

Summary of Radiated Tx Emissions

Measured Frequency Range (MHz)	Channel Frequency	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
30-1000MHz	2412.0	Horizontal	47.5	10.23	14.33	0.75	0.00 (3)	25.3 (2)	40.0	14.7
30-1000MHz	2412.0	Horizontal	53.0	9.87	11.91	0.78	0.00 (3)	22.6 (2)	40.0	17.4
30-1000MHz	2412.0	Horizontal	57.0	9.09	10.90	0.80	0.00 (3)	20.8 (2)	40.0	19.2
30-1000MHz	2412.0	Horizontal	96.7	9.75	14.47	0.97	0.00 (3)	25.2 (2)	43.5	18.3
30-1000MHz	2412.0	Horizontal	920.2	9.85	29.80	2.97	0.00 (3)	42.6 (2)	46.0	3.4
30-1000MHz	2412.0	Horizontal	925.1	10.06	29.91	2.98	0.00 (3)	43.0 (2)	46.0	3.1
30-1000MHz	2412.0	Vertical	904.8	10.46	29.30	2.93	0.00 (3)	42.7 (2)	46.0	3.3
30-1000MHz	2412.0	Vertical	909.7	10.13	29.50	2.94	0.00 (3)	42.6 (2)	46.0	3.4
1 - 3GHz	2412.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a
1 - 3GHz	2412.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a
3-13GHz	2412.0	Horizontal	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a
3-13GHz	2412.0	Vertical	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a
13-18GHz	2412.0	Horizontal	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a
13-18GHz	2412.0	Vertical	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a
18-26GHz	2412.0	Horizontal	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a
18-26GHz	2412.0	Vertical	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a
Results:									Complies	

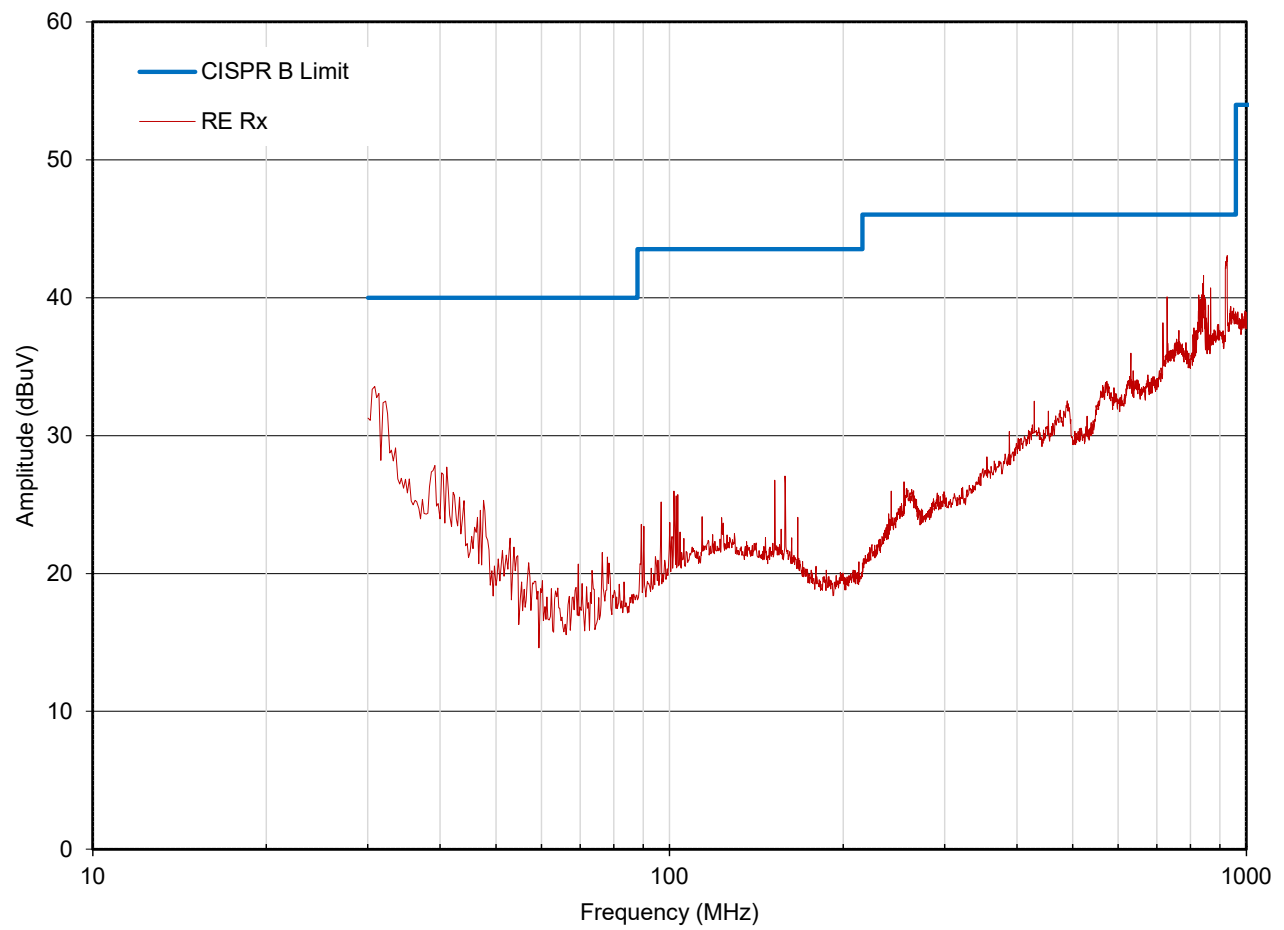
(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

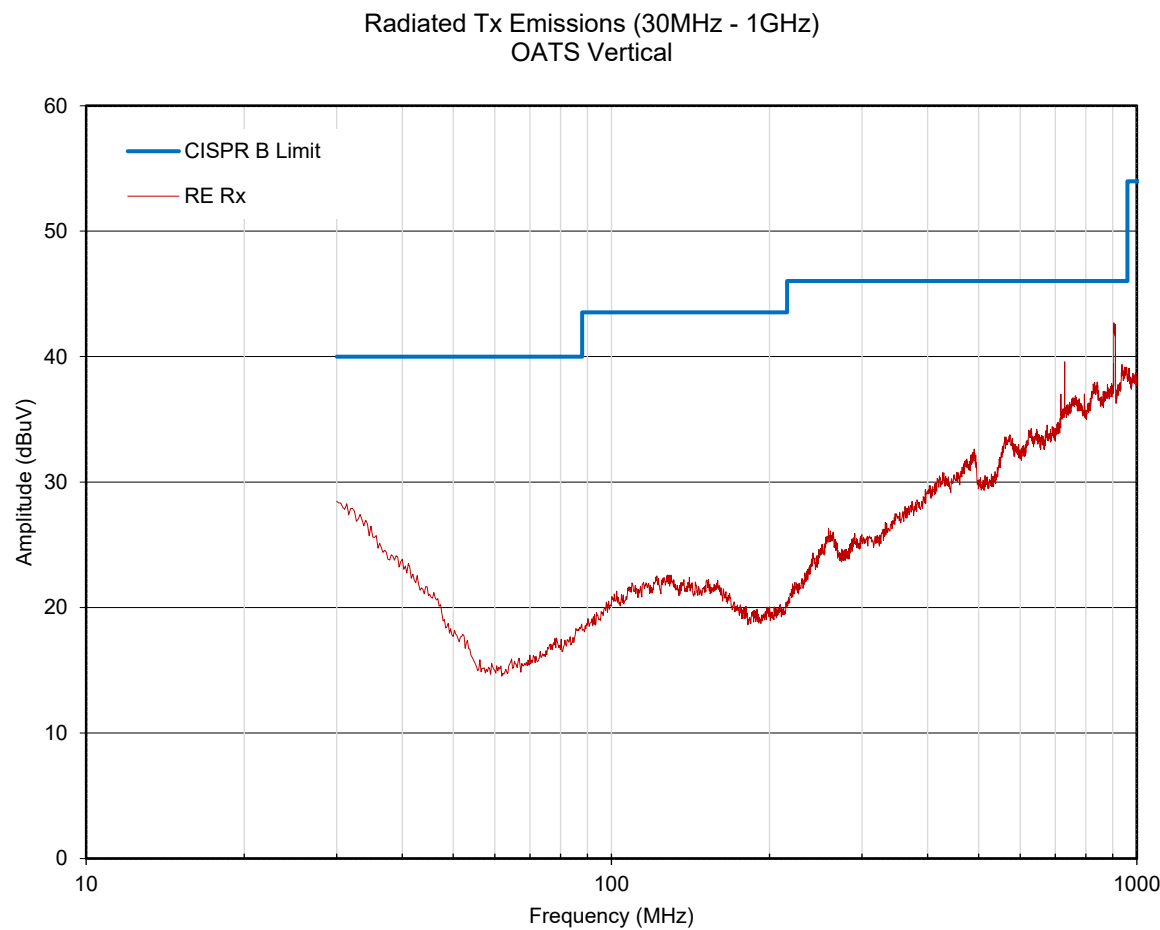
(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + \text{ACF} + L_{\text{C}} - G_{\text{A}}$$

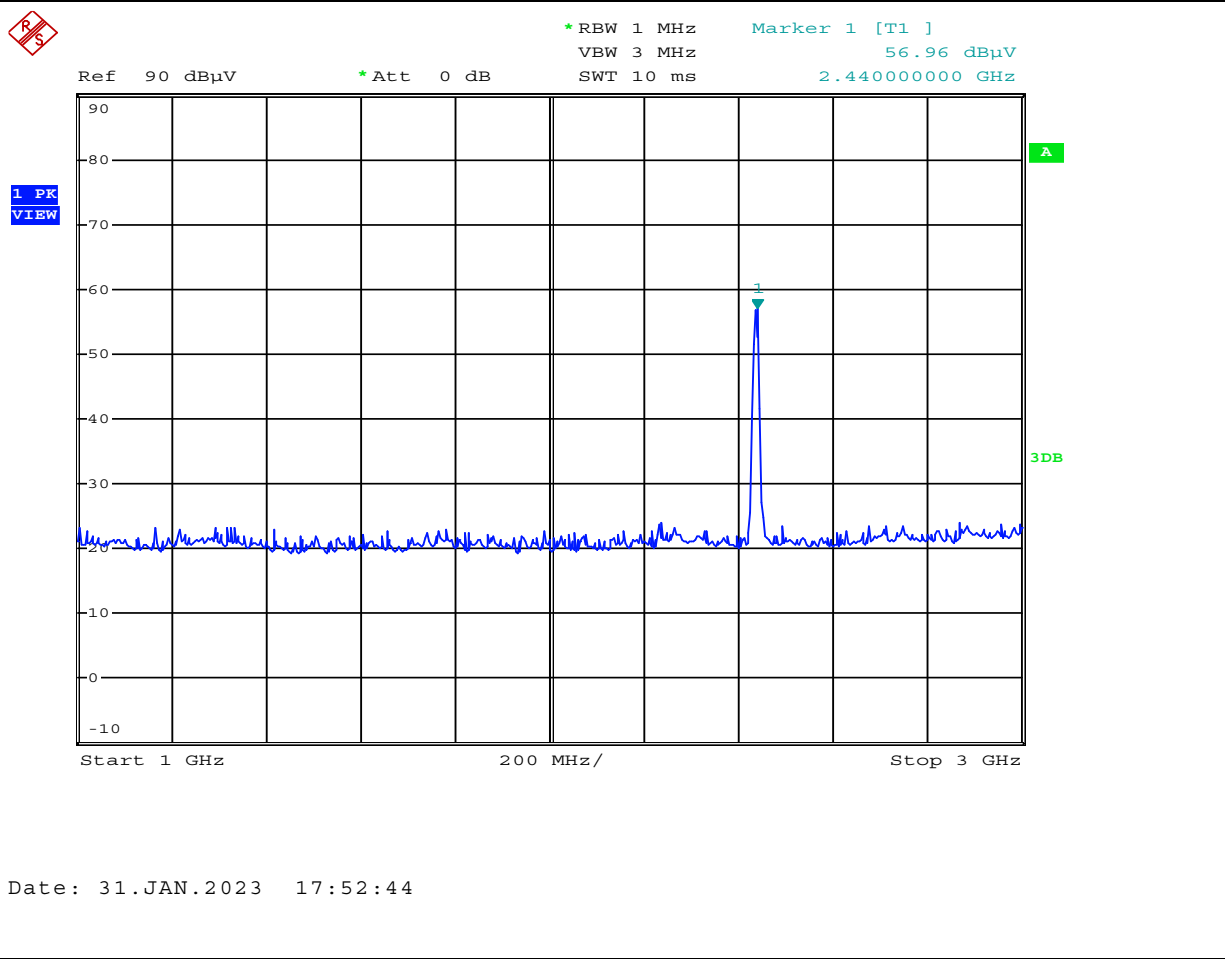
Radiated Tx Emissions (30MHz - 1GHz)
OATS Horizontal



Radiated Tx Emissions:



Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

Polarization: Horizontal

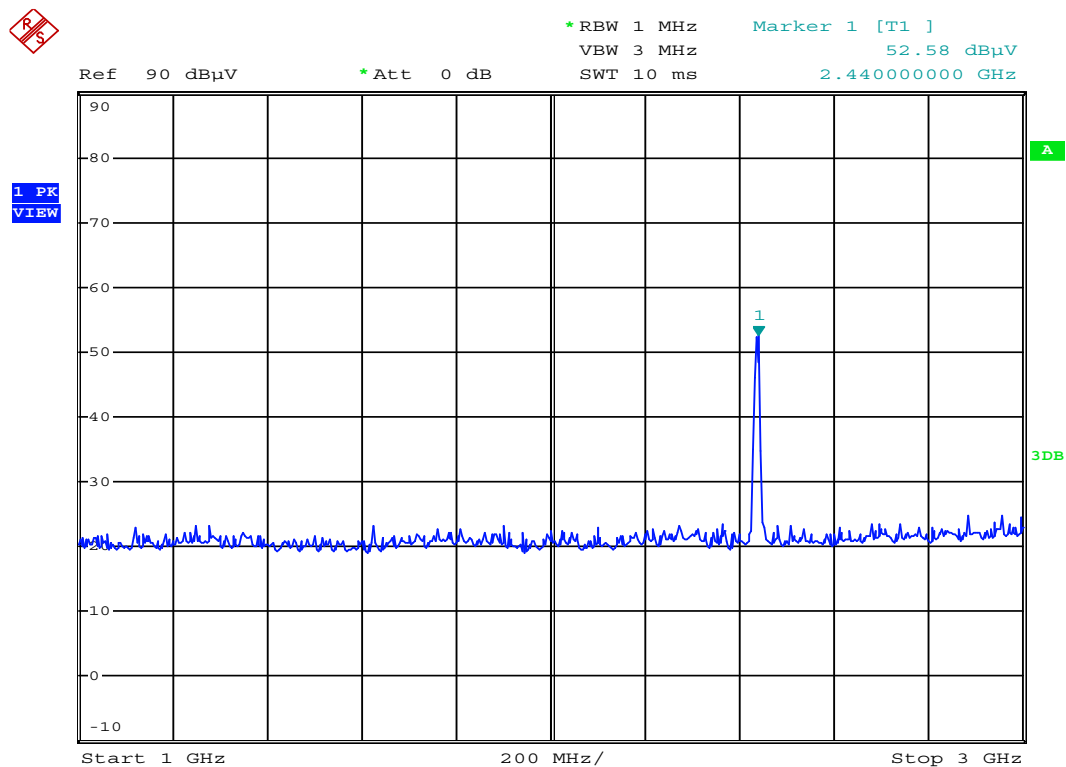
Marker 1 = Fundamental

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:



Date: 31.JAN.2023 18:11:38

Channel: 6

Mode: 802.11b

Polarization: Vertical

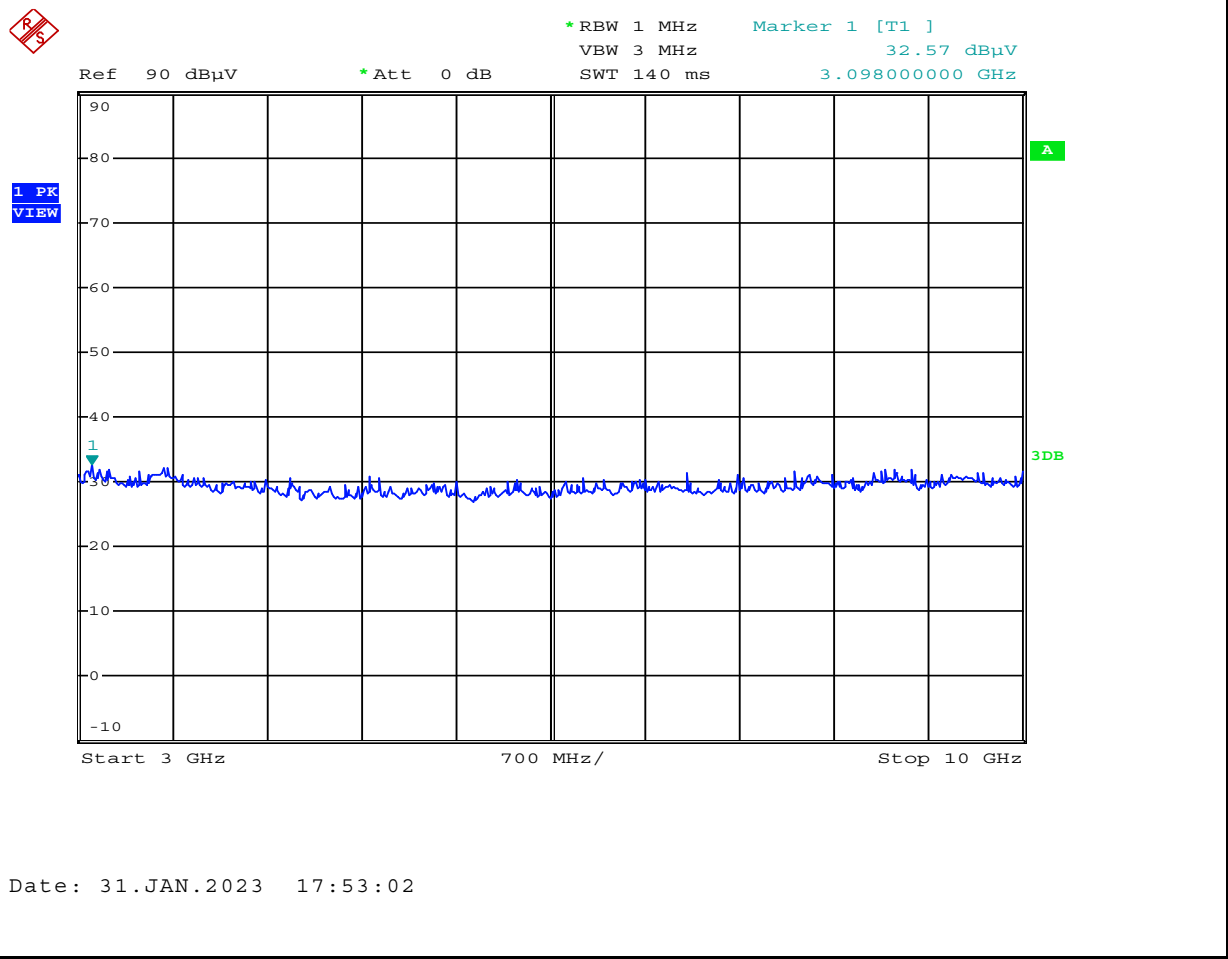
Marker 1 = Fundamental

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:

