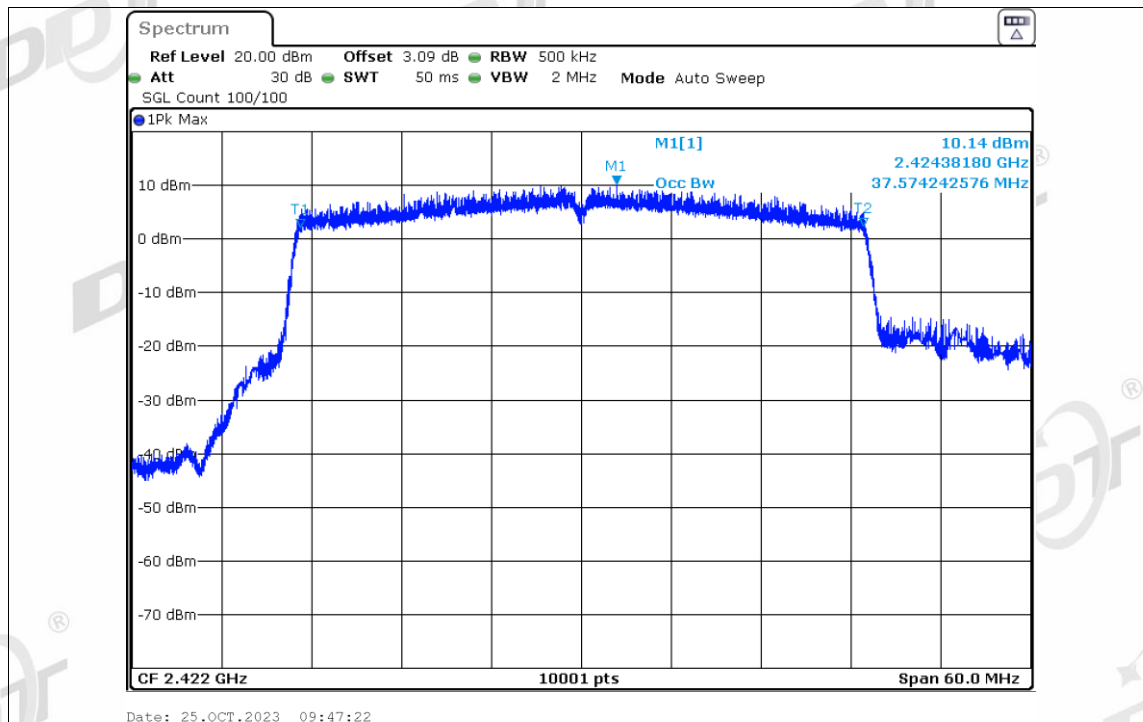
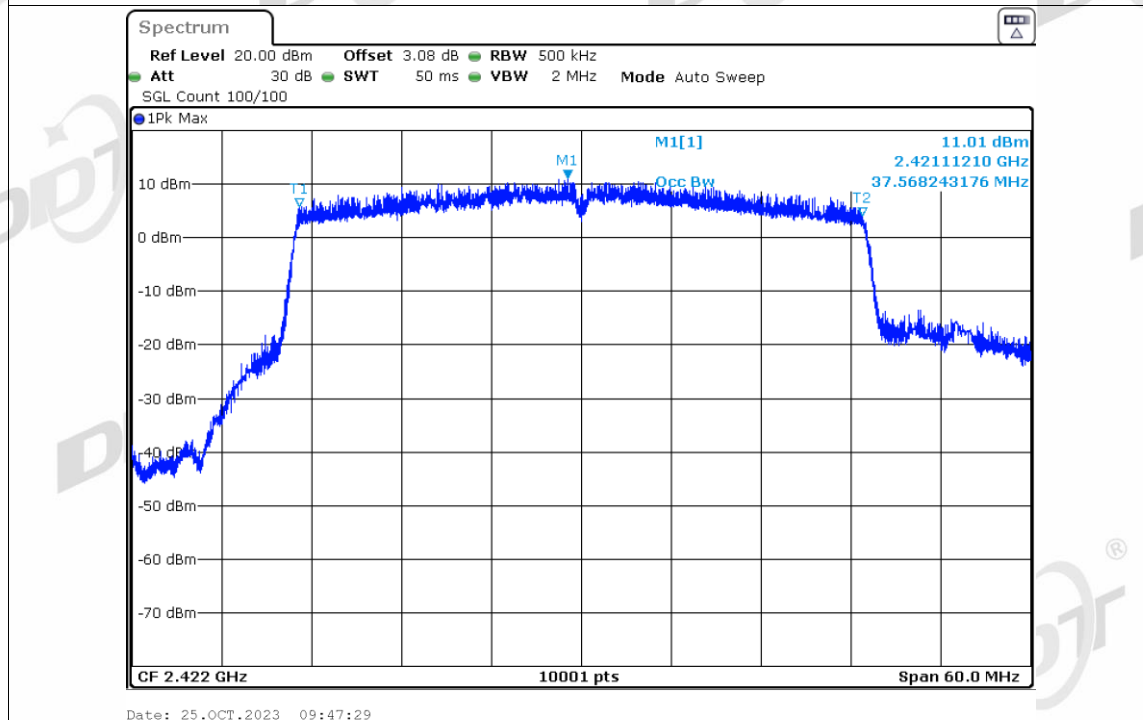
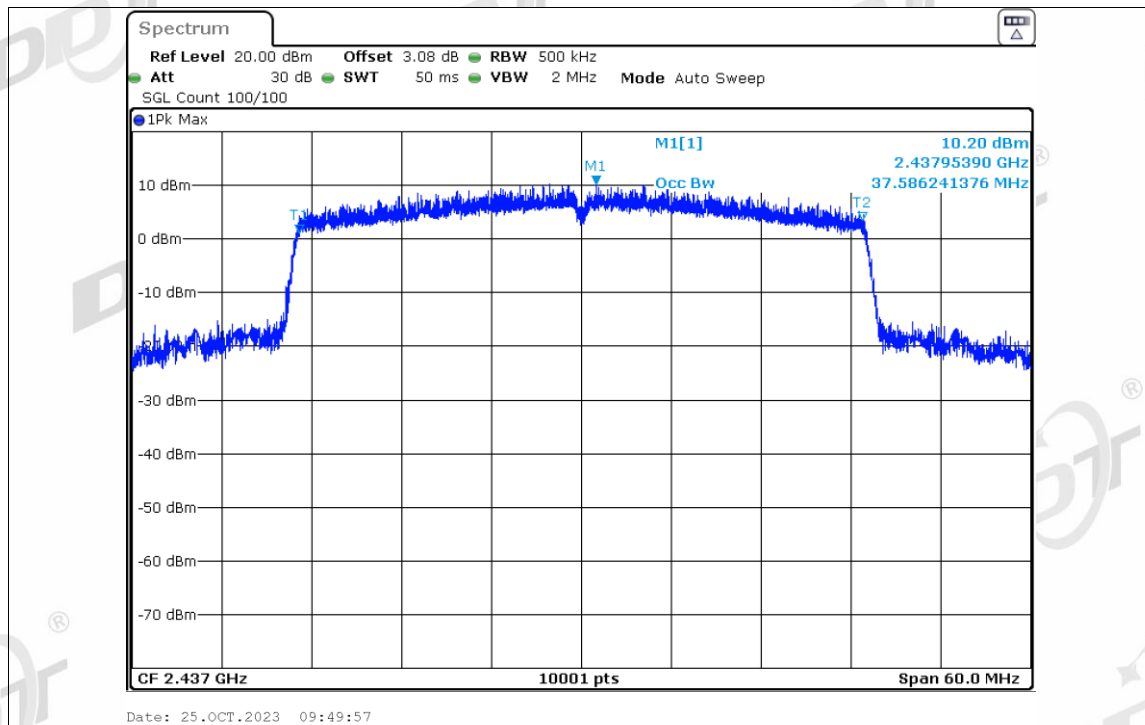




