13:53:24

Duty Cycle NVNT b 2462MHz Ant1



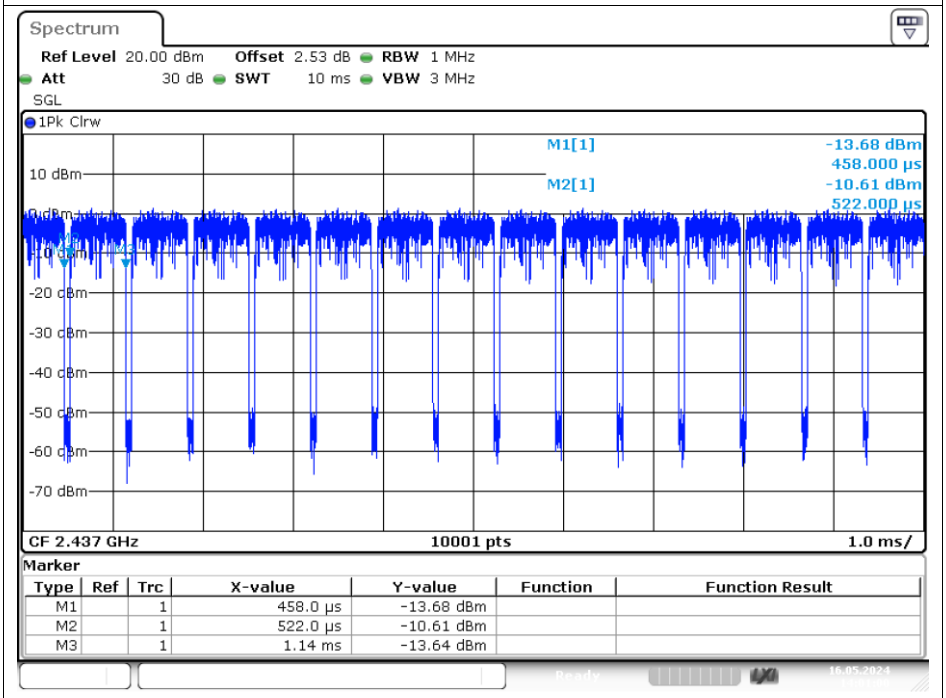
Date: 16.MAY.2024 13:55:35

Duty Cycle NVNT g 2412MHz Ant1



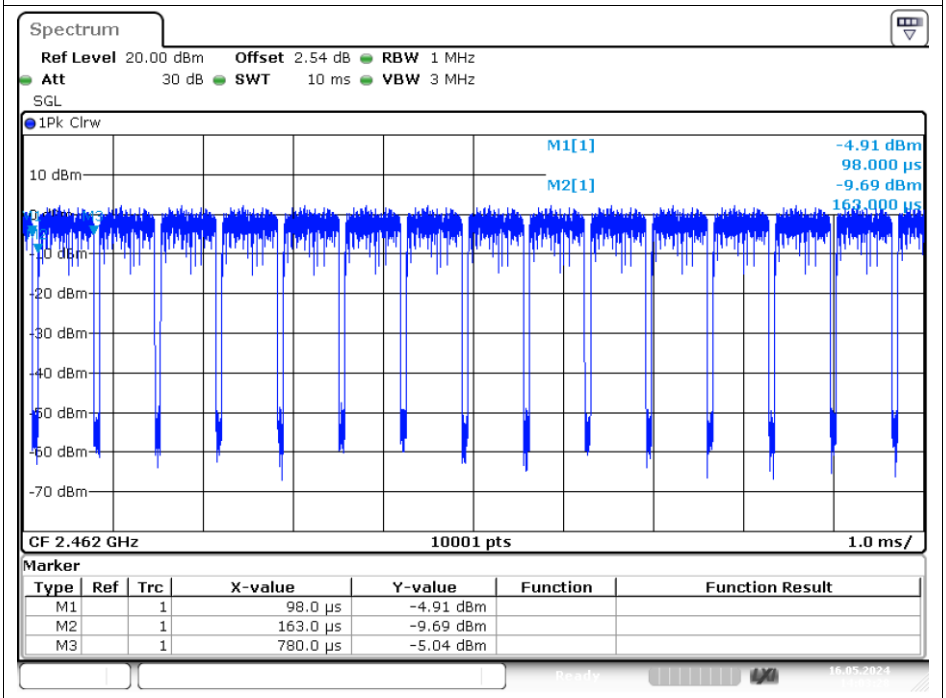
Date: 16.MAY.2024 13:58:32

Duty Cycle NVNT g 2437MHz Ant1



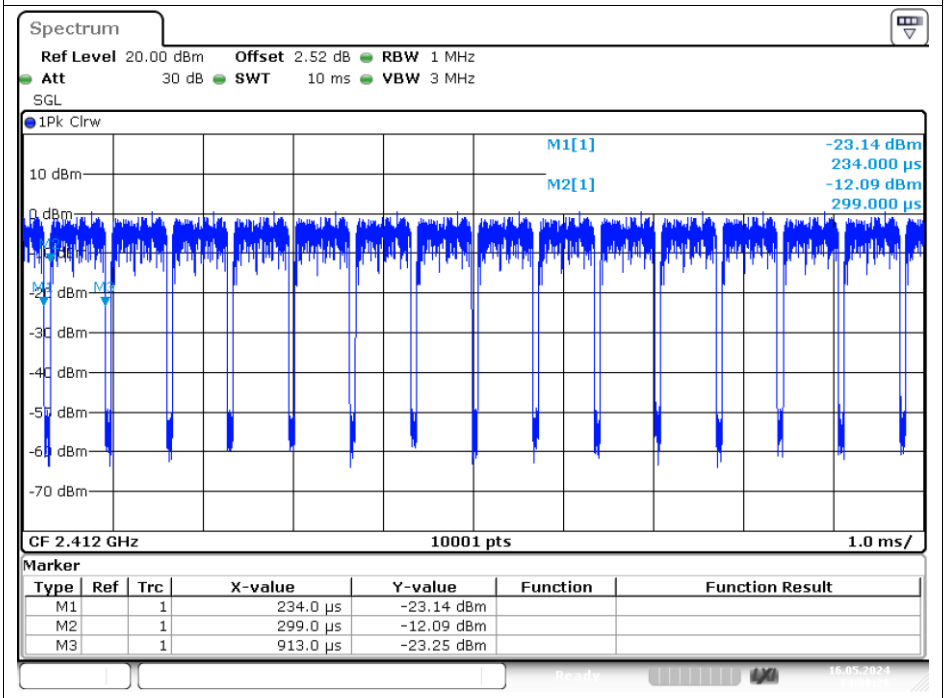
Date: 16.MAY.2024 14:00:59

Duty Cycle NVNT g 2462MHz Ant1



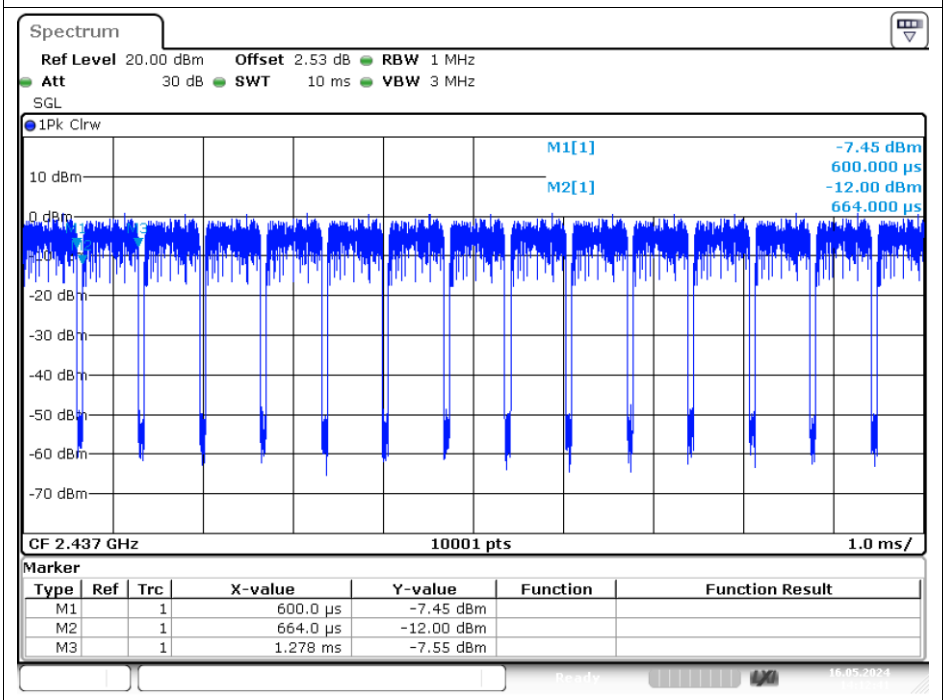
Date: 16.MAY.2024 14:03:28

Duty Cycle NVNT n20 2412MHz Ant1



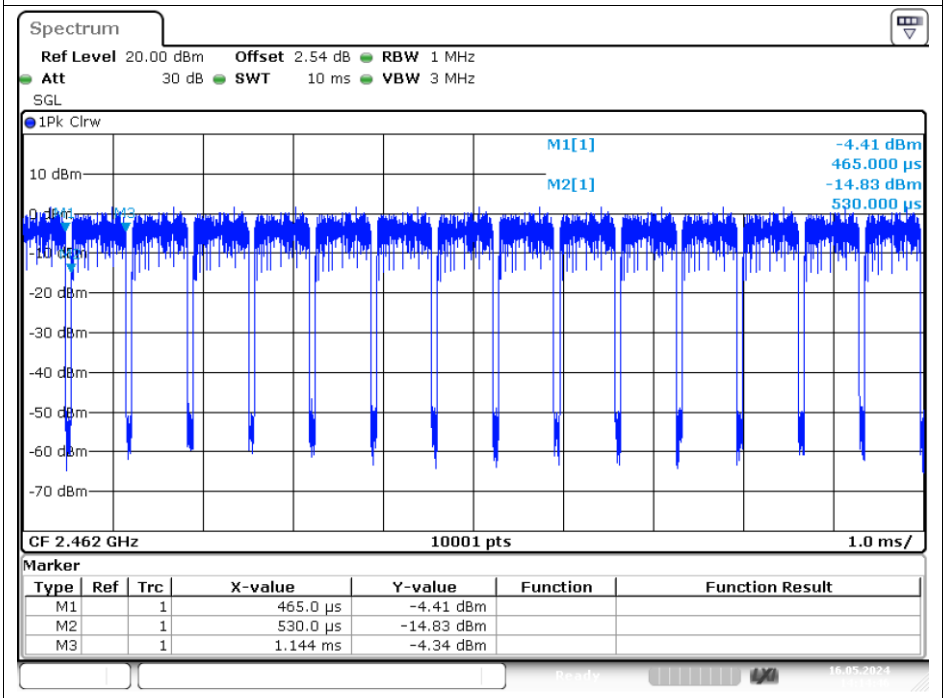
Date: 16.MAY.2024 14:09:28

Duty Cycle NVNT n20 2437MHz Ant1



Date: 16.MAY.2024 14:12:42

Duty Cycle NVNT n20 2462MHz Ant1



Date: 16.MAY.2024 14:14:46

Maximum Conducted Output Power

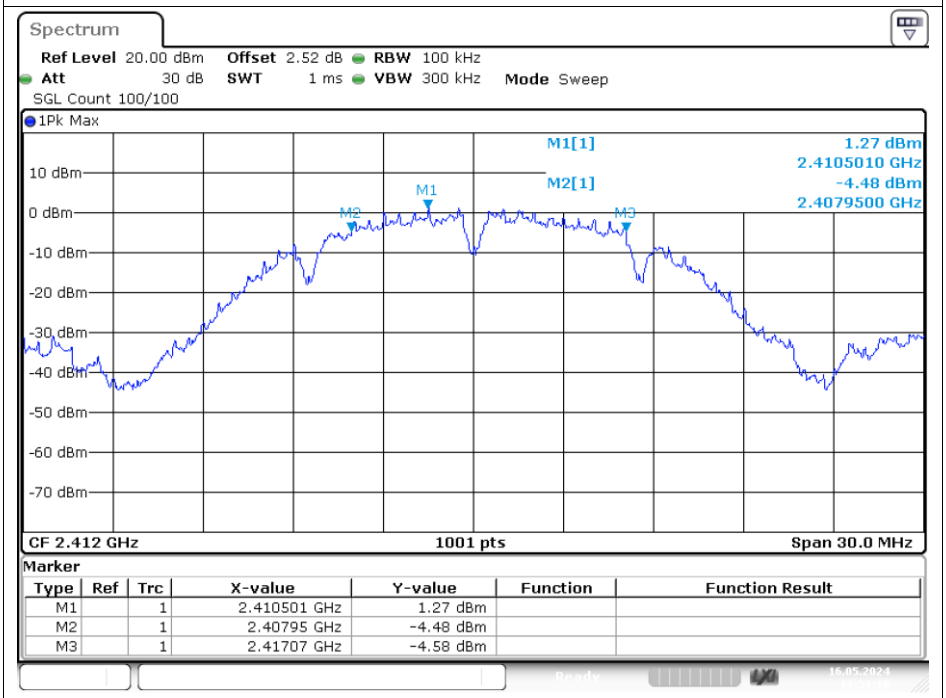
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.24	30	Pass
NVNT	b	2437	Ant1	13.43	30	Pass
NVNT	b	2462	Ant1	12.06	30	Pass
NVNT	g	2412	Ant1	13.94	30	Pass
NVNT	g	2437	Ant1	13.12	30	Pass
NVNT	g	2462	Ant1	10.91	30	Pass
NVNT	n20	2412	Ant1	13.19	30	Pass
NVNT	n20	2437	Ant1	12.14	30	Pass
NVNT	n20	2462	Ant1	10.27	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.12	0.5	Pass
NVNT	b	2437	Ant1	9.57	0.5	Pass
NVNT	b	2462	Ant1	9.57	0.5	Pass
NVNT	g	2412	Ant1	16.32	0.5	Pass
NVNT	g	2437	Ant1	16.34	0.5	Pass
NVNT	g	2462	Ant1	16.34	0.5	Pass
NVNT	n20	2412	Ant1	17.04	0.5	Pass
NVNT	n20	2437	Ant1	17.57	0.5	Pass
NVNT	n20	2462	Ant1	17.57	0.5	Pass

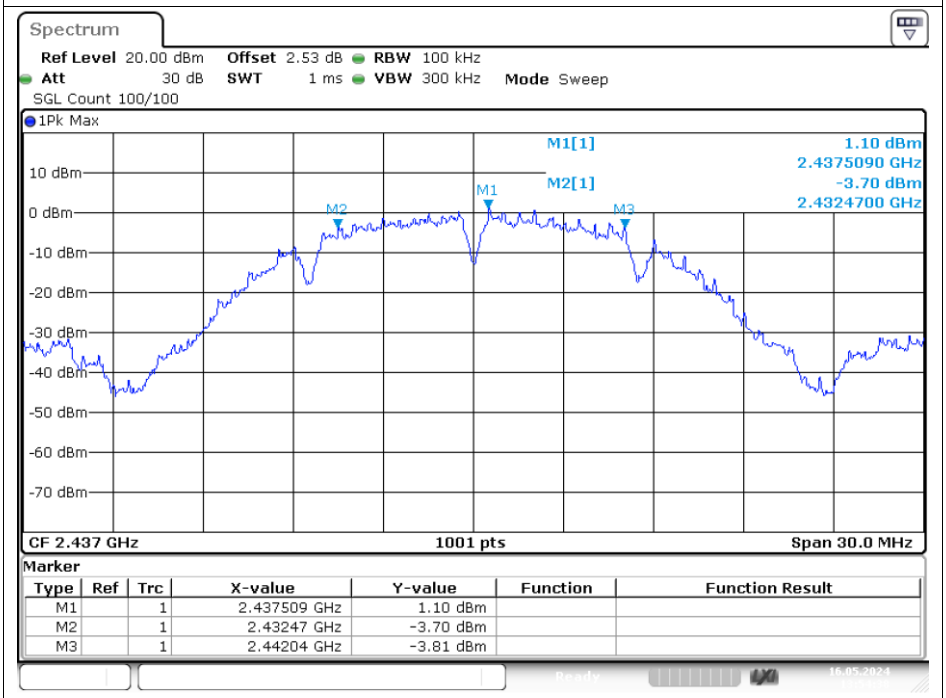
Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