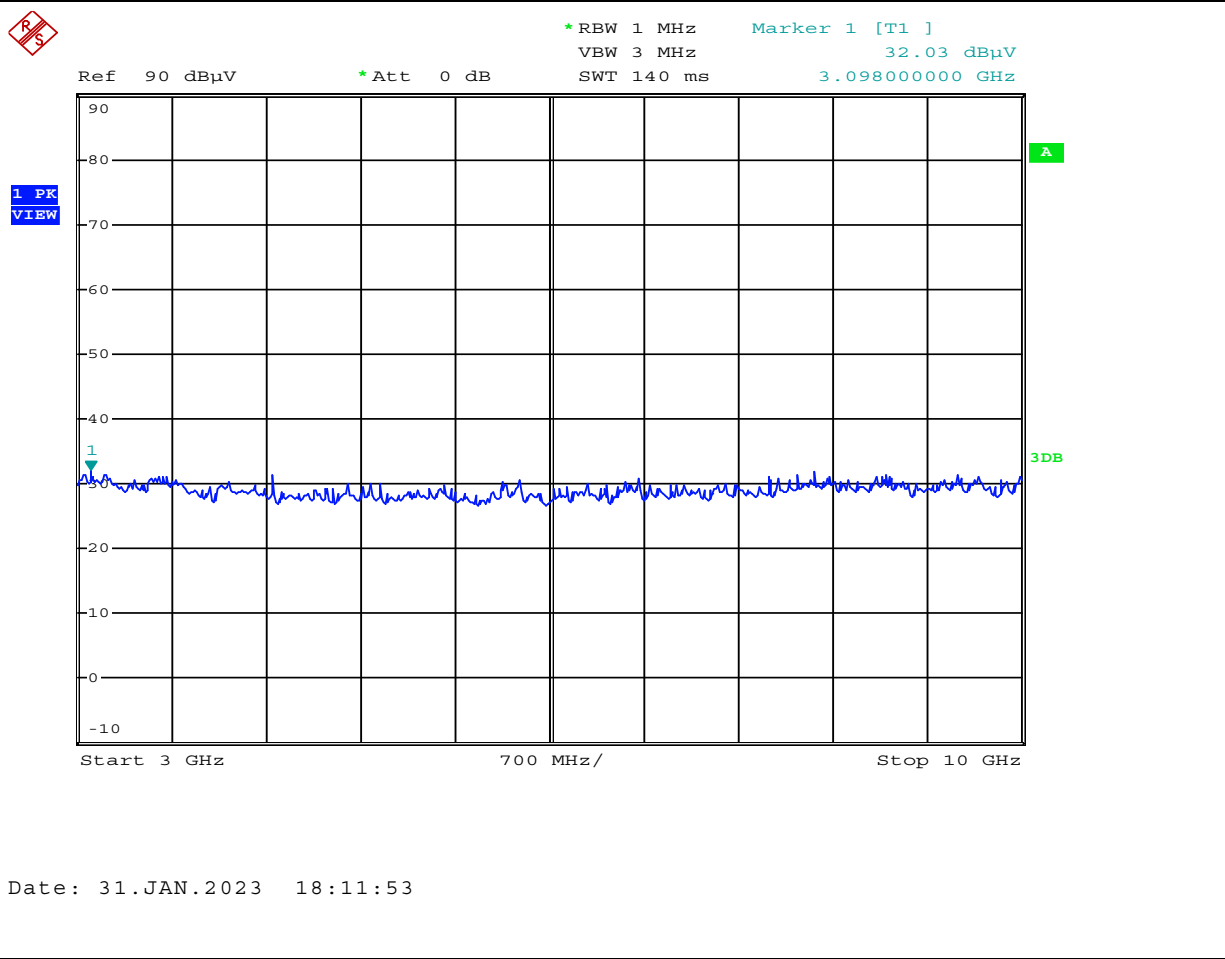


Date: 31.JAN.2023 17:53:02

Channel:	6
Mode:	802.11b
Polarization:	Horizontal

Channel Frequency:	2437	MHz
Modulation:	CCK 1MB	
Measured Emission:	ND	dBm

Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

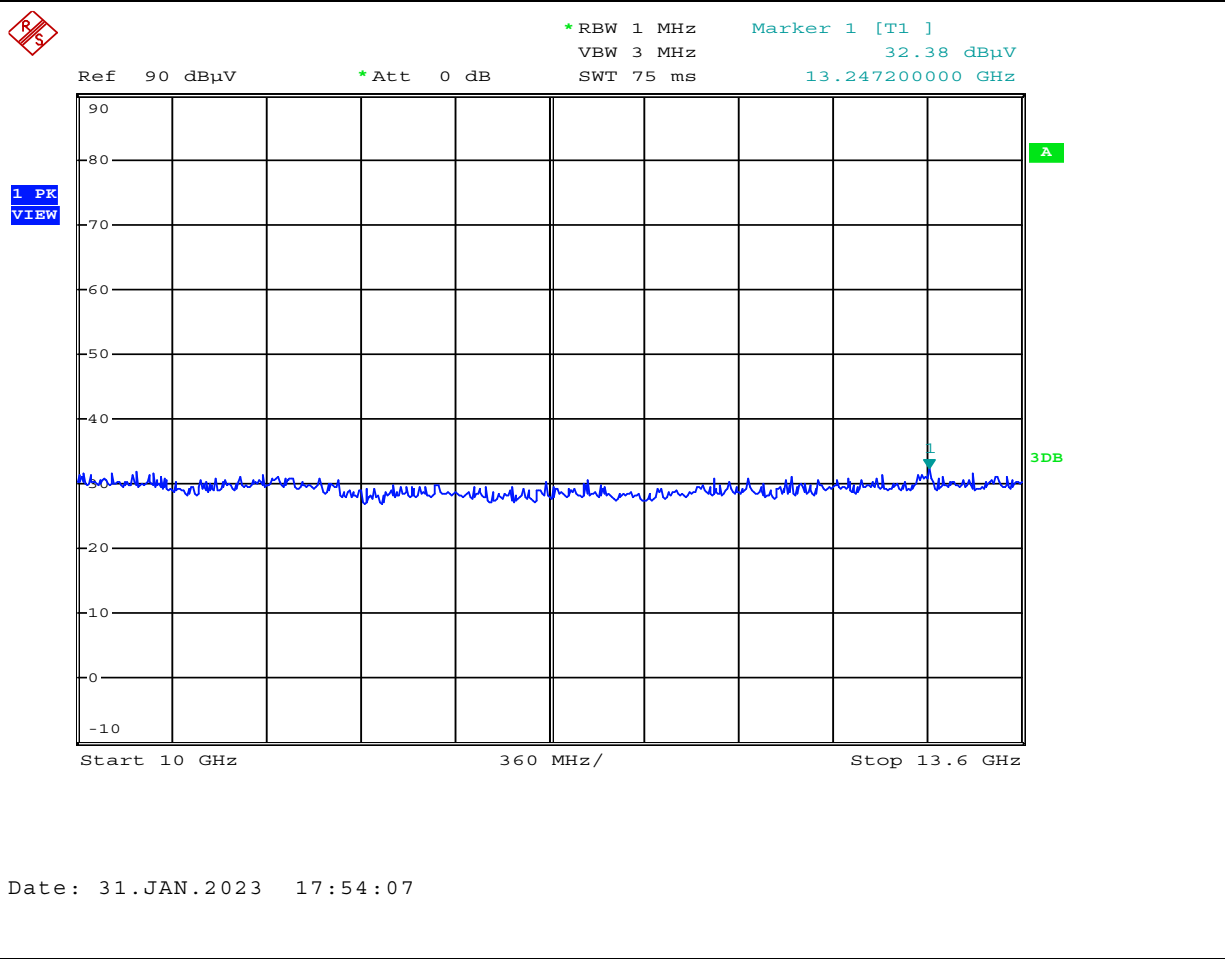
Polarization: Vertical

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

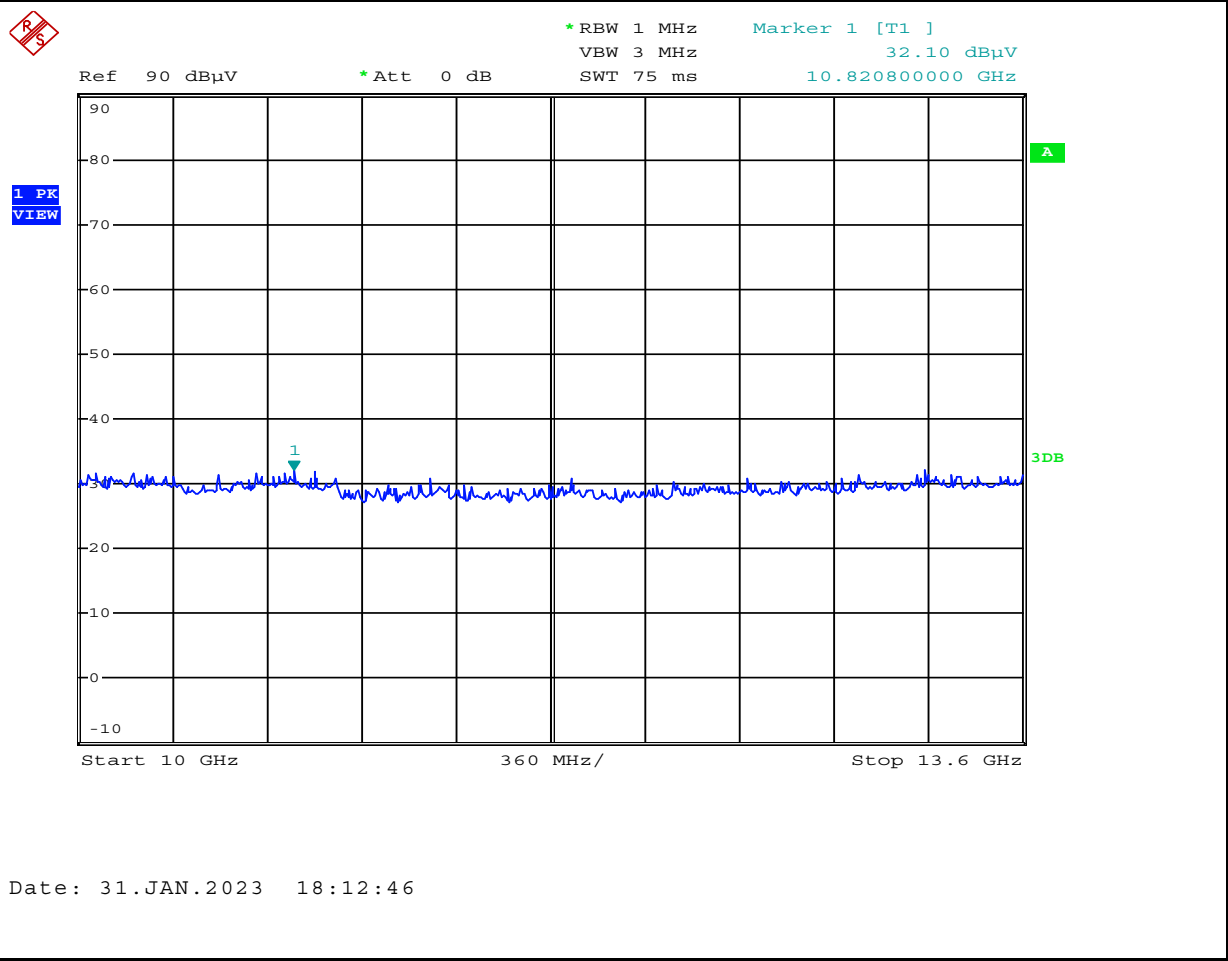
Polarization: Horizontal

Channel Frequency: 2437 MHz

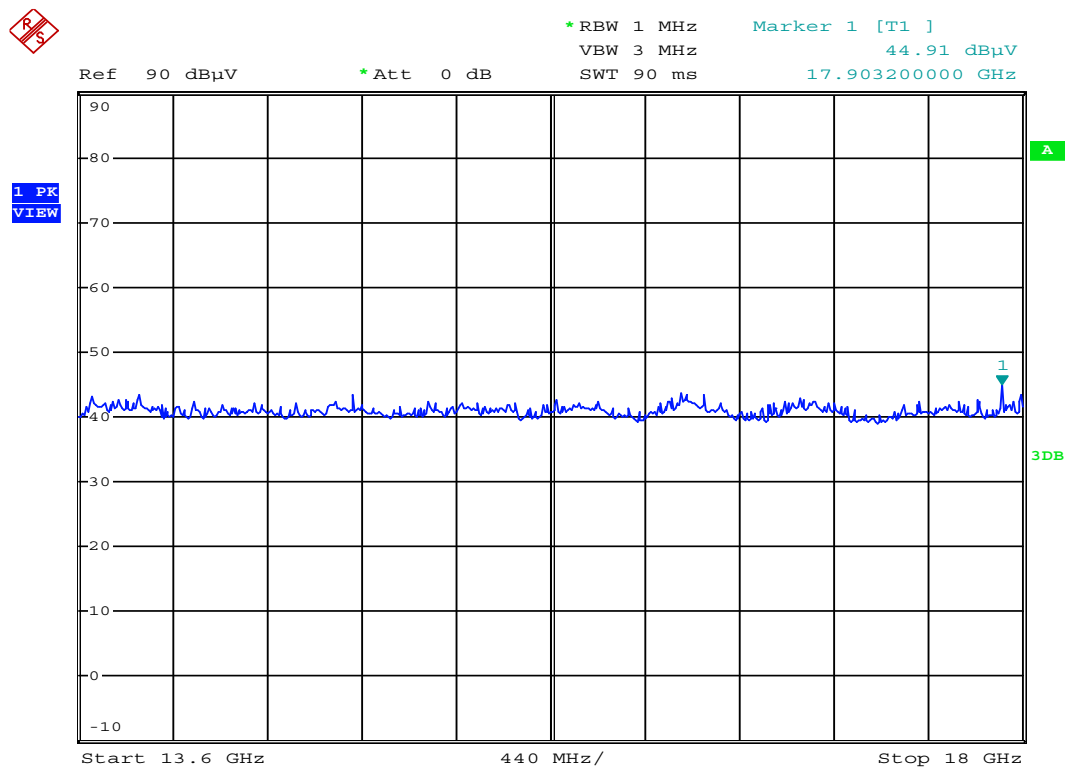
Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:



Radiated Tx Emissions:

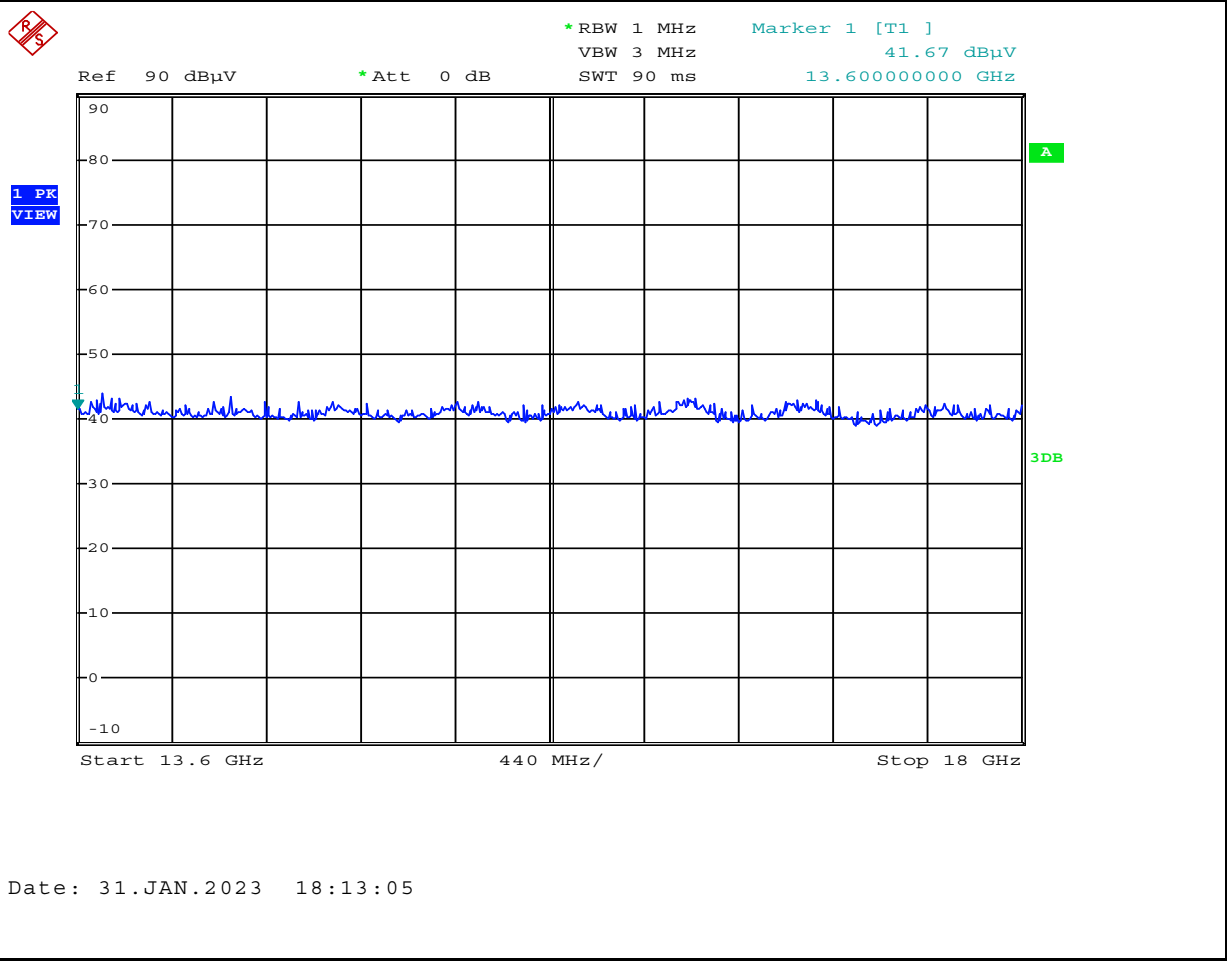


Date: 31.JAN.2023 17:54:25

Channel: 6
Mode: 802.11b
Polarization: Horizontal

Channel Frequency: 2437 MHz
Modulation: CCK 1MB
Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