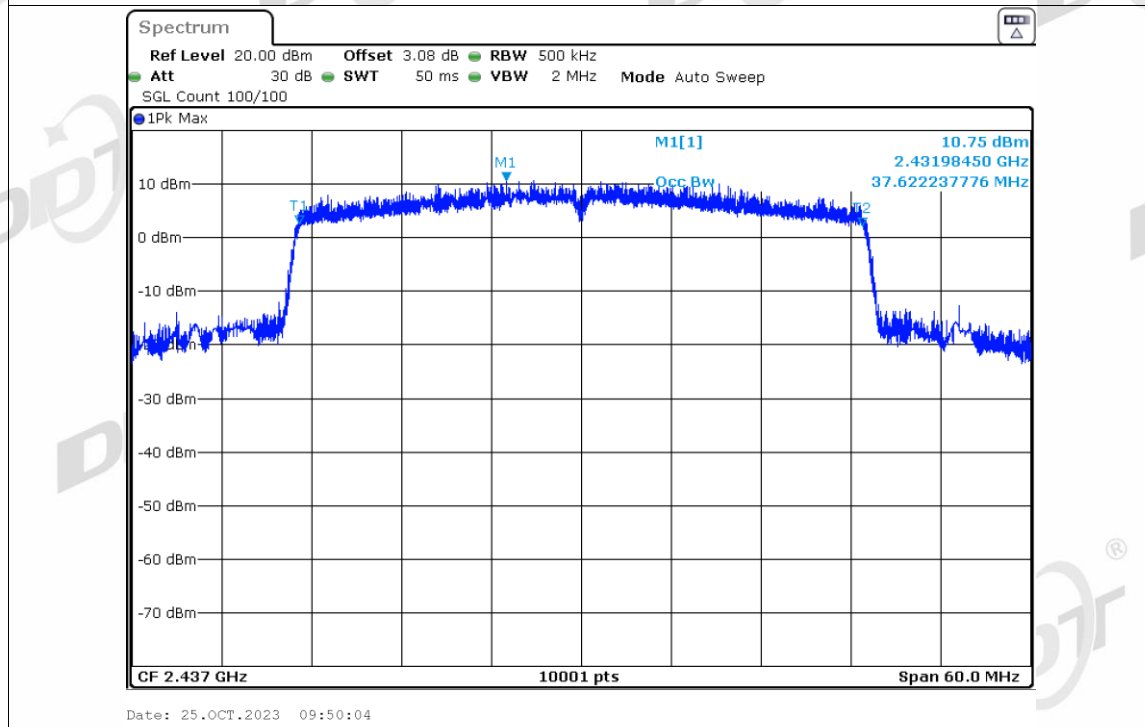
OBW NVNT ax40 2422MHz Ant2



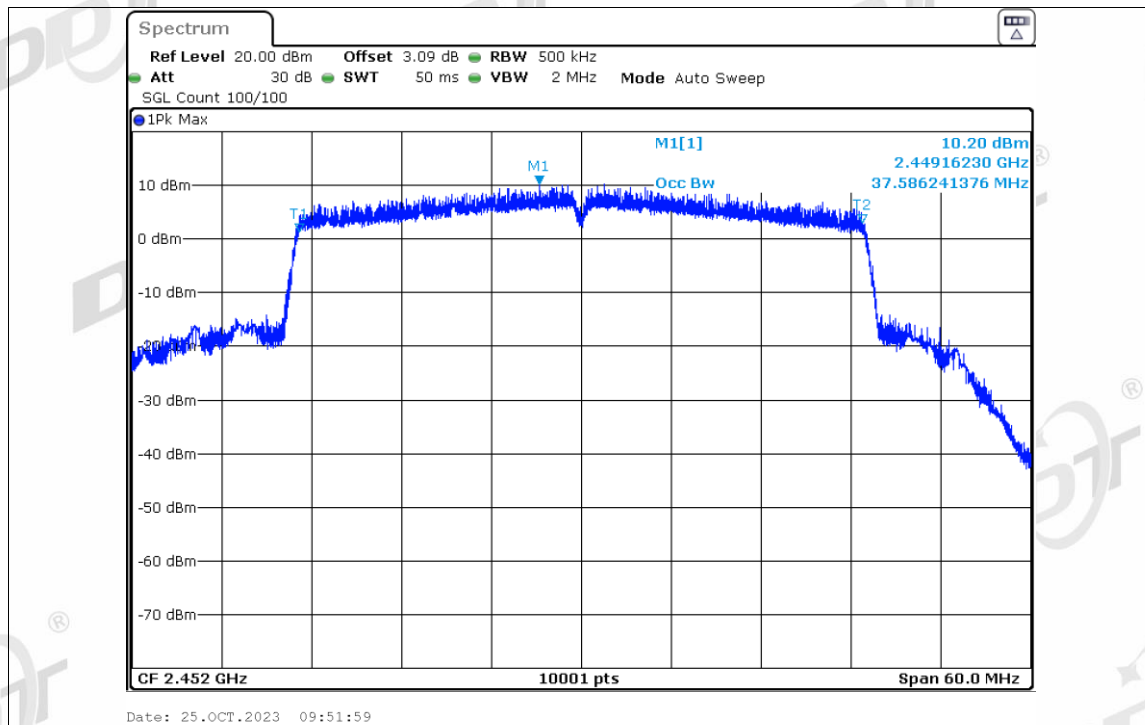
OBW NVNT ax40 2437MHz Ant1



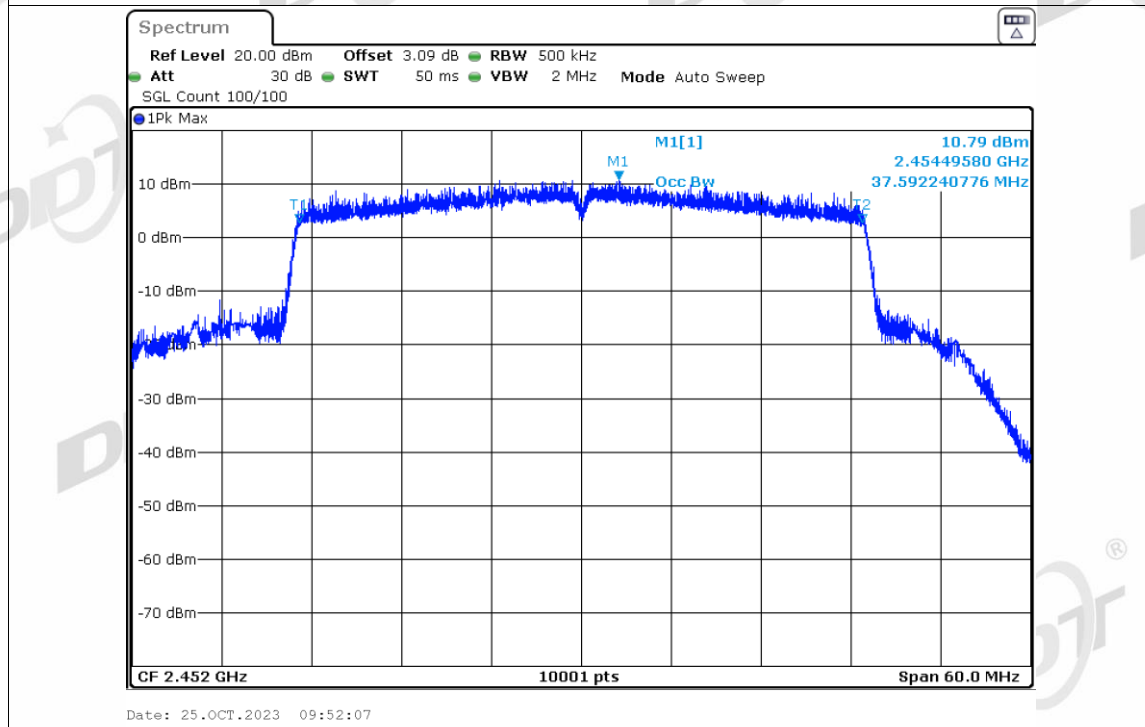
OBW NVNT ax40 2437MHz Ant2



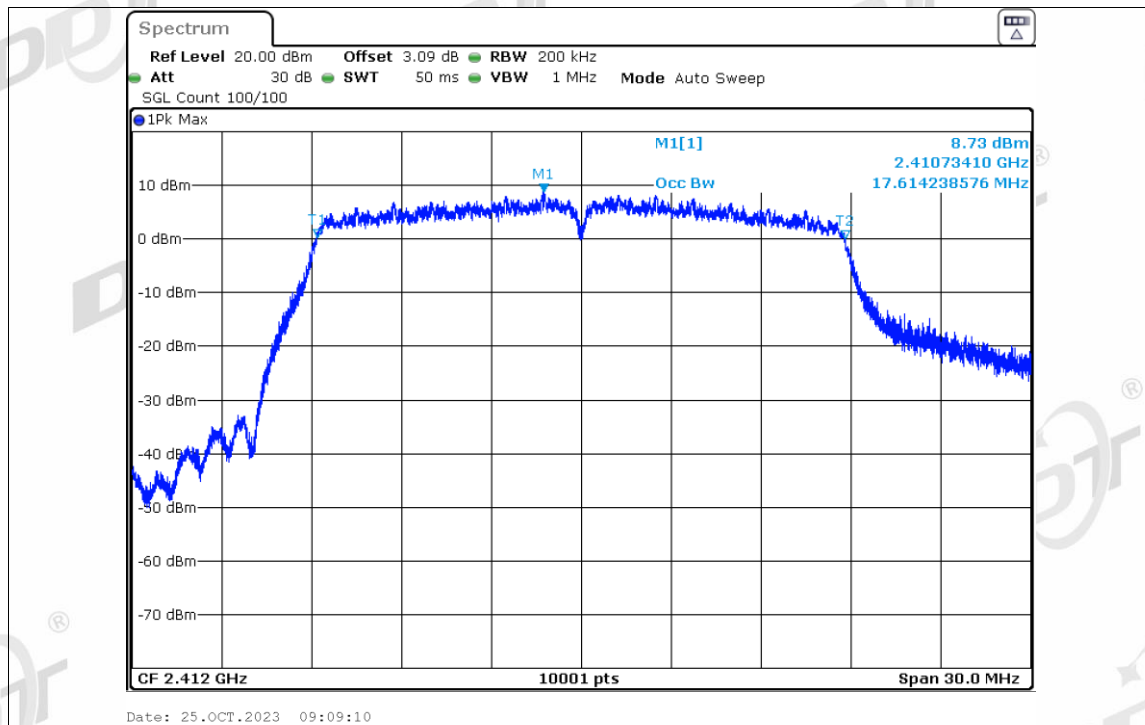
OBW NVNT ax40 2452MHz Ant1



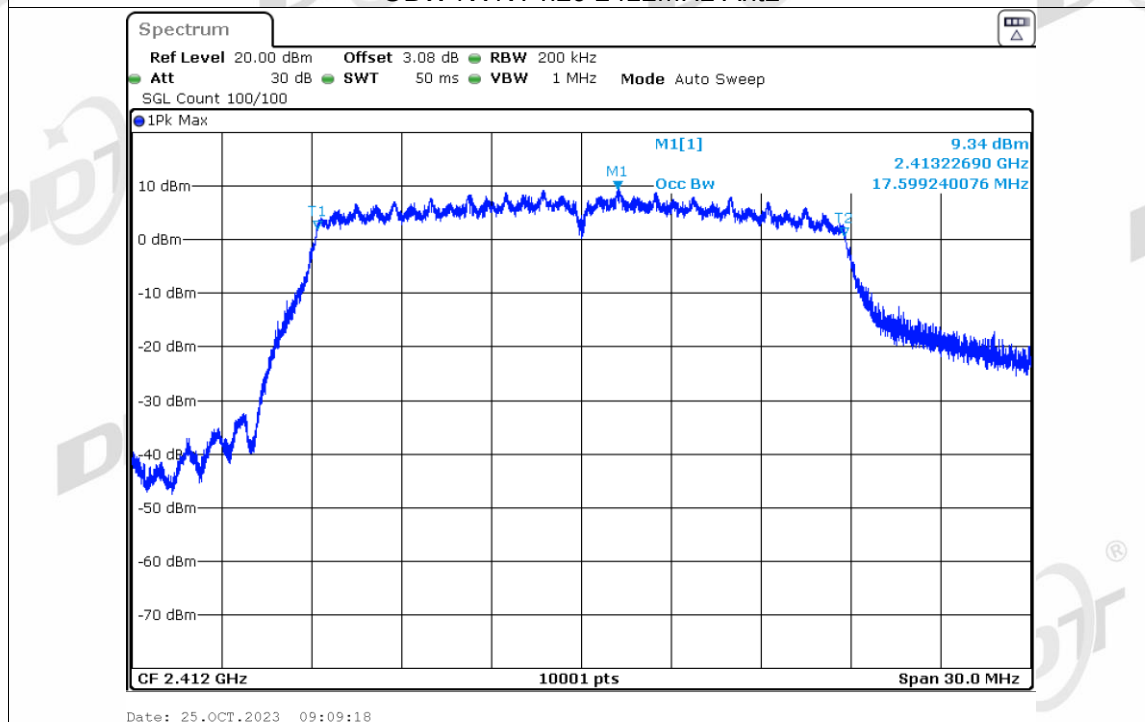
OBW NVNT ax40 2452MHz Ant2



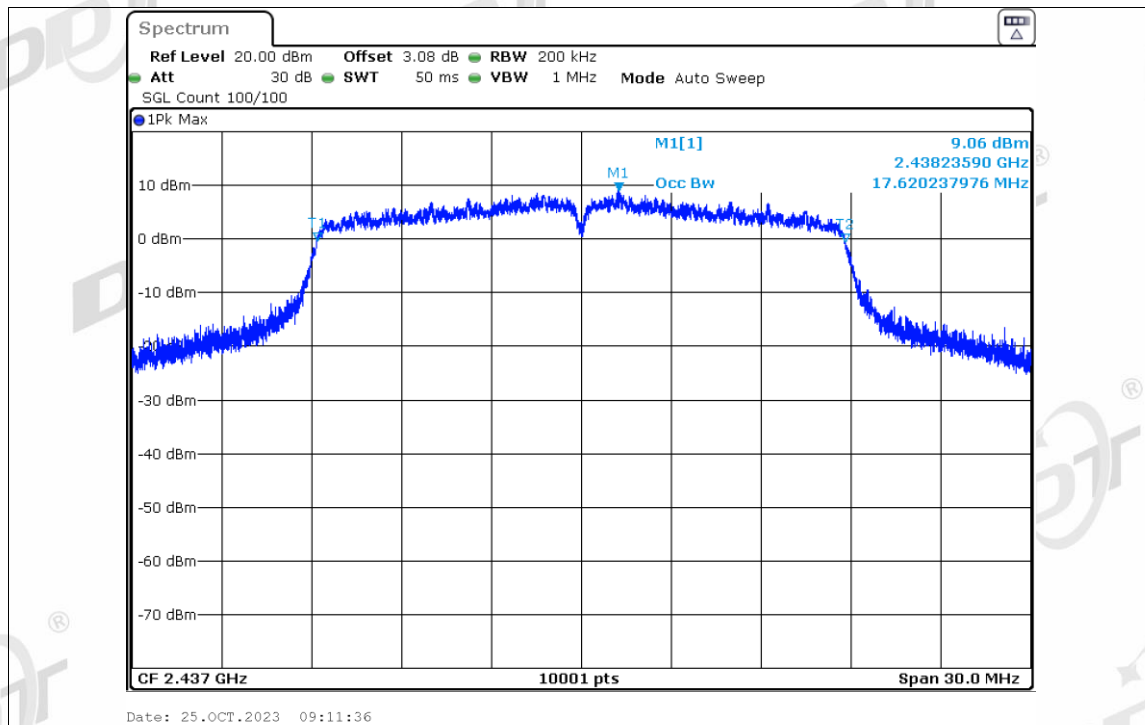
OBW NVNT n20 2412MHz Ant1



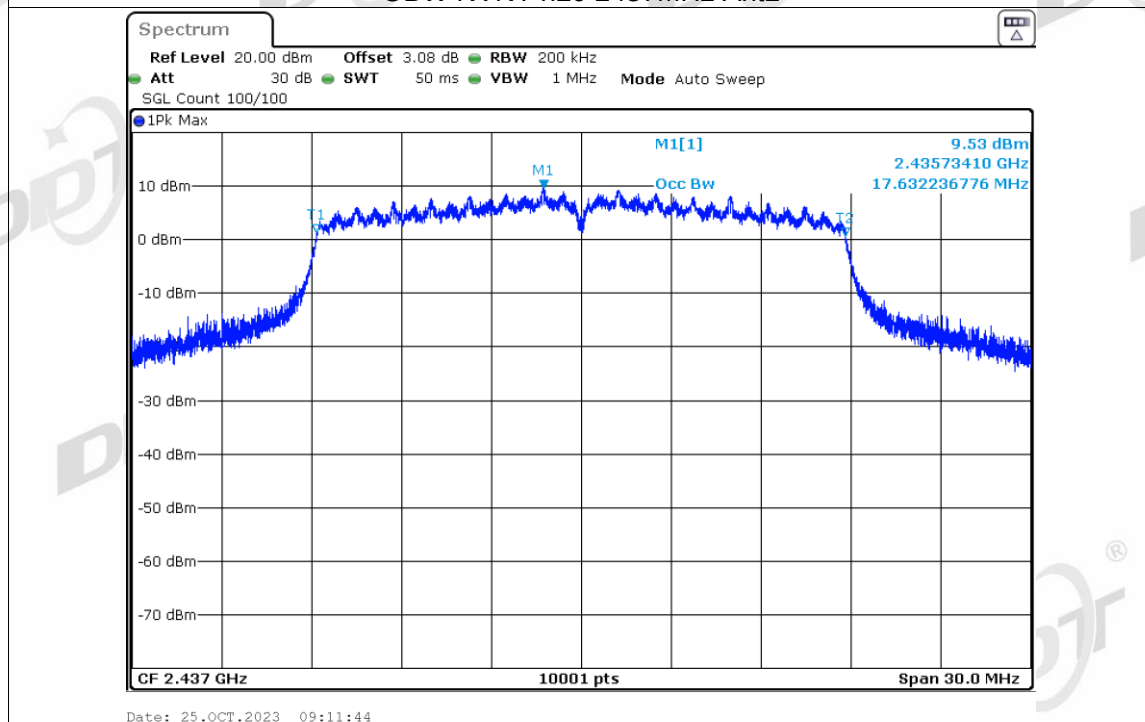
OBW NVNT n20 2412MHz Ant2



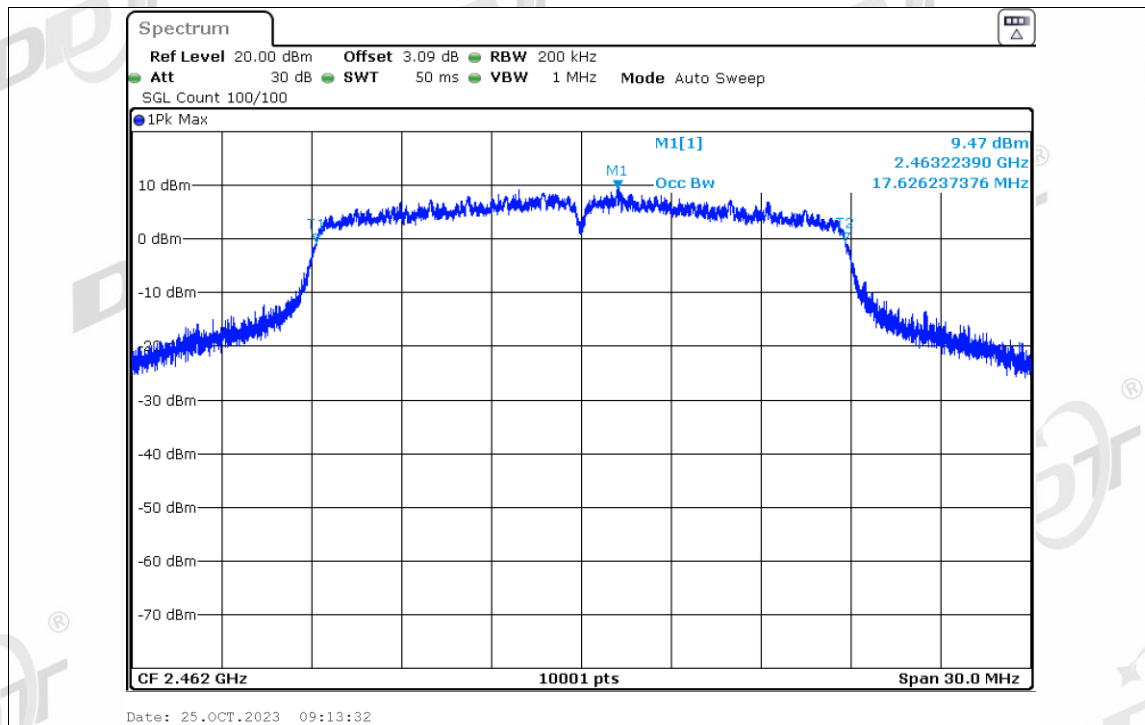
OBW NVNT n20 2437MHz Ant1



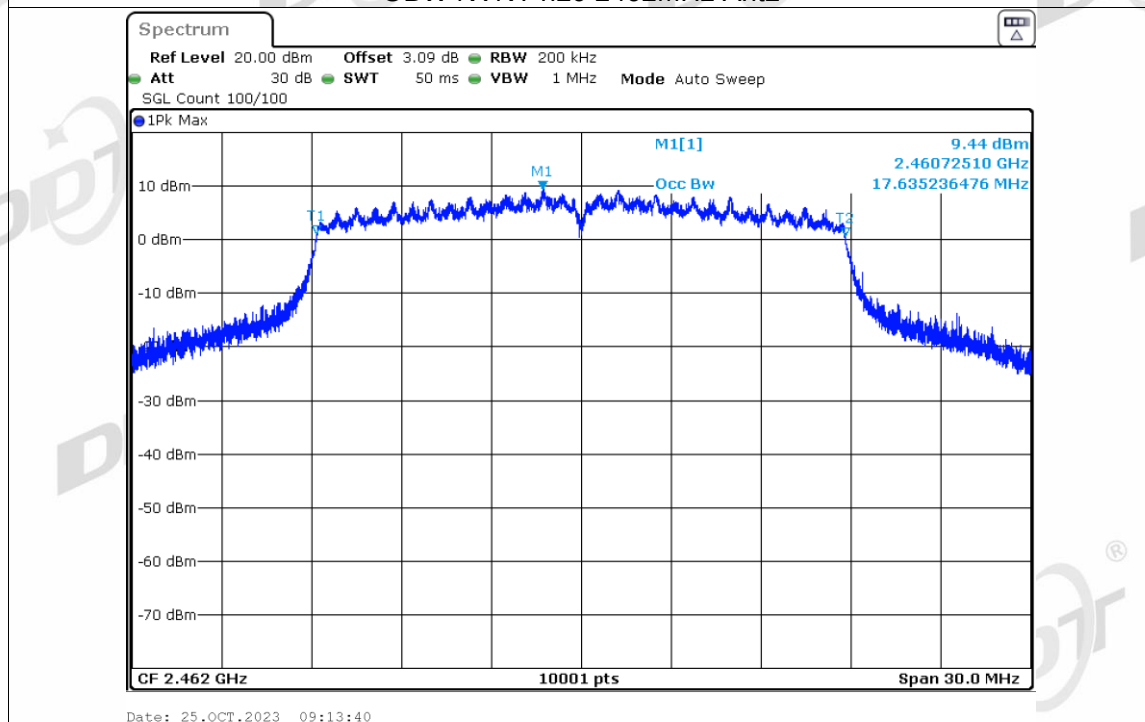
OBW NVNT n20 2437MHz Ant2



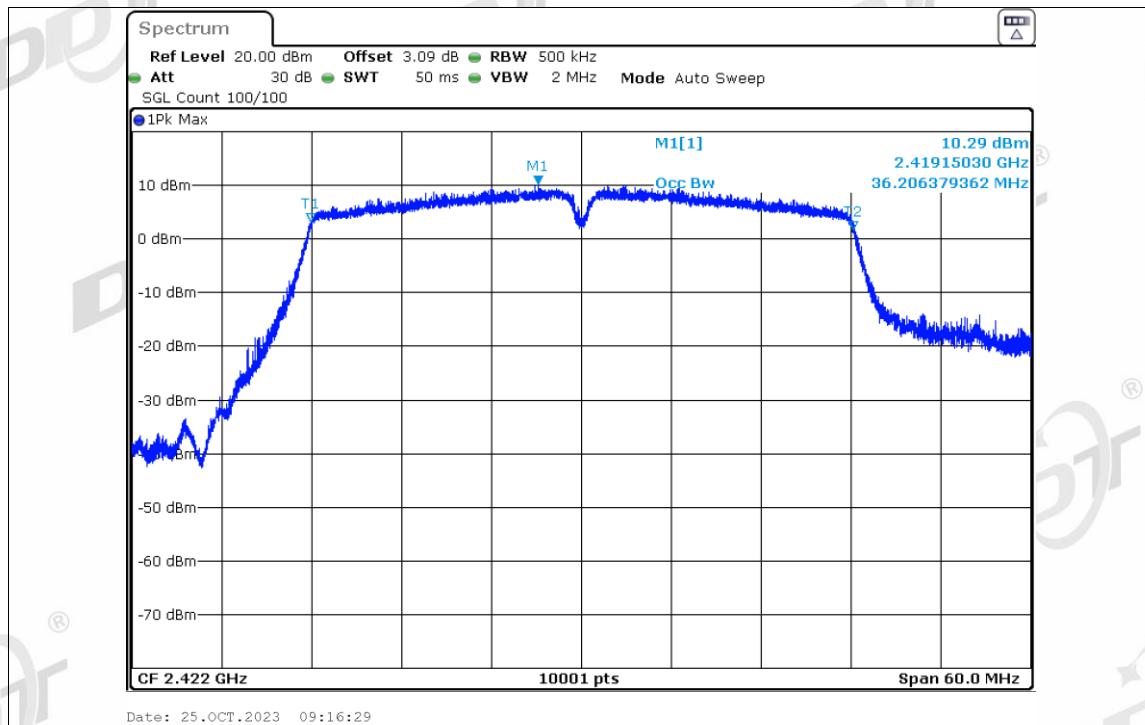
OBW NVNT n20 2462MHz Ant1



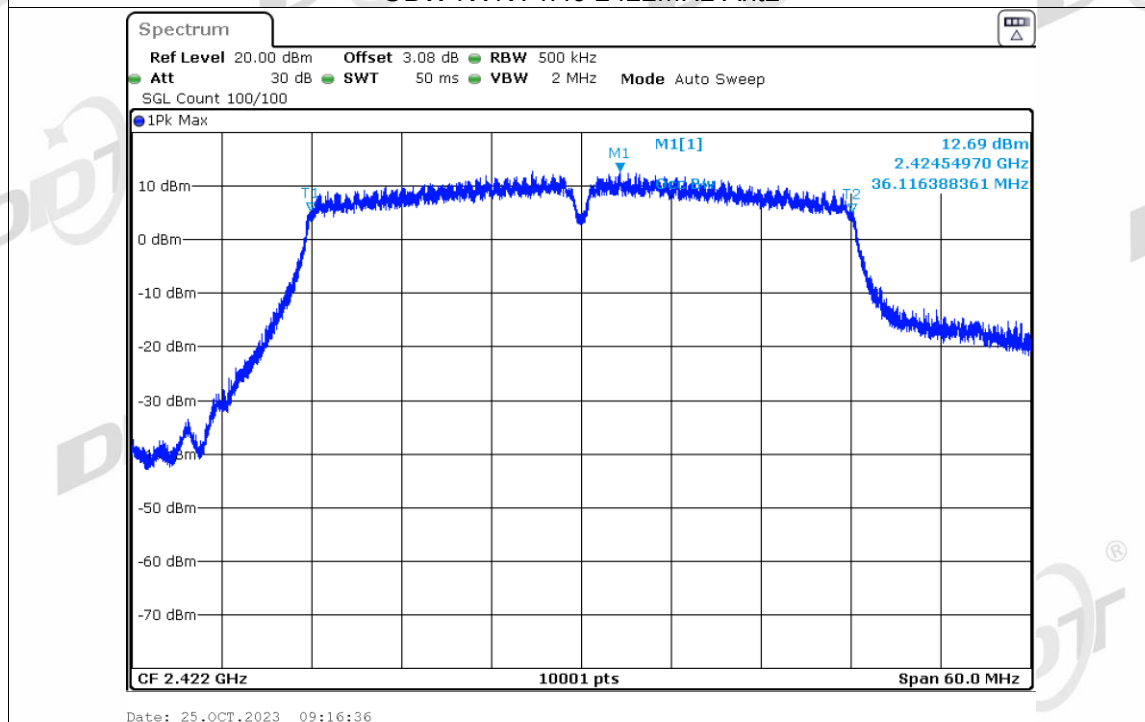
OBW NVNT n20 2462MHz Ant2



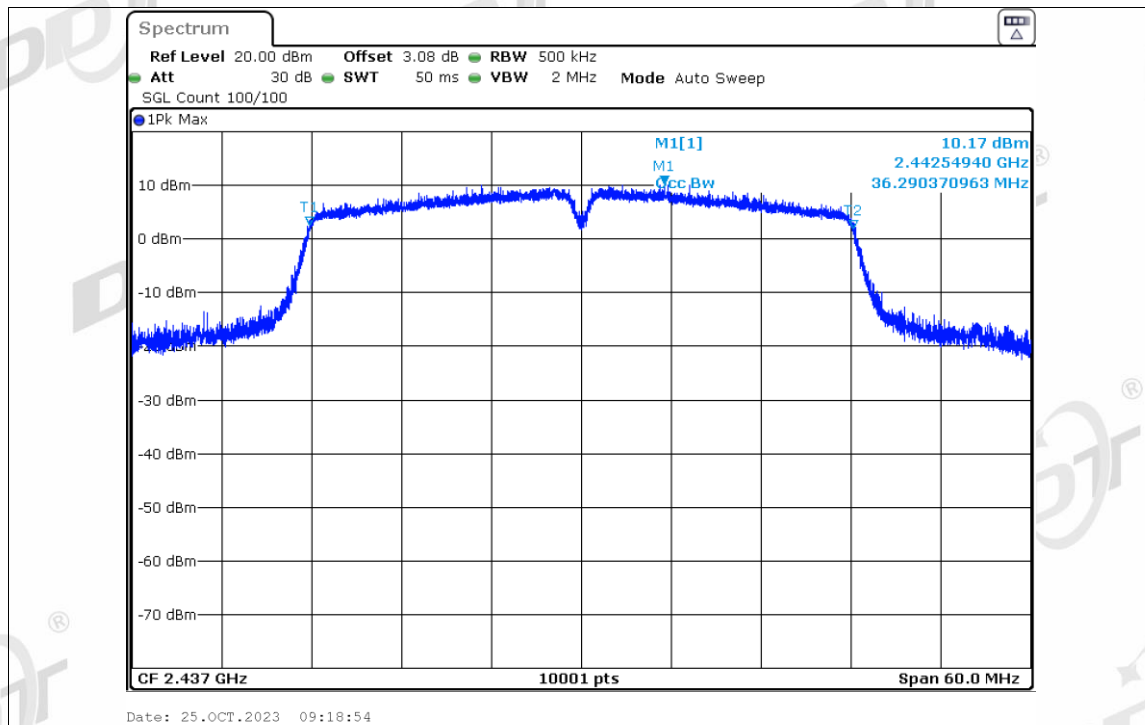
OBW NVNT n40 2422MHz Ant1



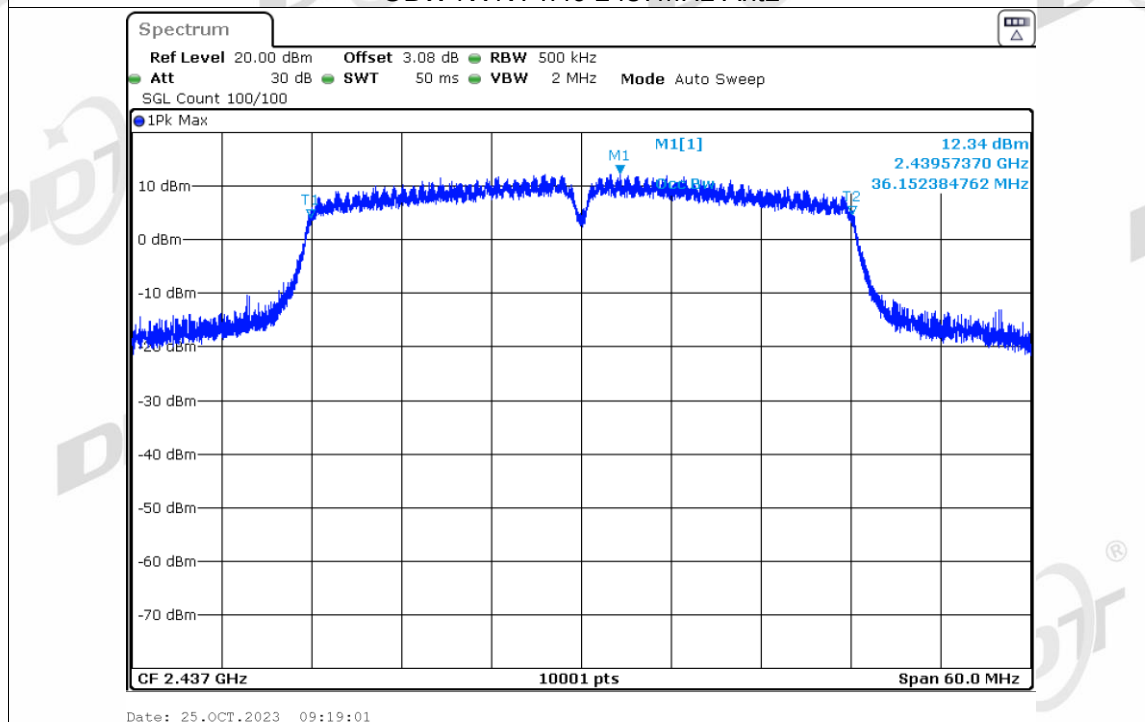
OBW NVNT n40 2422MHz Ant2



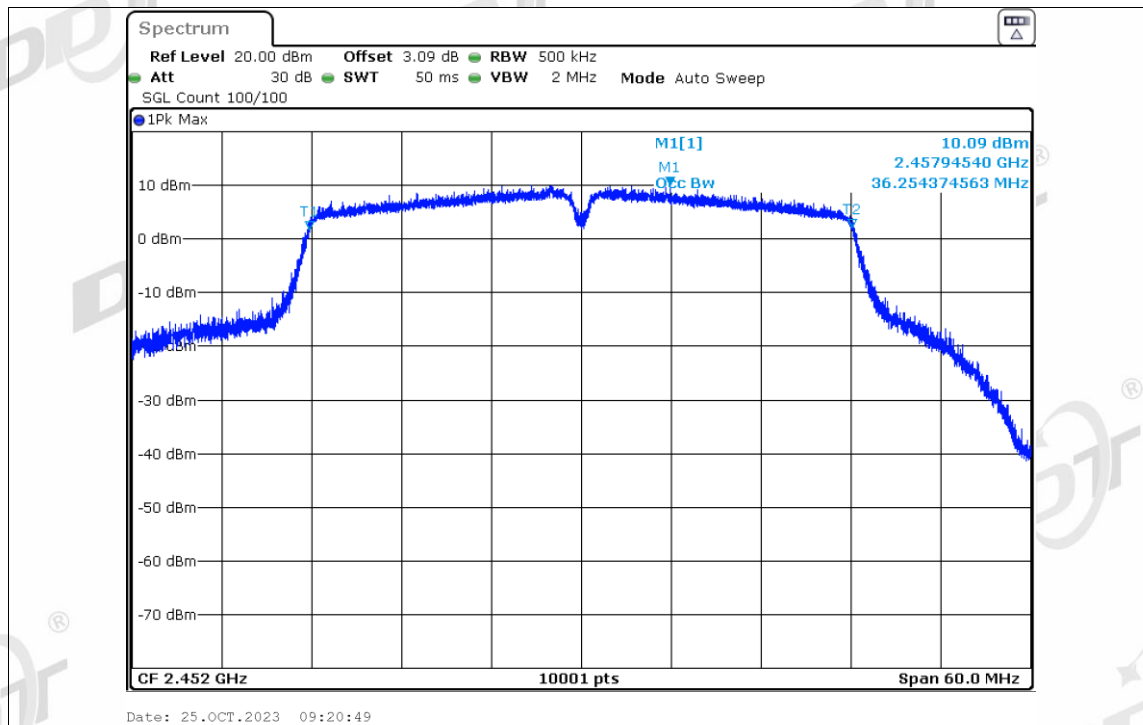
OBW NVNT n40 2437MHz Ant1



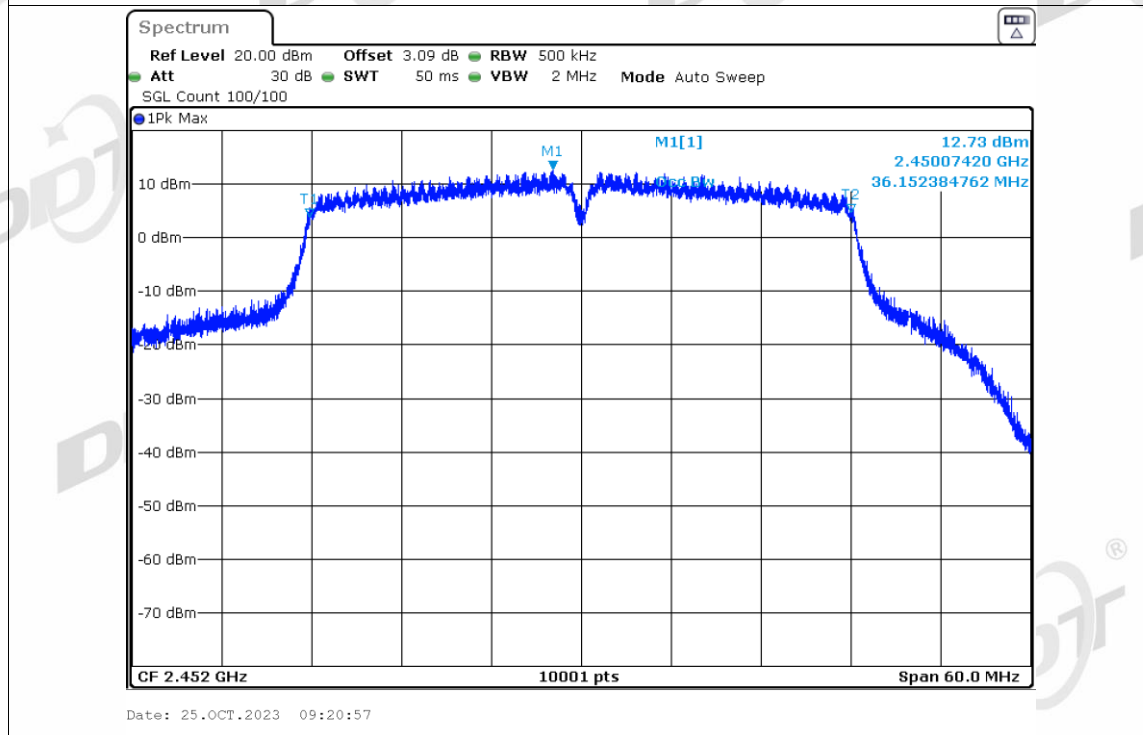
OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1



OBW NVNT n40 2452MHz Ant2



5. Maximum PK Conducted Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator
Measure the Maximum output power of antenna port by power sensor.

