

SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

Limits:

47 CFR 27.53(m)(2) For digital base stations, the attenuation shall be not less than $43 + 10 \log(P)$ dB

Method:

ANSI C63.26:2015, Clause 5.7.1

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

While transmitting at full power, the spectrum was scanned from the lowest frequency generated by the equipment to the 10th harmonic.

The spectrum analyzer was configured to the following settings:

Frequency Range: 9 kHz – 30 MHz

- Detector = RMS Avg
- RBW = 10 kHz
- VBW = 100 kHz
- Trace Mode = Max Hold
- Number of points $\geq 2 * \text{span} / \text{RBW}$
- Sweep Time = $2 * (\text{Number of Points}) * (\text{Transmitter Period})$
- Marker was placed on the largest Emission
- A correction factor was applied the measured value¹

1. Correction factor is the sum of:

- a. Measurement bandwidth correction = $10 * \log [\text{Reference Bandwidth} / \text{Measurement Bandwidth}]$
= $10 * \log [1 \text{ MHz} / 0.01 \text{ MHz}] = 20 \text{ dB}$
- b. Duty cycle correction factor = $10 * \log [1 / \text{duty cycle}]$
= $10 * \log [1 / 0.74] = 1.3 \text{ dB}$

Frequency Range: 30 MHz – 27 GHz

- Detector = Peak
- RBW = 1 MHz
- VBW = 3 MHz
- Trace Mode = Max Hold
- Sweep Time = Auto
- Trace was allowed to stabilize
- A marker was place on the largest emission in the span of the measurement

The reference level offset for screen capture(s) uses an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value.

As outlined in FCC KDB 662911, clause 3(a)(iii) - radios with multiple outputs require an additional $10 * \log(N_{\text{out}})$ dB, where N is the number of outputs shall be added to the measured results. For this device, $N = 2$. Giving $10 * \log(2) = 3 \text{ dB}$.

Screen capture(s) Offset = "Internal" cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and MIMO correction factor of 3 dB.

Notes

1. As outlined in in ANSI C63.26:2015, Clause 5.7.2(e), to show compliance for a given EBW, testing was limited to the worst case mode.
 - a. For 20 MHz BW, two modes were selected. The mode that yielded the highest output power and the mode that yielded the largest 99% OBW.
 - b. For 40 MHz BW, two modes were selected. The mode that yielded the highest output power and the mode that yielded the largest 99% OBW.

SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2026-02-26	2027-02-26
Generator - Signal	Agilent	N5181A	TIG	2026-04-16	2029-04-16
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2026-04-02	2027-04-02
Attenuator	S.M. Electronics	SA26B-20	AWU	2026-03-31	2027-03-31
Attenuator	S.M. Electronics	SA26B-20	AUY	2026-04-02	2027-04-02

SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



EUT:	ER2025	Work Order:	PCTE0097
Serial Number:	ER003A-2612061006	Date:	2026-08-18
Customer:	Eridan Communications, Inc.	Temperature:	22.3°C
Attendees:	None	Relative Humidity:	47.6%
Customer Project:	None	Bar. Pressure (PMSL):	1017.3 mbar
Tested By:	Jeff Alcoke	Job Site:	EV06
Power:	-48 VDC via 110VAC/60Hz	Configuration:	PCTE0097-3

COMMENTS

A 50 Ohm load was connected to the port that was not under test.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass


Tested By

TEST RESULTS

	Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Correction Factor (dB)	Max Value (dBm)	Limit ≤ (dBm)	Result
MIMO, ANT Port 1							
16-QAM, 20 MHz BW							
Low Ch. 2506 MHz	9 kHz - 30 MHz	0.584	-36.99	21.3	-15.69	-13	Pass
	30 MHz - 2.491 GHz	2389.76	-22.03	0	-22.03	-13	Pass
	2.696 GHz - 15 GHz	13621.62	-21.25	0	-21.25	-13	Pass
	15 GHz - 27 GHz	26186.52	-16.91	0	-16.91	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.579	-37.28	21.3	-15.98	-13	Pass
	30 MHz - 2.491 GHz	2478.11	-23.14	0	-23.14	-13	Pass
	2.696 GHz - 15 GHz	10370.57	-21.87	0	-21.87	-13	Pass
	15 GHz - 27 GHz	25545.09	-16.86	0	-16.86	-13	Pass
High Ch. 2680 MHz	9 kHz - 30 MHz	0.579	-37.52	21.3	-16.22	-13	Pass
	30 MHz - 2.491 GHz	2474.31	-23.39	0	-23.39	-13	Pass
	2.696 GHz - 15 GHz	3777.52	-21.75	0	-21.75	-13	Pass
	15 GHz - 27 GHz	26442.4	-17.25	0	-17.25	-13	Pass
Single PRB 256-QAM, 20 MHz BW							
Low Ch. 2506 MHz	9 kHz - 30 MHz	0.089	-38.26	21.3	-16.96	-13	Pass
	30 MHz - 2.491 GHz	2472.11	-23.43	0	-23.43	-13	Pass
	2.696 GHz - 15 GHz	10576.98	-21.66	0	-21.66	-13	Pass
	15 GHz - 27 GHz	26219.17	-16.73	0	-16.73	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.089	-38.09	21.3	-16.79	-13	Pass
	30 MHz - 2.491 GHz	2473.71	-23.57	0	-23.57	-13	Pass
	2.696 GHz - 15 GHz	13600.13	-21.75	0	-21.75	-13	Pass
	15 GHz - 27 GHz	24012.67	-17.43	0	-17.43	-13	Pass
High Ch. 2680 MHz	9 kHz - 30 MHz	0.089	-38.13	21.3	-16.83	-13	Pass
	30 MHz - 2.491 GHz	2424.94	-23.65	0	-23.65	-13	Pass
	2.696 GHz - 15 GHz	14477.73	-21.64	0	-21.64	-13	Pass
	15 GHz - 27 GHz	25301.87	-16.83	0	-16.83	-13	Pass