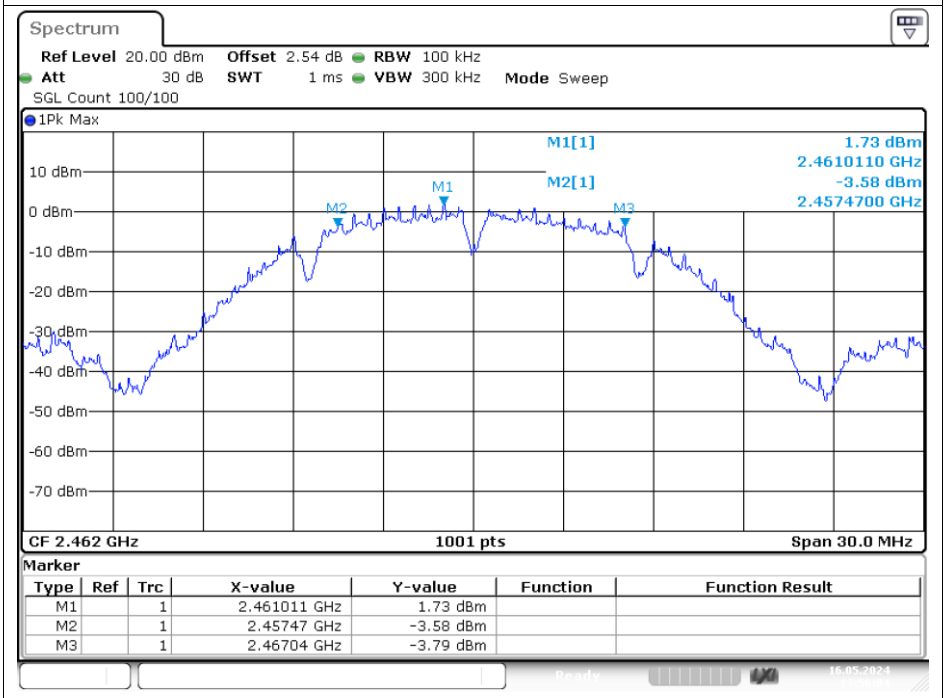
Date: 16.MAY.2024 13:51:16

-6dB Bandwidth NVNT b 2437MHz Ant1



Date: 16.MAY.2024 13:54:38

-6dB Bandwidth NVNT b 2462MHz Ant1

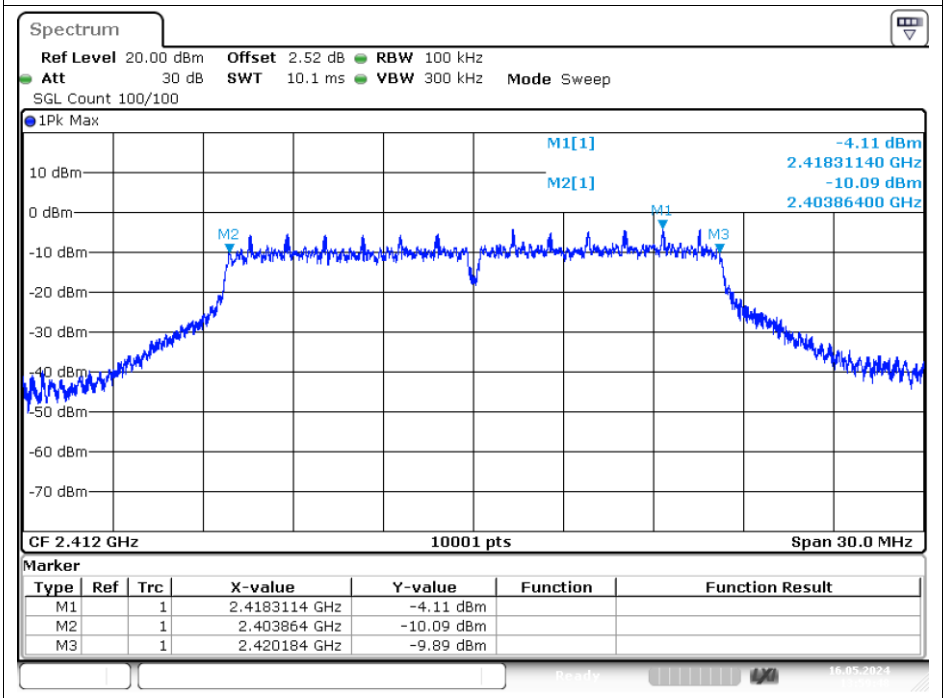


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.461011 GHz	1.73 dBm		
M2		1	2.45747 GHz	-3.58 dBm		
M3		1	2.46704 GHz	-3.79 dBm		

Date: 16.MAY.2024 13:56:05

-6dB Bandwidth NVNT g 2412MHz Ant1

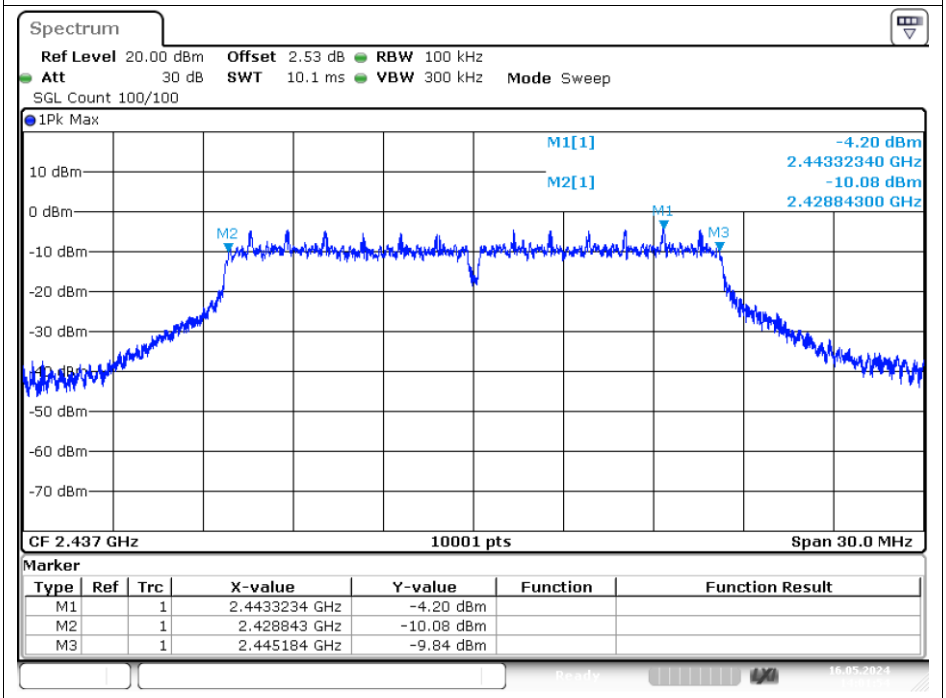


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4183114 GHz	-4.11 dBm		
M2		1	2.403864 GHz	-10.09 dBm		
M3		1	2.420184 GHz	-9.89 dBm		

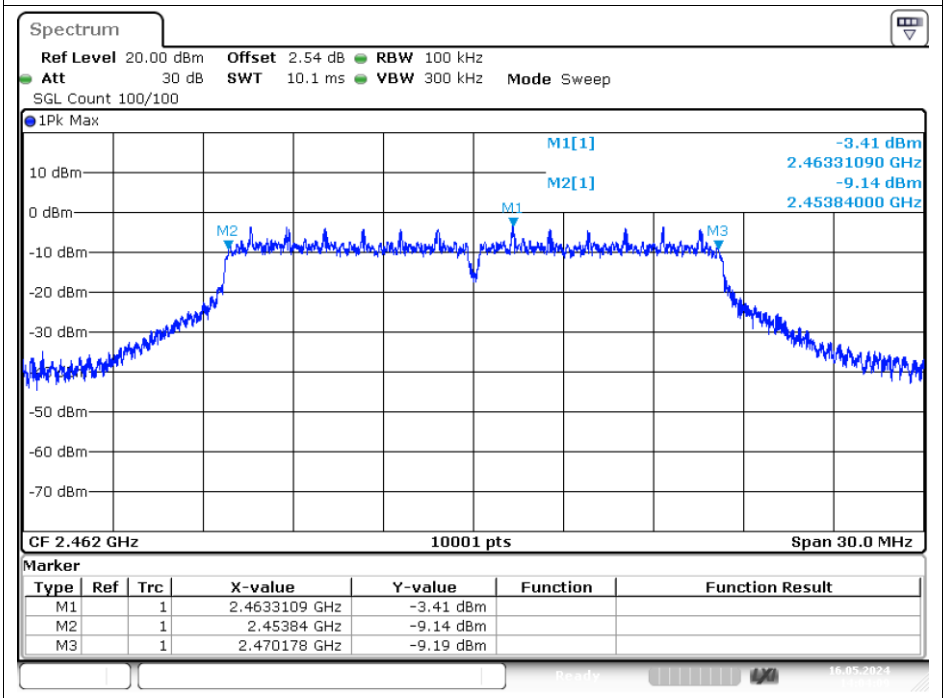
Date: 16.MAY.2024 13:59:48

-6dB Bandwidth NVNT g 2437MHz Ant1



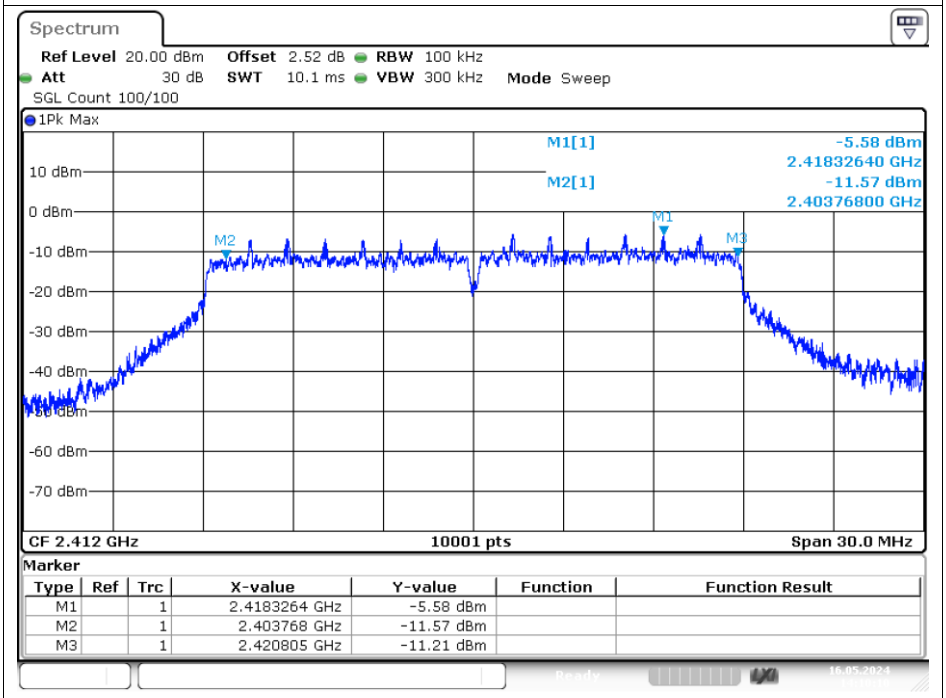
Date: 16.MAY.2024 14:01:55

-6dB Bandwidth NVNT g 2462MHz Ant1



Date: 16.MAY.2024 14:04:09

-6dB Bandwidth NVNT n20 2412MHz Ant1

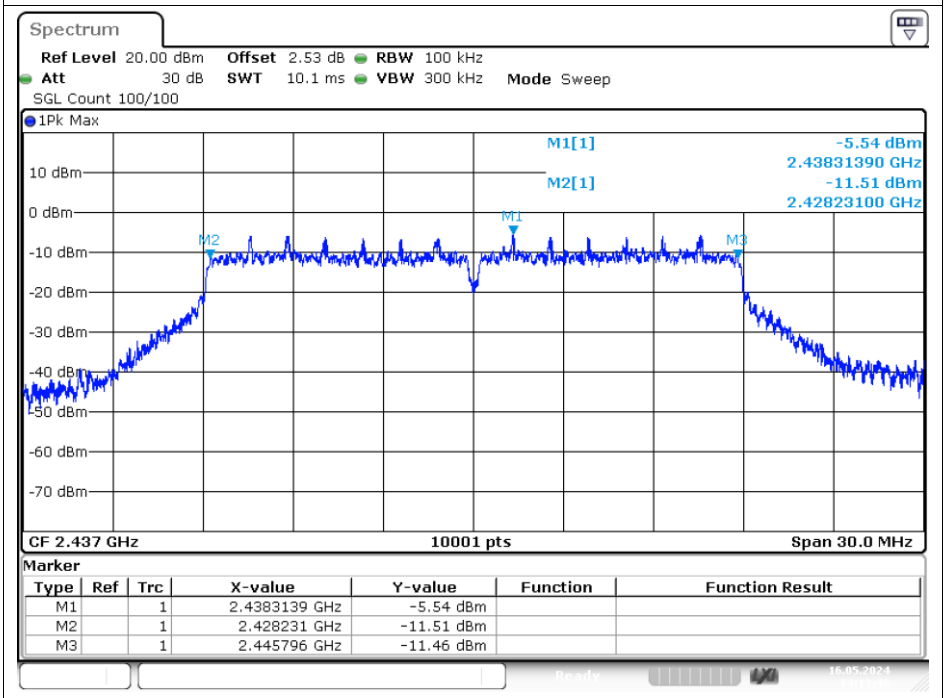


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4183264 GHz	-5.58 dBm		
M2		1	2.403768 GHz	-11.57 dBm		
M3		1	2.420805 GHz	-11.21 dBm		

Date: 16.MAY.2024 14:10:10

-6dB Bandwidth NVNT n20 2437MHz Ant1

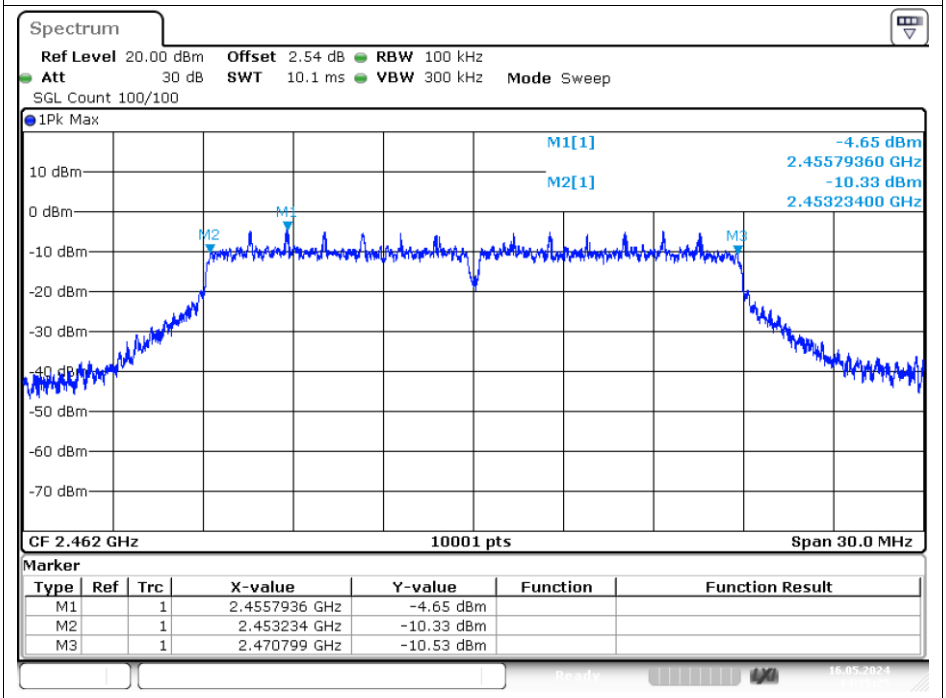


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4383139 GHz	-5.54 dBm		
M2		1	2.428231 GHz	-11.51 dBm		
M3		1	2.445796 GHz	-11.46 dBm		

Date: 16.MAY.2024 14:13:46

-6dB Bandwidth NVNT n20 2462MHz Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4557936 GHz	-4.65 dBm		
M2		1	2.453234 GHz	-10.33 dBm		
M3		1	2.470799 GHz	-10.53 dBm		

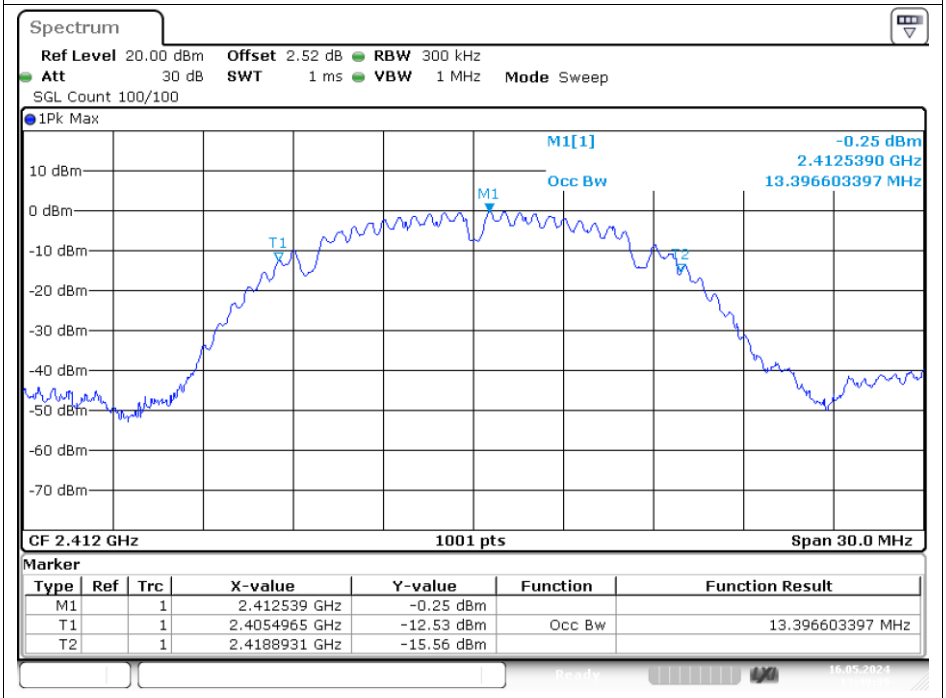
Date: 16.MAY.2024 14:15:24

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.397
NVNT	b	2437	Ant1	14.116
NVNT	b	2462	Ant1	14.056
NVNT	g	2412	Ant1	17.212
NVNT	g	2437	Ant1	17.344
NVNT	g	2462	Ant1	17.257
NVNT	n20	2412	Ant1	18.211
NVNT	n20	2437	Ant1	18.28
NVNT	n20	2462	Ant1	18.244