5.4. Test result

PK Power

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11B	2412	Ant1	26.47	30	31.40	36	Pass
11B	2412	Ant2	27.40	30	32.12	36	Pass
11B	2437	Ant1	26.26	30	31.19	36	Pass
11B	2437	Ant2	27.12	30	31.84	36	Pass
11B	2462	Ant1	26.52	30	31.45	36	Pass
11B	2462	Ant2	26.87	30	31.59	36	Pass
11G	2412	Ant1	25.10	30	30.03	36	Pass
11G	2412	Ant2	26.50	30	31.22	36	Pass
11G	2437	Ant1	25.61	30	30.54	36	Pass
11G	2437	Ant2	26.28	30	31.00	36	Pass
11G	2462	Ant1	25.69	30	30.62	36	Pass
11G	2462	Ant2	26.14	30	30.86	36	Pass
11N20	2412	Ant1	24.64	30	29.57	36	Pass
11N20	2412	Ant2	23.81	30	28.53	36	Pass
11N20	2412	SUM	27.26	30	32.19	36	Pass
11N20	2437	Ant1	24.51	30	29.44	36	Pass
11N20	2437	Ant2	22.82	30	27.54	36	Pass
11N20	2437	SUM	26.76	30	31.69	36	Pass
11N20	2462	Ant1	24.58	30	29.51	36	Pass
11N20	2462	Ant2	22.81	30	27.53	36	Pass
11N20	2462	SUM	26.79	30	31.72	36	Pass
11N40	2422	Ant1	21.28	30	26.21	36	Pass
11N40	2422	Ant2	22.27	30	26.99	36	Pass
11N40	2422	SUM	24.81	30	29.74	36	Pass
11N40	2437	Ant1	22.22	30	27.15	36	Pass
11N40	2437	Ant2	23.37	30	28.09	36	Pass
11N40	2437	SUM	25.84	30	30.77	36	Pass
11N40	2452	Ant1	22.45	30	27.38	36	Pass
11N40	2452	Ant2	23.44	30	28.16	36	Pass
11N40	2452	SUM	25.98	30	30.91	36	Pass
11AX20	2412	Ant1	24.23	30	29.16	36	Pass
11AX20	2412	Ant2	25.20	30	29.92	36	Pass
11AX20	2412	SUM	27.75	30	32.68	36	Pass
11AX20	2437	Ant1	23.73	30	28.66	36	Pass
11AX20	2437	Ant2	24.11	30	28.83	36	Pass
11AX20	2437	SUM	26.93	30	31.86	36	Pass
11AX20	2462	Ant1	23.51	30	28.44	36	Pass
11AX20	2462	Ant2	23.90	30	28.62	36	Pass
11AX20	2462	SUM	26.72	30	31.65	36	Pass
11AX40	2422	Ant1	21.05	30	25.98	36	Pass
11AX40	2422	Ant2	21.91	30	26.63	36	Pass
11AX40	2422	SUM	24.51	30	29.44	36	Pass
11AX40	2437	Ant1	23.51	30	28.44	36	Pass
11AX40	2437	Ant2	24.59	30	29.31	36	Pass

11AX40	2437	SUM	27.09	30	32.02	36	Pass
11AX40	2452	Ant1	23.65	30	28.58	36	Pass
11AX40	2452	Ant2	24.76	30	29.48	36	Pass
11AX40	2452	SUM	27.25	30	32.18	36	Pass

6. Power Spectral Density

6.1. Block diagram of test setup

Same as section 4.1

6.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

Center frequency	DTS Channel center frequency
RBW:	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span	1.5 times the DTS bandwidth
Detector Mode:	peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

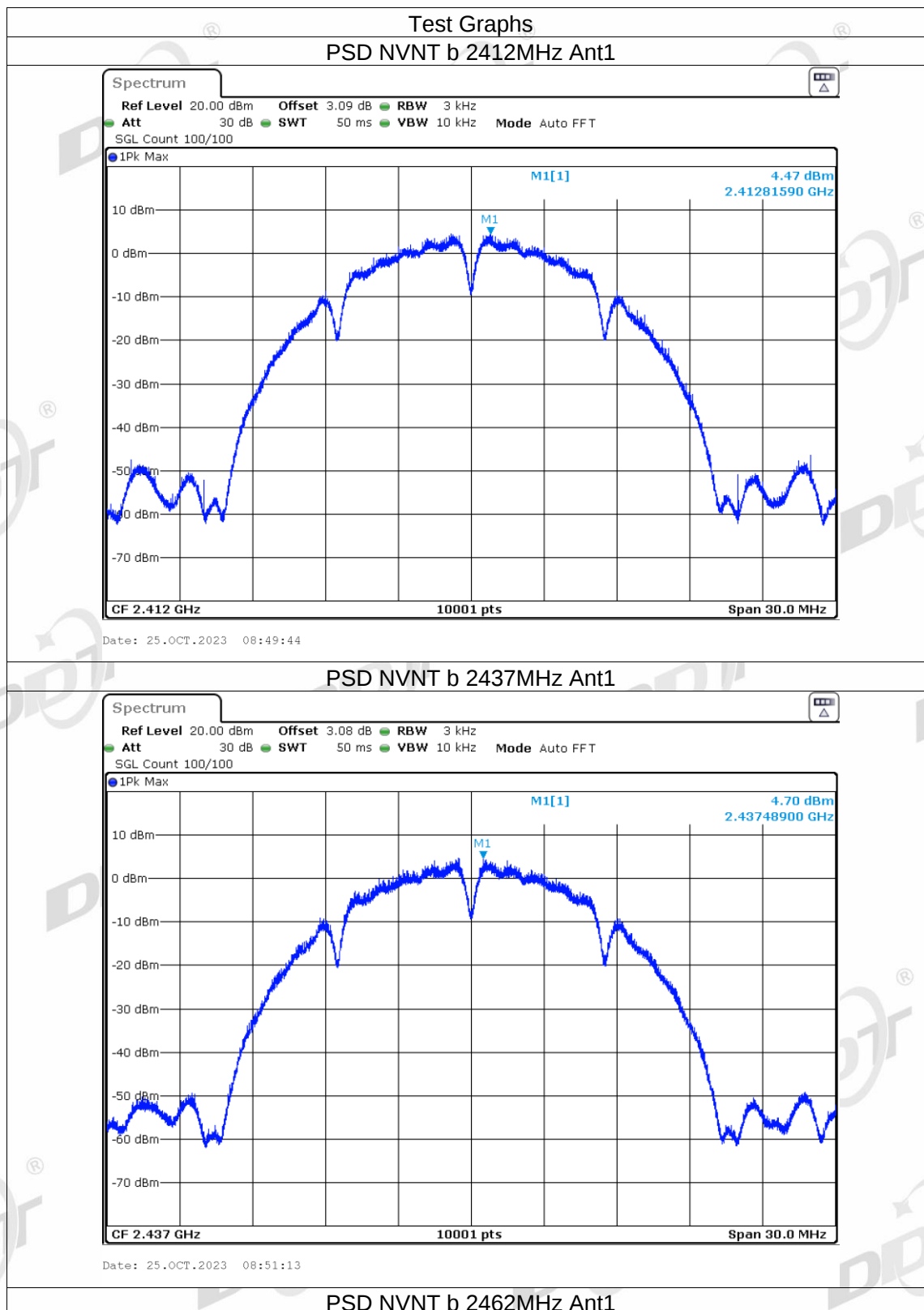
(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

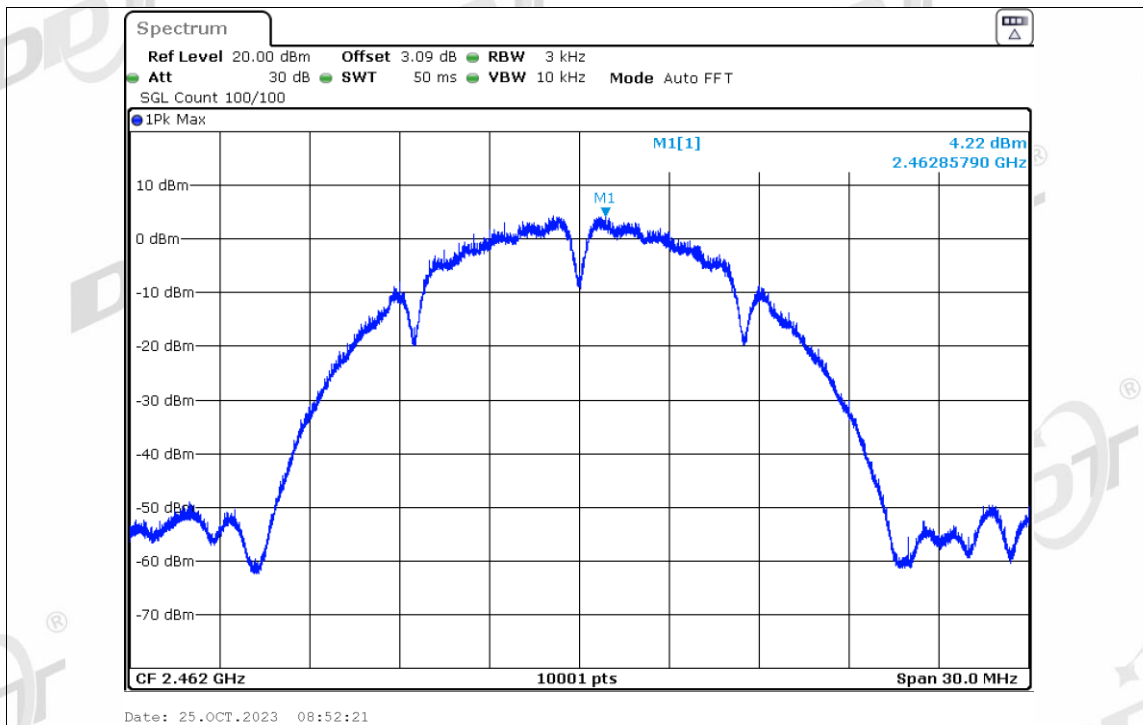
6.4. Test result

Test Mode	Test Channel	Antenna	PSD (dBm/3kHz)	Limit(dBm/3kHz)	Verdict
b	2412	Ant1	4.47	8.00	Pass
b	2412	Ant2	4.70	8.00	Pass
b	2437	Ant1	4.22	8.00	Pass
b	2437	Ant2	5.15	8.00	Pass
b	2462	Ant1	4.80	8.00	Pass
b	2462	Ant2	4.95	8.00	Pass
q	2412	Ant1	-1.53	8.00	Pass
q	2412	Ant2	-1.28	8.00	Pass
q	2437	Ant1	-0.88	8.00	Pass
q	2437	Ant2	-0.05	8.00	Pass
q	2462	Ant1	-0.07	8.00	Pass
q	2462	Ant2	-0.69	8.00	Pass
ax20	2412	Ant1	-5.70	8.00	Pass
ax20	2412	Ant2	-4.52	8.00	Pass
ax20	2412	Sum	-2.06	8.00	Pass
ax20	2437	Ant1	-5.45	8.00	Pass
ax20	2437	Ant2	-4.25	8.00	Pass
ax20	2437	Sum	-1.80	8.00	Pass
ax20	2462	Ant1	-5.42	8.00	Pass
ax20	2462	Ant2	-4.31	8.00	Pass
ax20	2462	Sum	-1.82	8.00	Pass
ax40	2422	Ant1	-10.37	8.00	Pass
ax40	2422	Ant2	-9.34	8.00	Pass
ax40	2422	Sum	-6.81	8.00	Pass
ax40	2437	Ant1	-10.1	8.00	Pass
ax40	2437	Ant2	-9.05	8.00	Pass
ax40	2437	Sum	-6.53	8.00	Pass
ax40	2452	Ant1	-10.57	8.00	Pass
ax40	2452	Ant2	-8.94	8.00	Pass
ax40	2452	Sum	-6.67	8.00	Pass
n20	2412	Ant1	-5.47	8.00	Pass
n20	2412	Ant2	-4.17	8.00	Pass
n20	2412	Sum	-1.76	8.00	Pass
n20	2437	Ant1	-5.25	8.00	Pass
n20	2437	Ant2	-4.84	8.00	Pass
n20	2437	Sum	-2.03	8.00	Pass
n20	2462	Ant1	-5.19	8.00	Pass

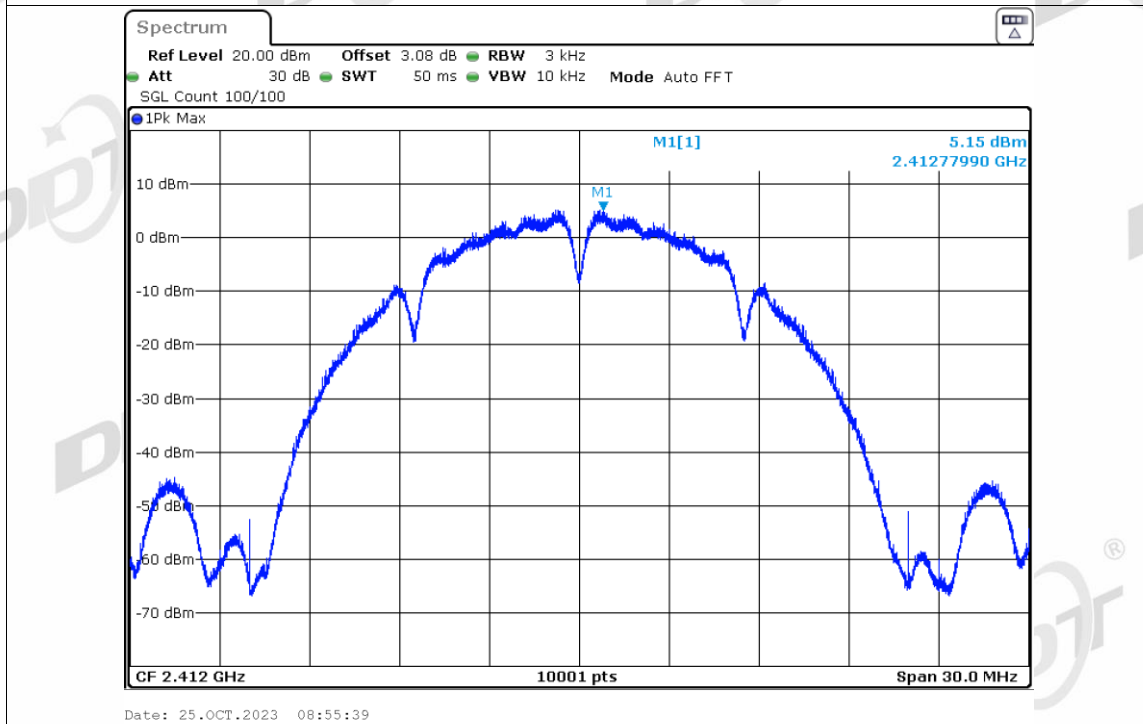
n20	2462	Ant2	-4.13	8.00	Pass
n20	2462	Sum	-1.62	8.00	Pass
n40	2422	Ant1	-8.35	8.00	Pass
n40	2422	Ant2	-6.06	8.00	Pass
n40	2422	Sum	-4.05	8.00	Pass
n40	2437	Ant1	-7.96	8.00	Pass
n40	2437	Ant2	-7.41	8.00	Pass
n40	2437	Sum	-4.67	8.00	Pass
n40	2452	Ant1	-7.94	8.00	Pass
n40	2452	Ant2	-6.23	8.00	Pass
n40	2452	Sum	-3.99	8.00	Pass