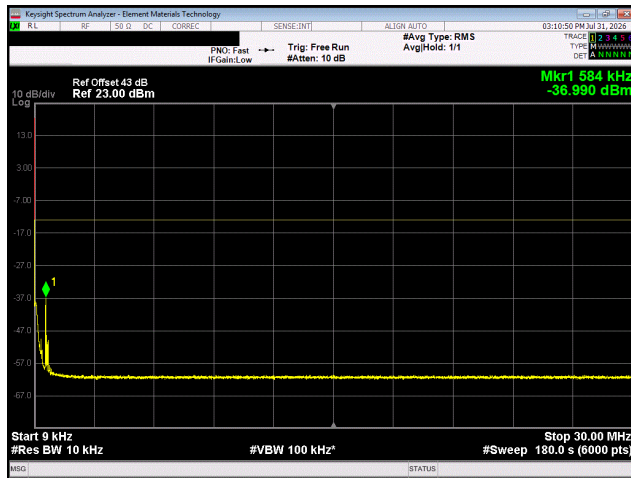
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS

	Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Correction Factor (dB)	Max Value (dBm)	Limit ≤ (dBm)	Result
Boosted RBs QPSK, 40 MHz BW							
Low Ch. 2516 MHz	9 kHz - 30 MHz	0.584	-37.51	21.3	-16.21	-13	Pass
	30 MHz - 2.491 GHz	2476.91	-20.68	0	-20.68	-13	Pass
	2.691 GHz - 15 GHz	13952.59	-21.15	0	-21.15	-13	Pass
	15 GHz - 27 GHz	25687.41	-16.89	0	-16.89	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.084	-38.08	21.3	-16.78	-13	Pass
	30 MHz - 2.491 GHz	2417.74	-22.87	0	-22.87	-13	Pass
	2.691 GHz - 15 GHz	13704.11	-21.48	0	-21.48	-13	Pass
	15 GHz - 27 GHz	23805.04	-17.08	0	-17.08	-13	Pass
High Ch. 2670 MHz	9 kHz - 30 MHz	0.079	-38.07	21.3	-16.77	-13	Pass
	30 MHz - 2.491 GHz	2472.71	-21.40	0	-21.4	-13	Pass
	2.691 GHz - 15 GHz	2691	-18.94	0	-18.94	-13	Pass
	15 GHz - 27 GHz	26820.63	-16.68	0	-16.68	-13	Pass
Single PRB 256-QAM, 40 MHz BW							
Low Ch. 2516 MHz	9 kHz - 30 MHz	0.074	-38.01	21.3	-16.71	-13	Pass
	30 MHz - 2.491 GHz	2355.78	-24.01	0	-24.01	-13	Pass
	2.691 GHz - 15 GHz	13717.6	-21.04	0	-21.04	-13	Pass
	15 GHz - 27 GHz	26047.6	-17.23	0	-17.23	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.089	-37.95	21.3	-16.65	-13	Pass
	30 MHz - 2.491 GHz	2403.35	-24.05	0	-24.05	-13	Pass
	2.691 GHz - 15 GHz	14287.06	-21.45	0	-21.45	-13	Pass
	15 GHz - 27 GHz	25338.42	-16.91	0	-16.91	-13	Pass
High Ch. 2670 MHz	9 kHz - 30 MHz	0.084	-38.04	21.3	-16.74	-13	Pass
	30 MHz - 2.491 GHz	2446.93	-23.85	0	-23.85	-13	Pass
	2.691 GHz - 15 GHz	2691	-17.32	0	-17.32	-13	Pass
	15 GHz - 27 GHz	26412.67	-17.24	0	-17.24	-13	Pass
MIMO, ANT Port 2							
16-QAM, 20 MHz BW							
Low Ch. 2506 MHz	9 kHz - 30 MHz	0.094	-38.00	21.3	-16.7	-13	Pass
	30 MHz - 2.491 GHz	2319.4	-23.12	0	-23.12	-13	Pass
	2.696 GHz - 15 GHz	14289.82	-21.34	0	-21.34	-13	Pass
	15 GHz - 27 GHz	24401.62	-16.83	0	-16.83	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.089	-37.96	21.3	-16.66	-13	Pass
	30 MHz - 2.491 GHz	2453.72	-23.53	0	-23.53	-13	Pass
	2.696 GHz - 15 GHz	13765.05	-21.99	0	-21.99	-13	Pass
	15 GHz - 27 GHz	25802.92	-17.52	0	-17.52	-13	Pass
High Ch. 2680 MHz	9 kHz - 30 MHz	0.099	-38.23	21.3	-16.93	-13	Pass
	30 MHz - 2.491 GHz	2479.21	-23.75	0	-23.75	-13	Pass
	2.696 GHz - 15 GHz	14490.23	-20.94	0	-20.94	-13	Pass
	15 GHz - 27 GHz	25874.09	-16.88	0	-16.88	-13	Pass
Single PRB 256-QAM, 20 MHz BW							
Low Ch. 2506 MHz	9 kHz - 30 MHz	0.094	-38.02	21.3	-16.72	-13	Pass
	30 MHz - 2.491 GHz	2476.31	-23.74	0	-23.74	-13	Pass
	2.696 GHz - 15 GHz	13884.5	-22.06	0	-22.06	-13	Pass
	15 GHz - 27 GHz	25614.3	-17.02	0	-17.02	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.074	-38.15	0	-38.15	-13	Pass
	30 MHz - 2.491 GHz	2387.46	-23.77	0	-23.77	-13	Pass
	2.696 GHz - 15 GHz	10534.5	-21.41	0	-21.41	-13	Pass
	15 GHz - 27 GHz	25399.35	-16.52	0	-16.52	-13	Pass