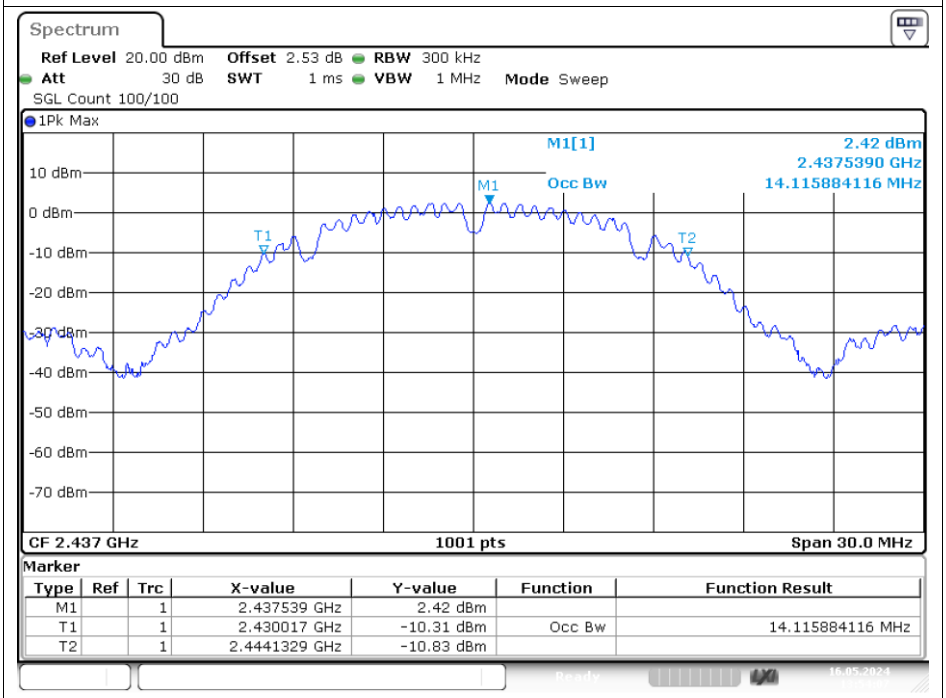
Test Graphs

OBW NVNT b 2412MHz Ant1



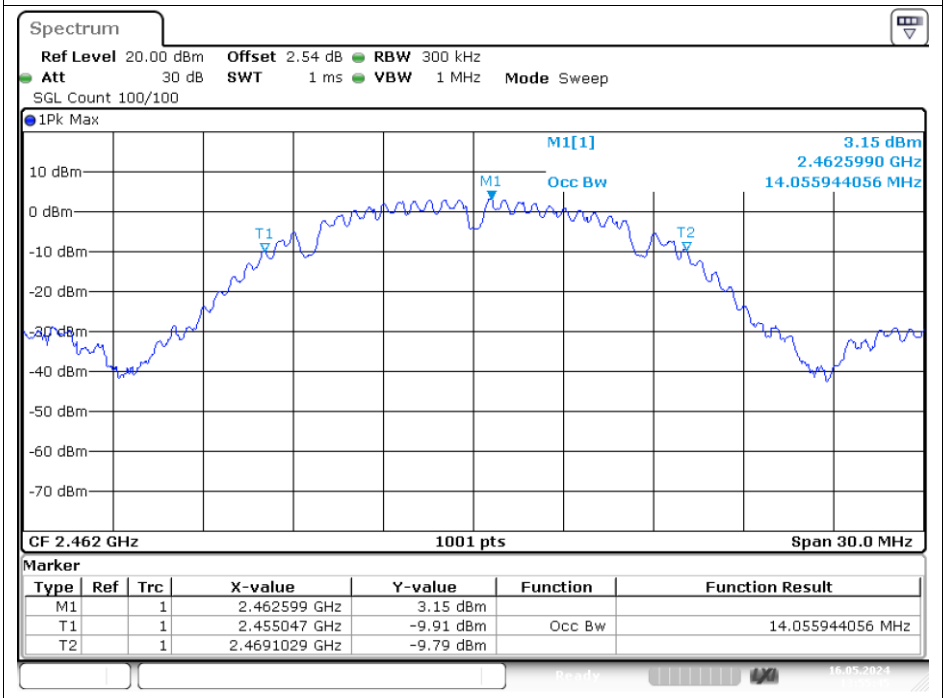
Date: 16.MAY.2024 13:49:39

OBW NVNT b 2437MHz Ant1



Date: 16.MAY.2024 13:54:06

OBW NVNT b 2462MHz Ant1

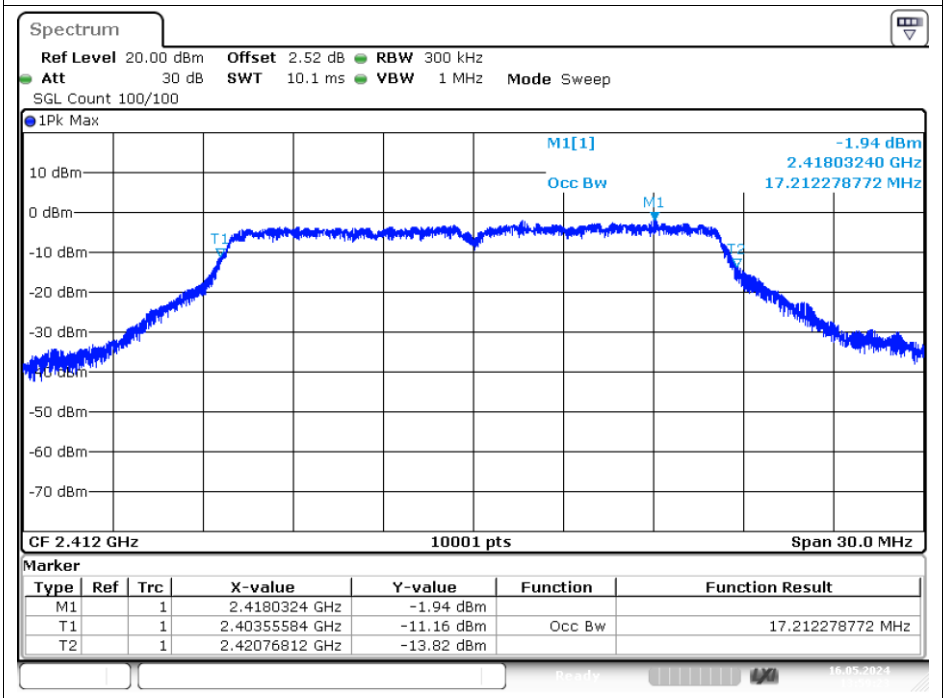


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.462599 GHz	3.15 dBm		
T1		1	2.455047 GHz	-9.91 dBm	Occ Bw	14.055944056 MHz
T2		1	2.4691029 GHz	-9.79 dBm		

Date: 16.MAY.2024 13:55:46

OBW NVNT g 2412MHz Ant1

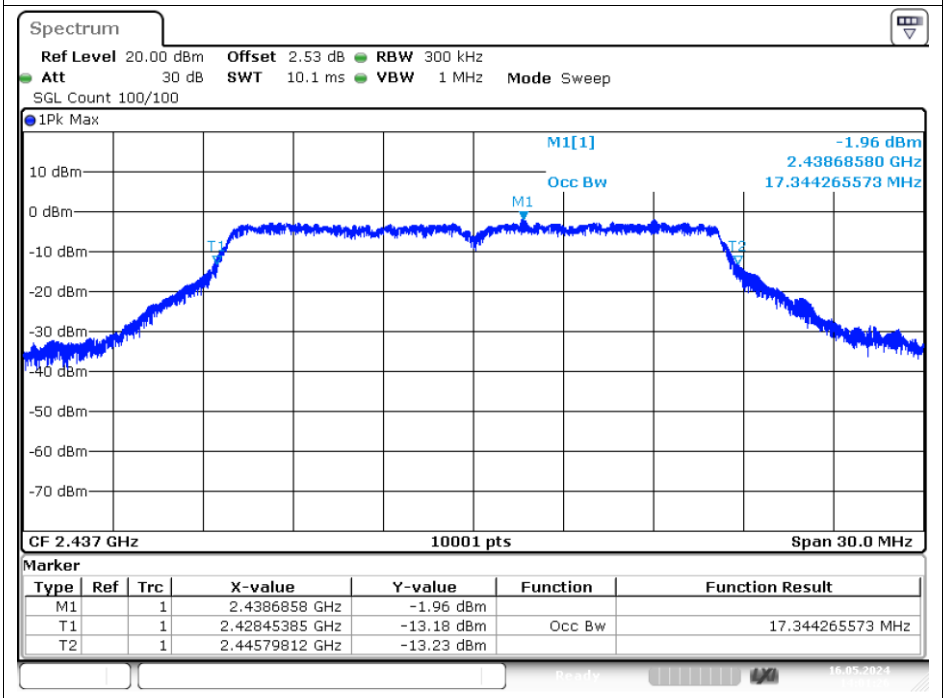


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4180324 GHz	-1.94 dBm		
T1		1	2.40355584 GHz	-11.16 dBm	Occ Bw	17.212278772 MHz
T2		1	2.42076812 GHz	-13.82 dBm		

Date: 16.MAY.2024 13:59:23

OBW NVNT g 2437MHz Ant1

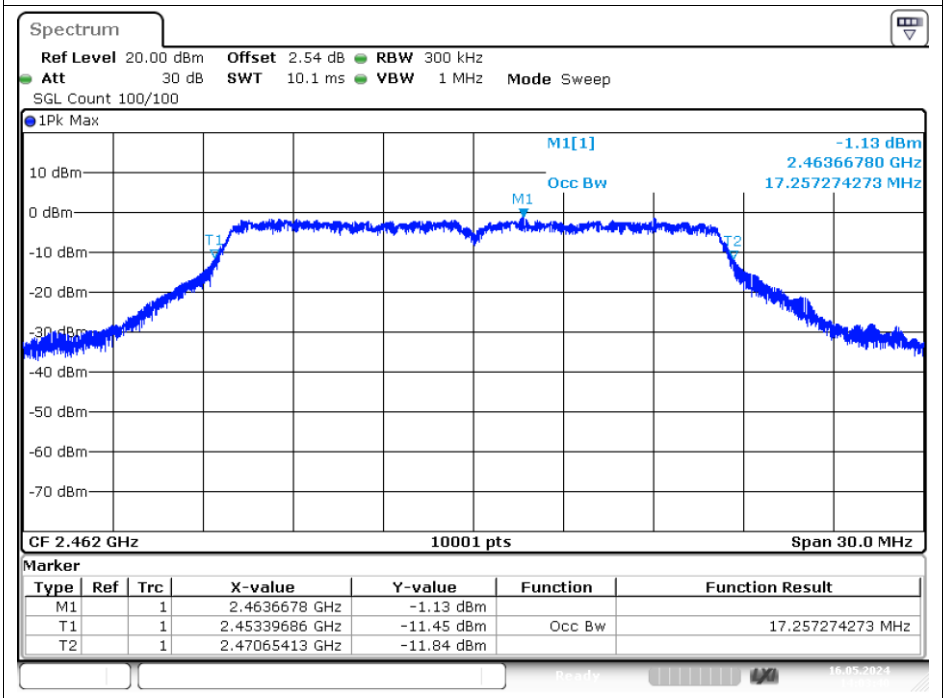


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4386858 GHz	-1.96 dBm		
T1		1	2.42845385 GHz	-13.18 dBm	Occ Bw	17.344265573 MHz
T2		1	2.44579812 GHz	-13.23 dBm		

Date: 16.MAY.2024 14:01:26

OBW NVNT g 2462MHz Ant1

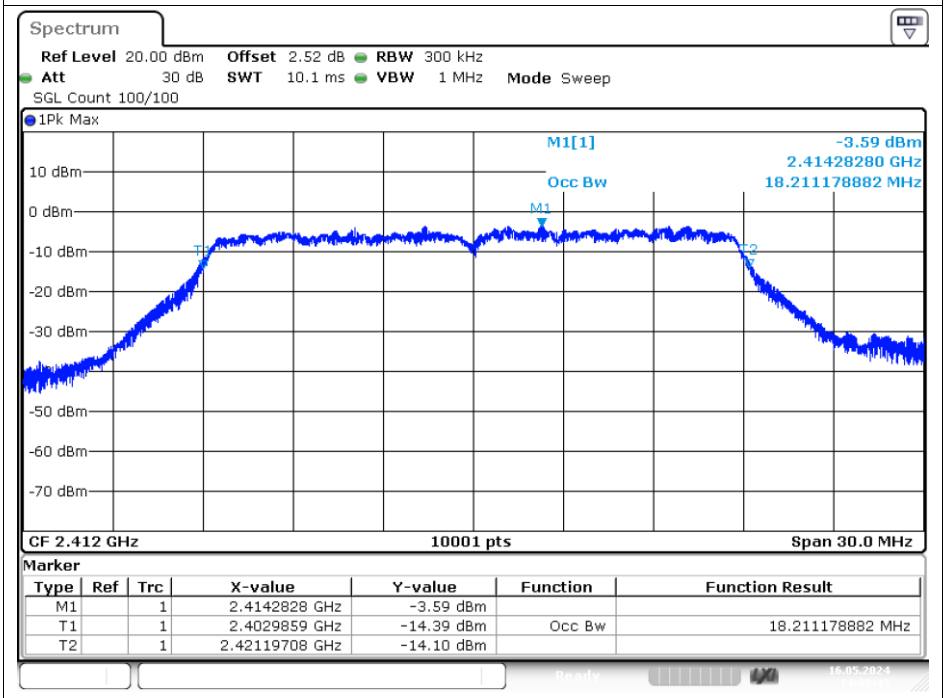


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4636678 GHz	-1.13 dBm		
T1		1	2.45339686 GHz	-11.45 dBm	Occ Bw	17.257274273 MHz
T2		1	2.47065413 GHz	-11.84 dBm		

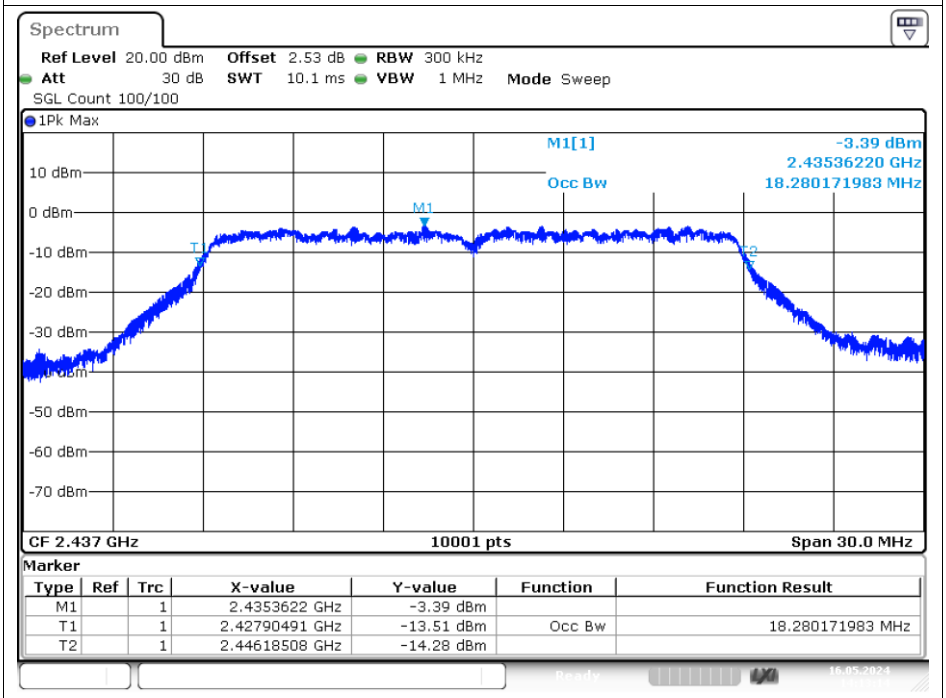
Date: 16.MAY.2024 14:03:40

OBW NVNT n20 2412MHz Ant1



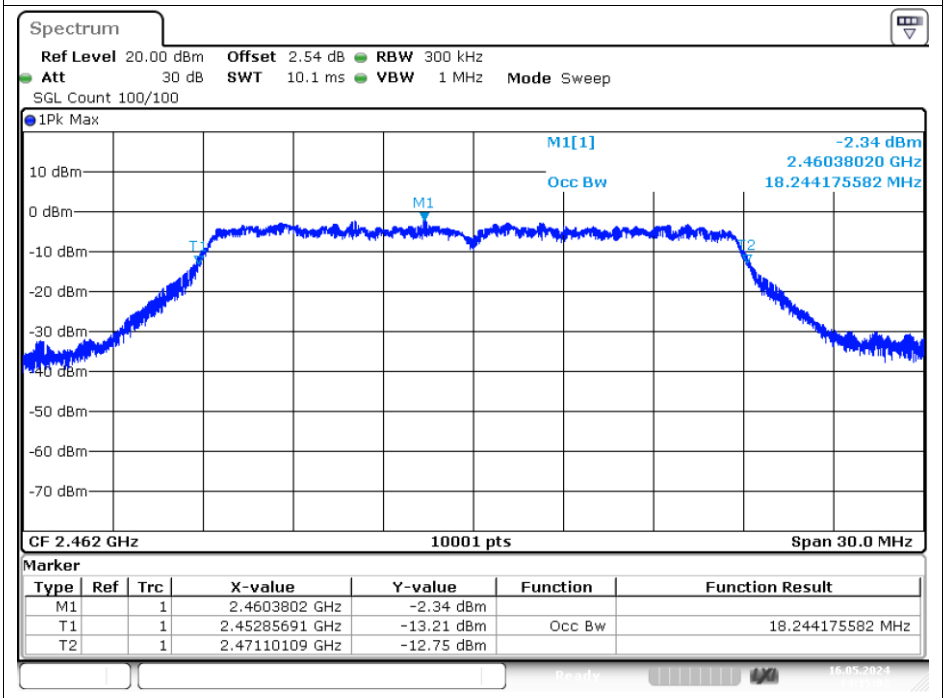
Date: 16.MAY.2024 14:09:43

OBW NVNT n20 2437MHz Ant1



Date: 16.MAY.2024 14:13:14

OBW NVNT n20 2462MHz Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4603802 GHz	-2.34 dBm		
T1		1	2.45285691 GHz	-13.21 dBm	Occ Bw	18.244175582 MHz
T2		1	2.47110109 GHz	-12.75 dBm		