6.5. original test data

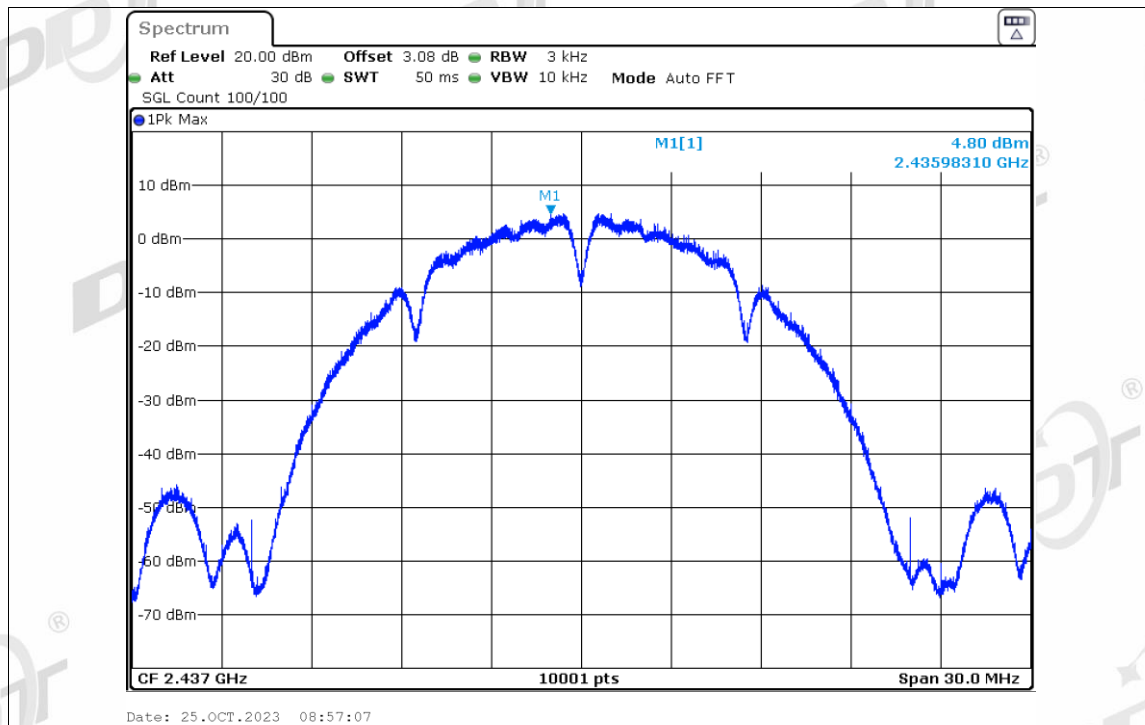




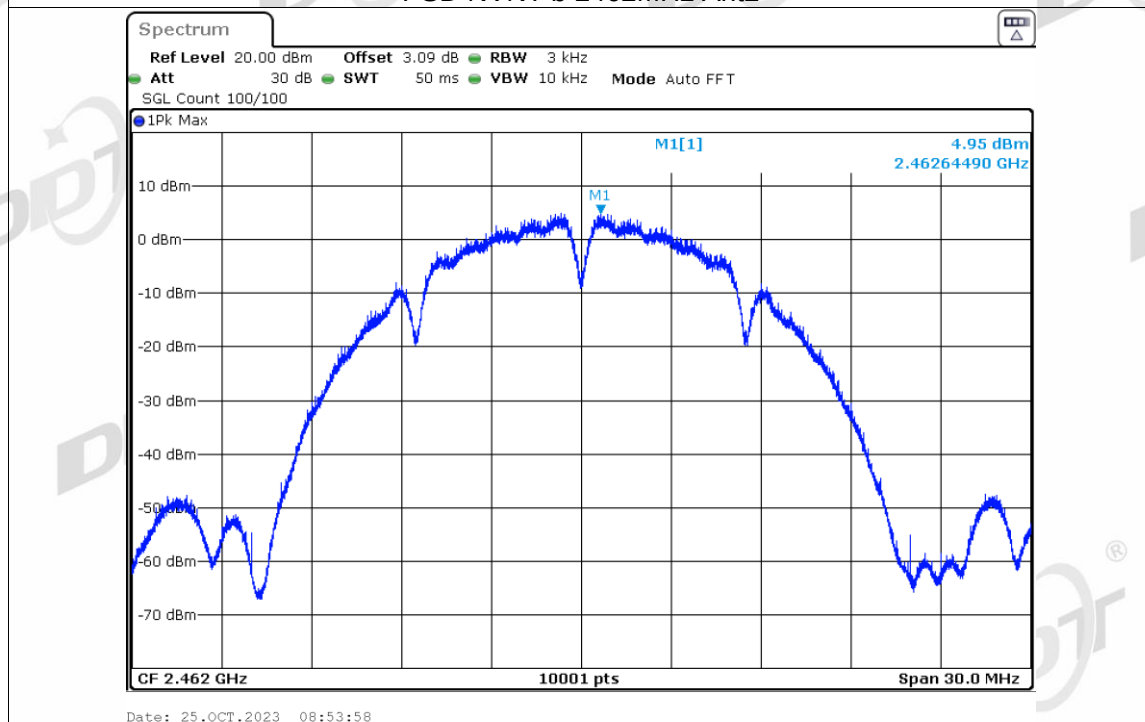
PSD NVNT b 2412MHz Ant2



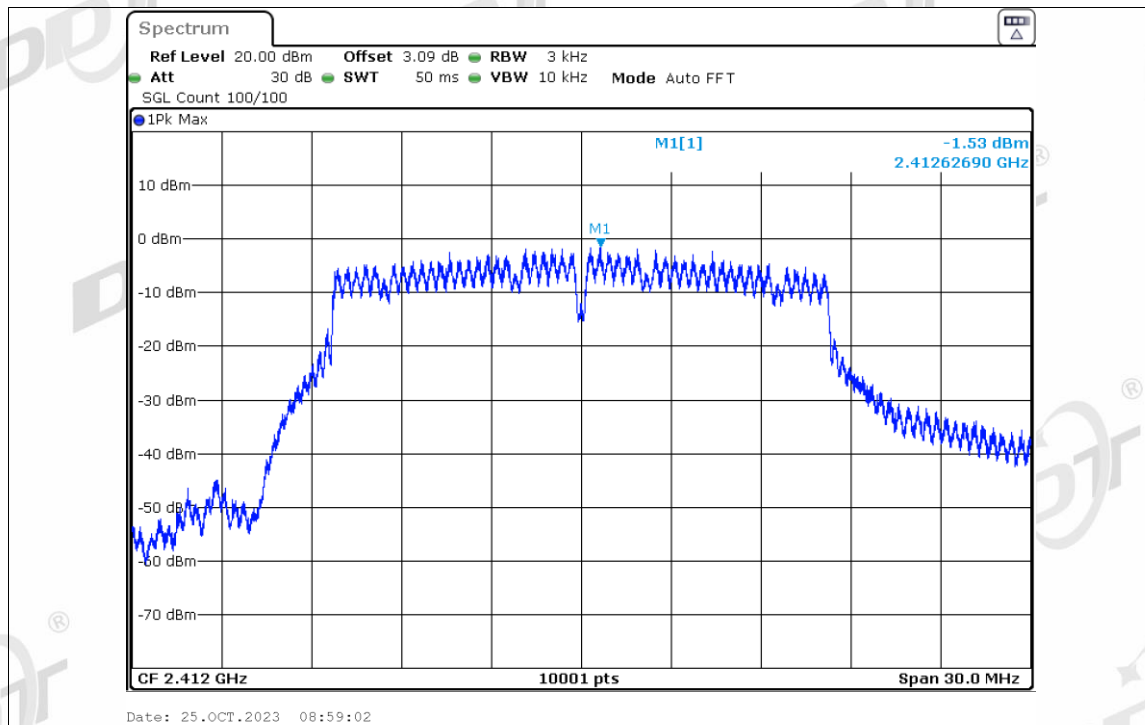
PSD NVNT b 2437MHz Ant2



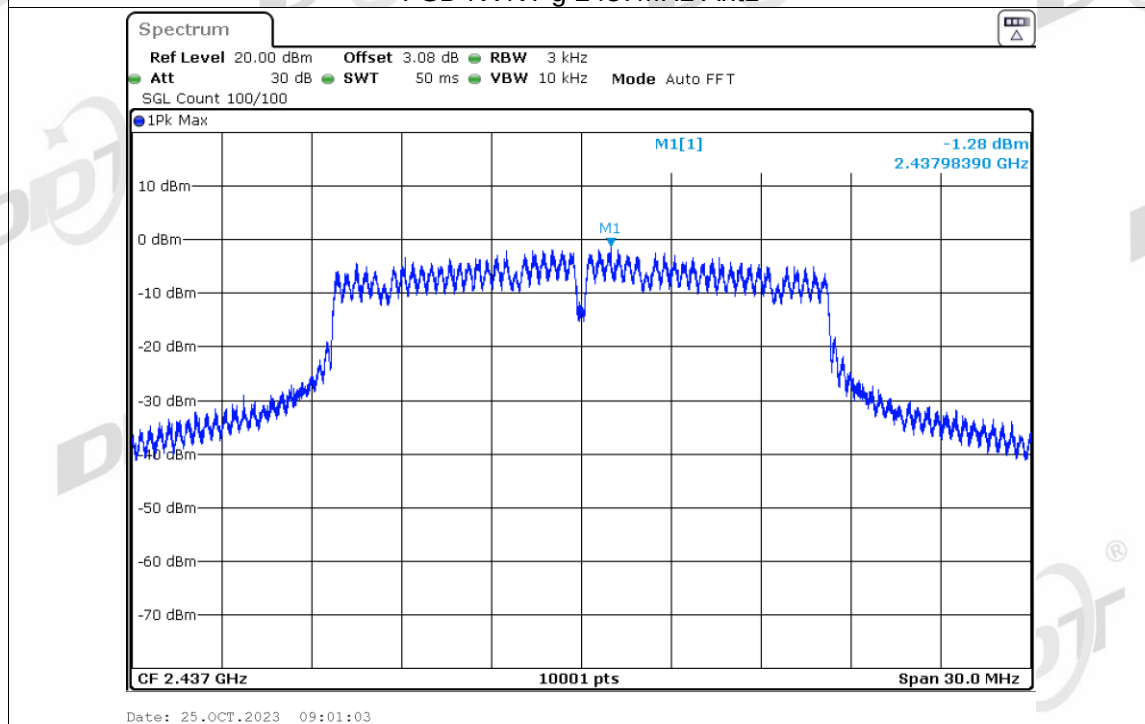
PSD NVNT b 2462MHz Ant2



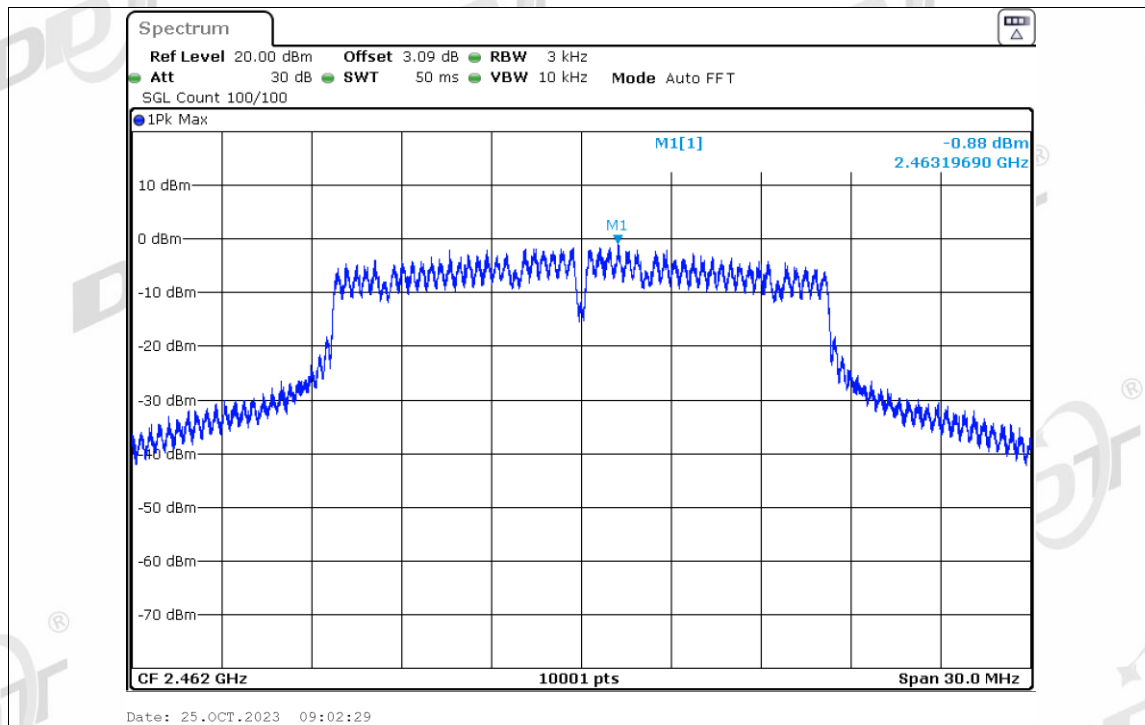
PSD NVNT g 2412MHz Ant1



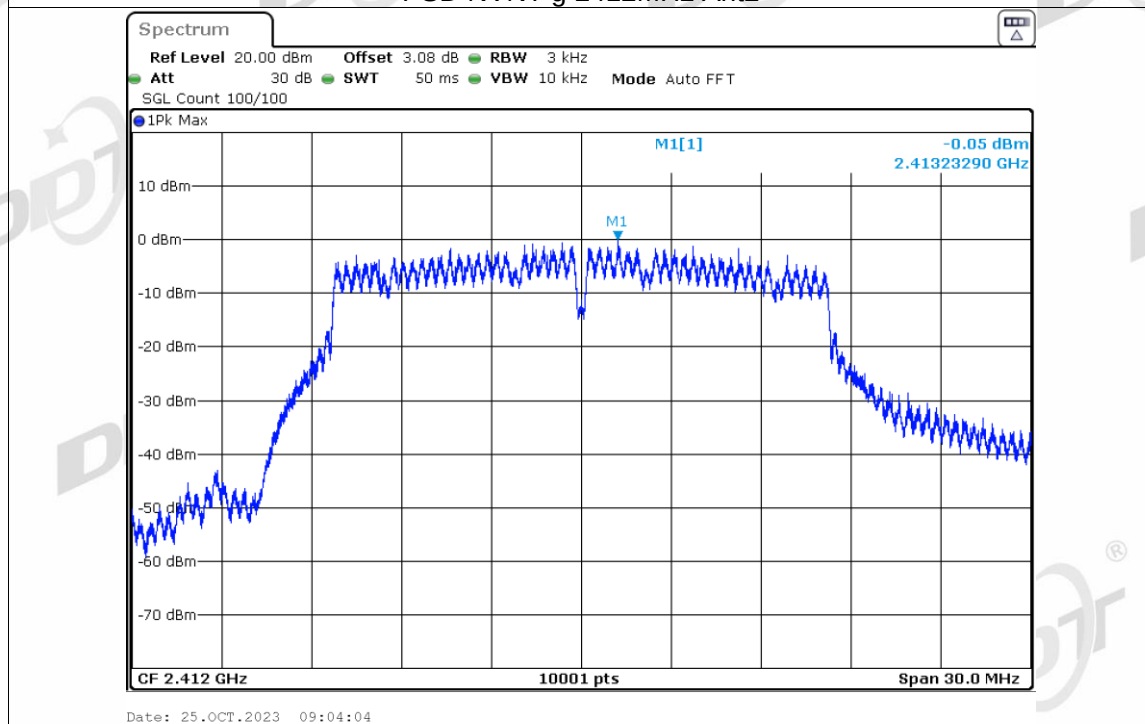
PSD NVNT g 2437MHz Ant1



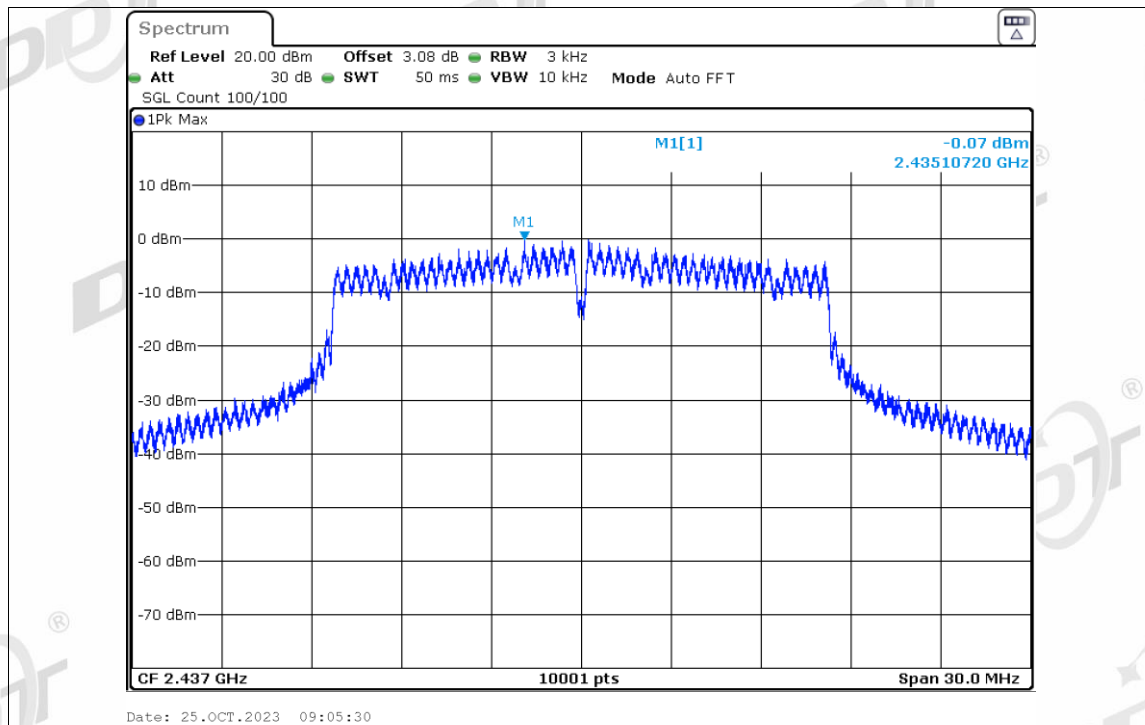
PSD NVNT g 2462MHz Ant1



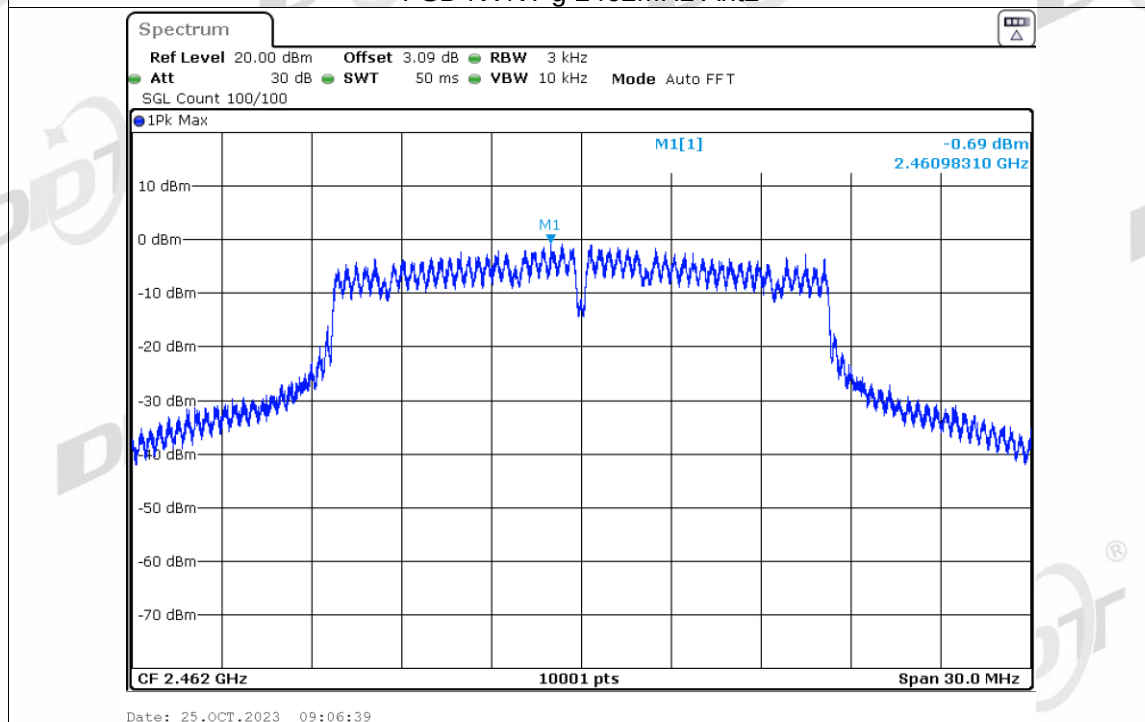
PSD NVNT g 2412MHz Ant2



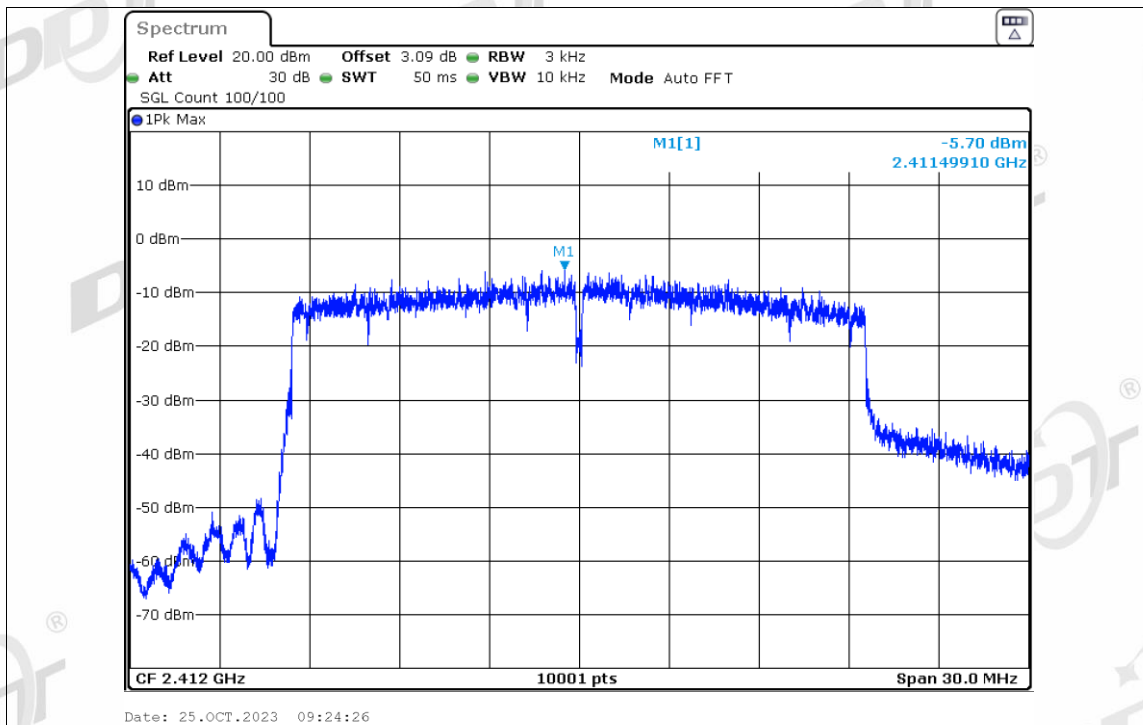
PSD NVNT g 2437MHz Ant2



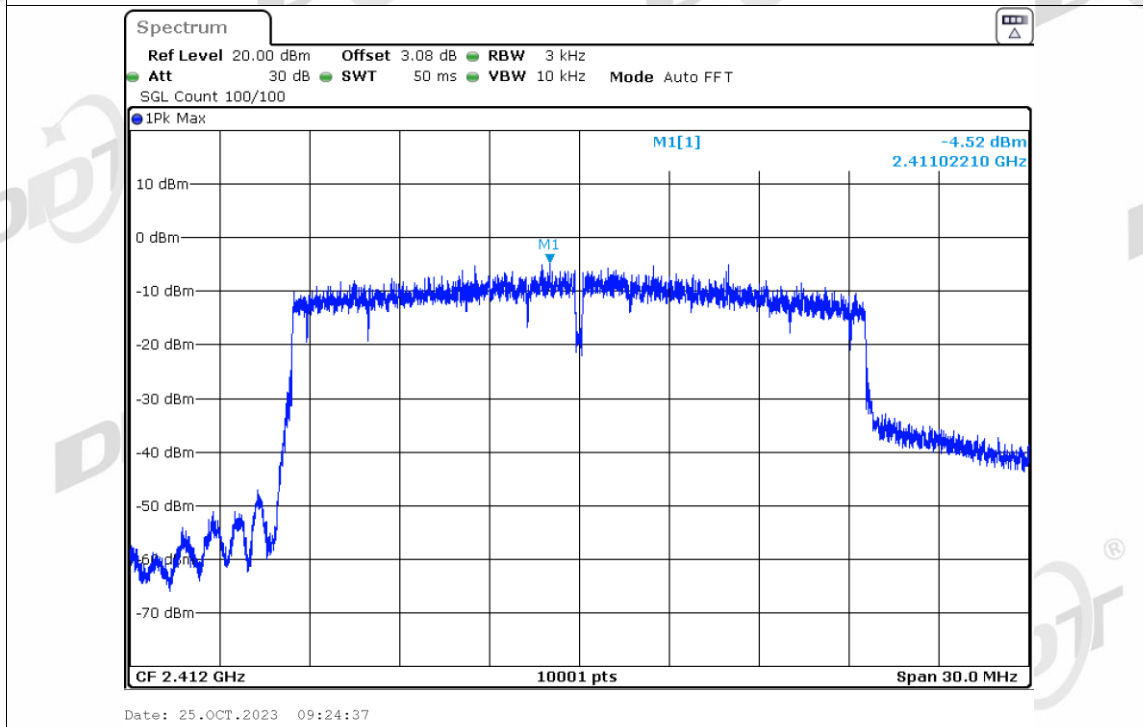
PSD NVNT g 2462MHz Ant2



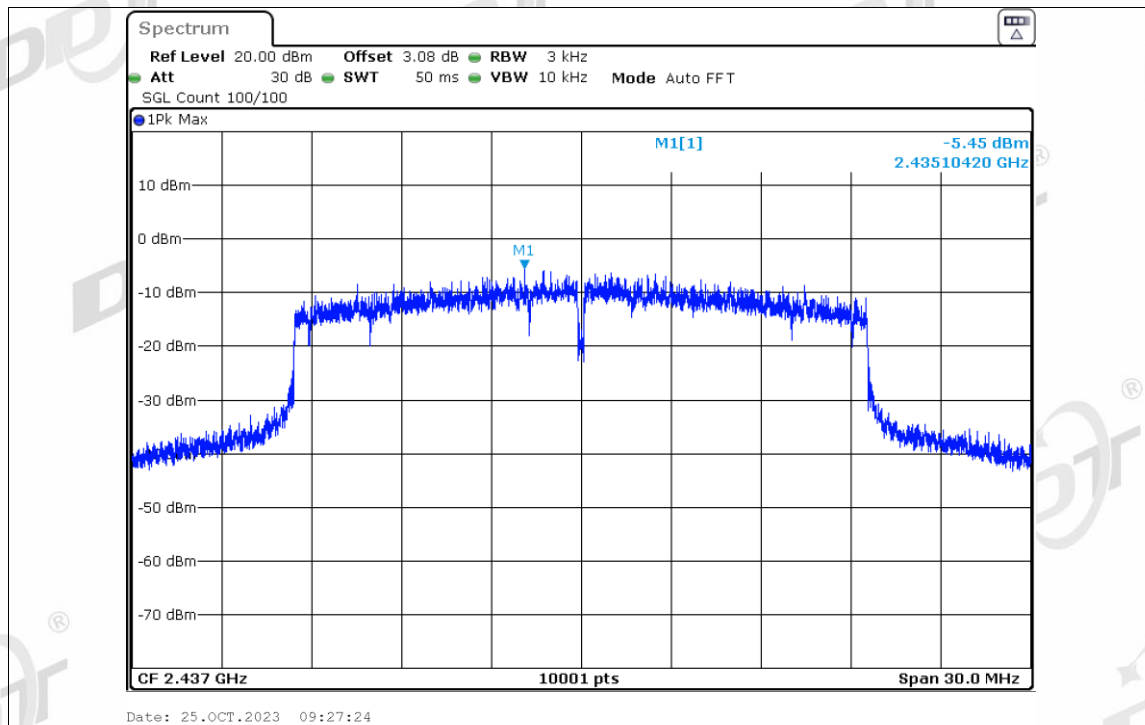
PSD NVNT ax20 2412MHz Ant1



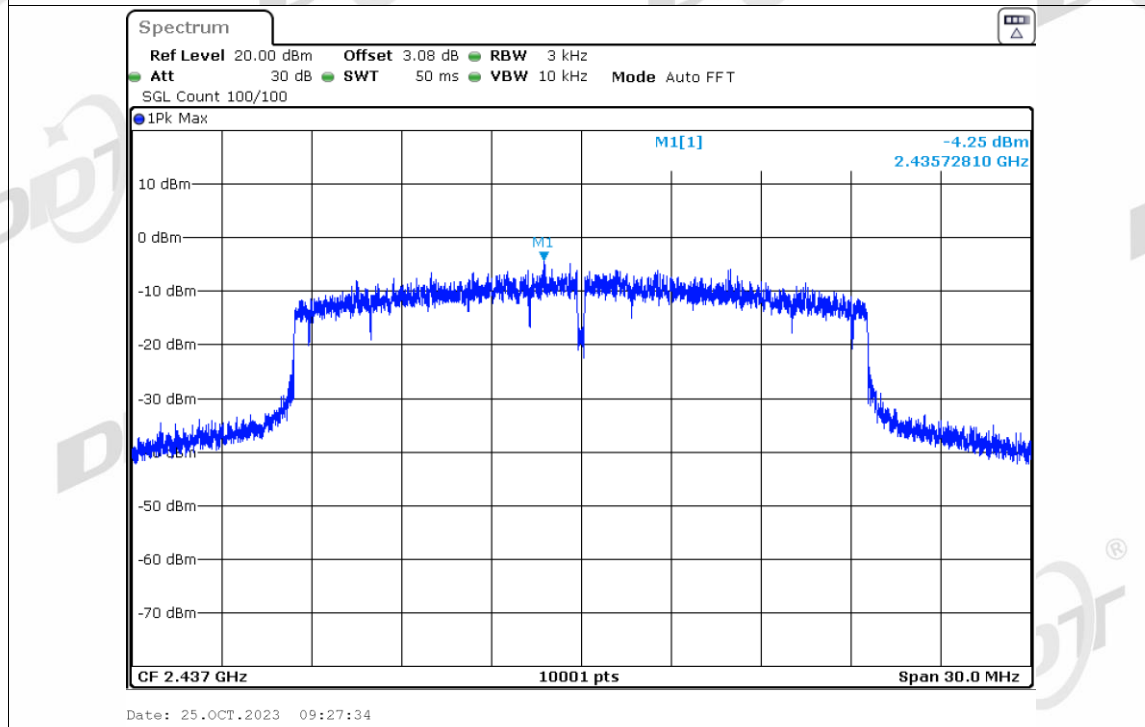
PSD NVNT ax20 2412MHz Ant2



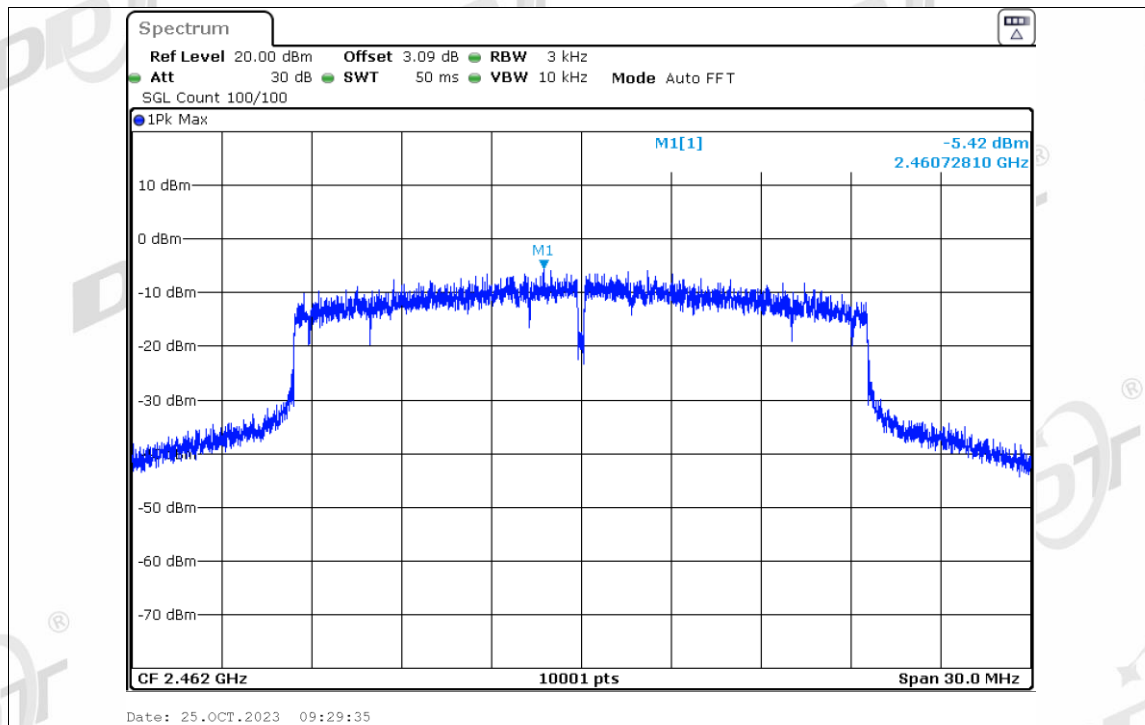
PSD NVNT ax20 2437MHz Ant1



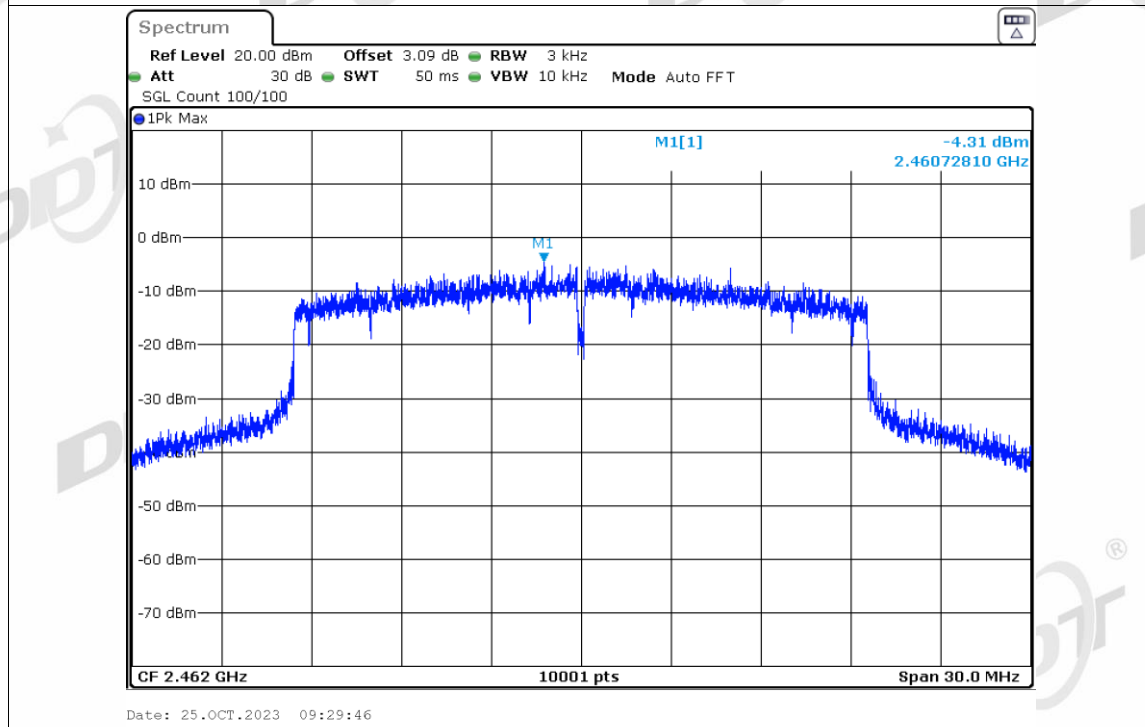
PSD NVNT ax20 2437MHz Ant2