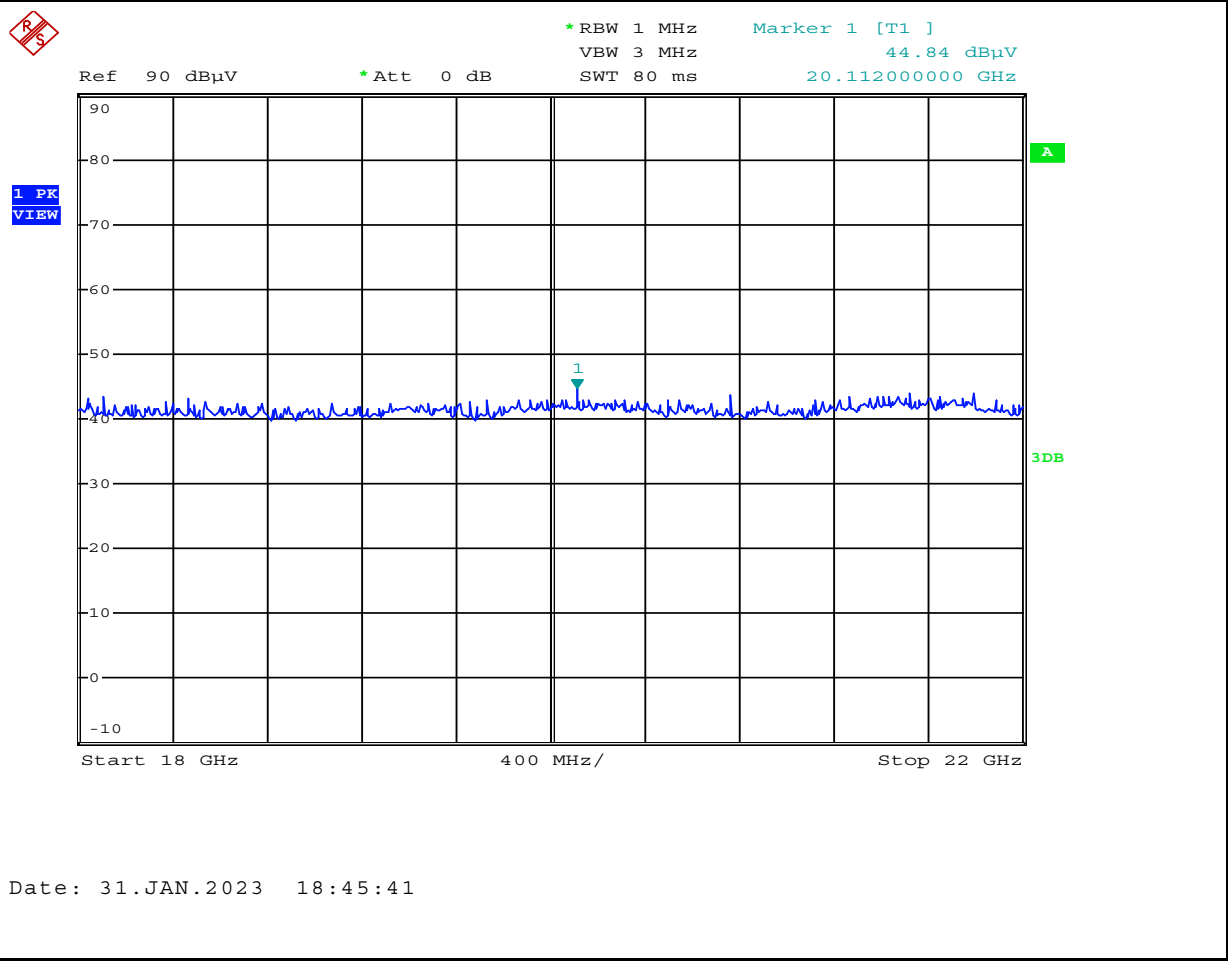
Polarization: Vertical

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

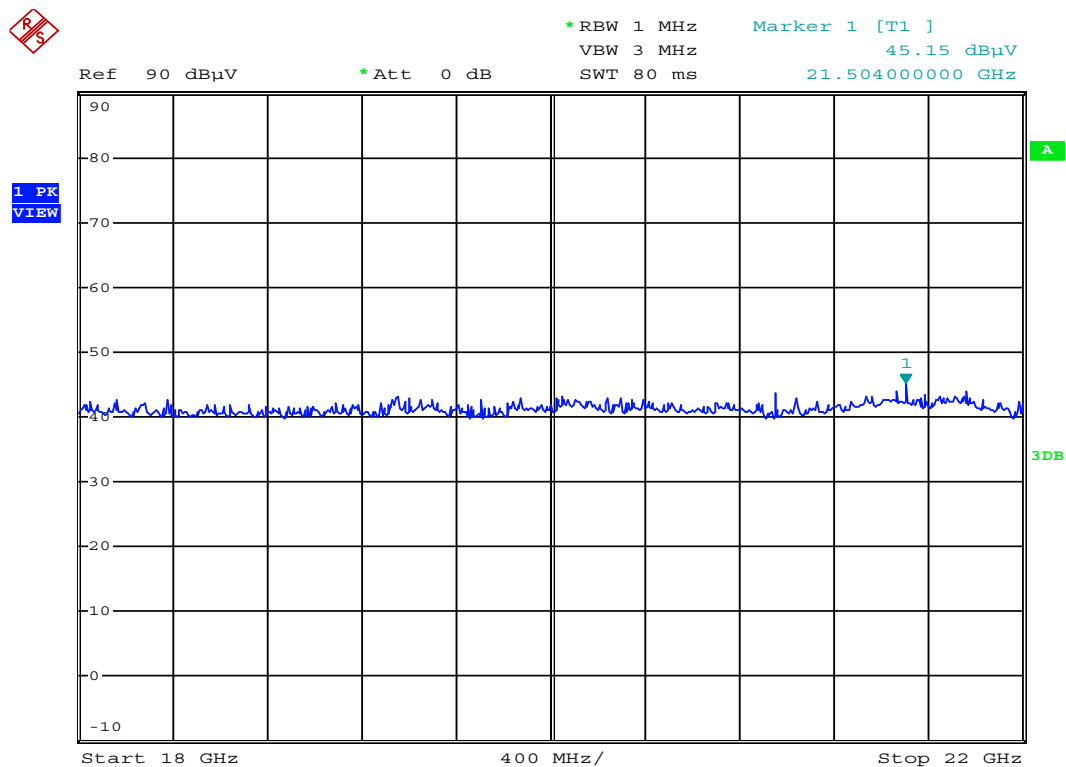
Polarization: Horizontal

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:

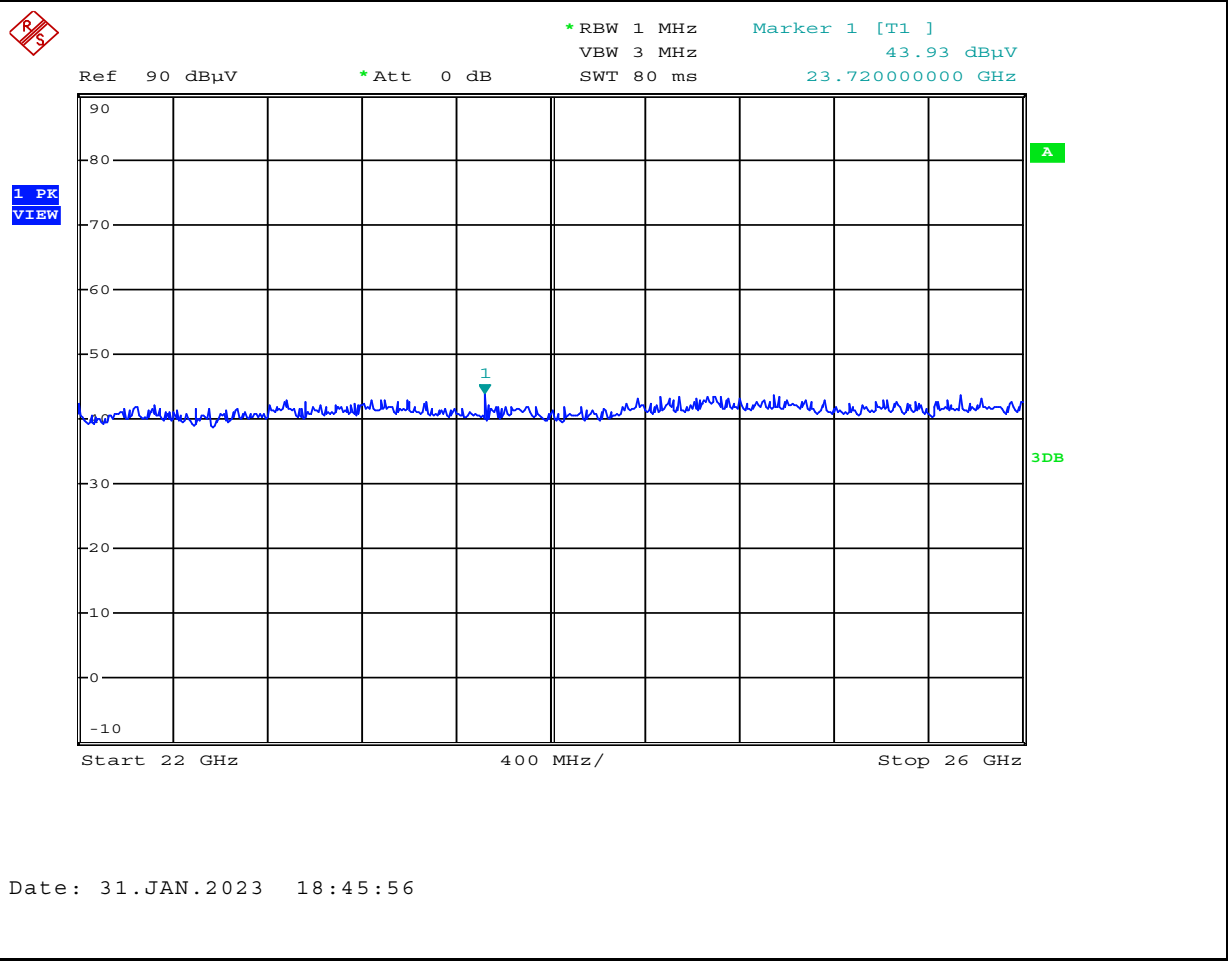


Date: 31.JAN.2023 18:46:17

Channel: 6
Mode: 802.11b
Polarization: Vertical

Channel Frequency: 2437 MHz
Modulation: CCK 1MB
Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 6

Mode: 802.11b

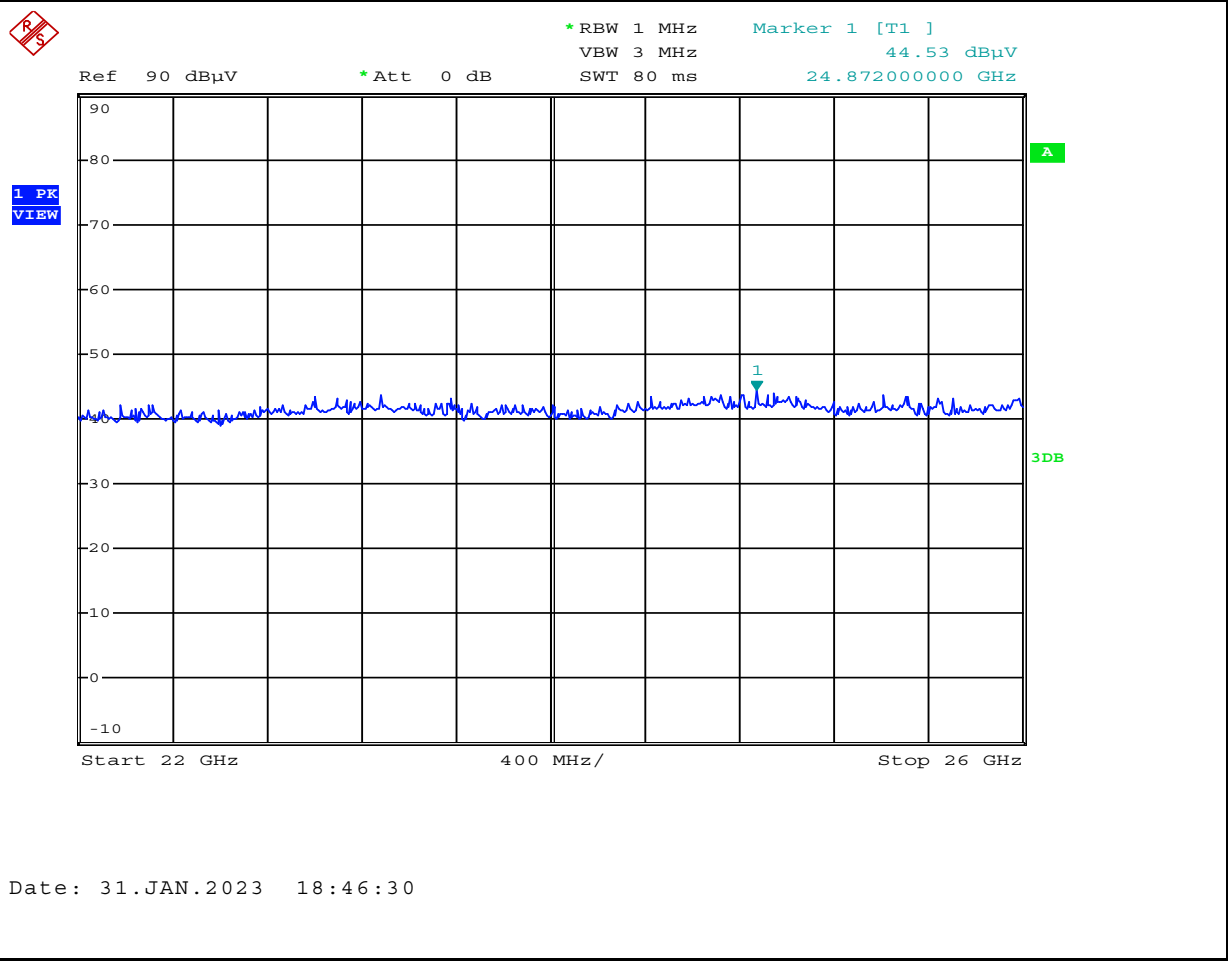
Polarization: Horizontal

Channel Frequency: 2437 MHz

Modulation: CCK 1MB

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel:

Mode:

Polarization:

Channel Frequency: MHz

Modulation:

Measured Emission: dBm

Summary of Radiated Tx Emissions

Measured Frequency Range (MHz)	Channel Frequency	Antenna Polarization	Emission Frequency	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
30-1000MHz	2440.0	Horizontal	38.91	7.39	19.05	0.71	0.00 (3)	27.1 (2)	40.0	12.9
30-1000MHz	2440.0	Horizontal	73.74	7.33	11.67	0.87	0.00 (3)	19.9 (2)	40.0	20.1
30-1000MHz	2440.0	Horizontal	101.82	7.87	15.28	0.99	0.00 (3)	24.1 (2)	43.5	19.4
30-1000MHz	2440.0	Horizontal	827.80	8.83	29.22	2.82	0.00 (3)	40.9 (2)	46.0	5.1
30-1000MHz	2440.0	Vertical	729.10	8.51	28.30	2.66	0.00 (3)	39.5 (2)	46.0	6.6
30-1000MHz	2440.0	Vertical	904.80	8.66	29.30	2.93	0.00 (3)	40.9 (2)	46.0	5.1
30-1000MHz	2440.0	Vertical	909.70	8.33	29.50	2.94	0.00 (3)	40.8 (2)	46.0	5.2
1 - 3GHz	2440.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a
1 - 3GHz	2440.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a
3-13GHz	2440.0	Horizontal	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a
3-13GHz	2440.0	Vertical	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a
13-18GHz	2440.0	Horizontal	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a
13-18GHz	2440.0	Vertical	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a
18-26GHz	2440.0	Horizontal	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a
18-26GHz	2440.0	Vertical	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a
Results:									Complies	

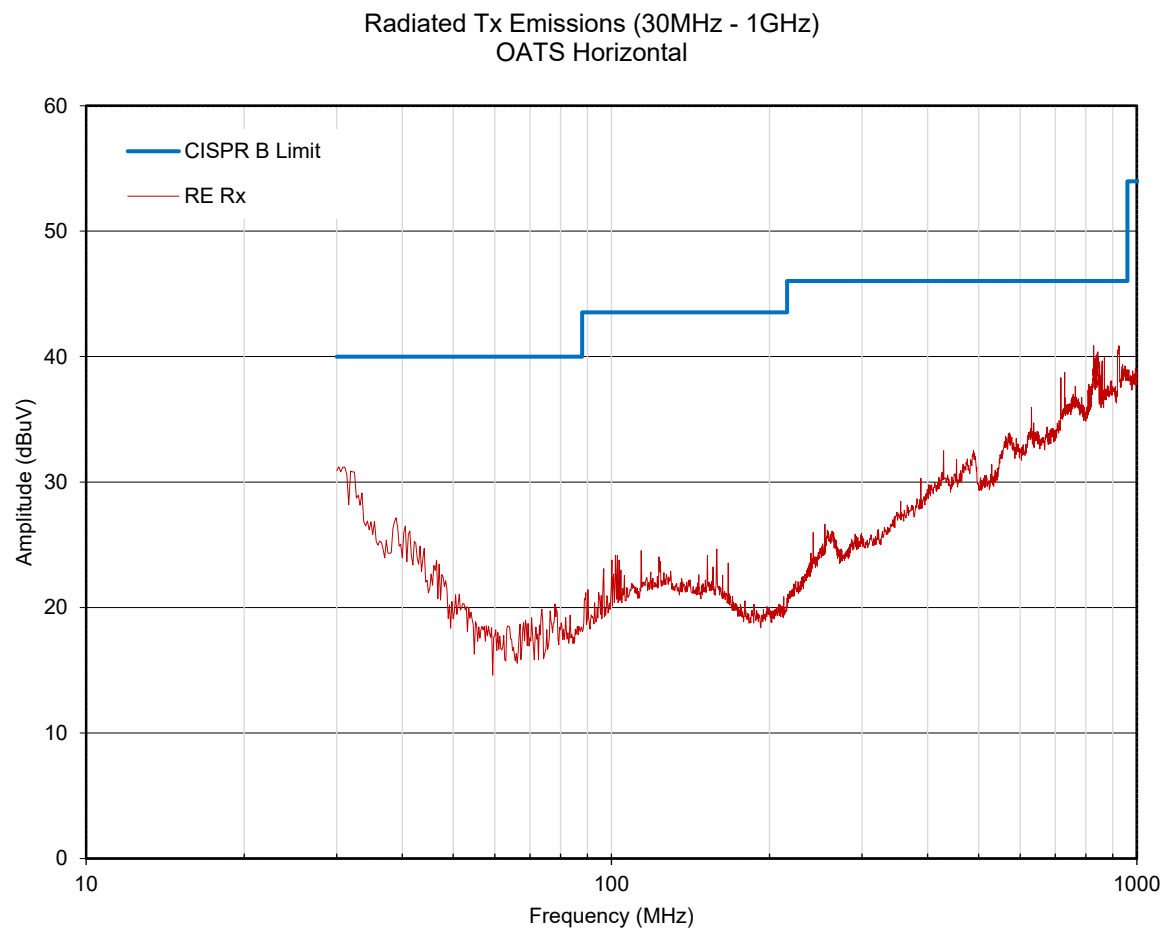
(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

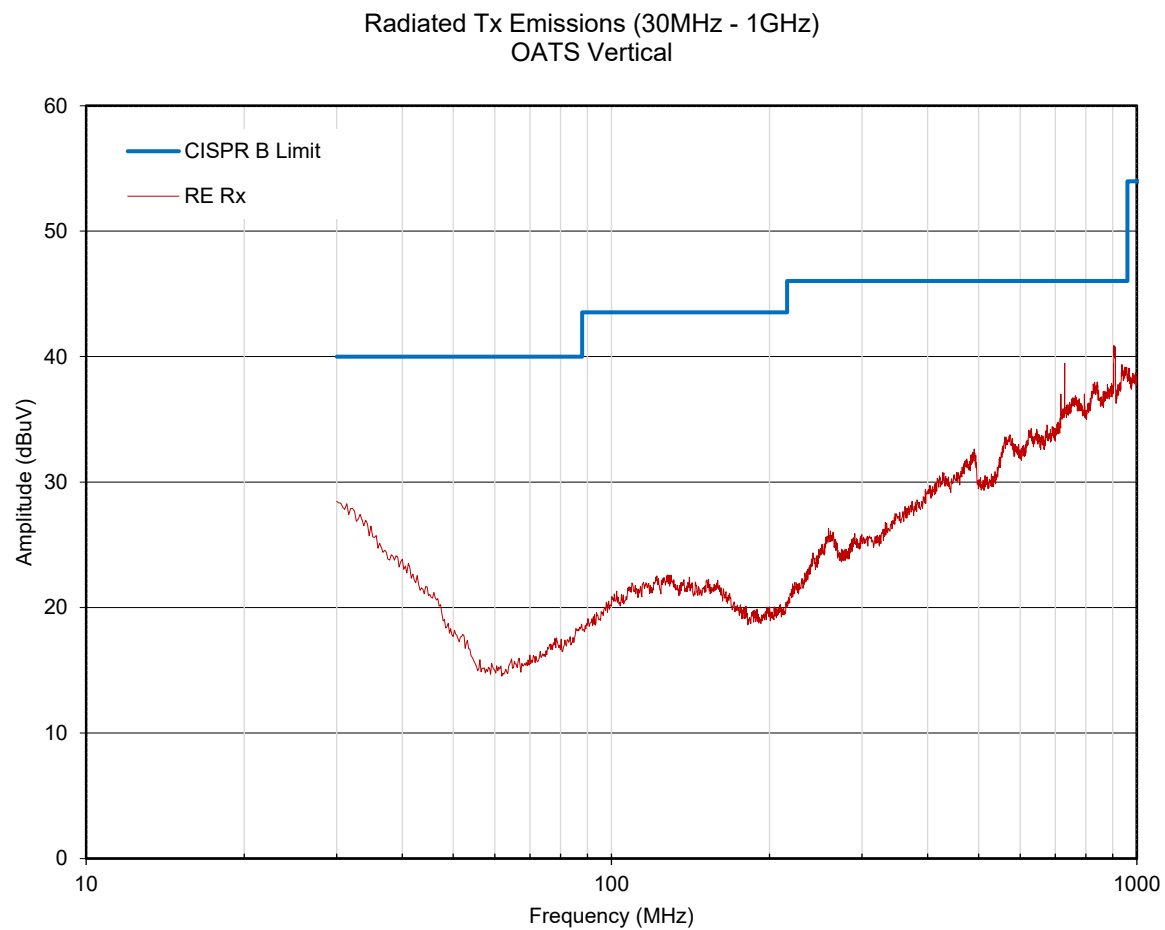
(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + \text{ACF} + L_C - G_A$$

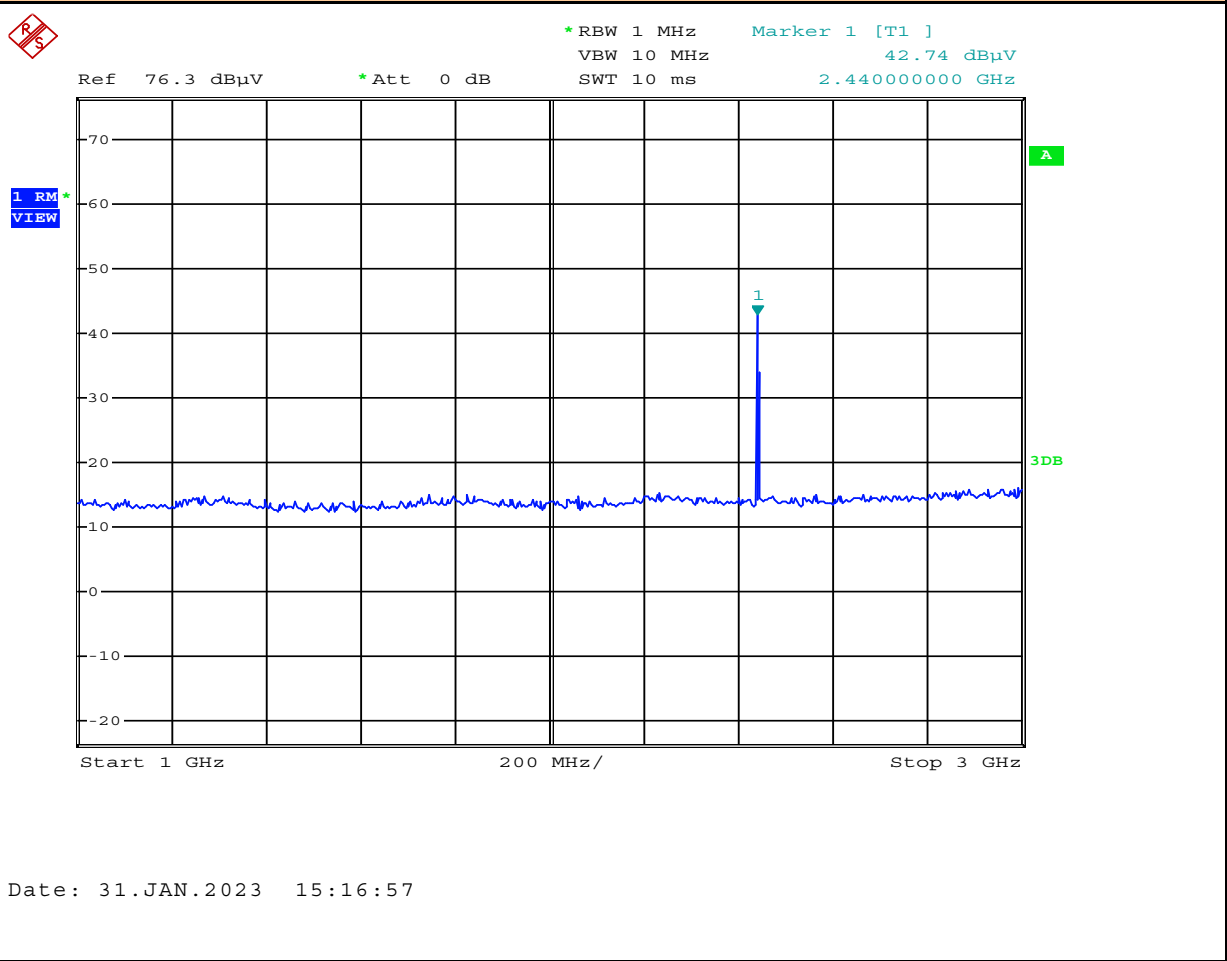
Radiated Tx Emissions:



Radiated Tx Emissions:



Radiated Tx Emissions:



Channel: 38

Mode: BT BR

Polarization: Horizontal

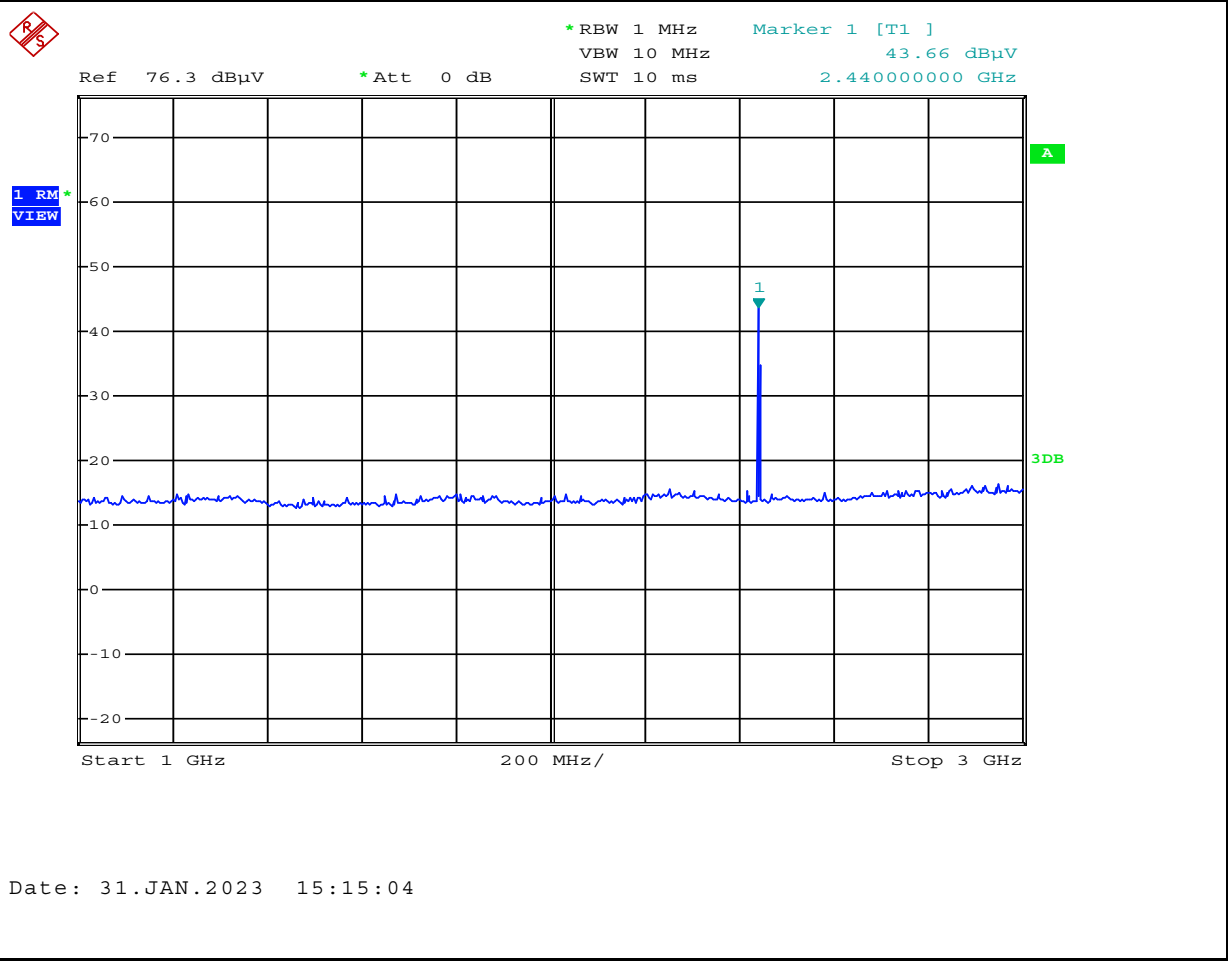
Marker 1 = Fundamental

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel:

Mode:

Polarization:

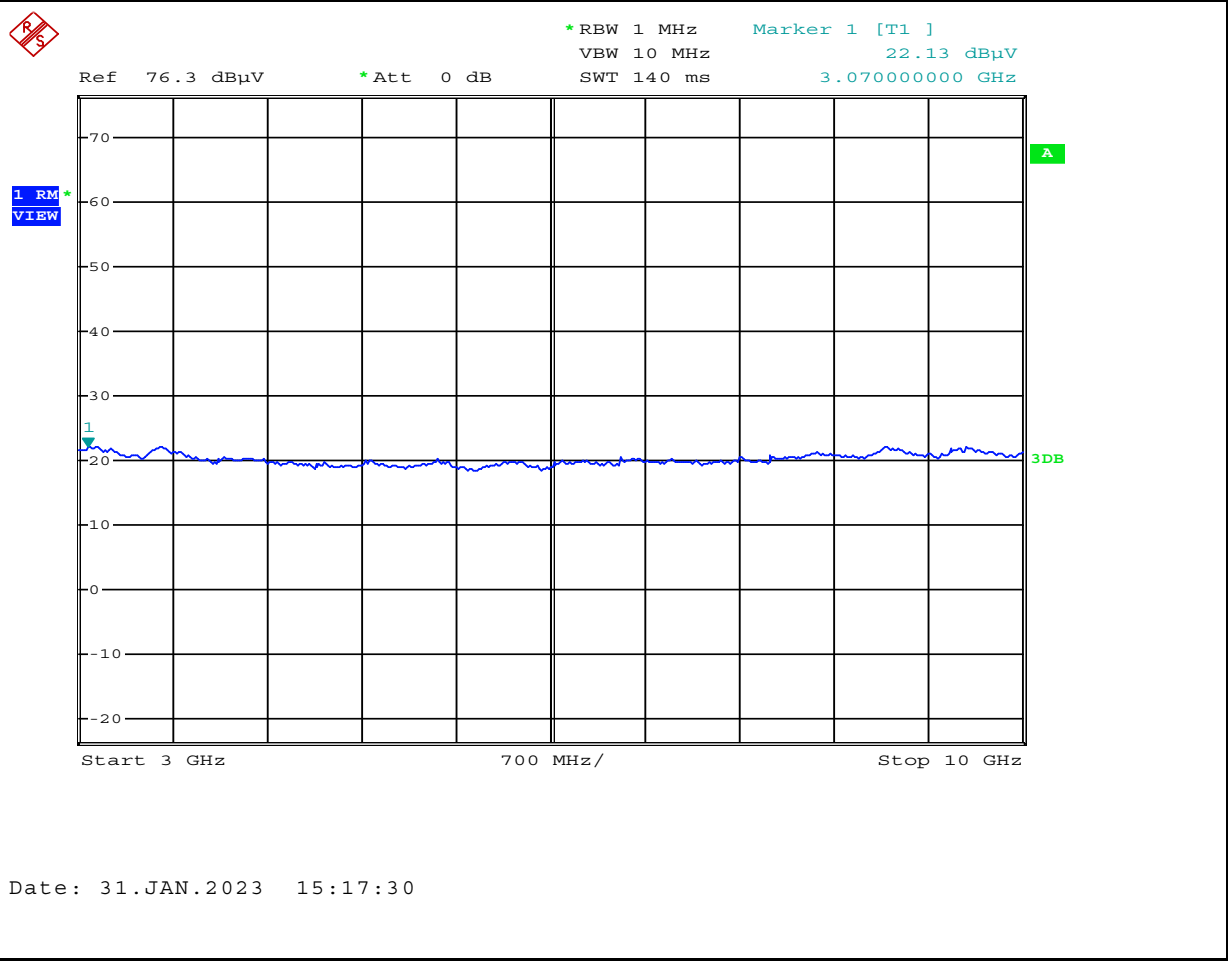
Marker 1 = Fundamental

Channel Frequency: MHz

Modulation:

Measured Emission: dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

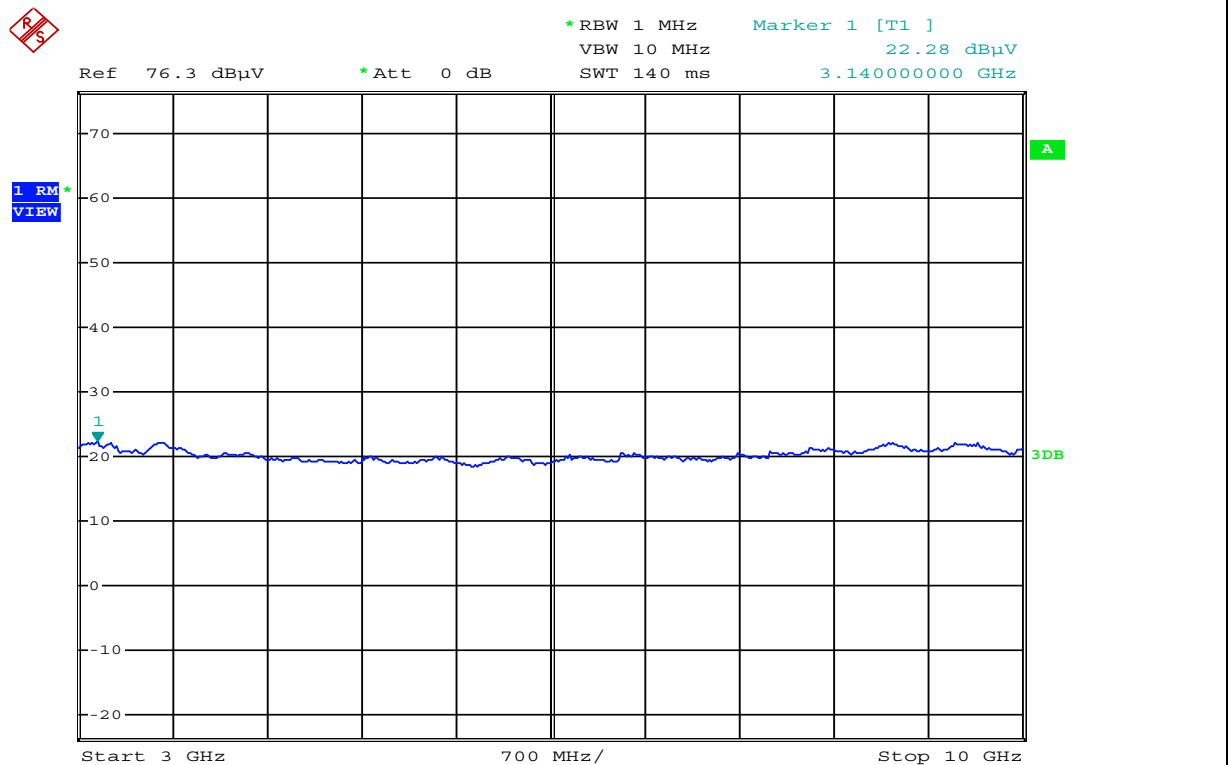
Polarization: Horizontal

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:

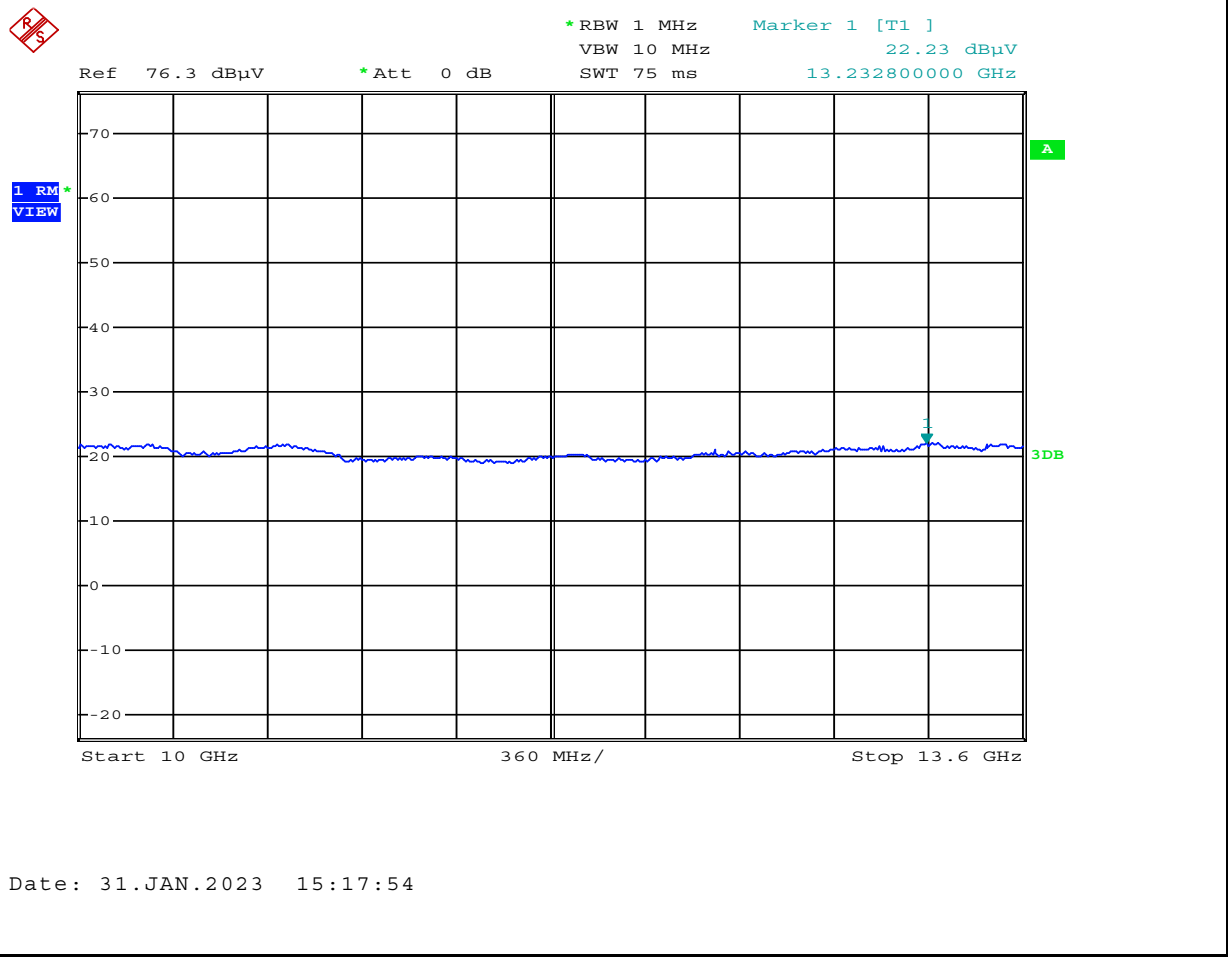


Date: 31.JAN.2023 15:15:22

Channel:	38
Mode:	BT BR
Polarization:	Vertical

Channel Frequency:	2440	MHz
Modulation:	GFSK	
Measured Emission:	ND	dBm

Radiated Tx Emissions:

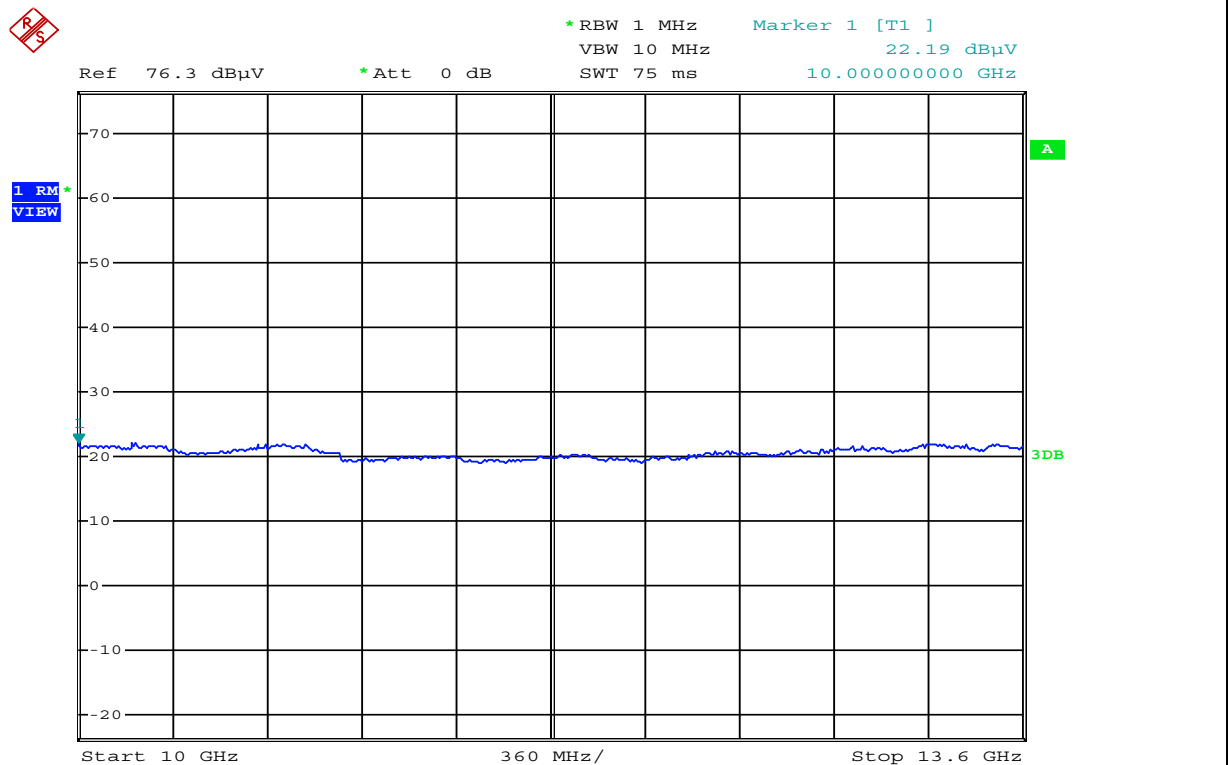


Date: 31.JAN.2023 15:17:54

Channel:	38
Mode:	BT BR
Polarization:	Horizontal

Channel Frequency:	2440	MHz
Modulation:	GFSK	
Measured Emission:	ND	dBm

Radiated Tx Emissions:

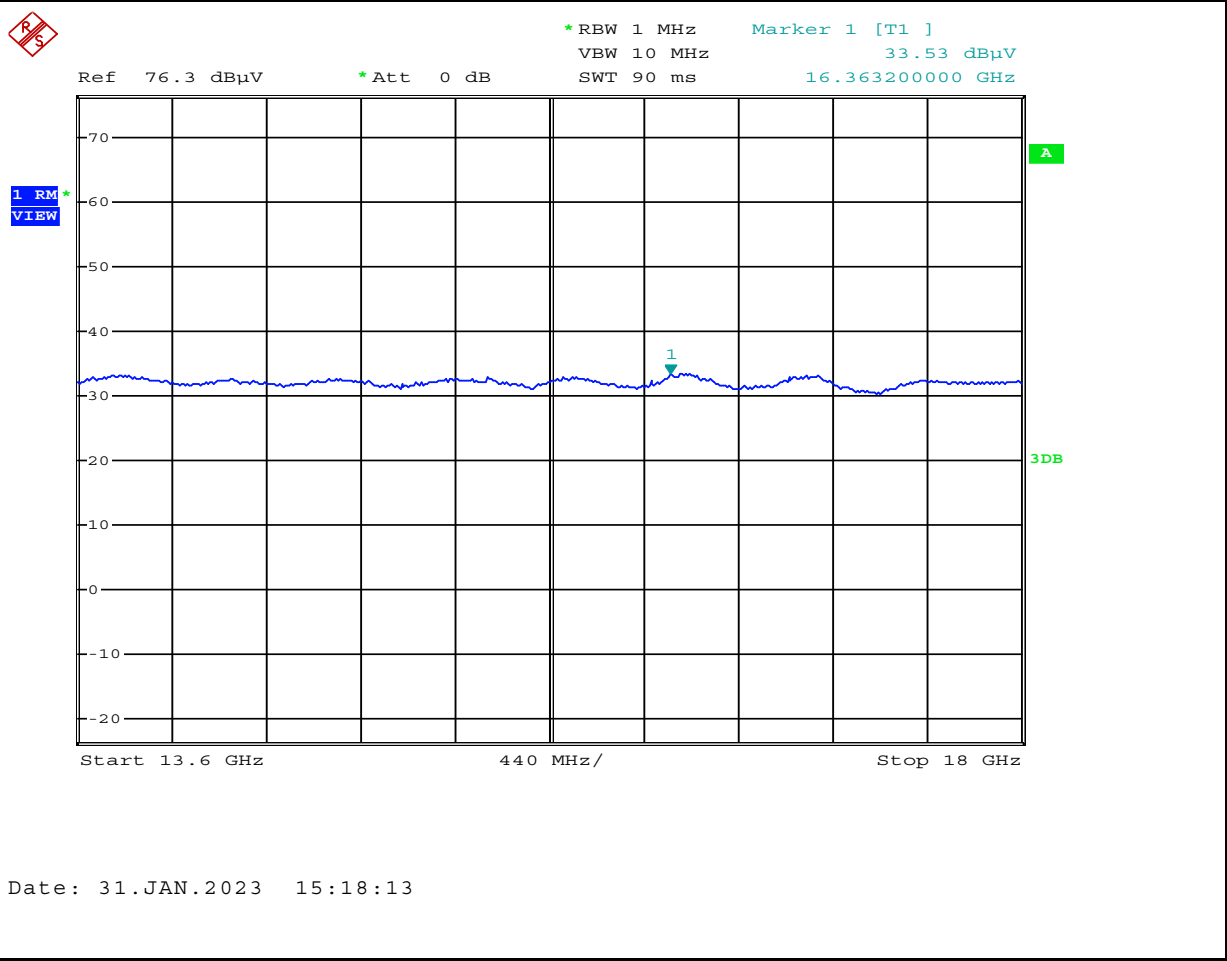


Date: 31.JAN.2023 15:15:40

Channel:	38
Mode:	BT BR
Polarization:	Vertical

Channel Frequency:	2440	MHz
Modulation:	GFSK	
Measured Emission:	ND	dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

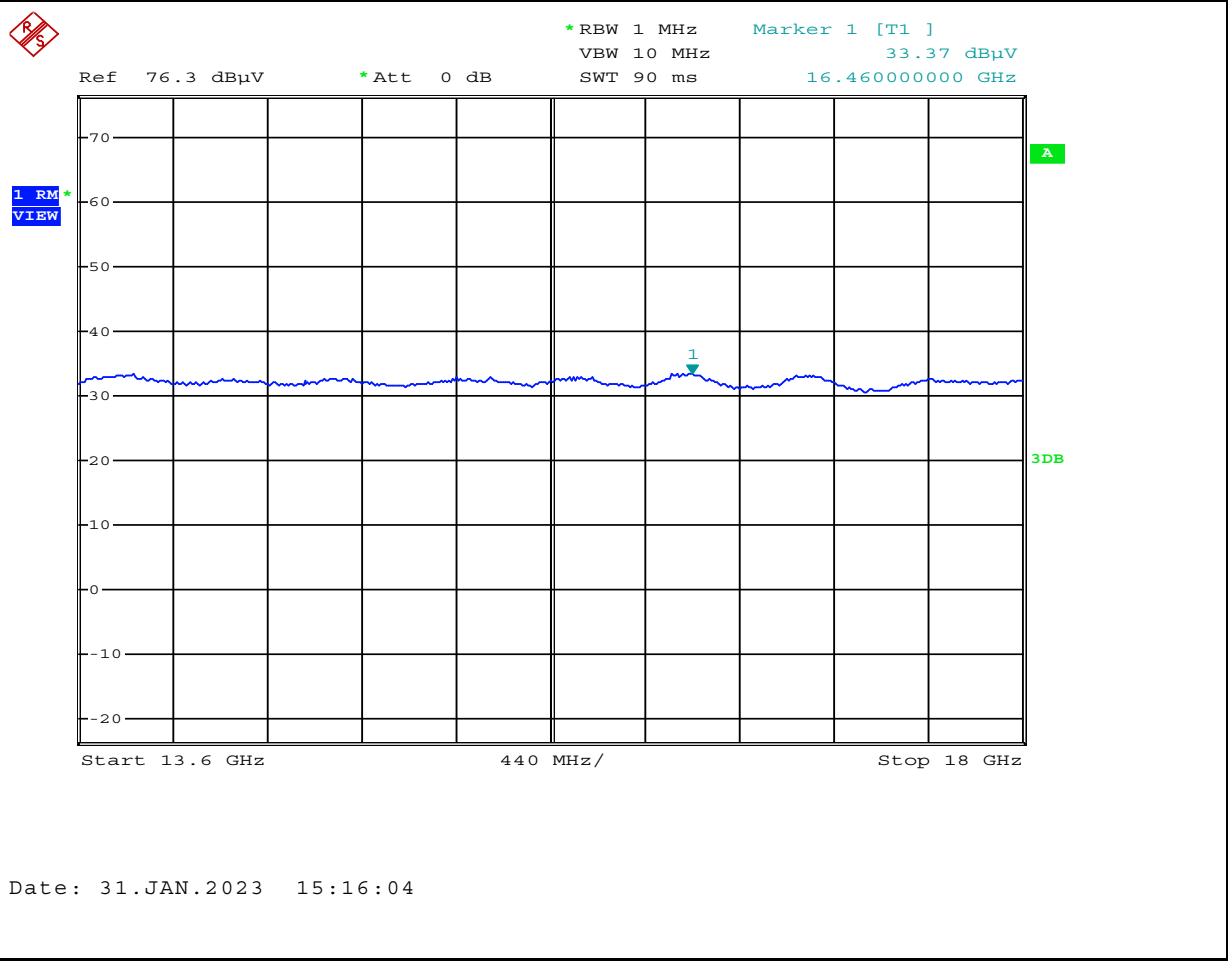
Polarization: Horizontal

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel:

38

Channel Frequency:

2440

MHz

Mode:

BT BR

Modulation:

GFSK

Polarization:

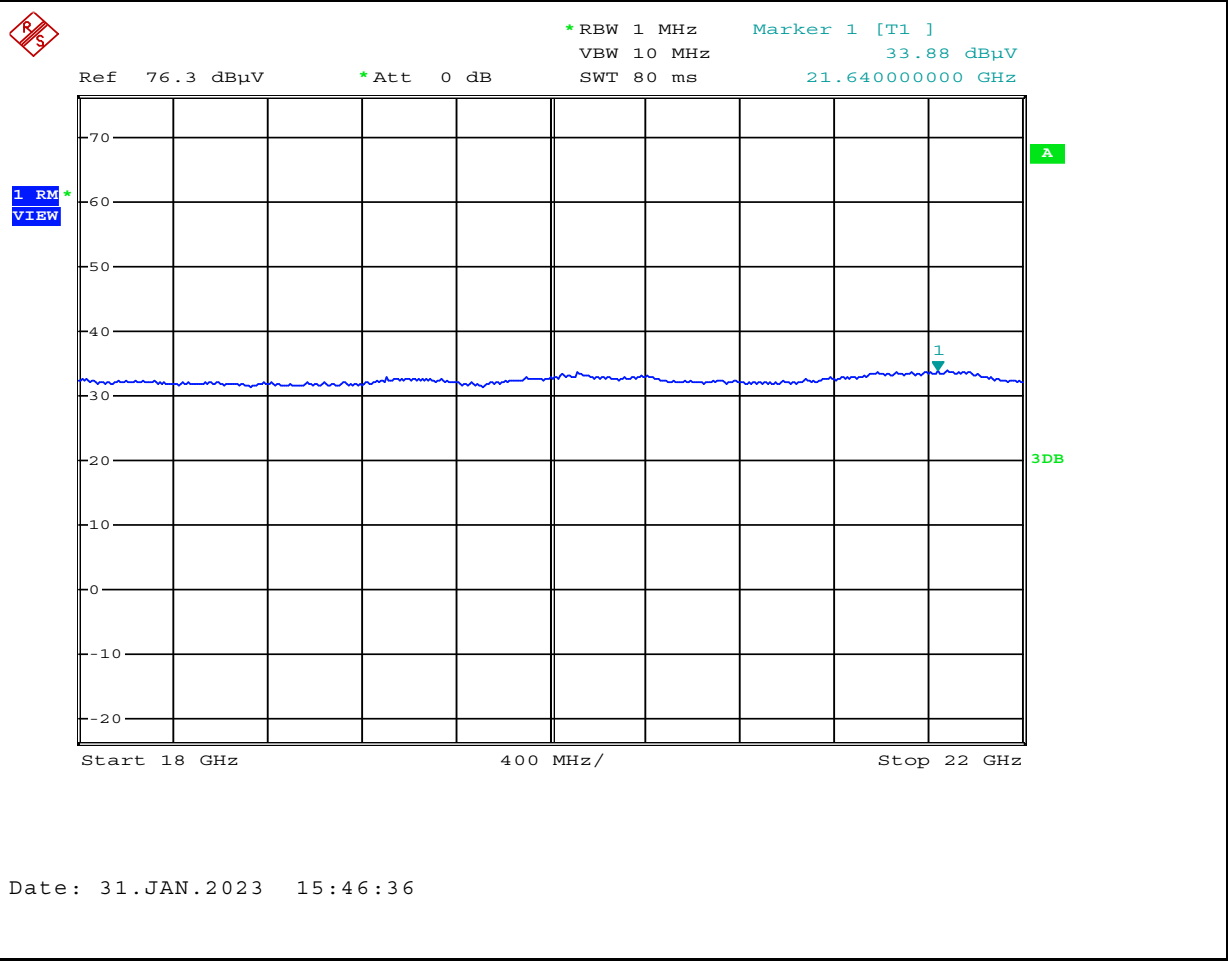
Vertical

Measured Emission:

ND

dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

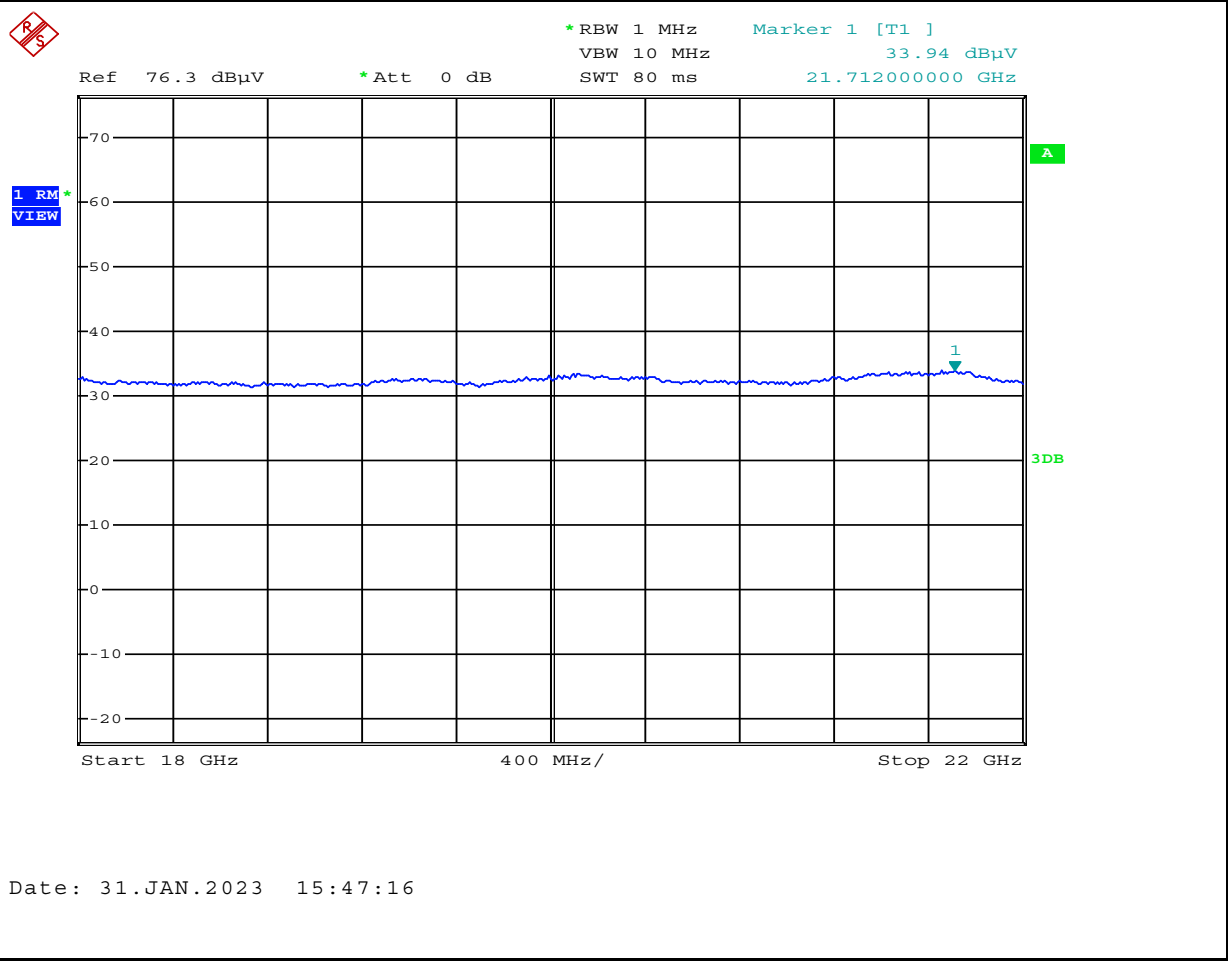
Polarization: Horizontal

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

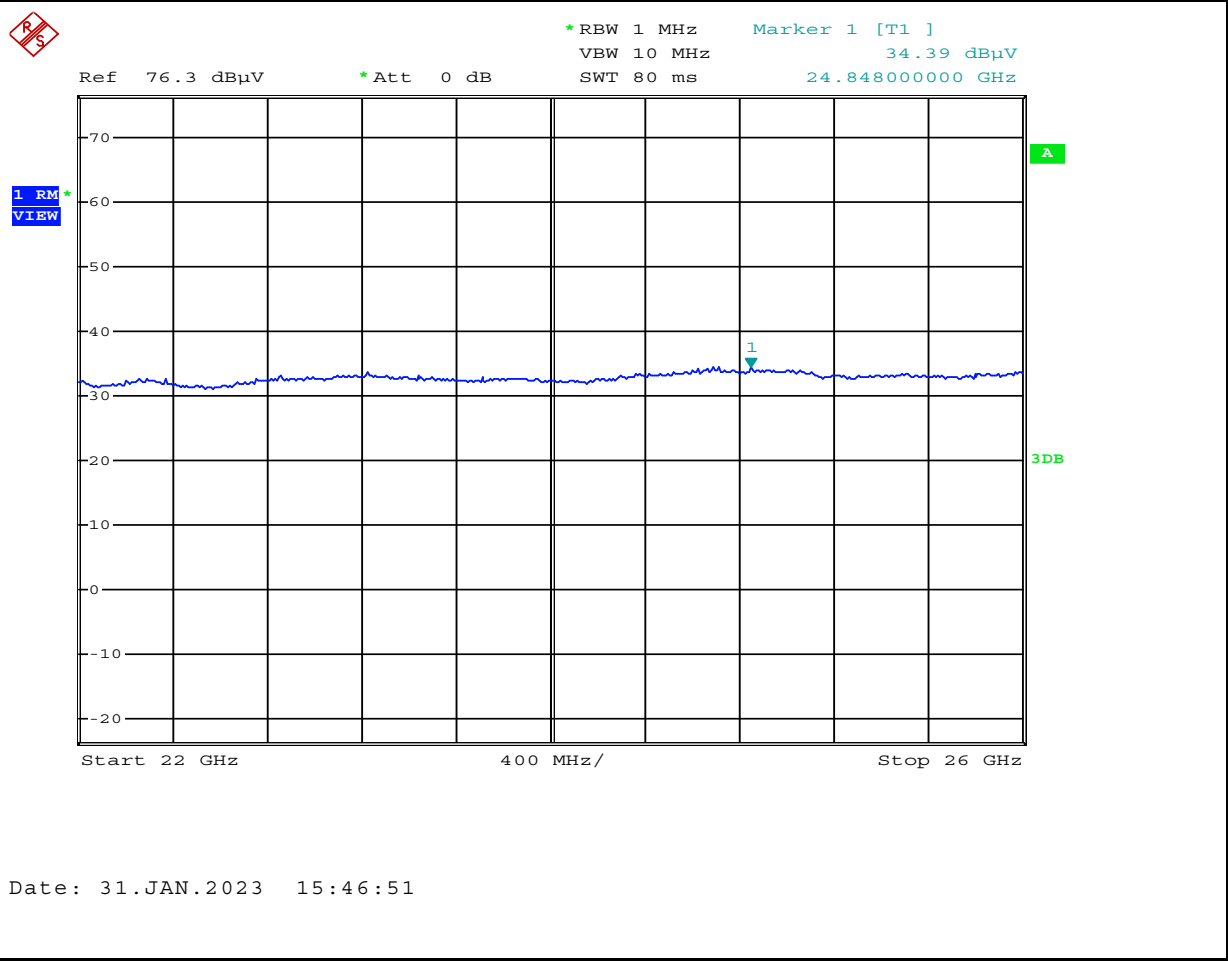
Polarization: Vertical

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

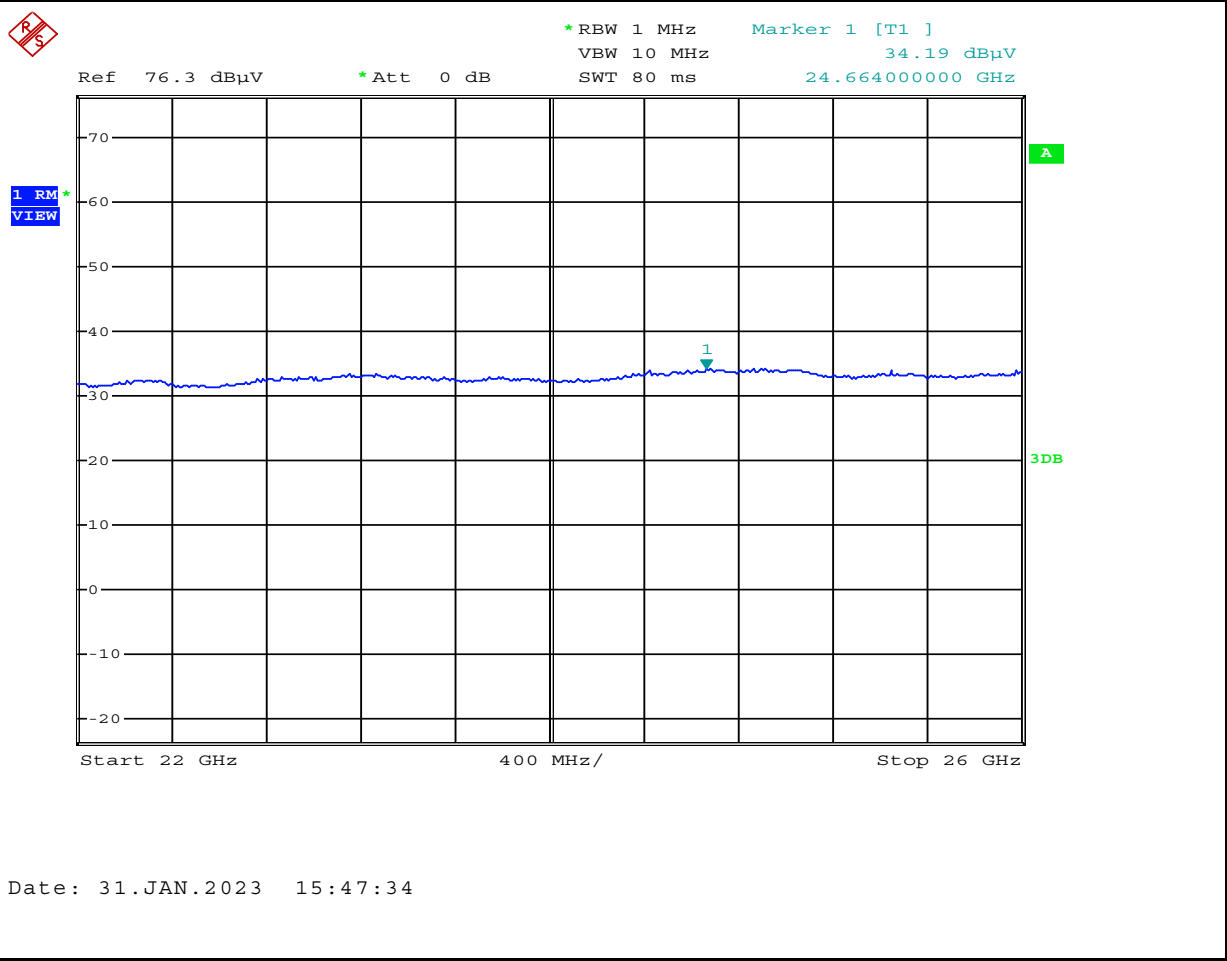
Polarization: Horizontal

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm

Radiated Tx Emissions:



Channel: 38

Mode: BT BR

Polarization: Vertical

Channel Frequency: 2440 MHz

Modulation: GFSK

Measured Emission: ND dBm