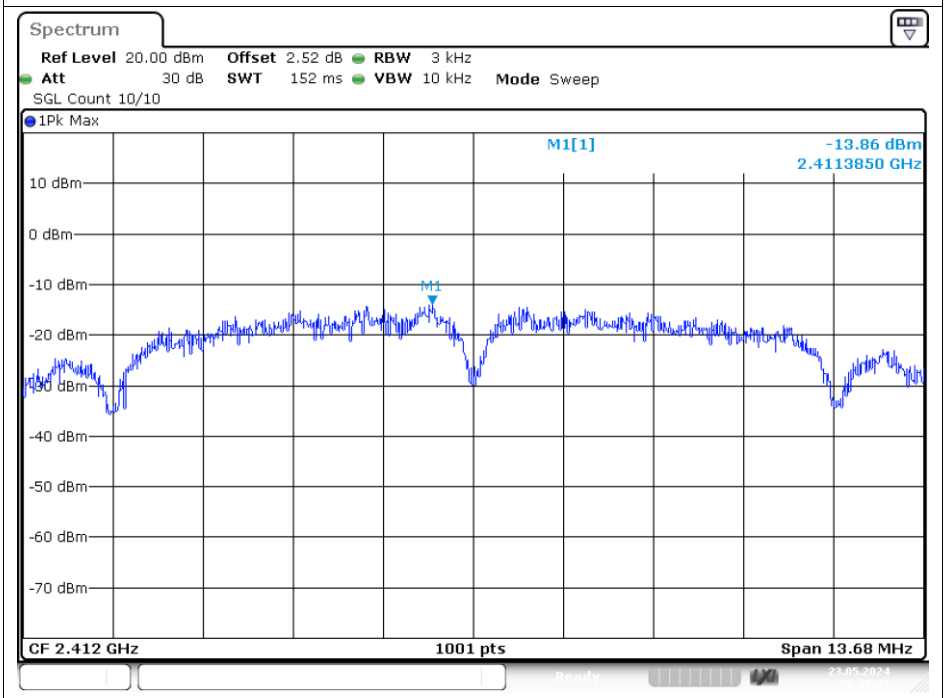
Date: 16.MAY.2024 14:15:02

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-13.86	8	Pass
NVNT	b	2437	Ant1	-14.39	8	Pass
NVNT	b	2462	Ant1	-15.77	8	Pass
NVNT	g	2412	Ant1	-19.26	8	Pass
NVNT	g	2437	Ant1	-20.5	8	Pass
NVNT	g	2462	Ant1	-22.7	8	Pass
NVNT	n20	2412	Ant1	-19.85	8	Pass
NVNT	n20	2437	Ant1	-21.03	8	Pass
NVNT	n20	2462	Ant1	-22.95	8	Pass