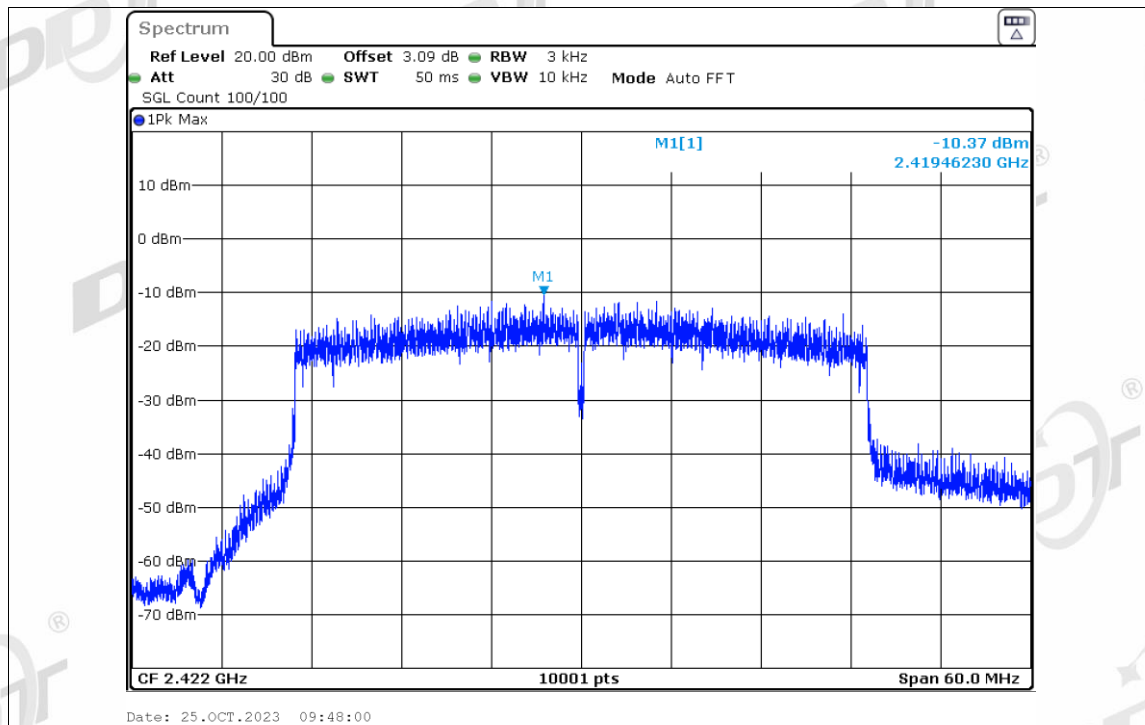
PSD NVNT ax20 2462MHz Ant1



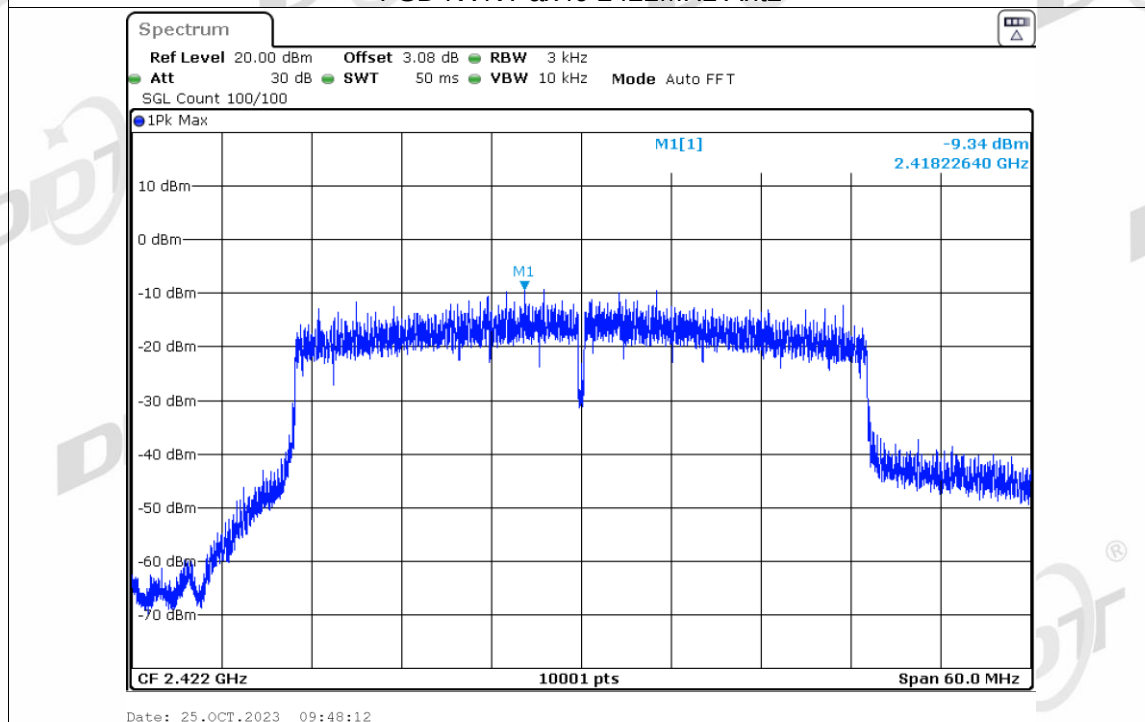
PSD NVNT ax20 2462MHz Ant2



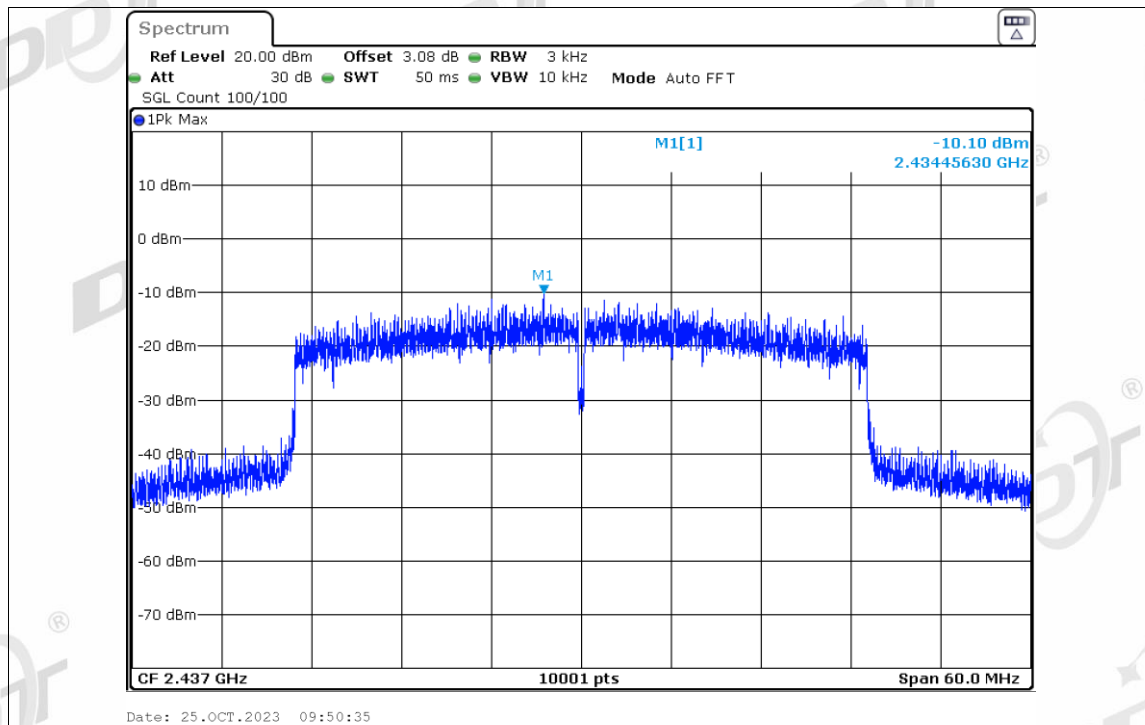
PSD NVNT ax40 2422MHz Ant1



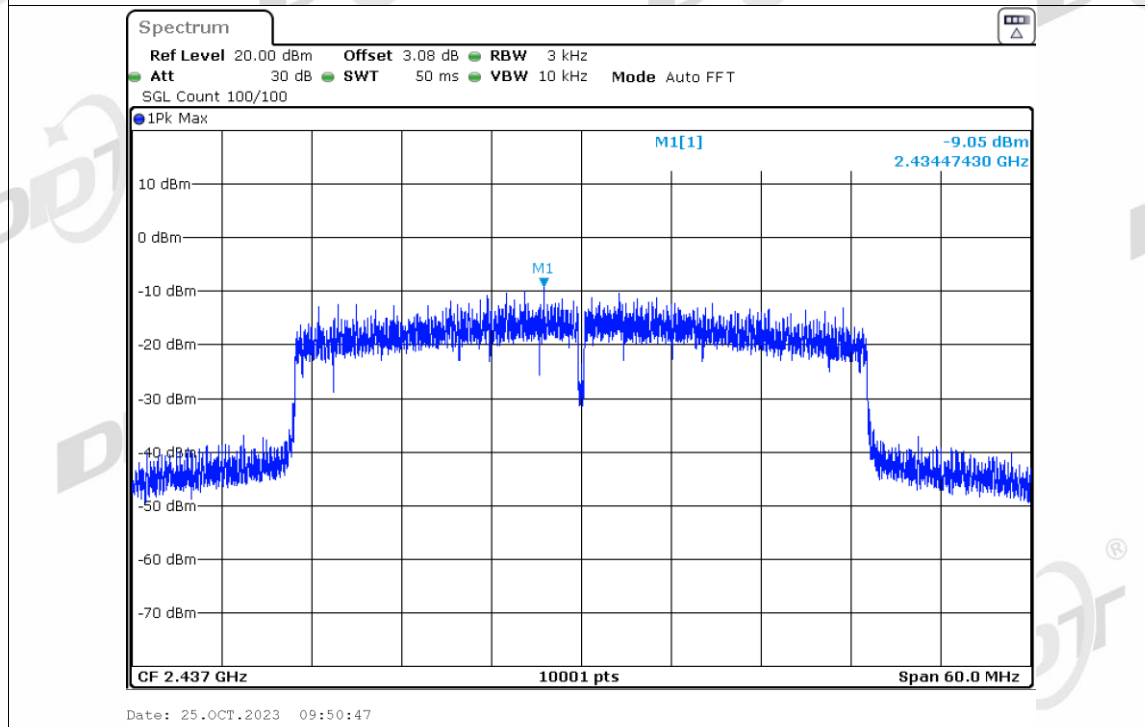
PSD NVNT ax40 2422MHz Ant2



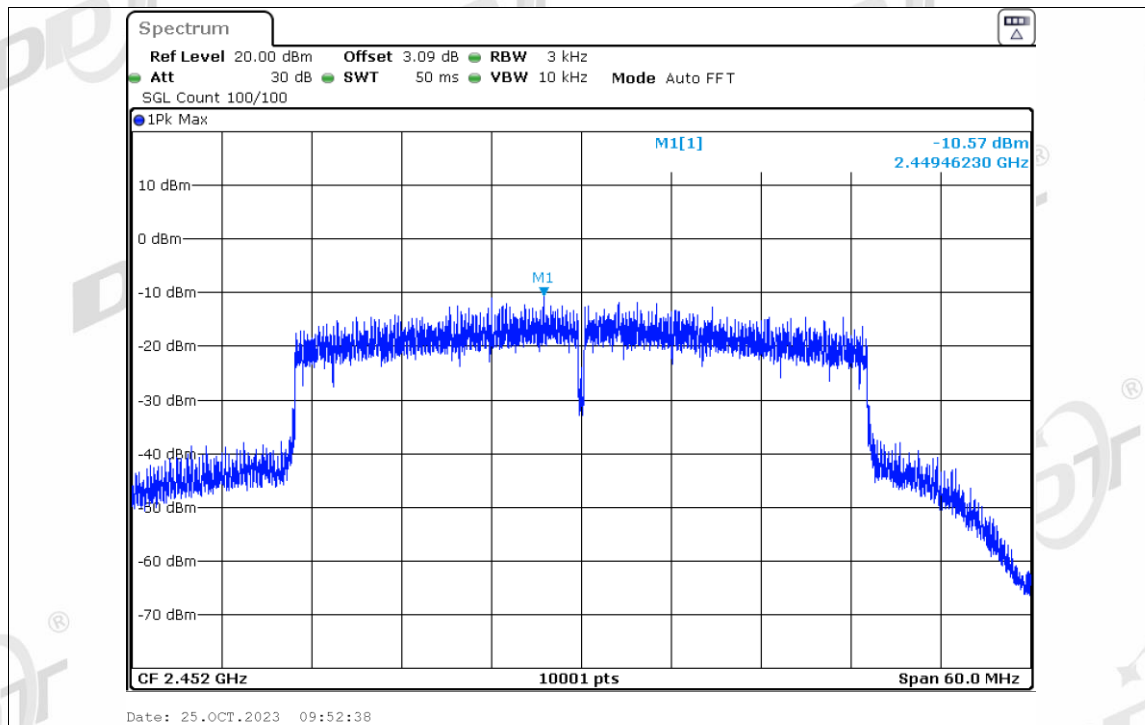
PSD NVNT ax40 2437MHz Ant1



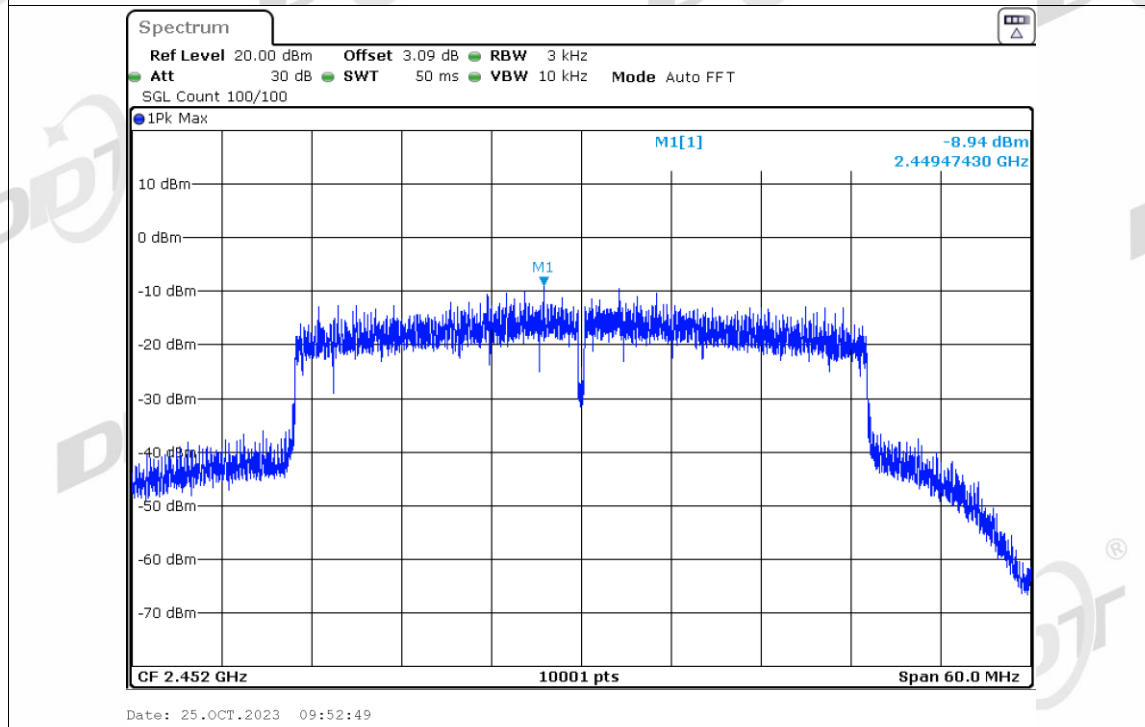
PSD NVNT ax40 2437MHz Ant2



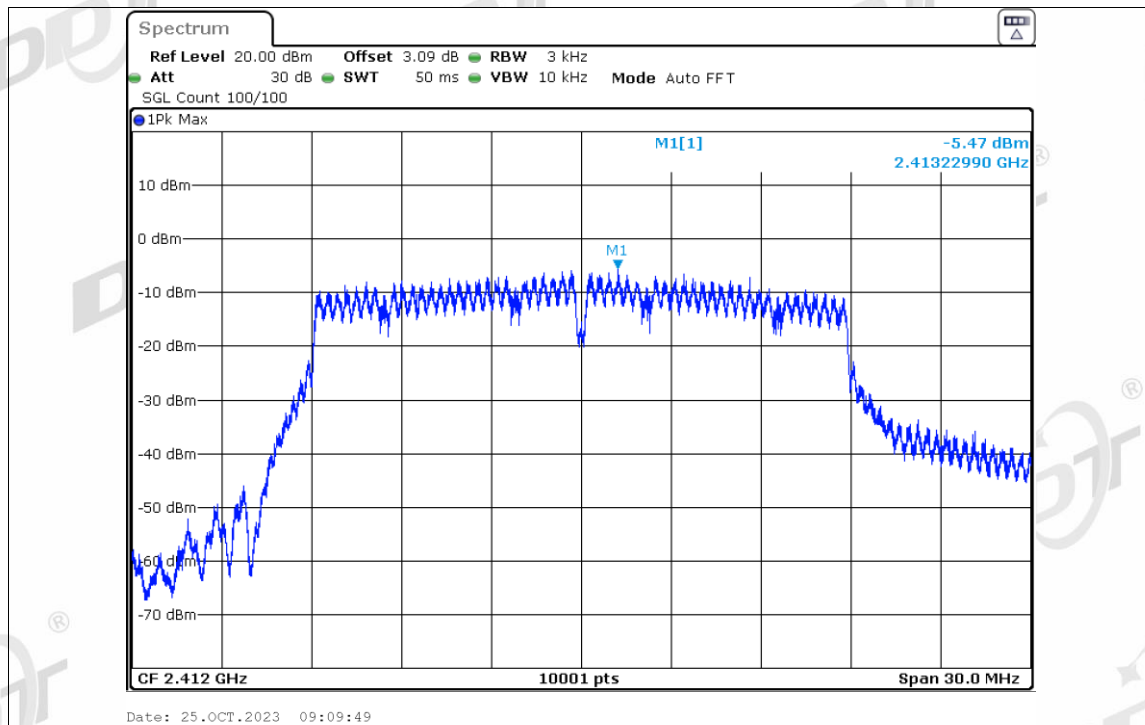
PSD NVNT ax40 2452MHz Ant1



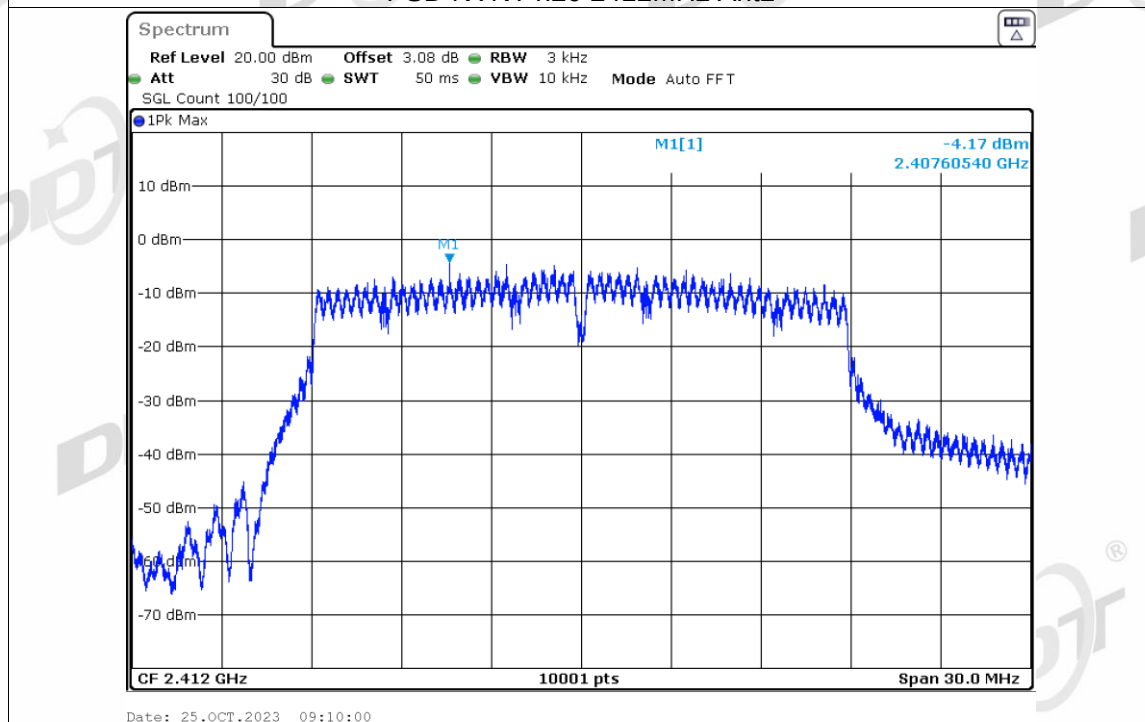
PSD NVNT ax40 2452MHz Ant2



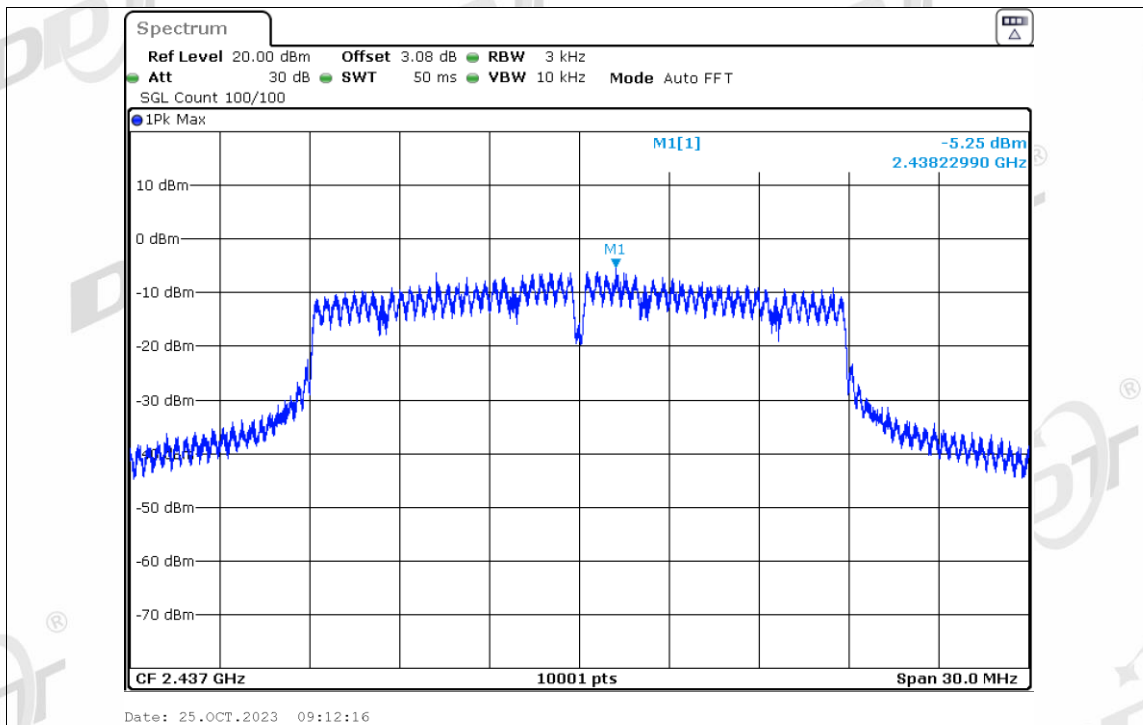
PSD NVNT n20 2412MHz Ant1



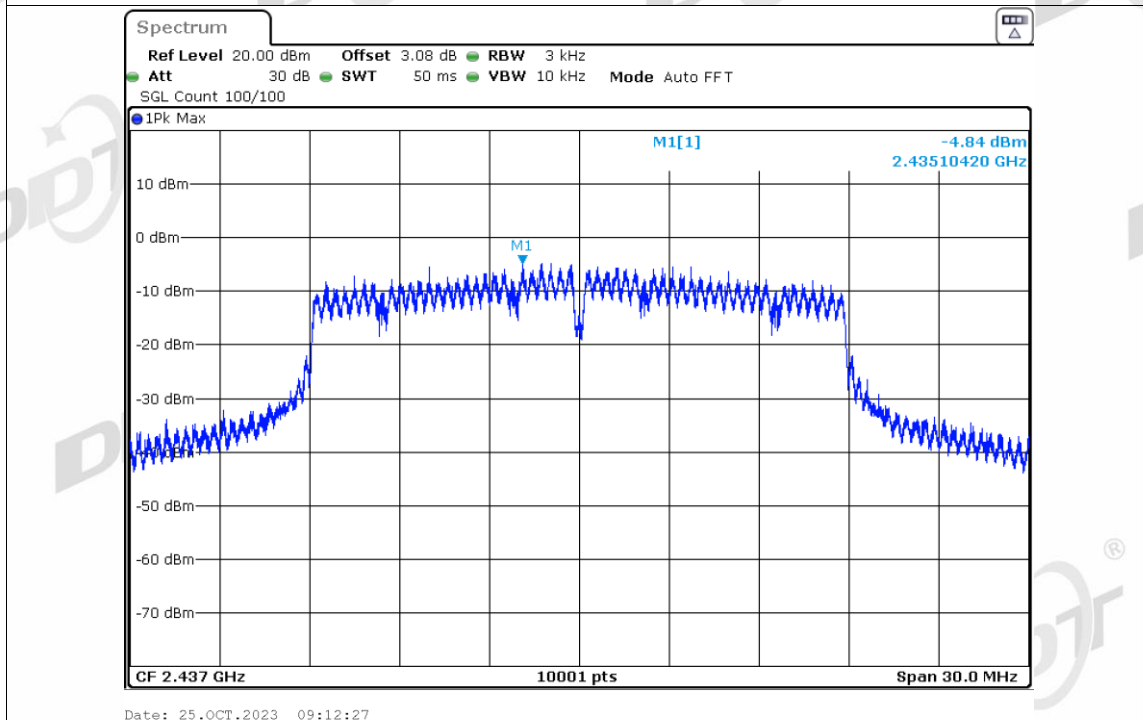
PSD NVNT n20 2412MHz Ant2



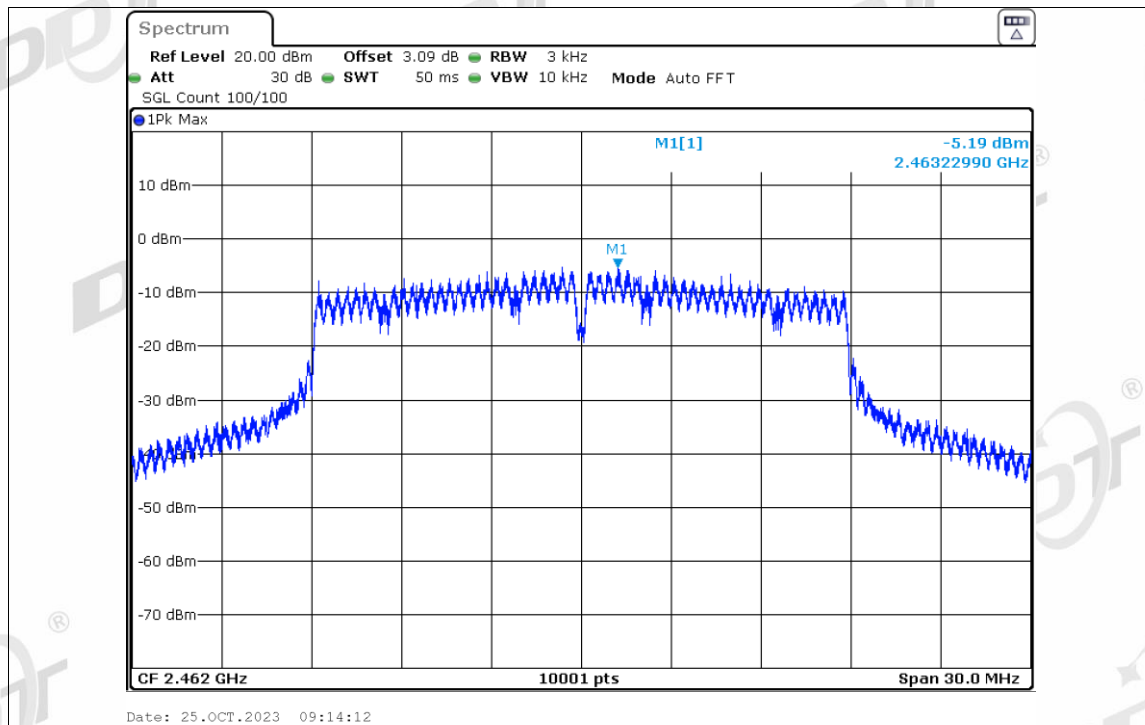
PSD NVNT n20 2437MHz Ant1



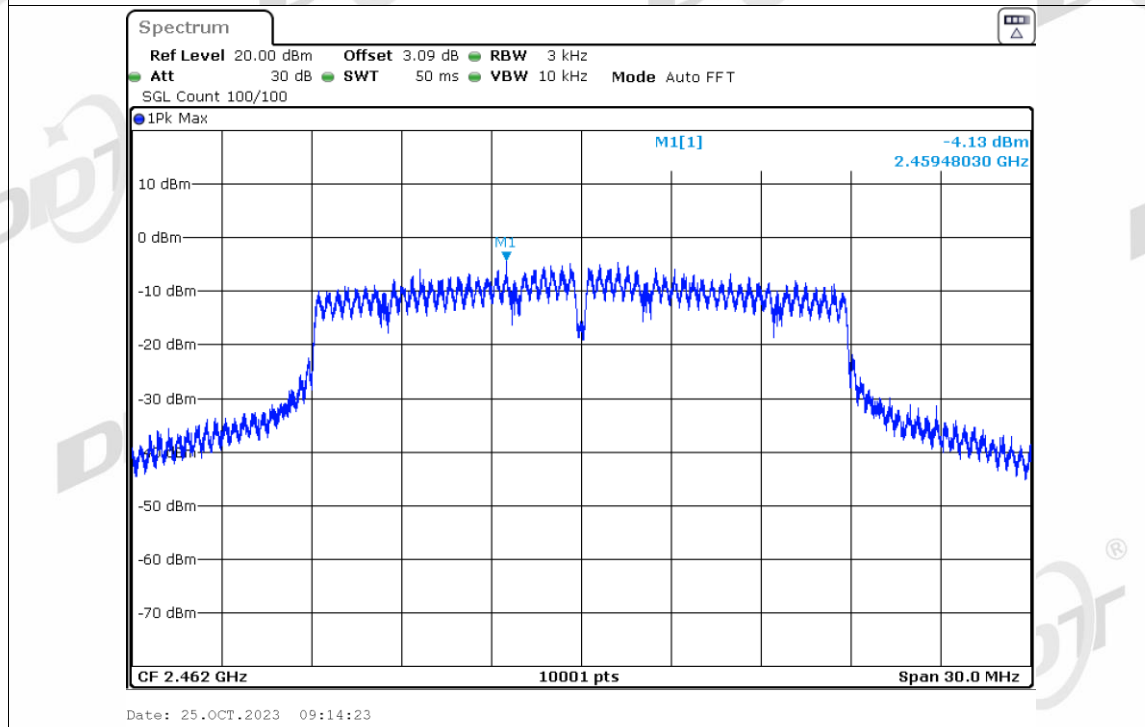
PSD NVNT n20 2437MHz Ant2



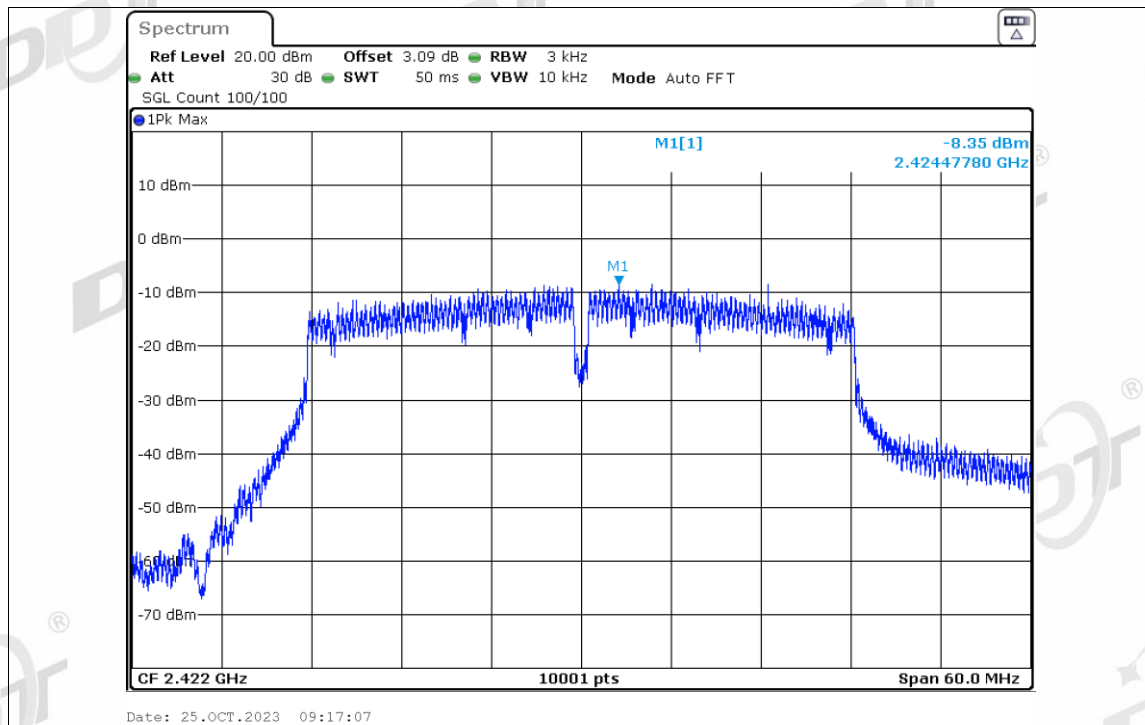
PSD NVNT n20 2462MHz Ant1



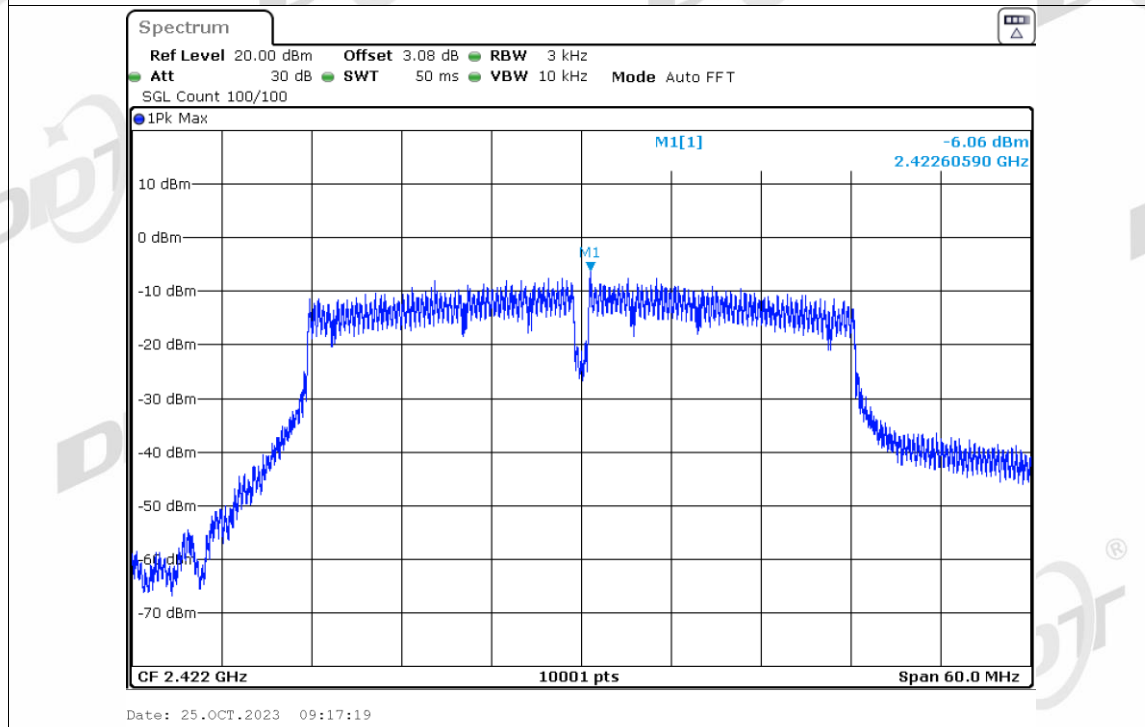
PSD NVNT n20 2462MHz Ant2



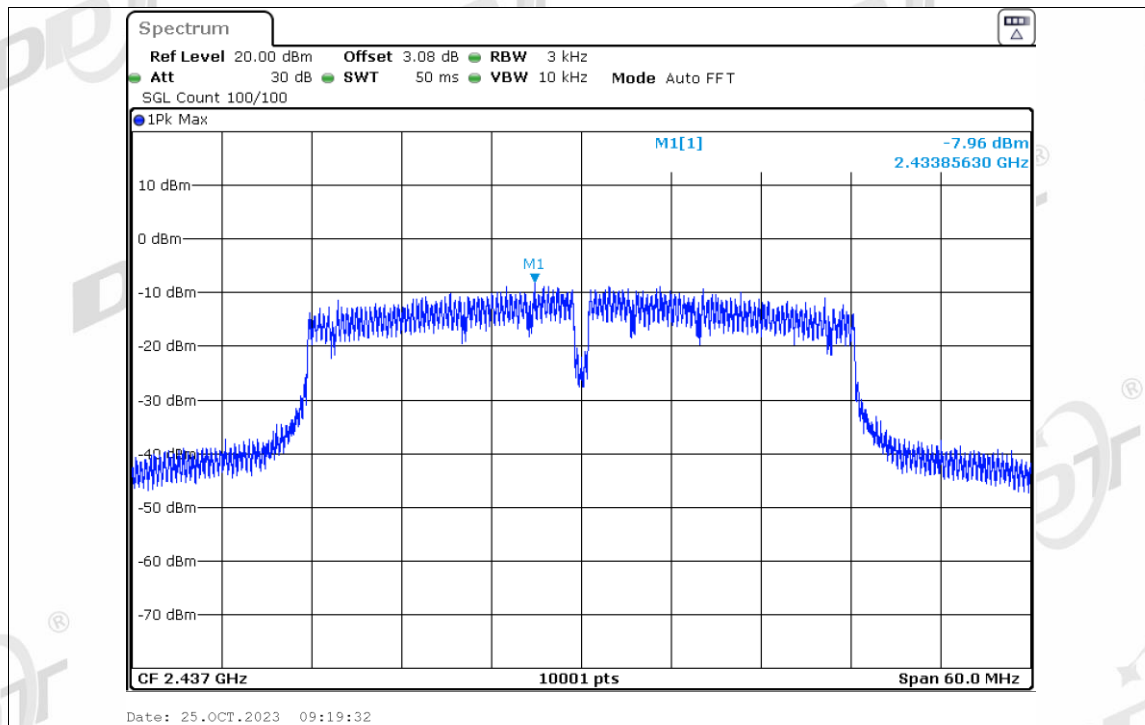
PSD NVNT n40 2422MHz Ant1



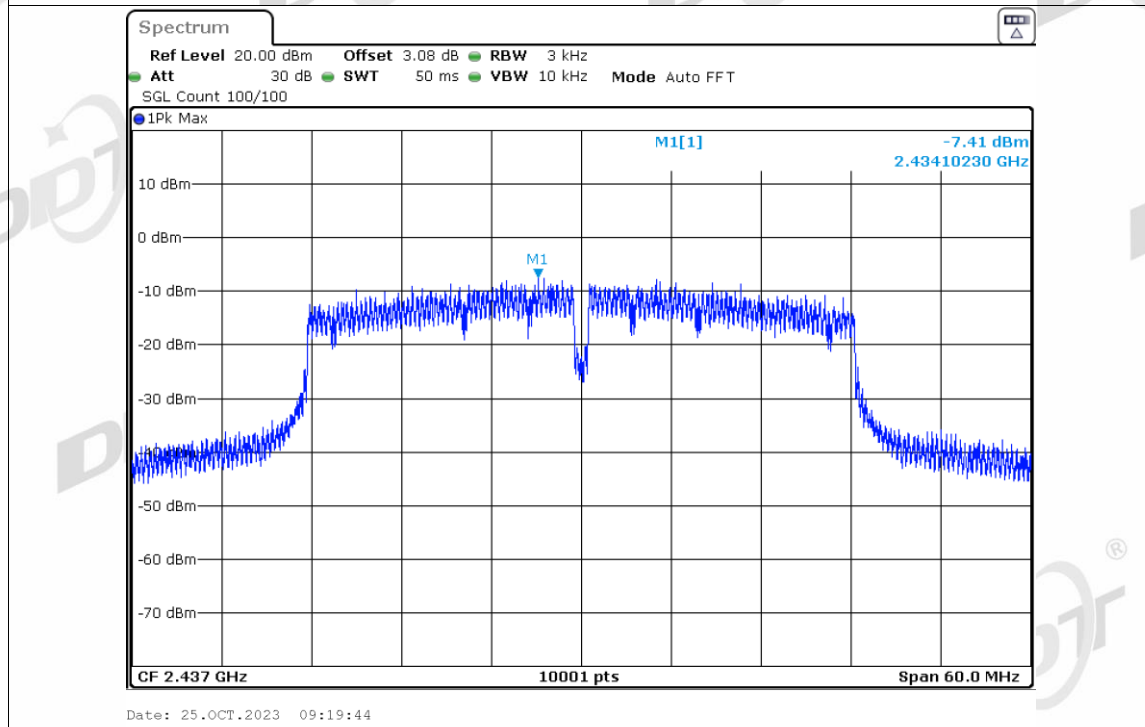
PSD NVNT n40 2422MHz Ant2



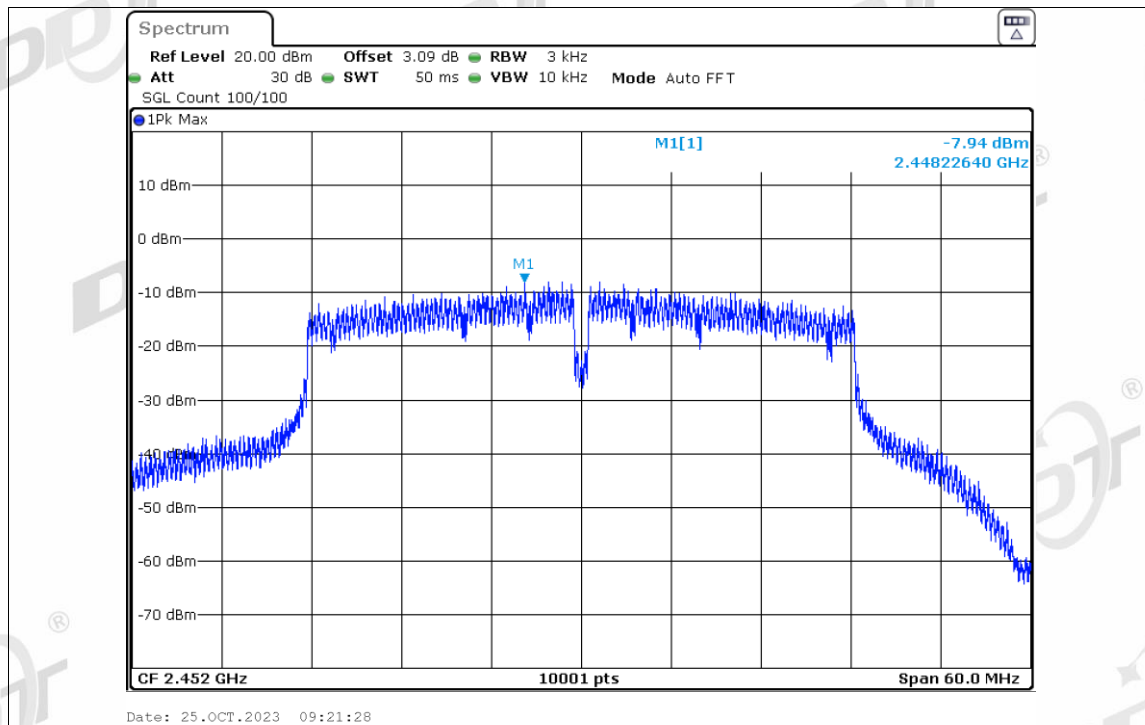
PSD NVNT n40 2437MHz Ant1



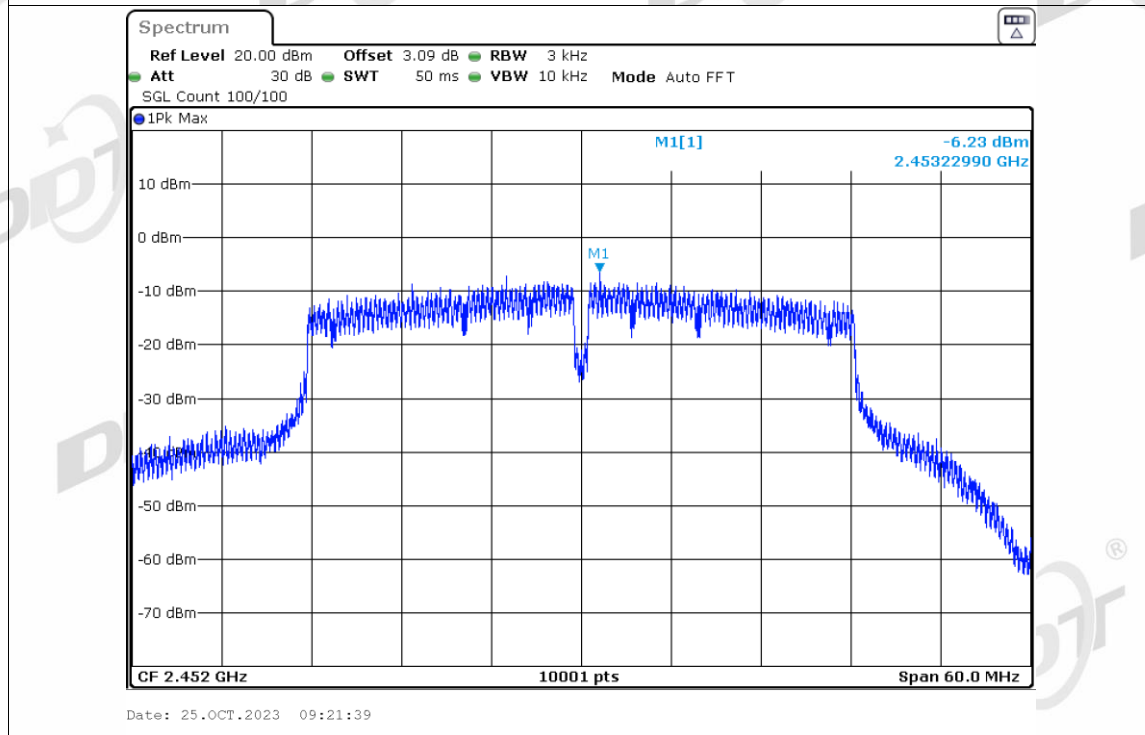
PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant1



PSD NVNT n40 2452MHz Ant2



7. Band Edge Compliance (Conducted Method)

7.1. Block diagram of test setup

Same as section 4.1

7.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

7.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	DTS Channel center frequency
RBW:	100 kHz
VBW:	300 kHz
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

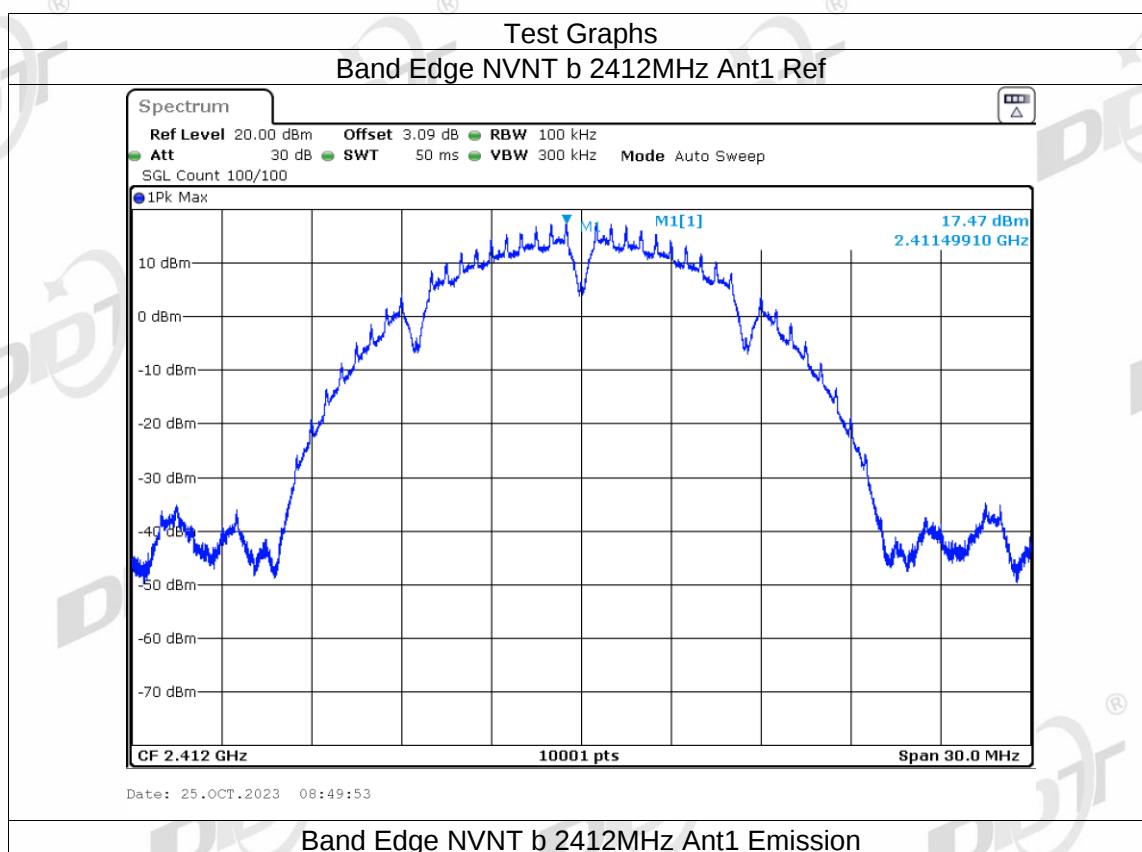
RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{span/RBW}$
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

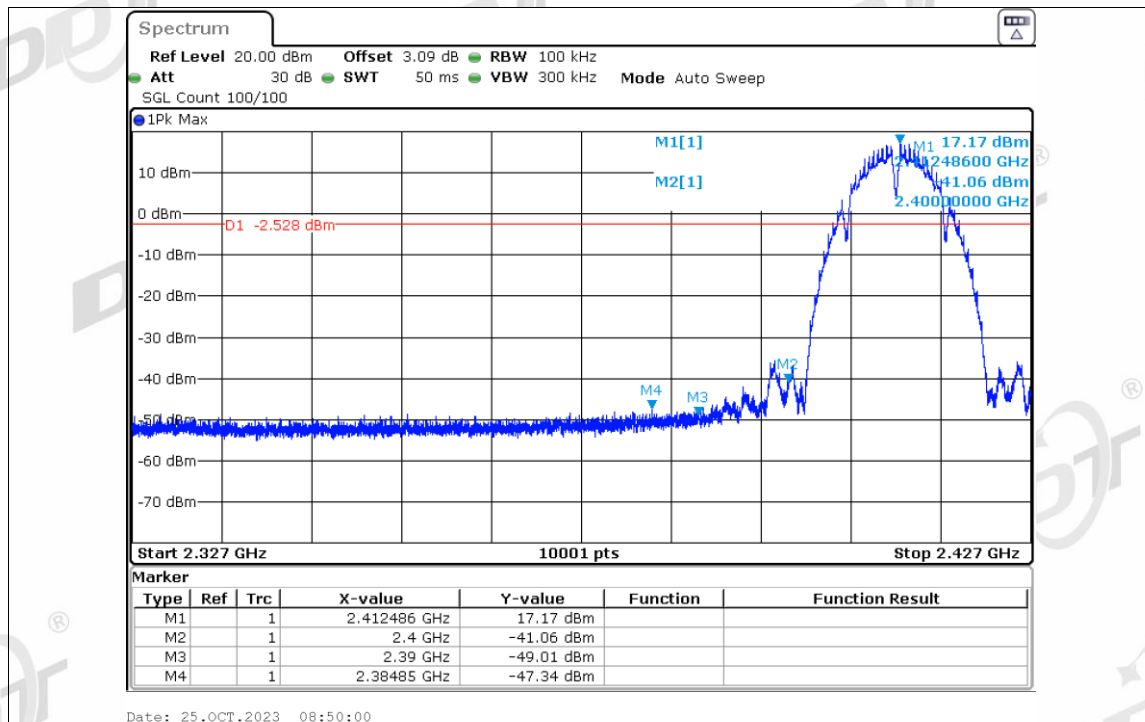
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