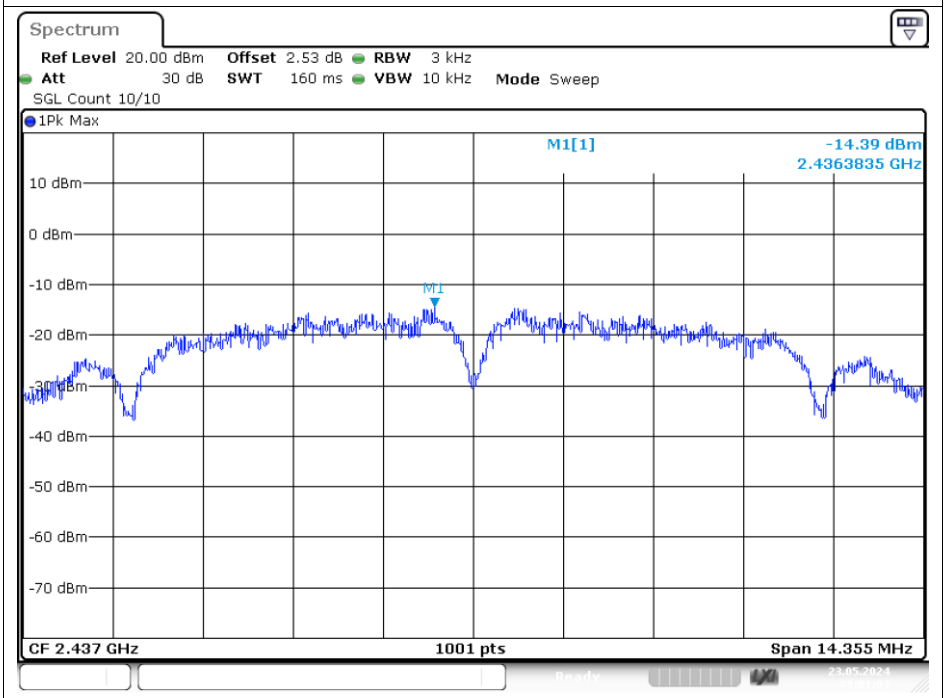
Test Graphs

PSD NVNT b 2412MHz Ant1



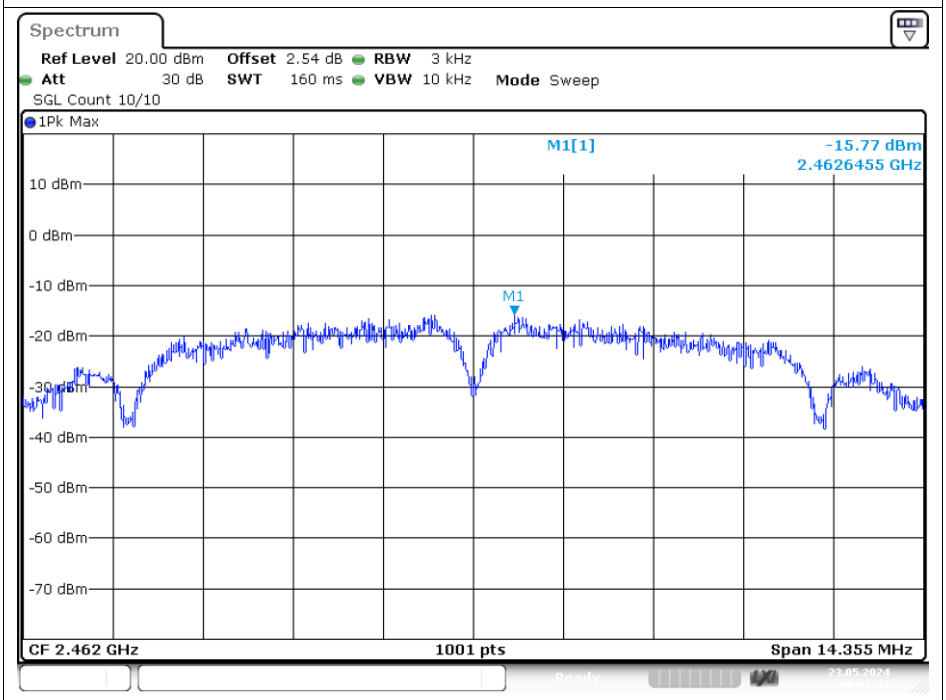
Date: 23.MAY.2024 08:00:31

PSD NVNT b 2437MHz Ant1



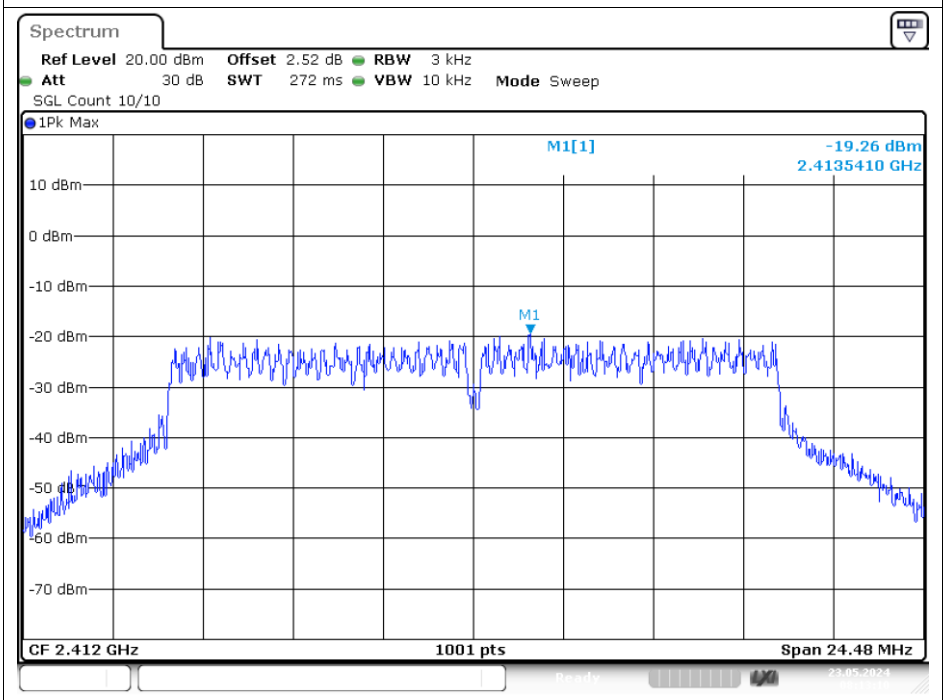
Date: 23.MAY.2024 08:01:03

PSD NVNT b 2462MHz Ant1



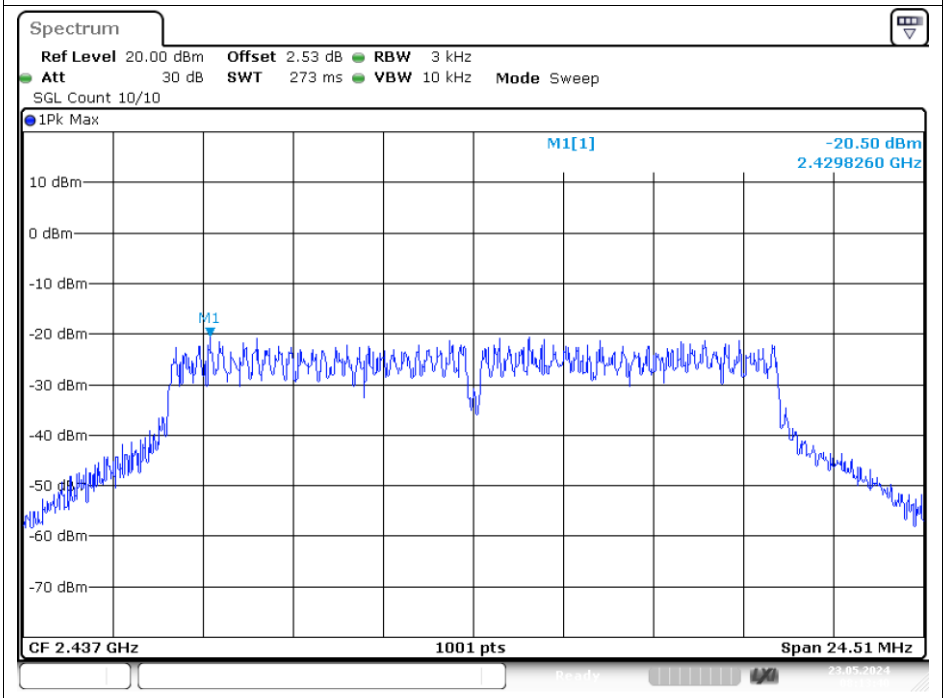
Date: 23.MAY.2024 08:01:33

PSD NVNT g 2412MHz Ant1



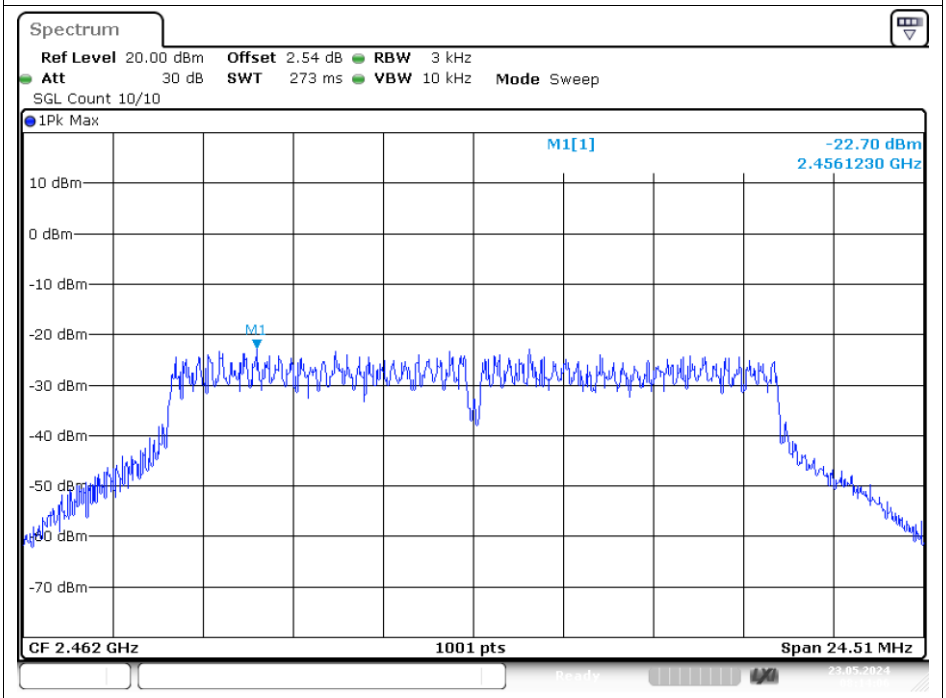
Date: 23.MAY.2024 08:13:09

PSD NVNT g 2437MHz Ant1



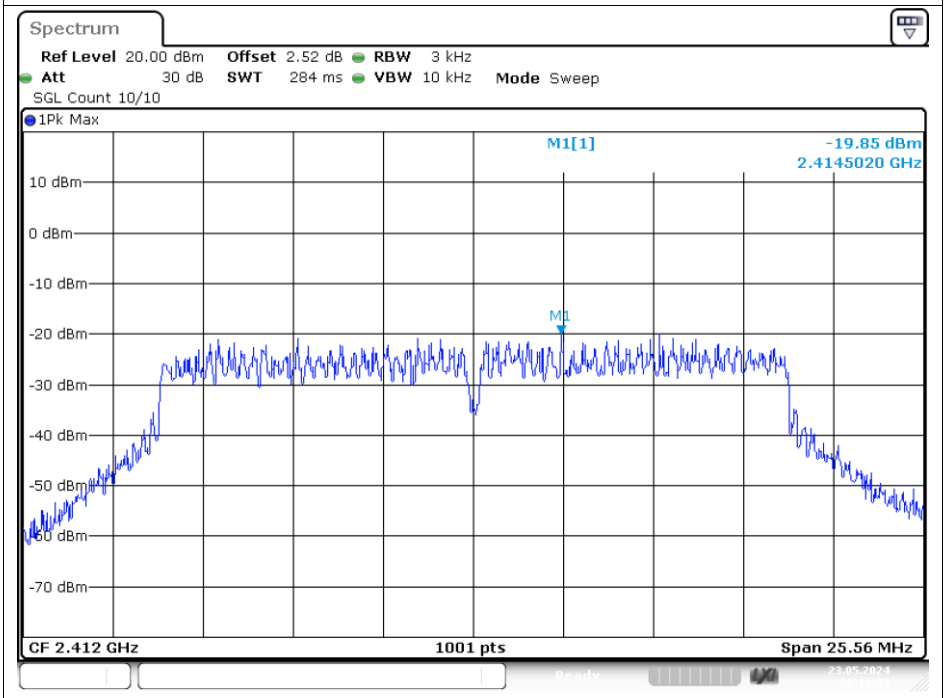
Date: 23.MAY.2024 08:13:40

PSD NVNT g 2462MHz Ant1



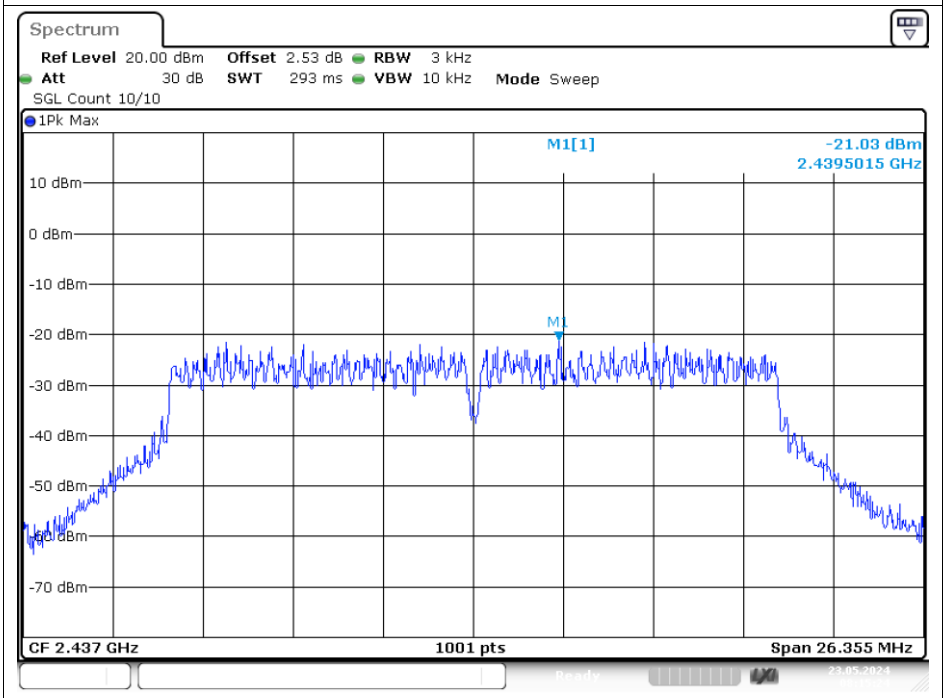
Date: 23.MAY.2024 08:14:07

PSD NVNT n20 2412MHz Ant1



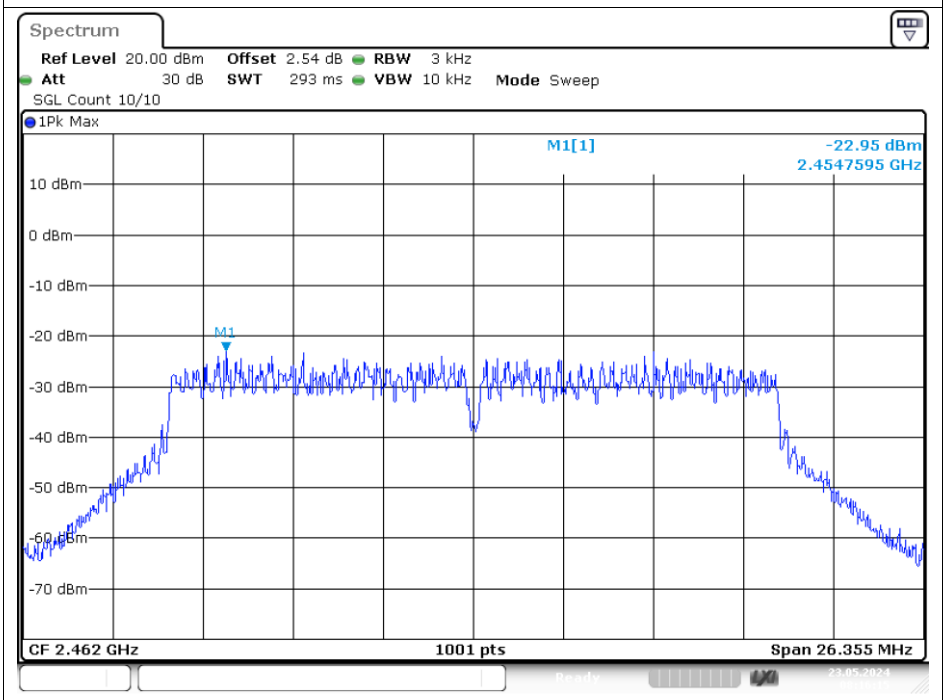
Date: 23.MAY.2024 08:14:58

PSD NVNT n20 2437MHz Ant1



Date: 23.MAY.2024 08:15:24

PSD NVNT n20 2462MHz Ant1

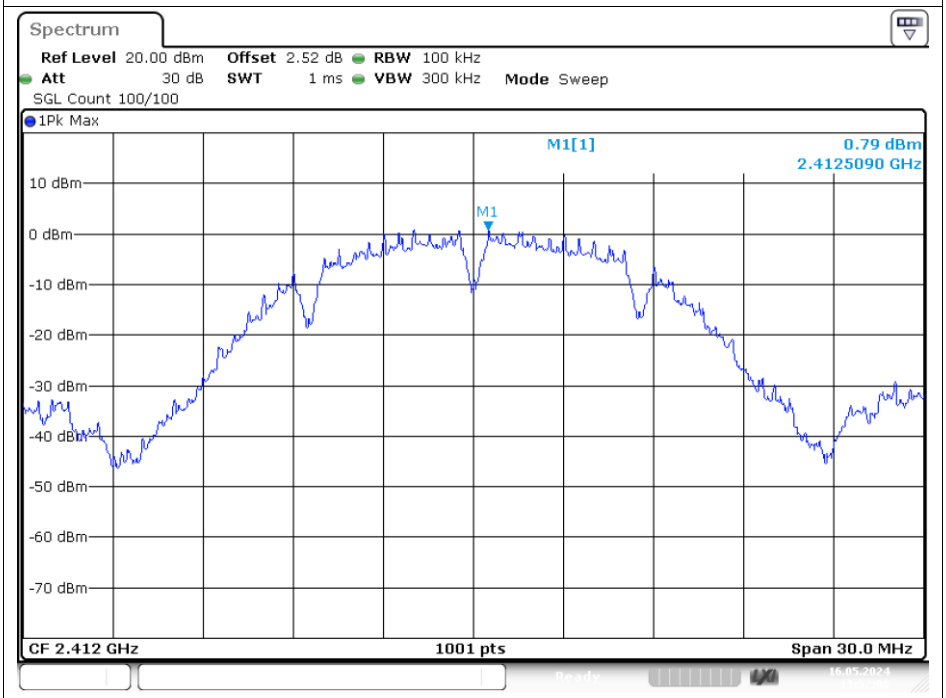


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-32.29	-20	Pass
NVNT	b	2462	Ant1	-47	-20	Pass
NVNT	g	2412	Ant1	-35.59	-20	Pass
NVNT	g	2462	Ant1	-43.02	-20	Pass
NVNT	n20	2412	Ant1	-36.4	-20	Pass
NVNT	n20	2462	Ant1	-41.13	-20	Pass

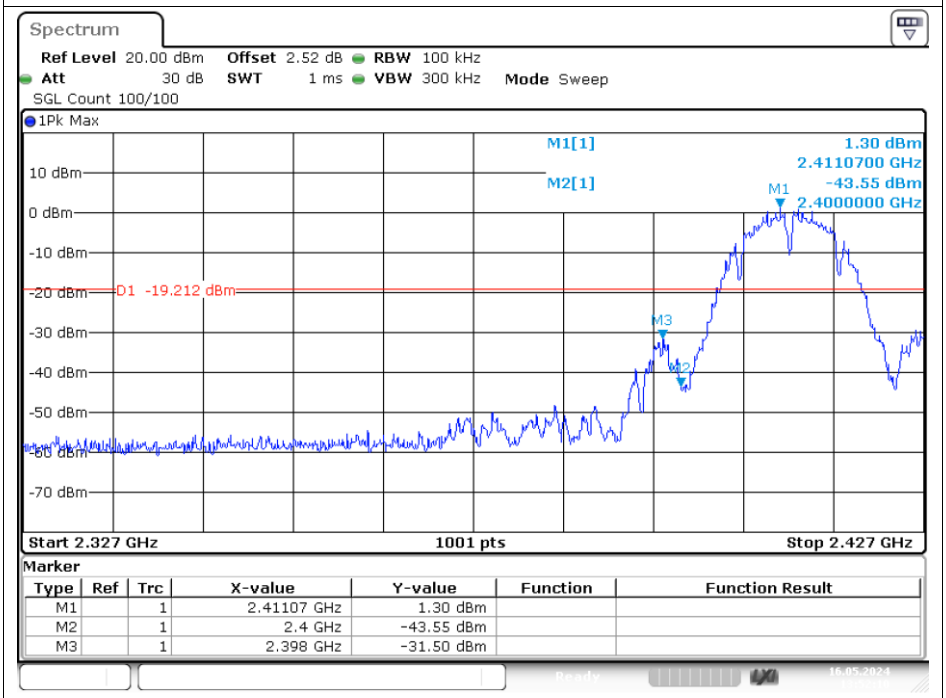
Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Date: 16.MAY.2024 13:52:06

Band Edge NVNT b 2412MHz Ant1 Emission

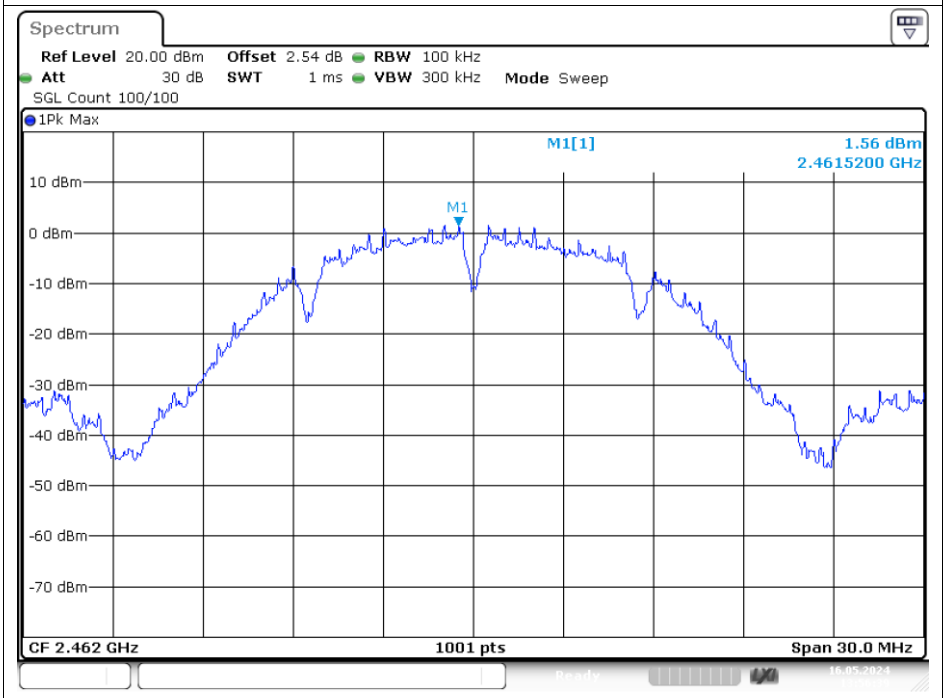


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41107 GHz	1.30 dBm		
M2		1	2.4 GHz	-43.55 dBm		
M3		1	2.398 GHz	-31.50 dBm		

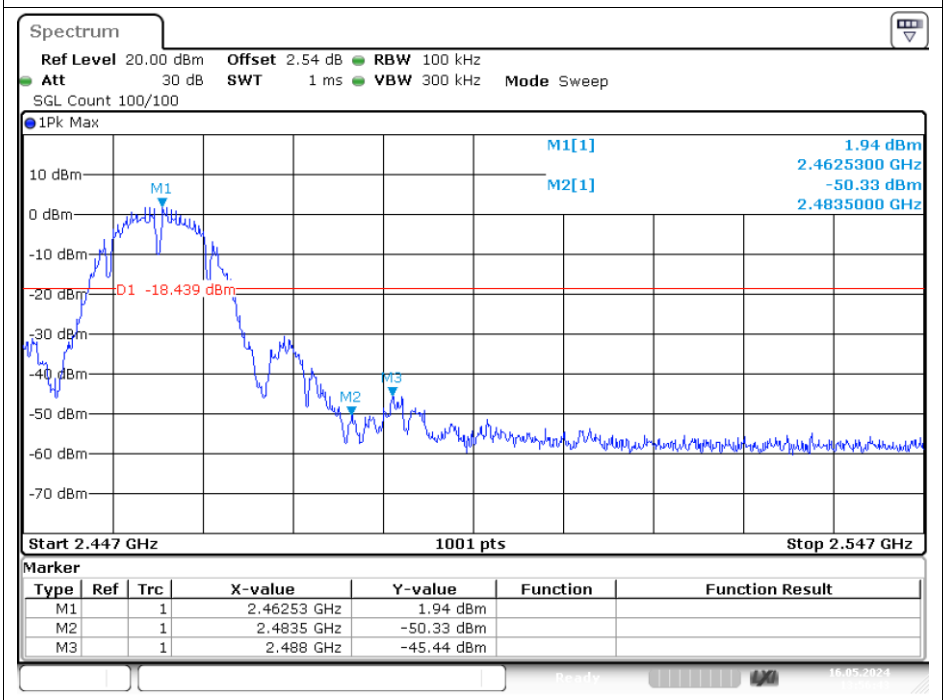
Date: 16.MAY.2024 13:52:10

Band Edge NVNT b 2462MHz Ant1 Ref



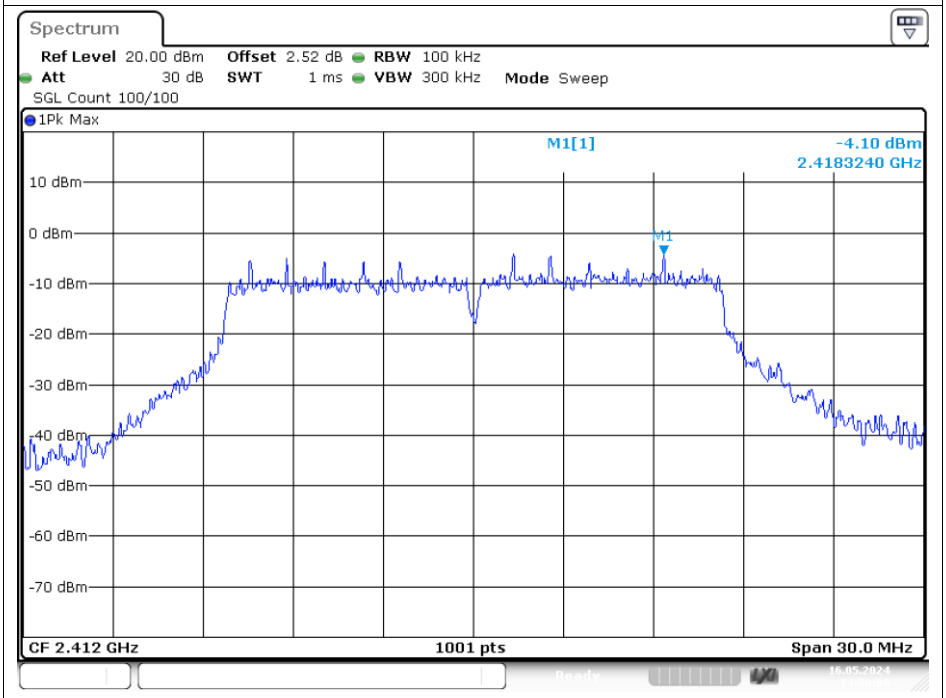
Date: 16.MAY.2024 13:56:39

Band Edge NVNT b 2462MHz Ant1 Emission



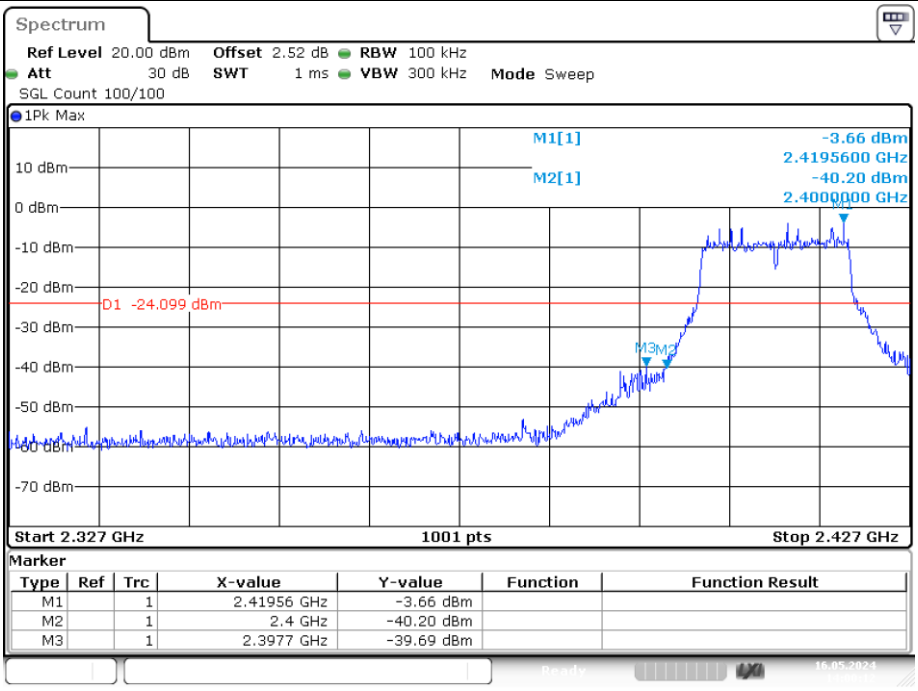
Date: 16.MAY.2024 13:56:42

Band Edge NVNT g 2412MHz Ant1 Ref



Date: 16.MAY.2024 14:00:09

Band Edge NVNT g 2412MHz Ant1 Emission

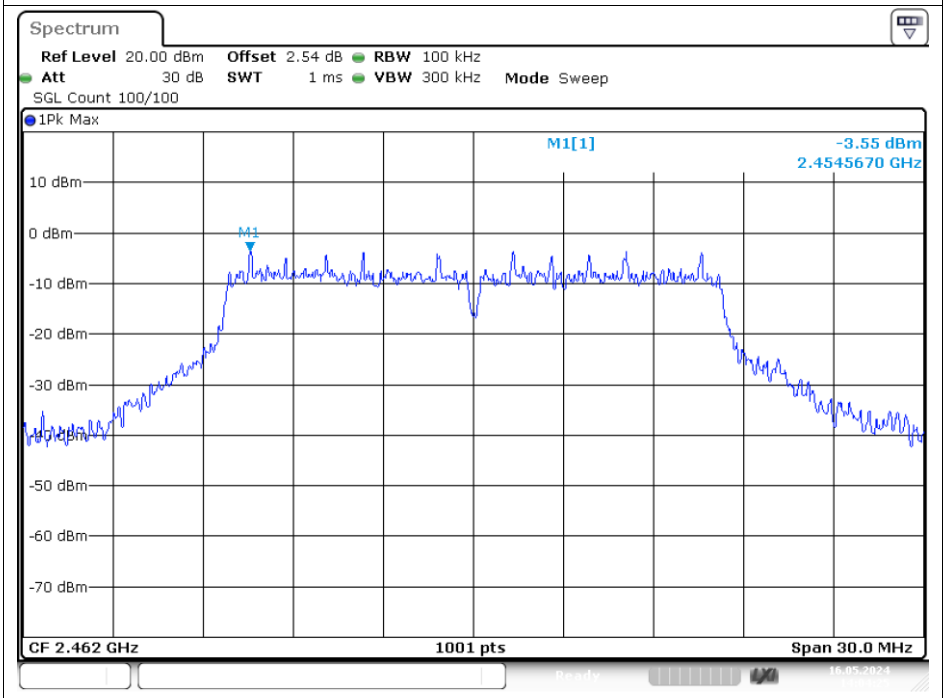


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41956 GHz	-3.66 dBm		
M2		1	2.4 GHz	-40.20 dBm		
M3		1	2.3977 GHz	-39.69 dBm		

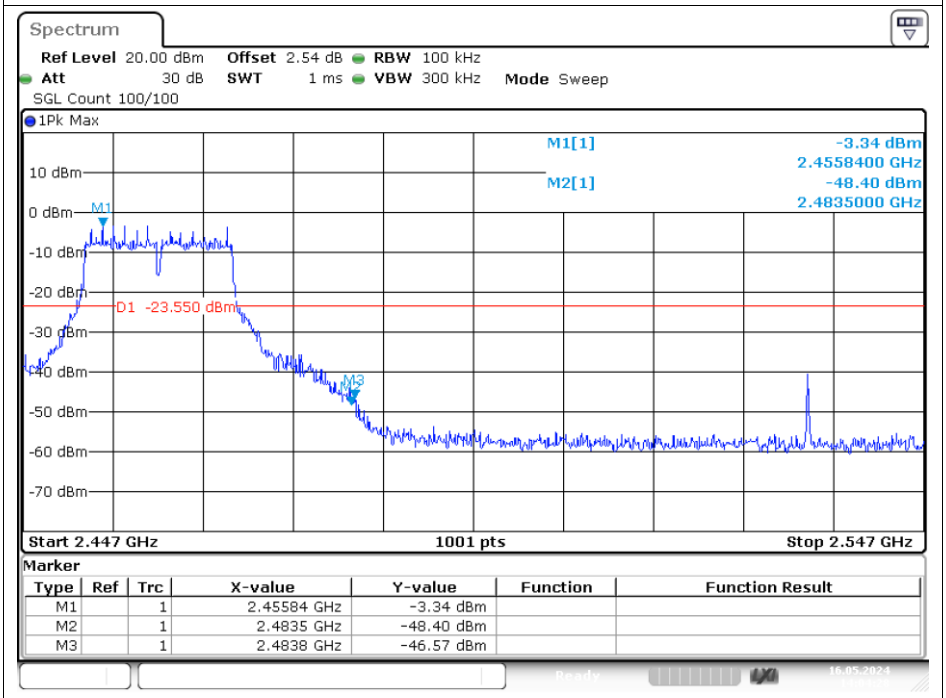
Date: 16.MAY.2024 14:00:13

Band Edge NVNT g 2462MHz Ant1 Ref



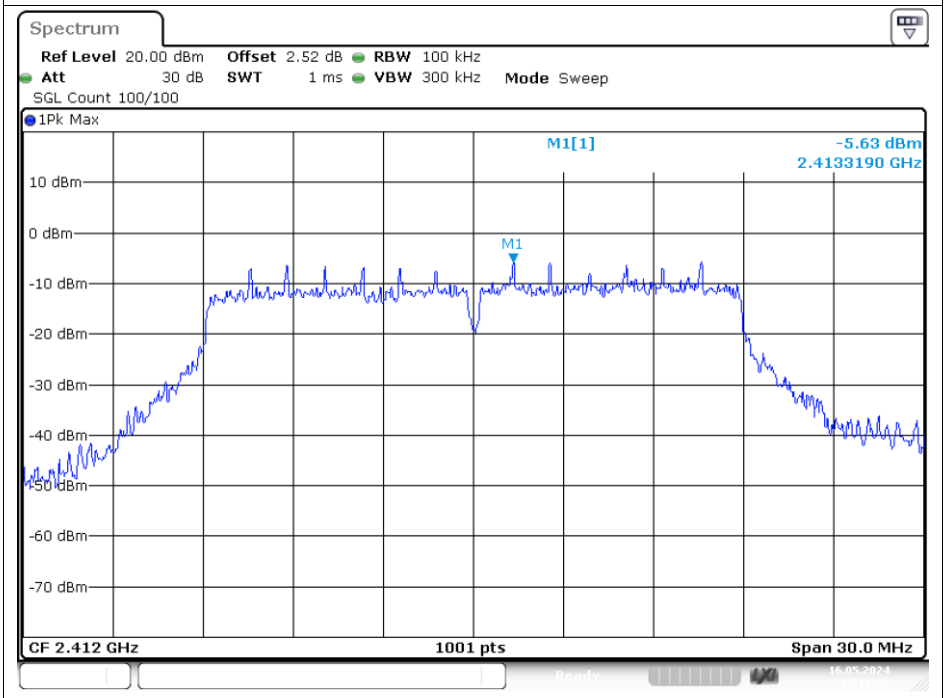
Date: 16.MAY.2024 14:04:25

Band Edge NVNT g 2462MHz Ant1 Emission



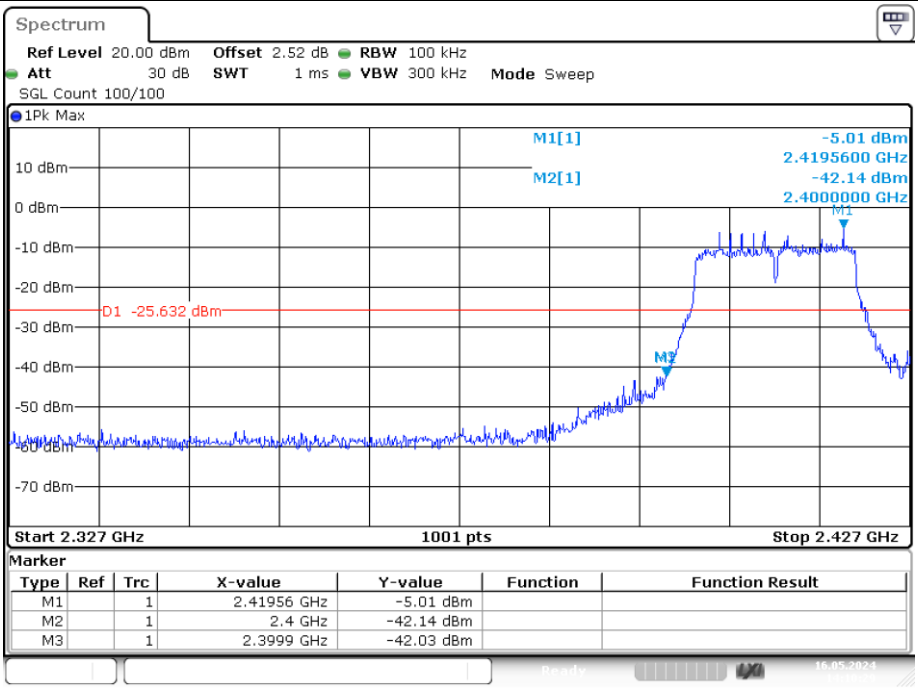
Date: 16.MAY.2024 14:04:28

Band Edge NVNT n20 2412MHz Ant1 Ref



Date: 16.MAY.2024 14:10:25

Band Edge NVNT n20 2412MHz Ant1 Emission

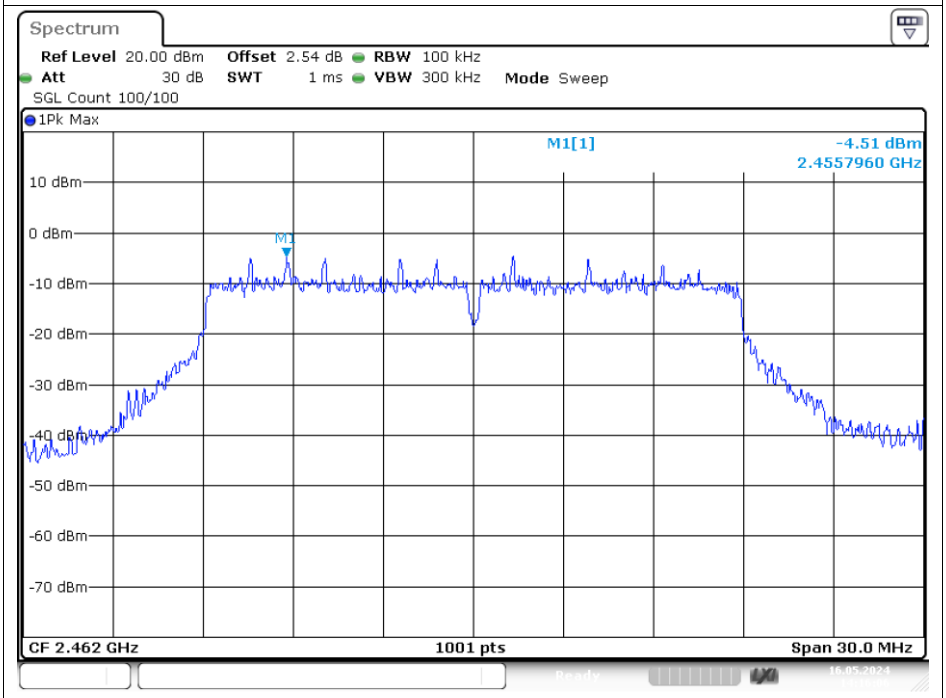


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41956 GHz	-5.01 dBm		
M2		1	2.4 GHz	-42.14 dBm		
M3		1	2.3999 GHz	-42.03 dBm		

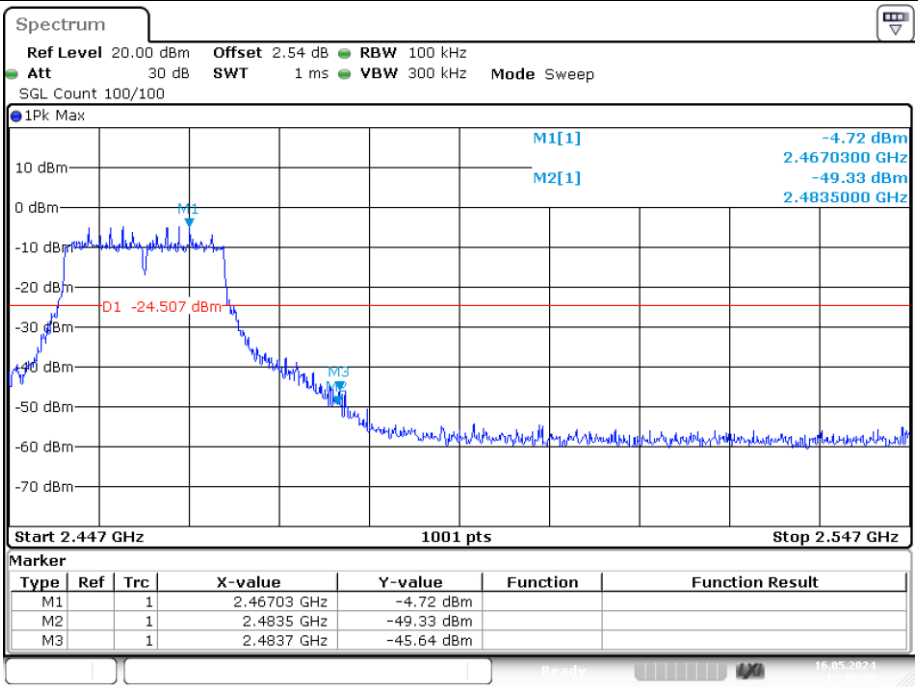
Date: 16.MAY.2024 14:10:29

Band Edge NVNT n20 2462MHz Ant1 Ref



Date: 16.MAY.2024 14:16:06

Band Edge NVNT n20 2462MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46703 GHz	-4.72 dBm		
M2		1	2.4835 GHz	-49.33 dBm		
M3		1	2.4837 GHz	-45.64 dBm		

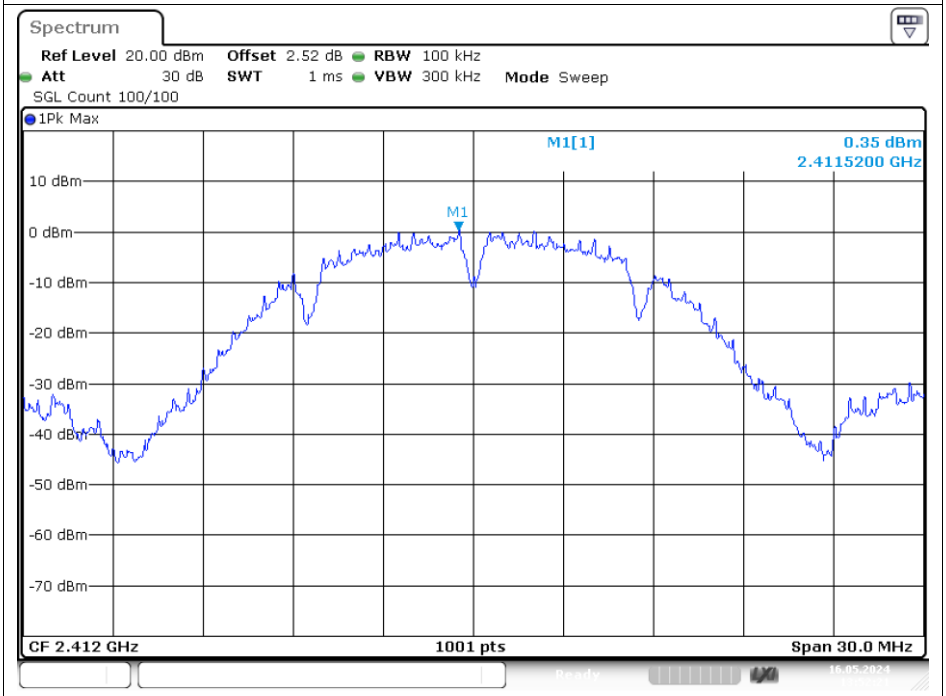
Date: 16.MAY.2024 14:16:09

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.73	-20	Pass
NVNT	b	2437	Ant1	-48.79	-20	Pass
NVNT	b	2462	Ant1	-47.18	-20	Pass
NVNT	g	2412	Ant1	-44.6	-20	Pass
NVNT	g	2437	Ant1	-45.69	-20	Pass
NVNT	g	2462	Ant1	-45.34	-20	Pass
NVNT	n20	2412	Ant1	-43.88	-20	Pass
NVNT	n20	2437	Ant1	-44.42	-20	Pass
NVNT	n20	2462	Ant1	-44.6	-20	Pass

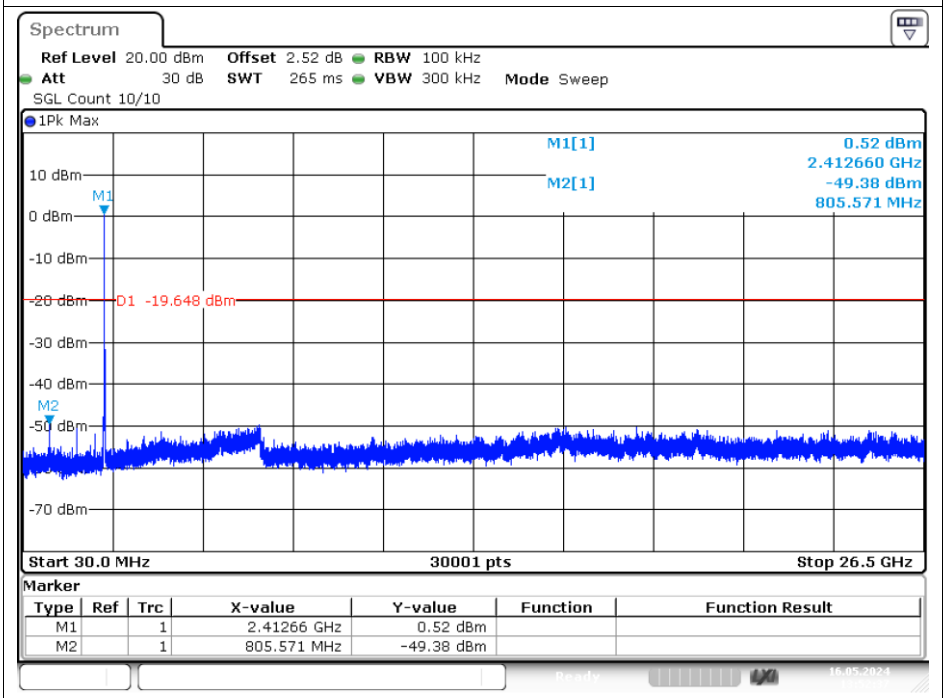
Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Date: 16.MAY.2024 13:52:21