7.4. Test result

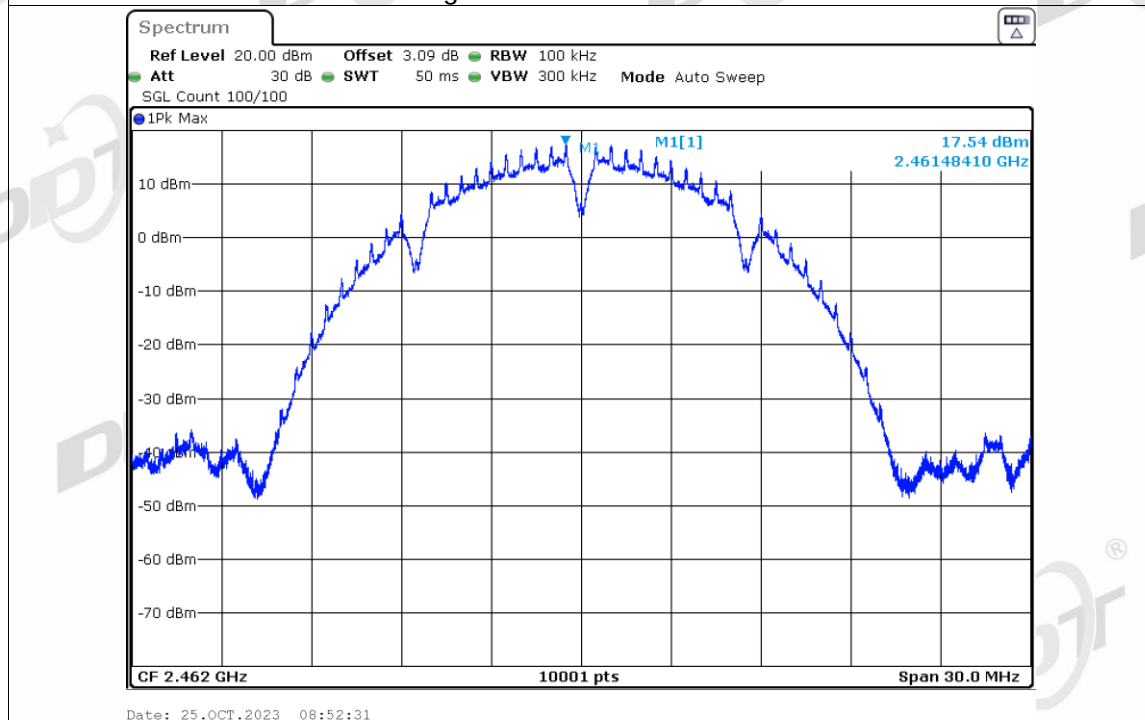
EUT Set Mode	CH or Frequency	Ant1 Result (dBm)	EUT Set Mode	CH or Frequency	Ant1 Result (dBm)
11b	CH1	Pass	11n HT 20	CH1	Pass
	CH11	Pass		CH11	Pass
11g	CH1	Pass	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass
11ax HE 20	CH1	Pass	11ax HE 40	CH3	Pass
	CH11	Pass		CH9	Pass