Tx. Spurious NVNT b 2412MHz Ant1 Emission

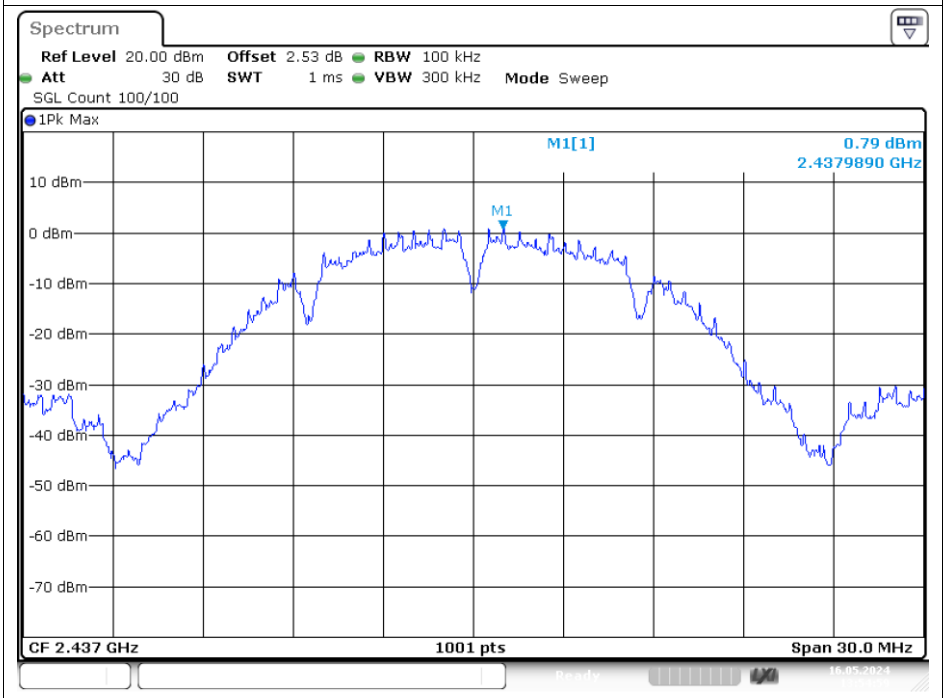


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41266 GHz	0.52 dBm		
M2		1	805.571 MHz	-49.38 dBm		

Date: 16.MAY.2024 13:52:37

Tx. Spurious NVNT b 2437MHz Ant1 Ref



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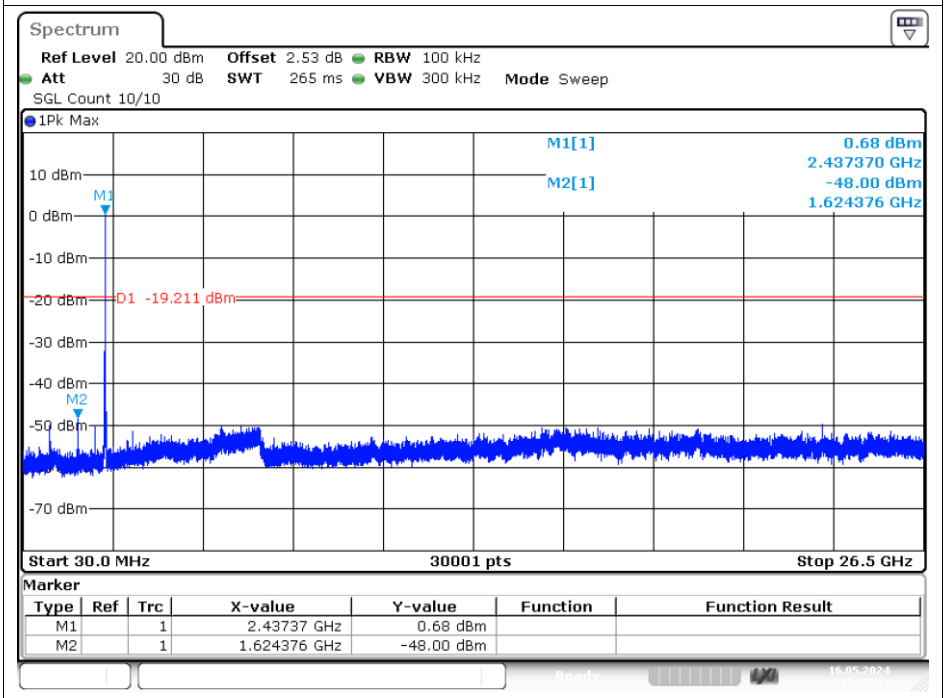
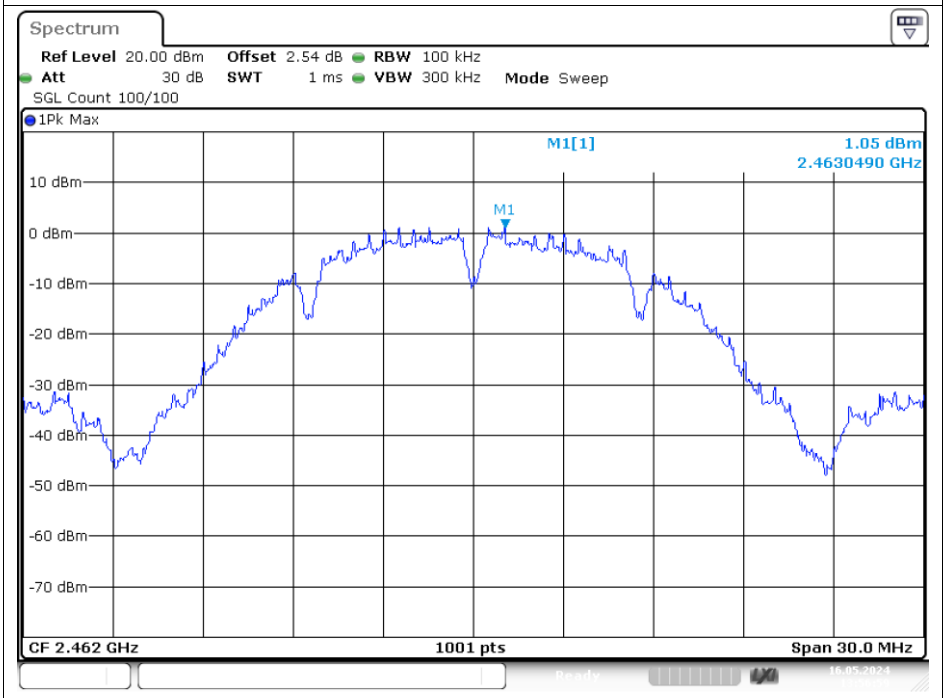
Tx. Spurious NVNT b 2437MHz Ant1 Emission



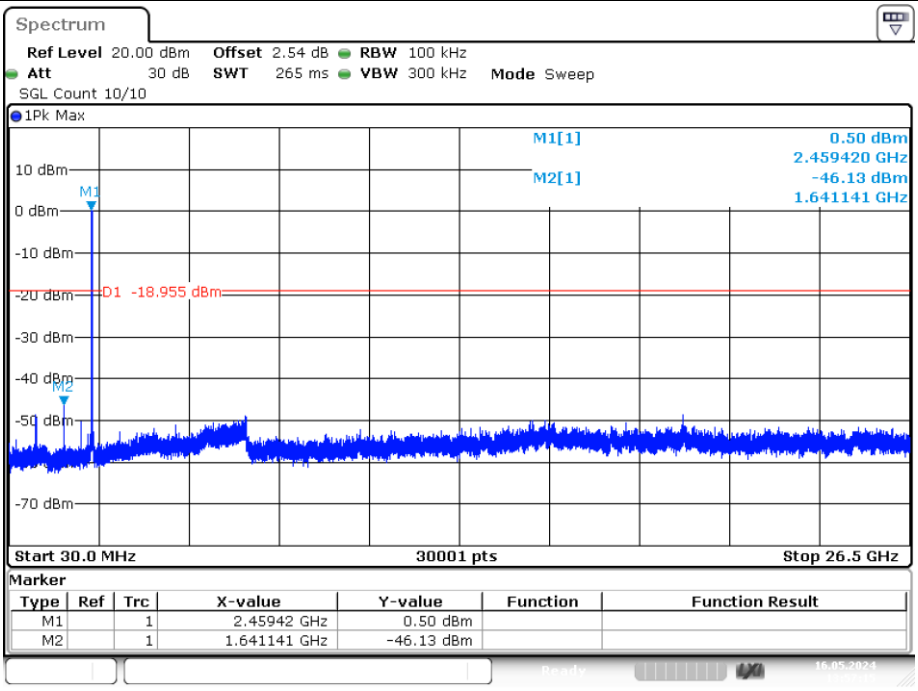
Date: 16.MAY.2024 13:55:14

Tx. Spurious NVNT b 2462MHz Ant1 Ref



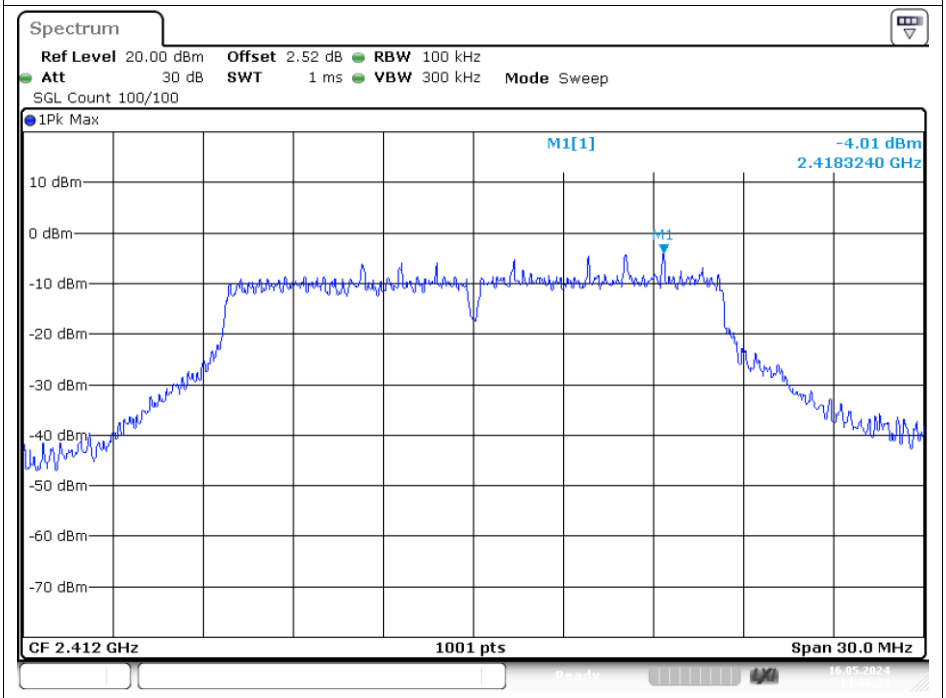
Date: 16.MAY.2024 13:56:59

Tx. Spurious NVNT b 2462MHz Ant1 Emission



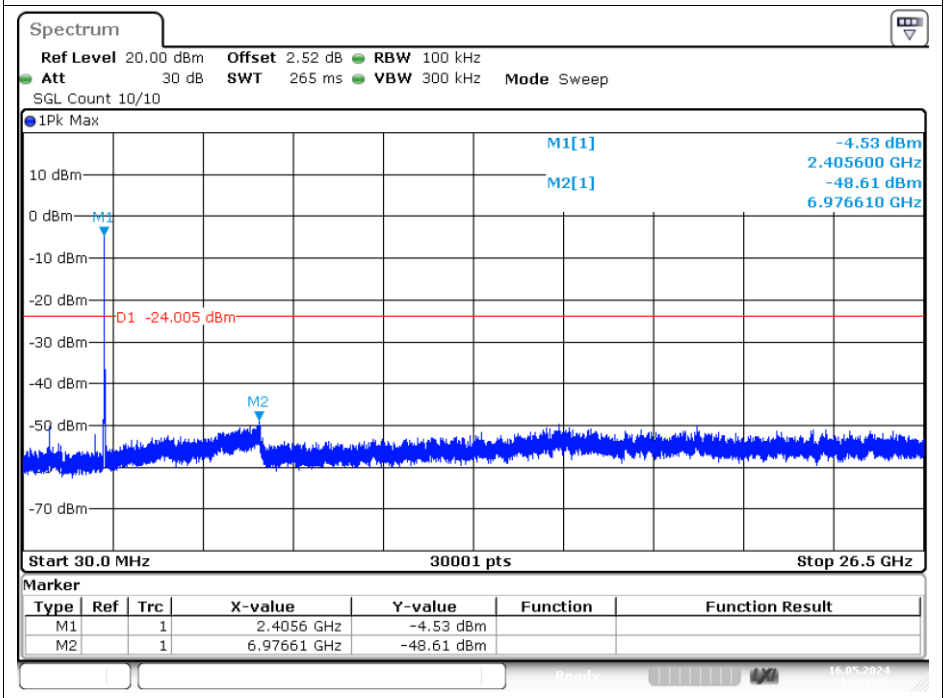
Date: 16.MAY.2024 13:57:15

Tx. Spurious NVNT g 2412MHz Ant1 Ref



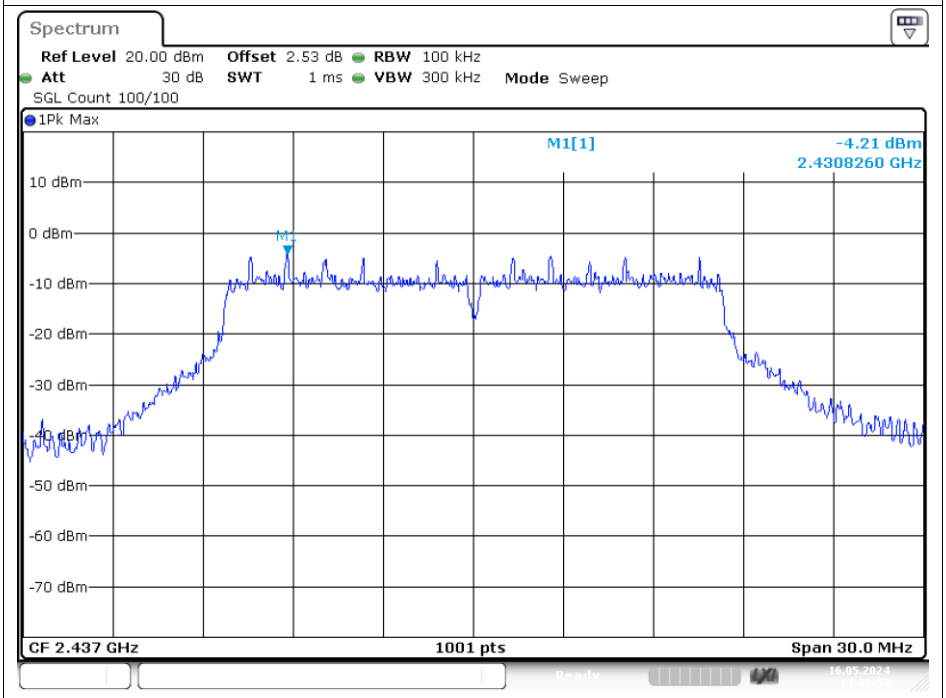
Date: 16.MAY.2024 14:00:24

Tx. Spurious NVNT g 2412MHz Ant1 Emission



Date: 16.MAY.2024 14:00:39

Tx. Spurious NVNT g 2437MHz Ant1 Ref



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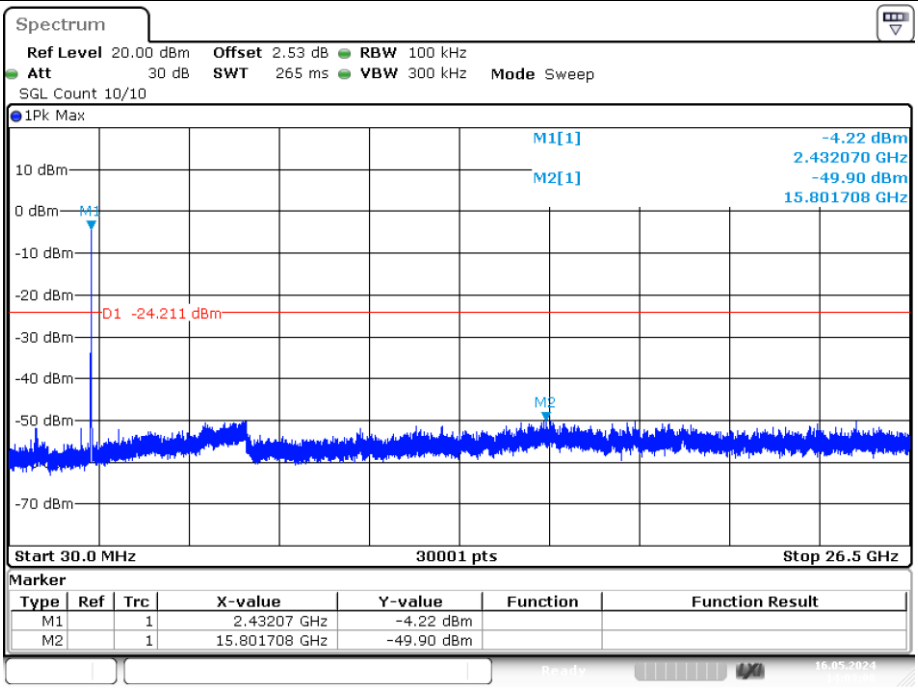
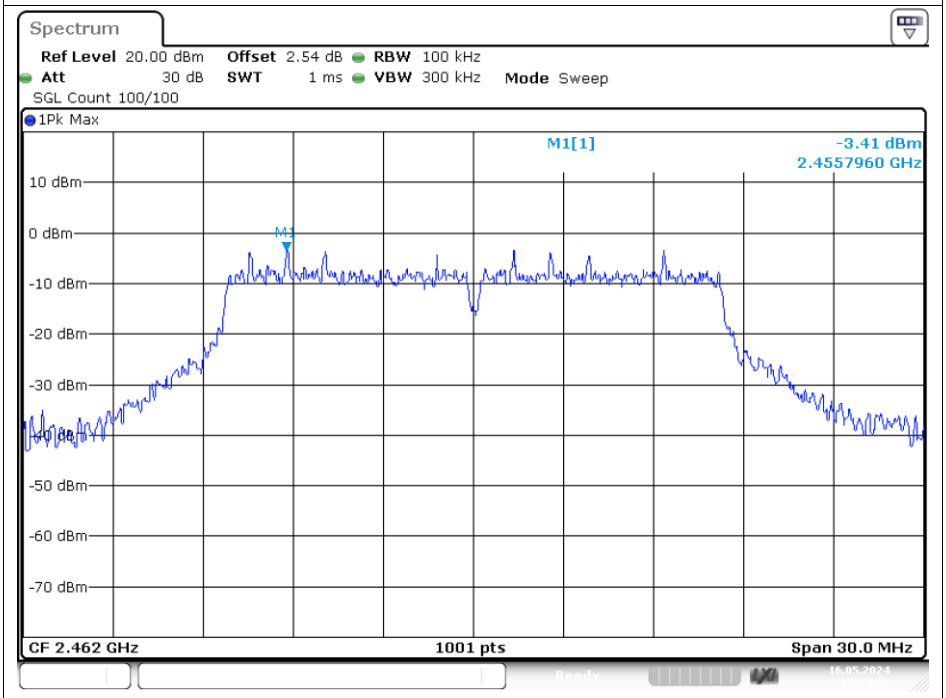
Tx. Spurious NVNT g 2437MHz Ant1 Emission



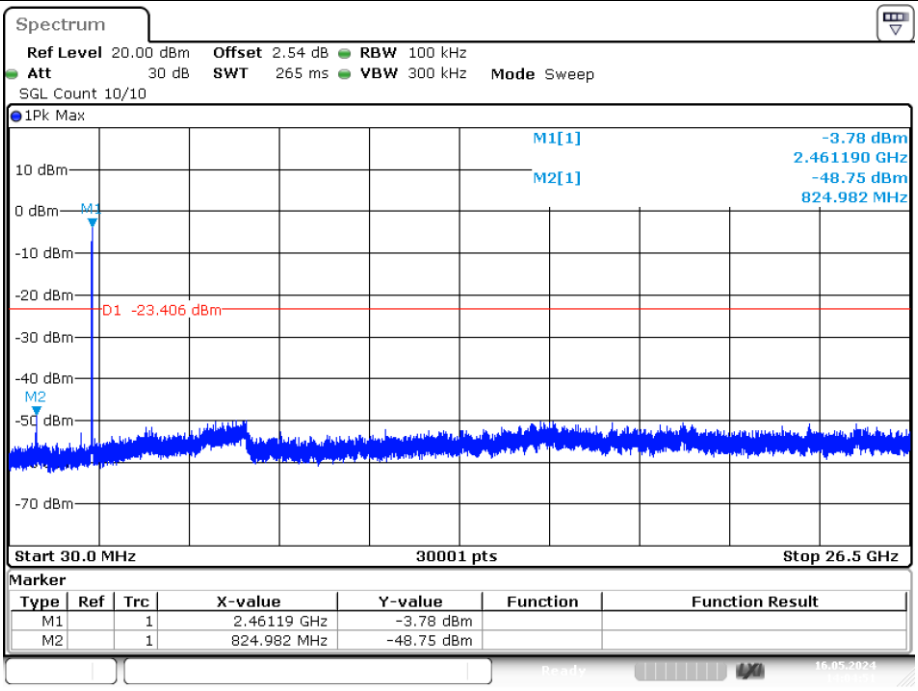
Date: 16.MAY.2024 14:03:08

Tx. Spurious NVNT g 2462MHz Ant1 Ref



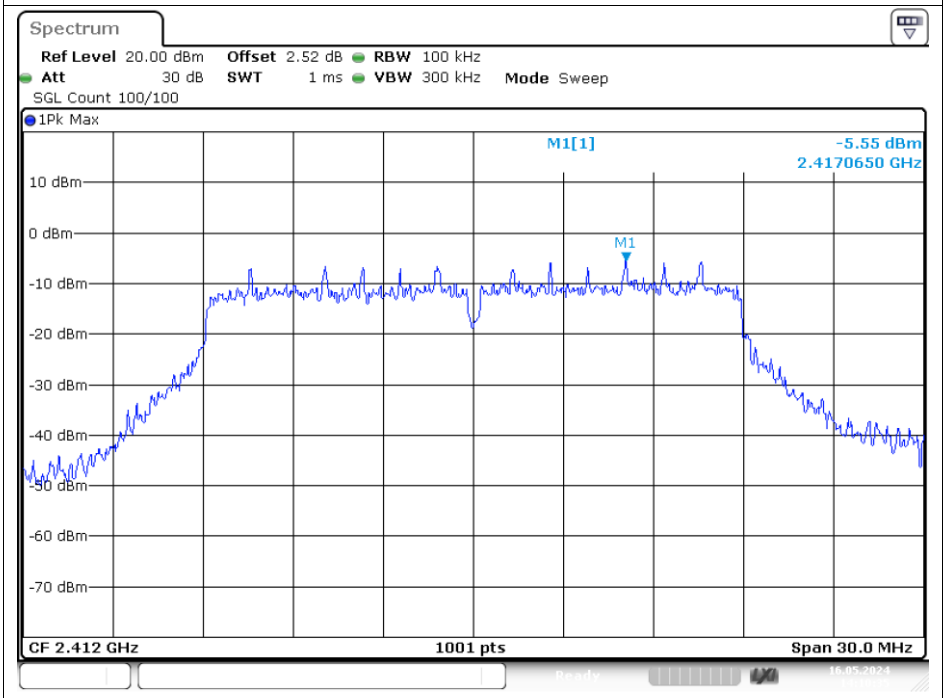
Date: 16.MAY.2024 14:04:36

Tx. Spurious NVNT g 2462MHz Ant1 Emission



Date: 16.MAY.2024 14:04:51

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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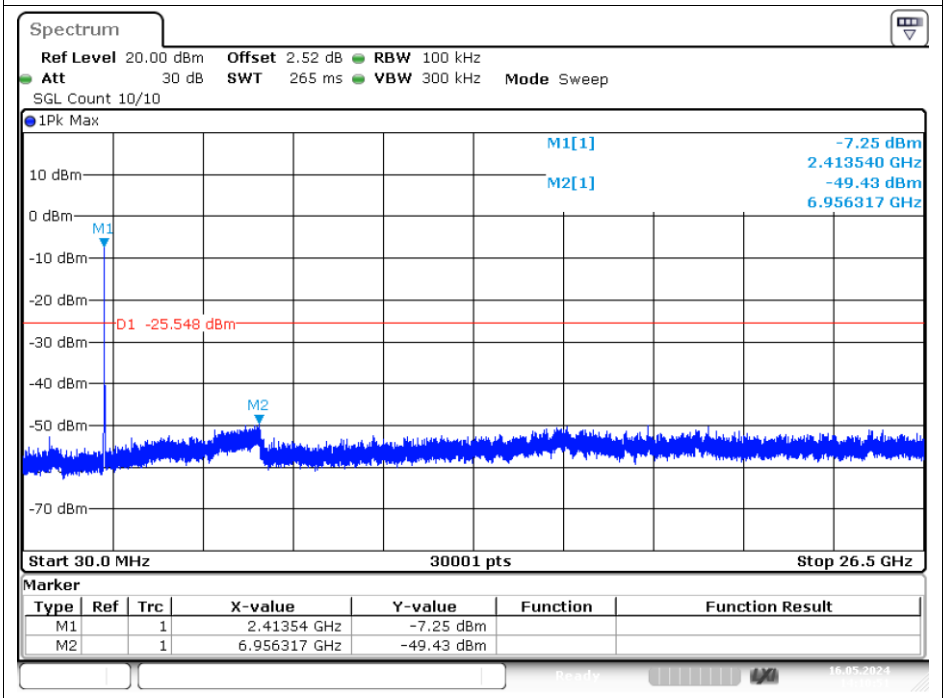
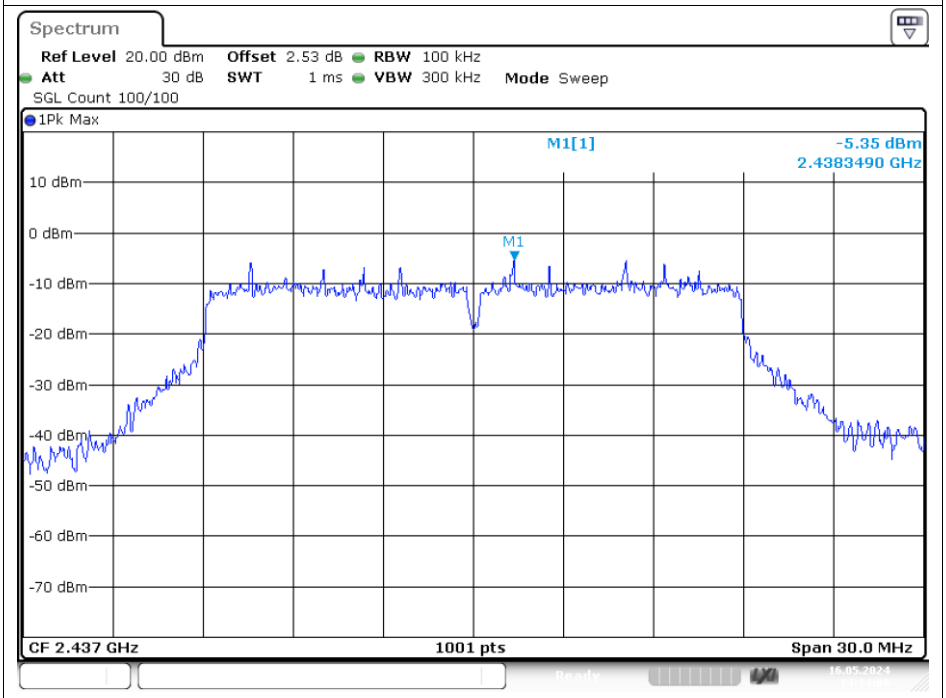
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



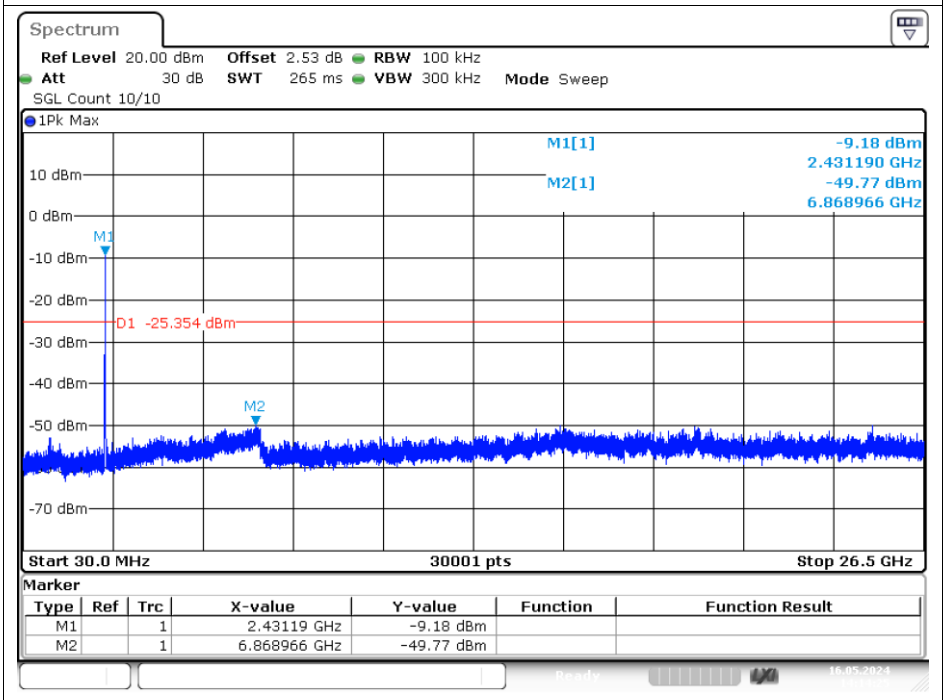
Date: 16.MAY.2024 14:10:51

Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Date: 16.MAY.2024 14:14:09

Tx. Spurious NVNT n20 2437MHz Ant1 Emission



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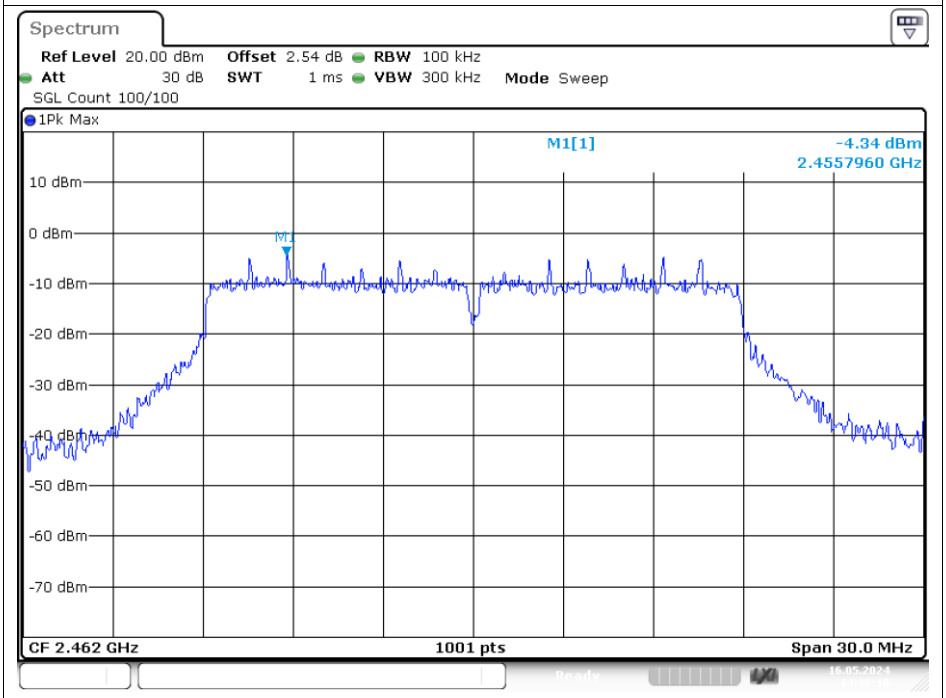
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



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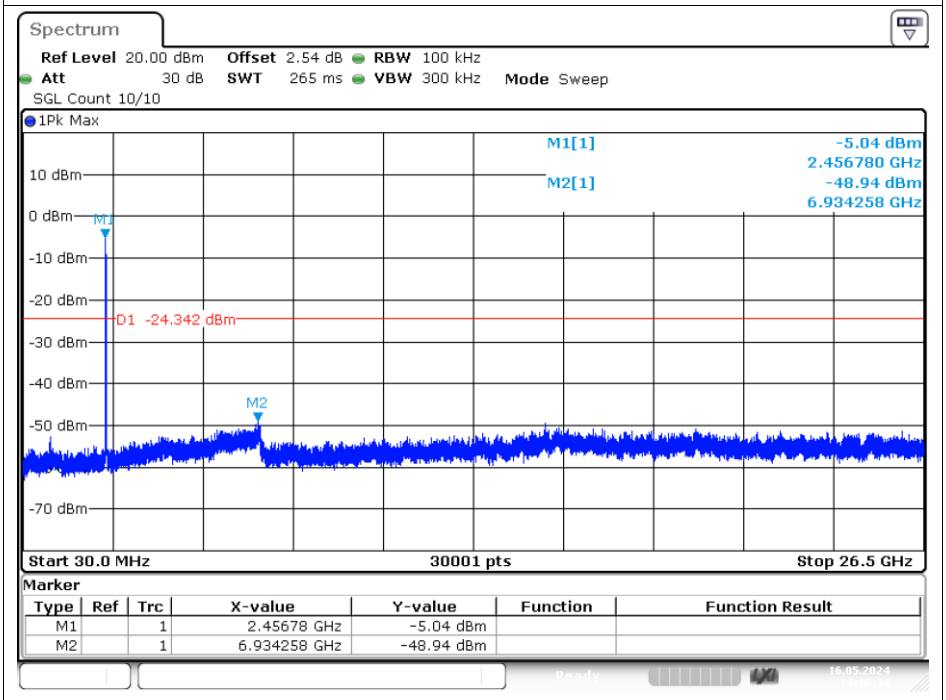
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



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