7.5. original test data

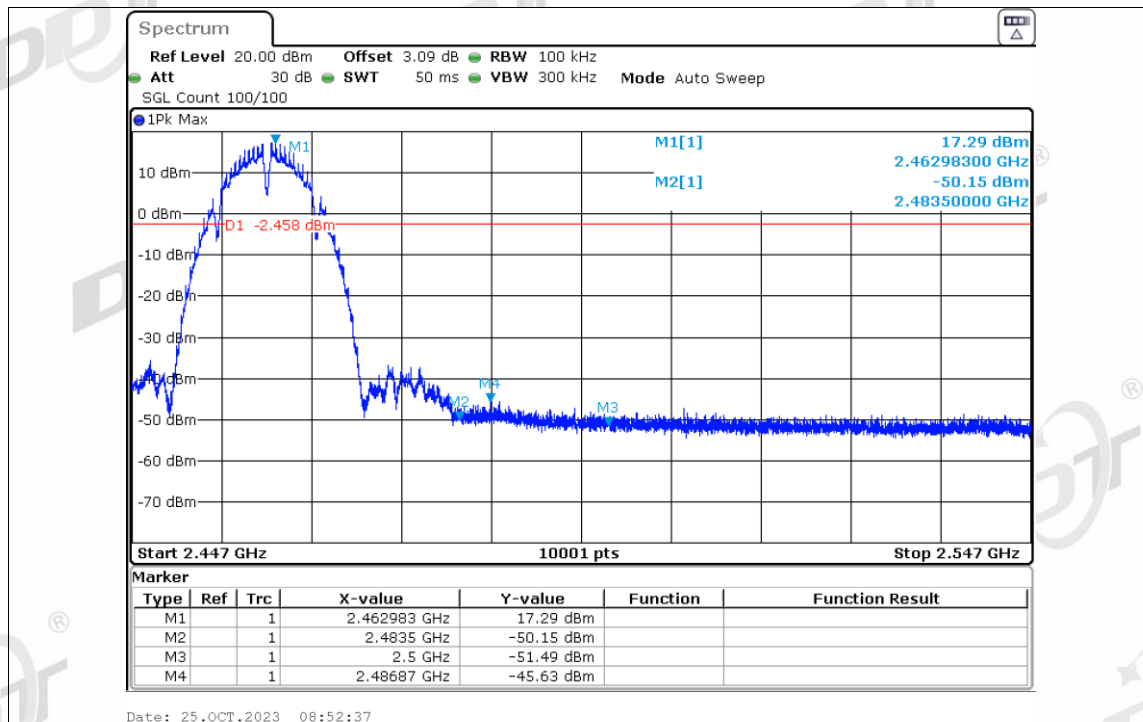




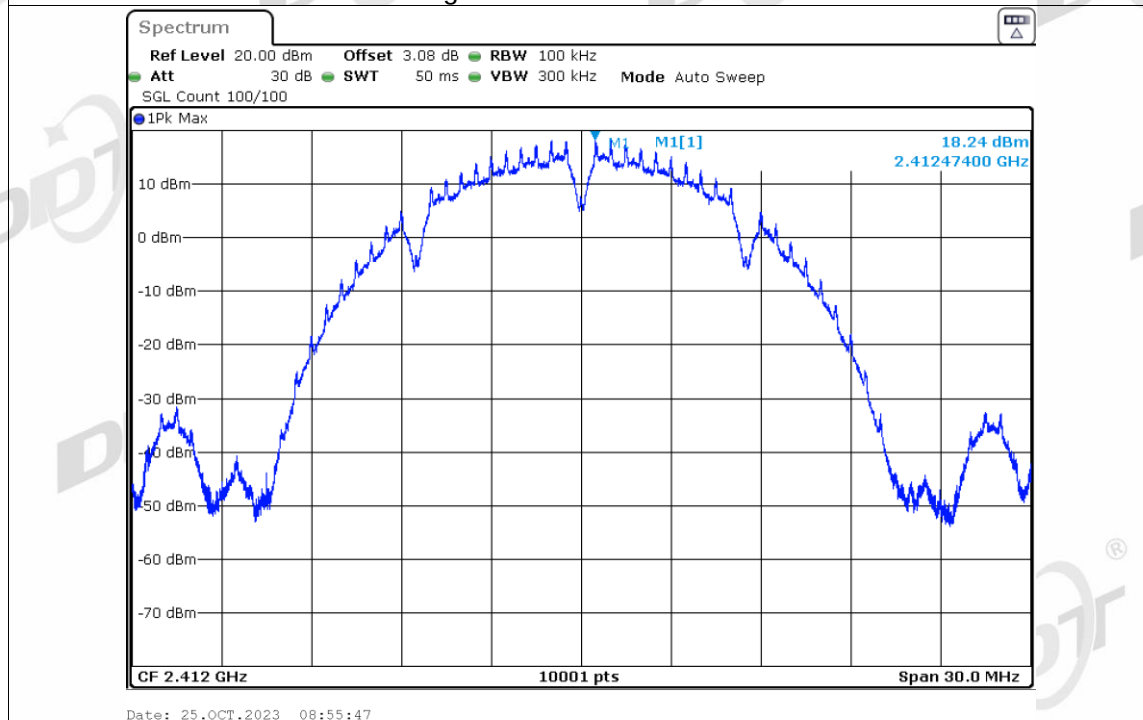
Band Edge NVNT b 2462MHz Ant1 Ref



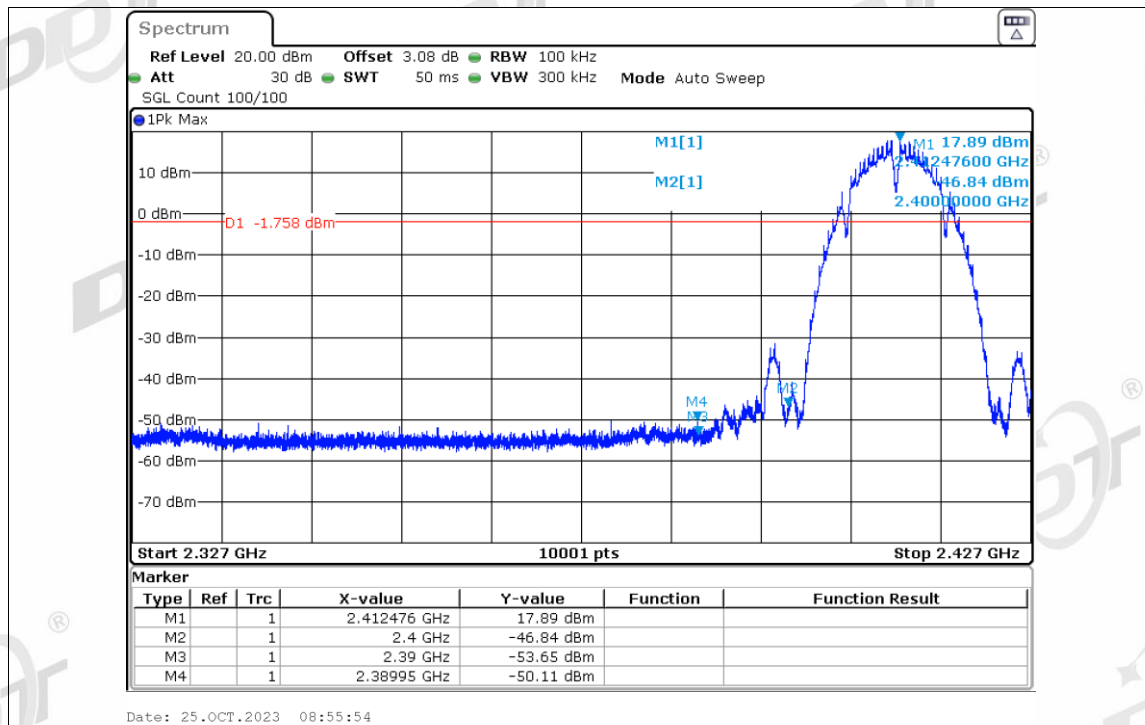
Band Edge NVNT b 2462MHz Ant1 Emission



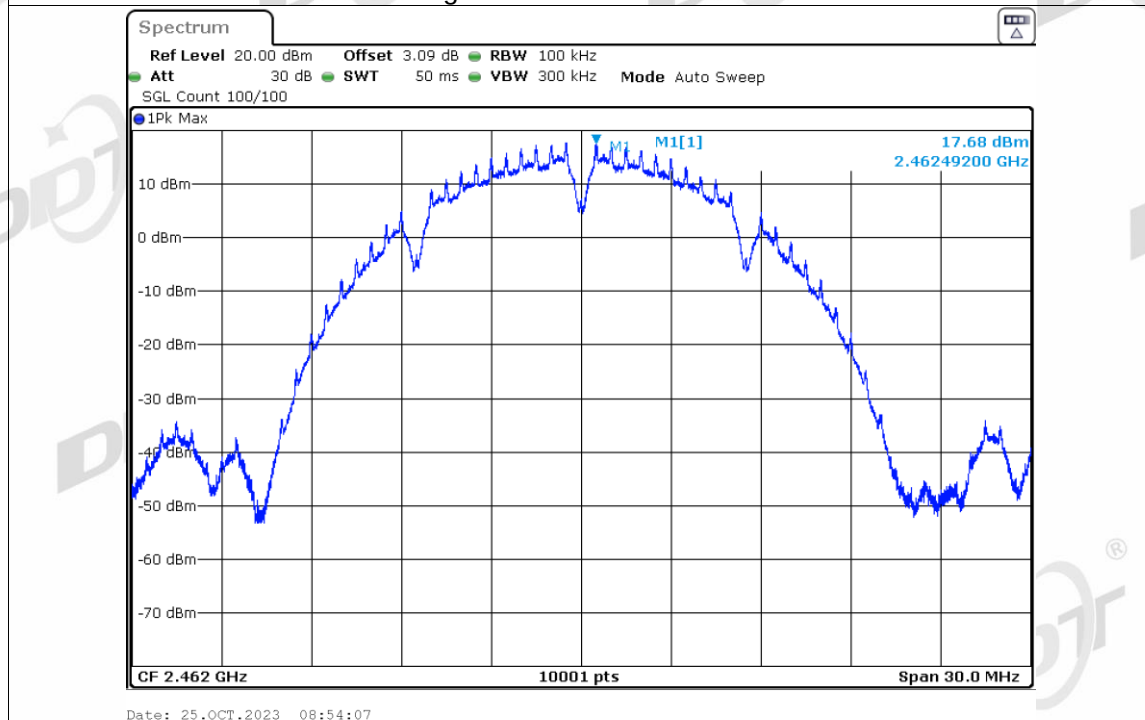
Band Edge NVNT b 2412MHz Ant2 Ref



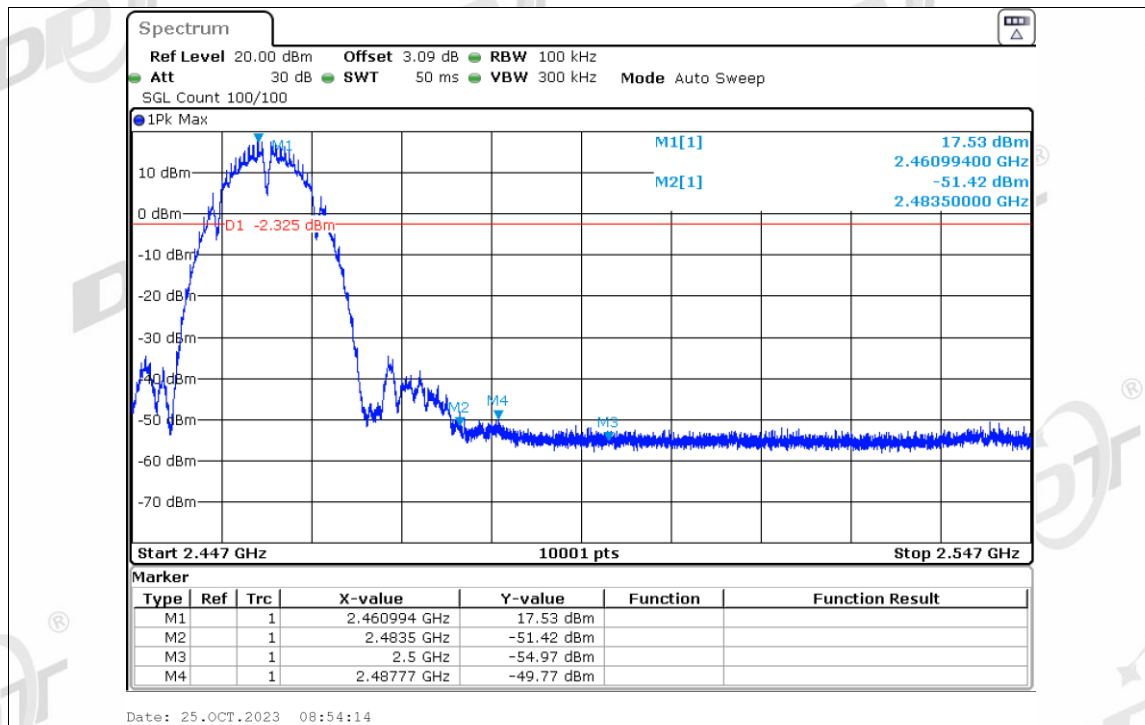
Band Edge NVNT b 2412MHz Ant2 Emission



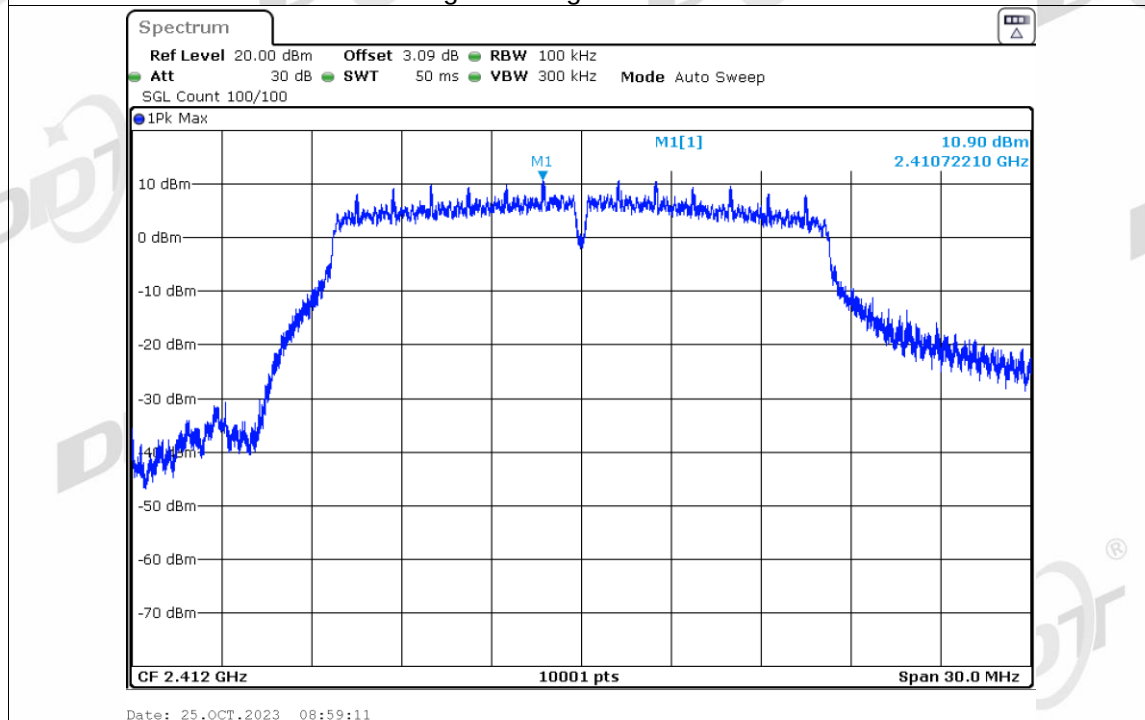
Band Edge NVNT b 2462MHz Ant2 Ref



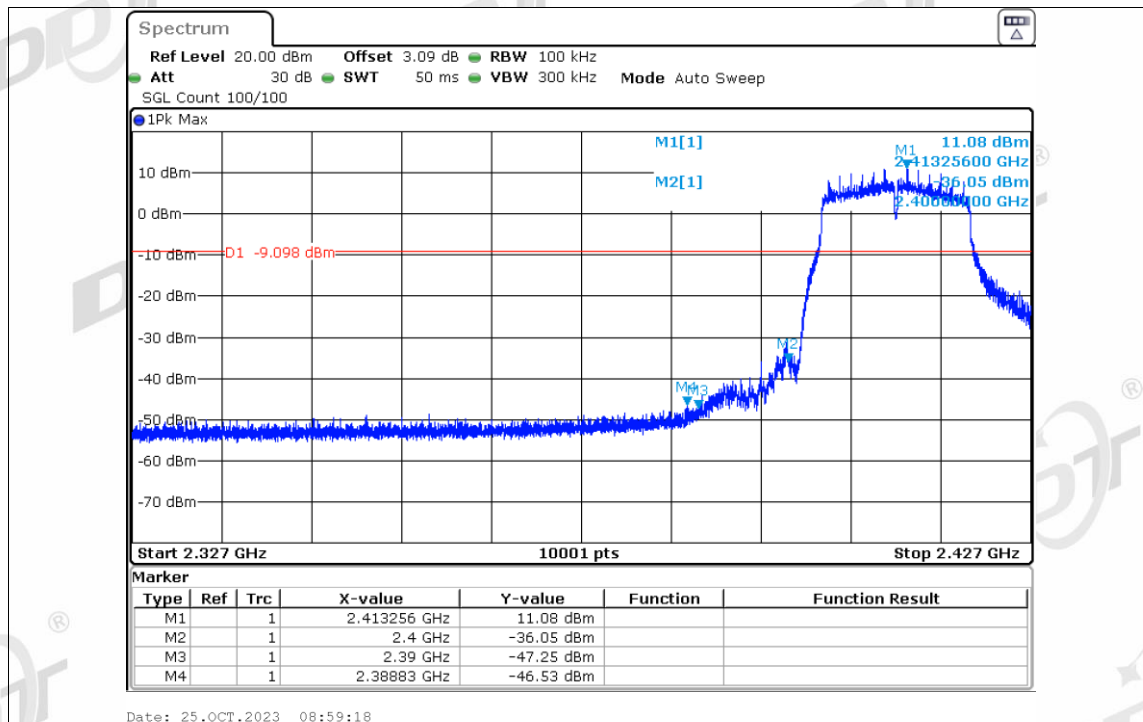
Band Edge NVNT b 2462MHz Ant2 Emission



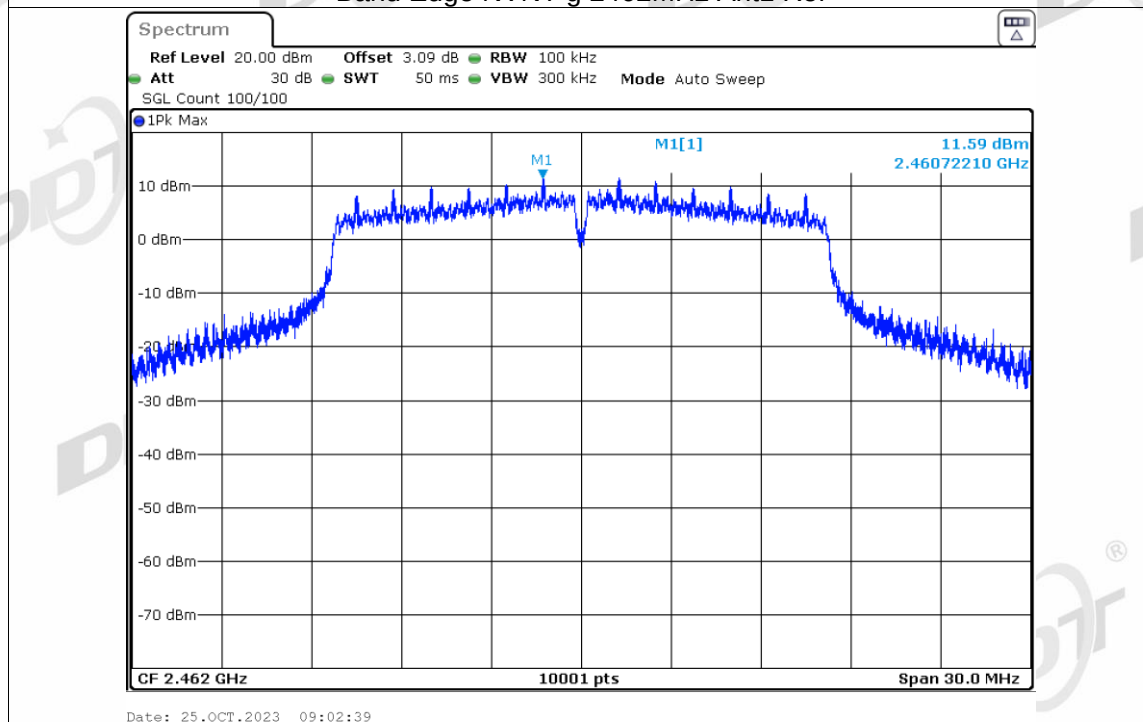
Band Edge NVNT g 2412MHz Ant1 Ref



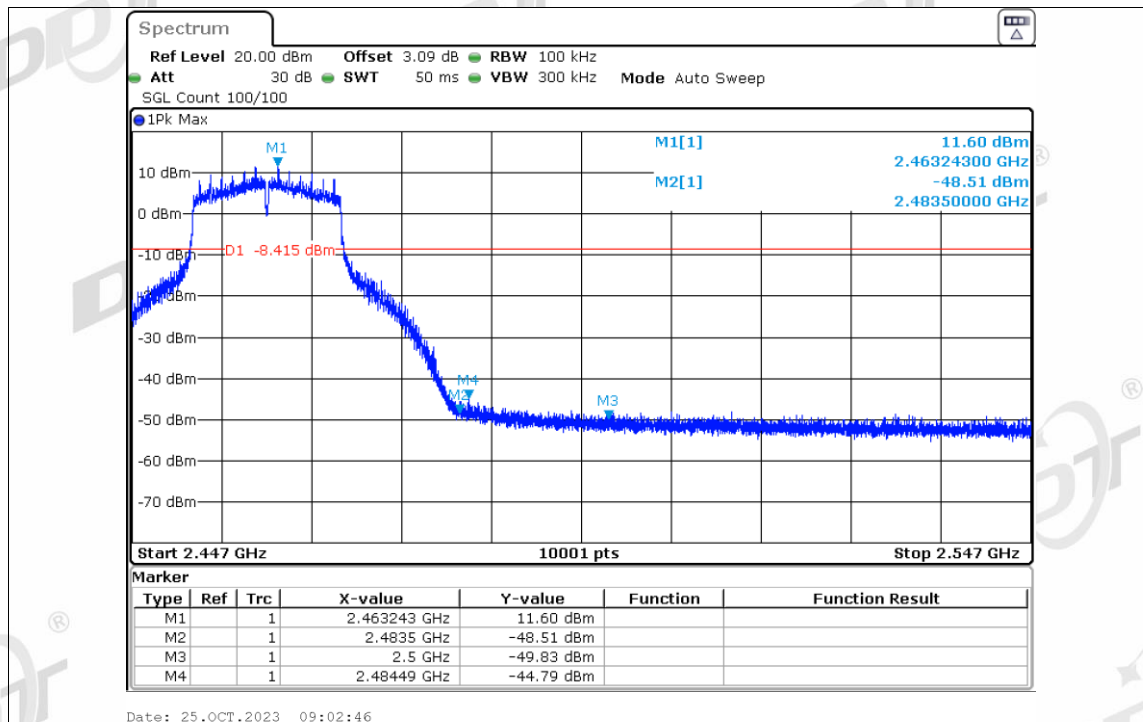
Band Edge NVNT g 2412MHz Ant1 Emission



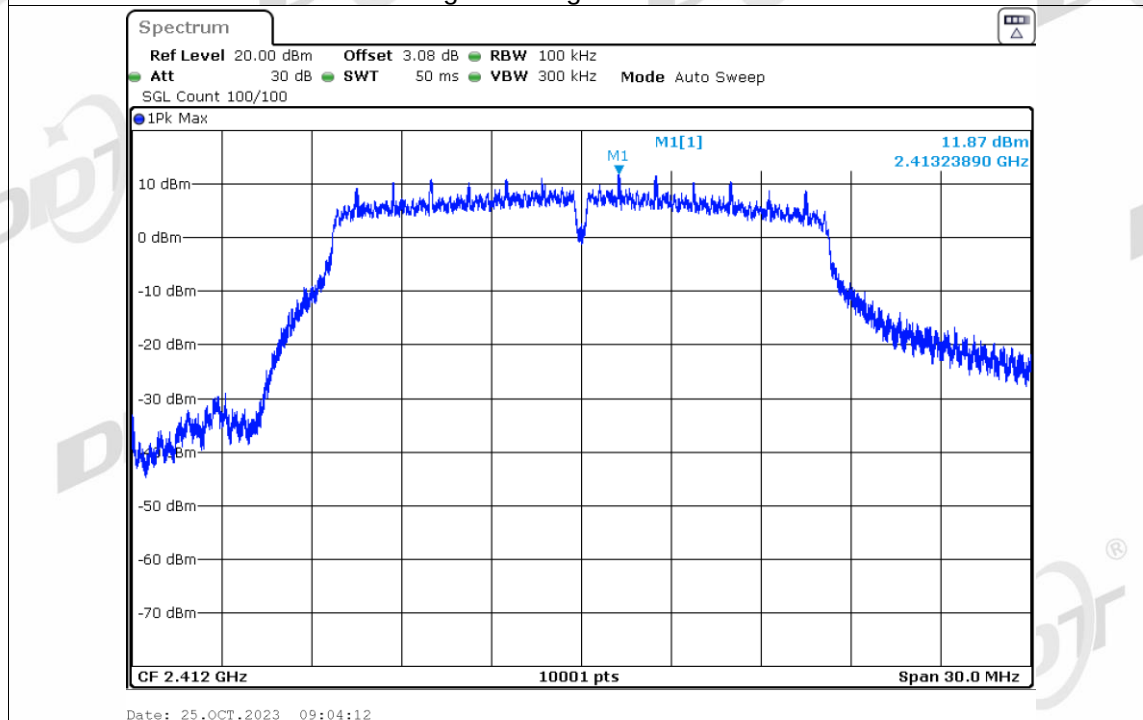
Band Edge NVNT g 2462MHz Ant1 Ref



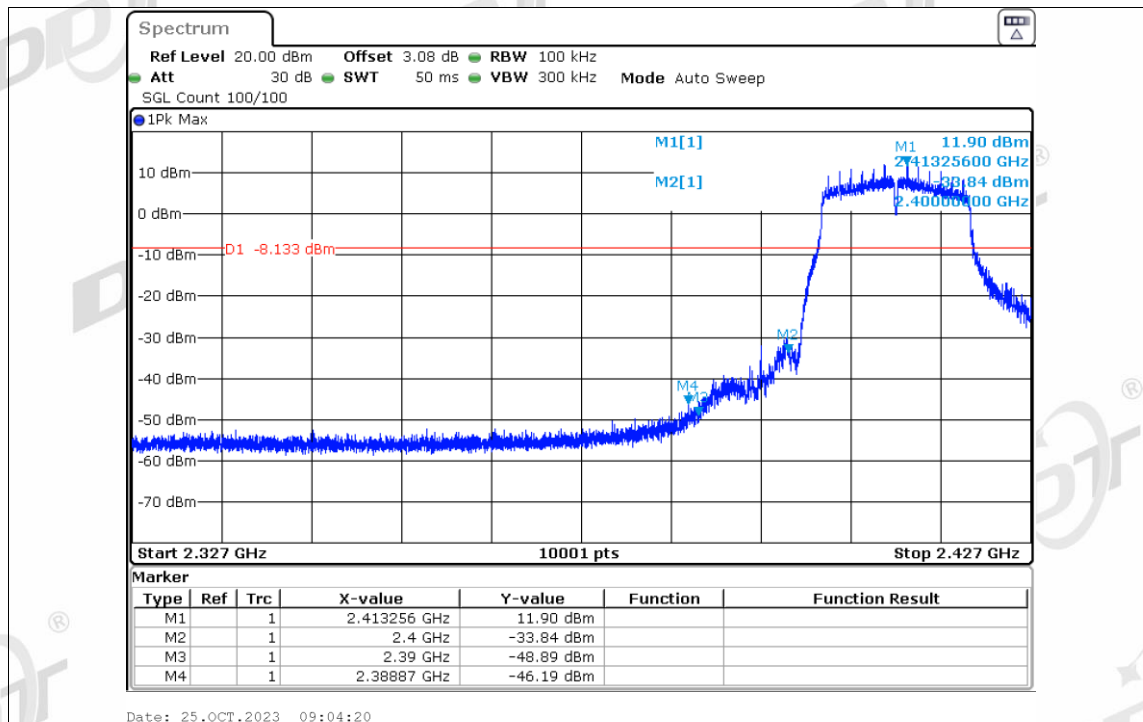
Band Edge NVNT g 2462MHz Ant1 Emission



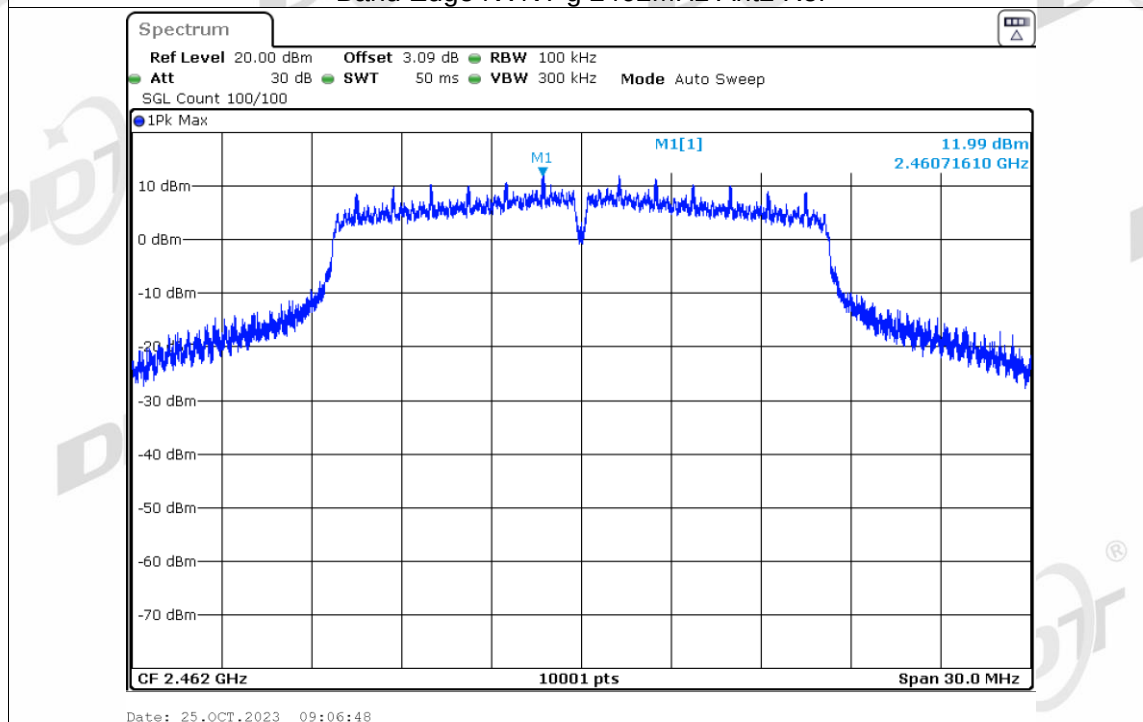
Band Edge NVNT g 2412MHz Ant2 Ref



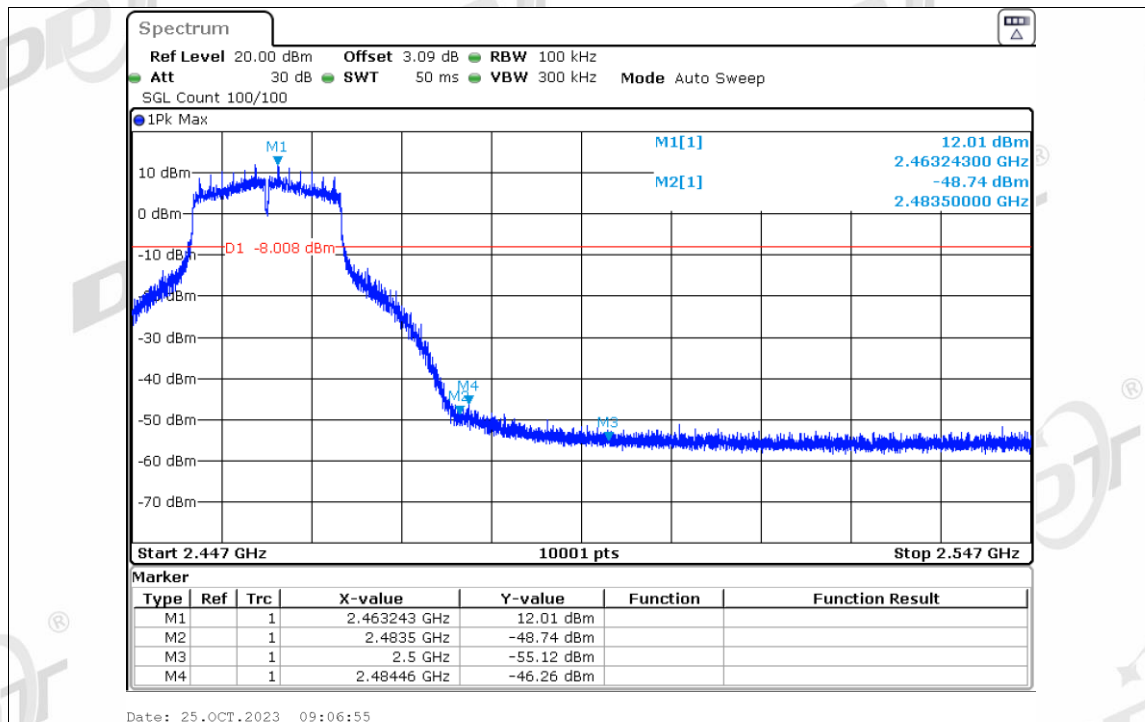
Band Edge NVNT g 2412MHz Ant2 Emission



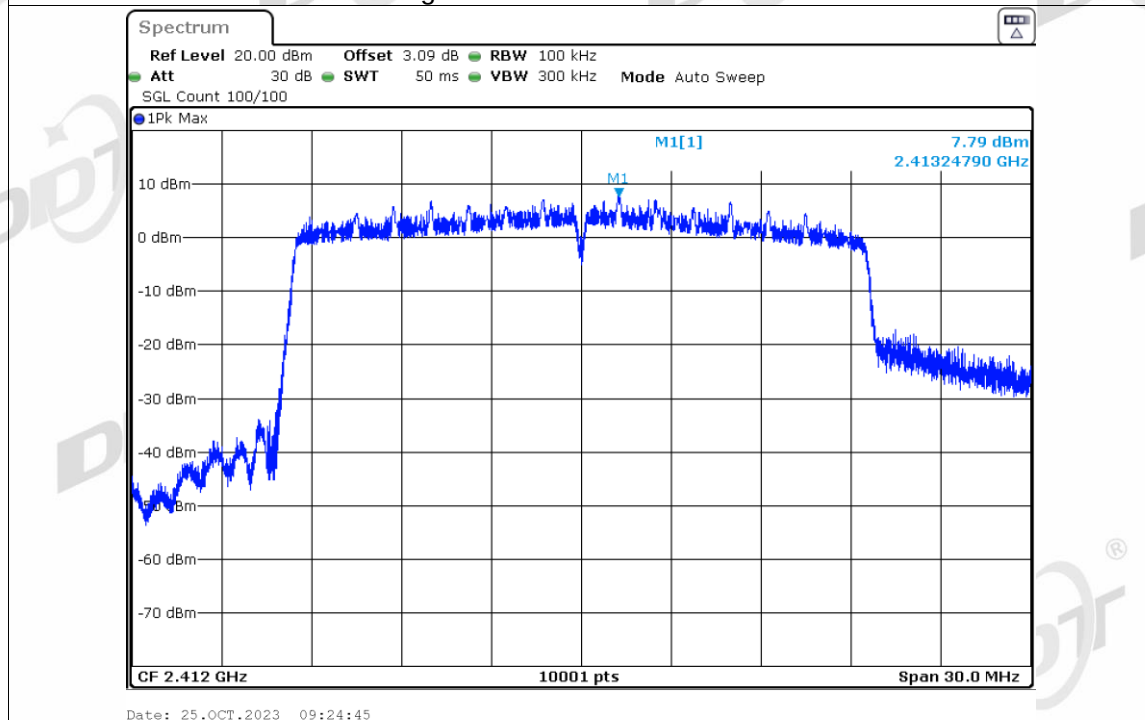
Band Edge NVNT g 2462MHz Ant2 Ref



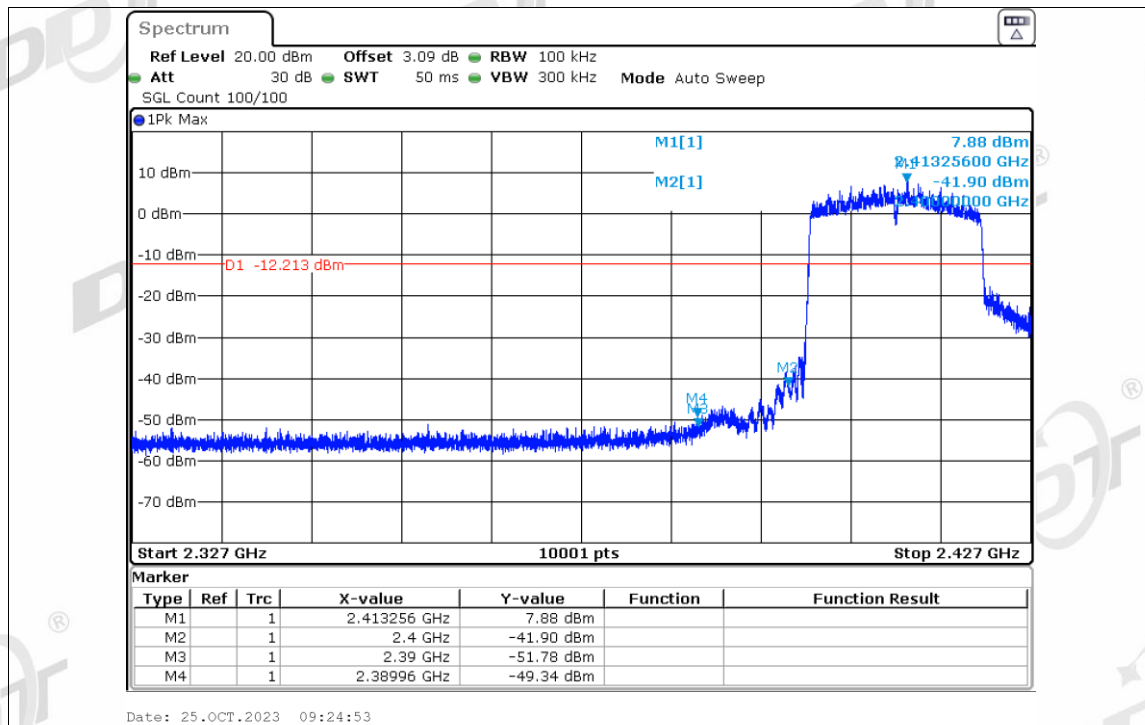
Band Edge NVNT g 2462MHz Ant2 Emission



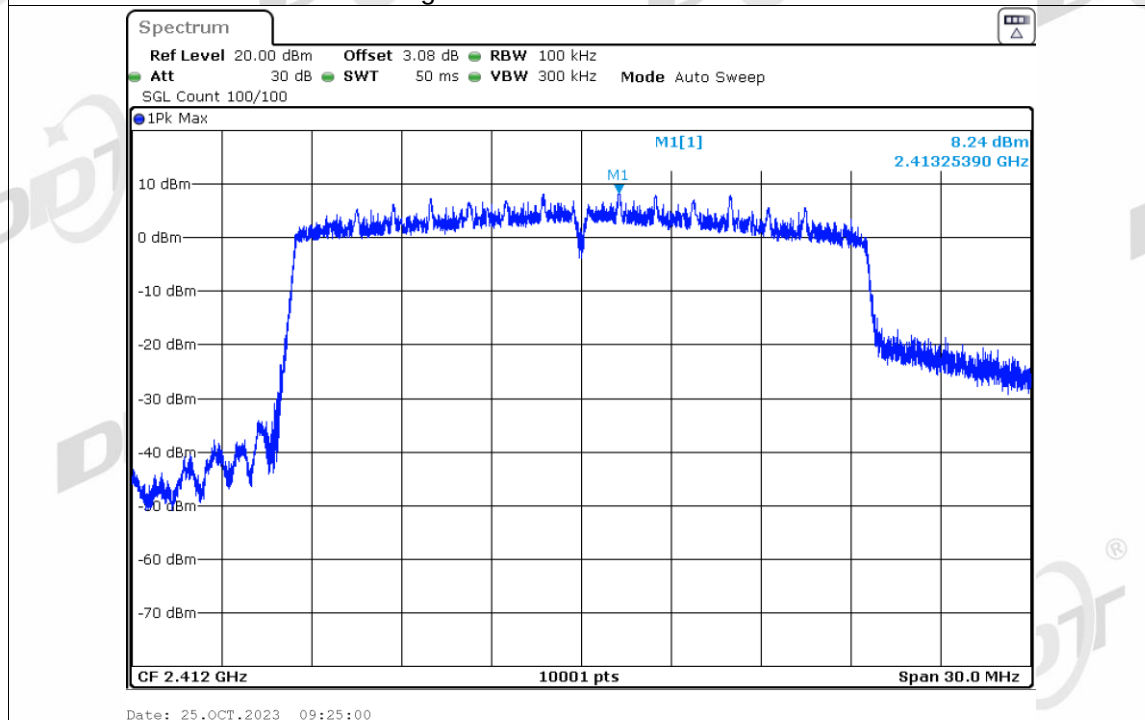
Band Edge NVNT ax20 2412MHz Ant1 Ref



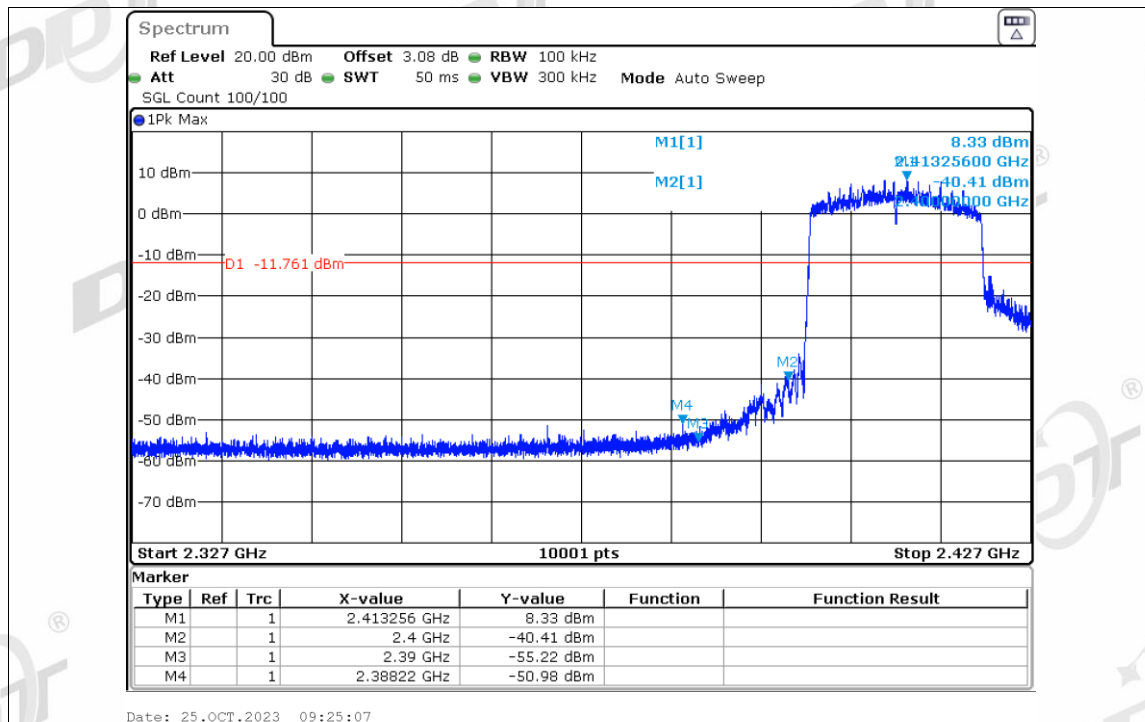
Band Edge NVNT ax20 2412MHz Ant1 Emission



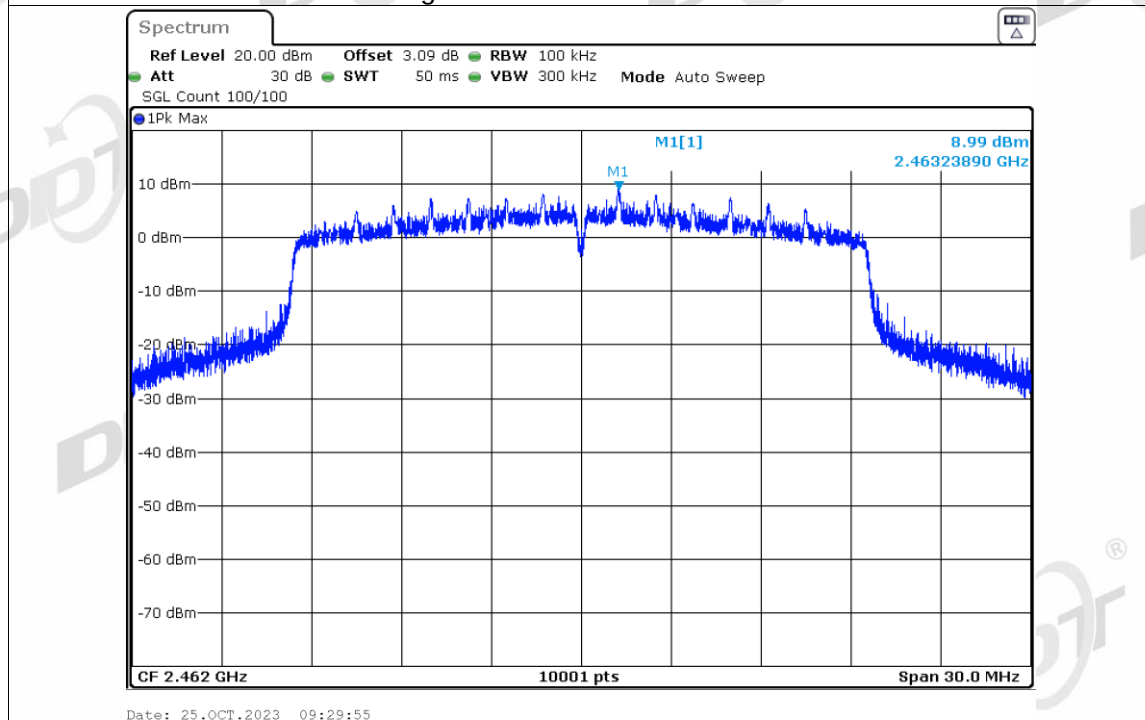
Band Edge NVNT ax20 2412MHz Ant2 Ref



Band Edge NVNT ax20 2412MHz Ant2 Emission



Band Edge NVNT ax20 2462MHz Ant1 Ref



Band Edge NVNT ax20 2462MHz Ant1 Emission