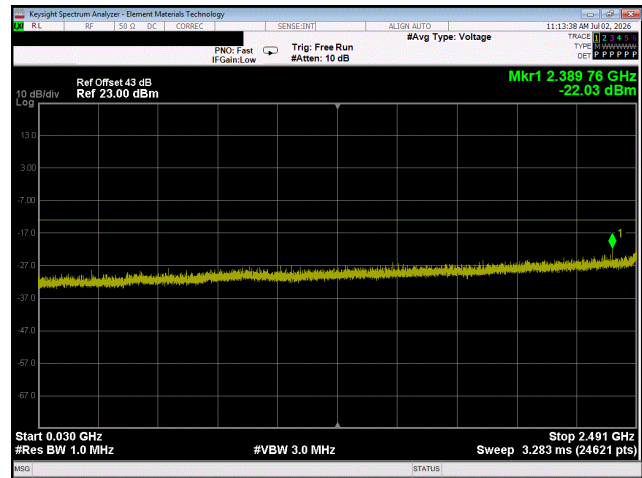
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS

	Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Correction Factor (dB)	Max Value (dBm)	Limit ≤ (dBm)	Result
High Ch. 2680 MHz	9 kHz - 30 MHz	0.094	-37.97	21.3	-16.67	-13	Pass
	30 MHz - 2.491 GHz	2481.81	-23.43	0	-23.43	-13	Pass
	2.696 GHz - 15 GHz	14570.69	-21.38	0	-21.38	-13	Pass
	15 GHz - 27 GHz	25624.05	-16.35	0	-16.35	-13	Pass
Boosted RBs QPSK, 40 MHz BW							
Low Ch. 2516 MHz	9 kHz - 30 MHz	0.099	-38.2	21.3	-16.9	-13	Pass
	30 MHz - 2.491 GHz	2383.77	-21.07	0	-21.07	-13	Pass
	2.691 GHz - 15 GHz	14814.52	-22.05	0	-22.05	-13	Pass
	15 GHz - 27 GHz	25725.43	-17.02	0	-17.02	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.89	-38.05	21.3	-16.75	-13	Pass
	30 MHz - 2.491 GHz	2392.06	-21.80	0	-21.8	-13	Pass
	2.691 GHz - 15 GHz	10531.36	-21.49	0	-21.49	-13	Pass
	15 GHz - 27 GHz	26451.67	-16.99	0	-16.99	-13	Pass
High Ch. 2670 MHz	9 kHz - 30 MHz	0.084	-37.71	21.3	-16.41	-13	Pass
	30 MHz - 2.491 GHz	2487.3	-21.91	0	-21.91	-13	Pass
	2.691 GHz - 15 GHz	2691	-15.97	0	-15.97	-13	Pass
	15 GHz - 27 GHz	23999.51	-17.03	0	-17.03	-13	Pass
Single PRB 256-QAM, 40 MHz BW							
Low Ch. 2516 MHz	9 kHz - 30 MHz	0.084	-38.06	21.3	-16.76	-13	Pass
	30 MHz - 2.491 GHz	2403.05	-24.11	0	-24.11	-13	Pass
	2.691 GHz - 15 GHz	14917.51	-21.84	0	-21.84	-13	Pass
	15 GHz - 27 GHz	25796.1	-16.37	0	-16.37	-13	Pass
Mid Ch. 2593 MHz	9 kHz - 30 MHz	0.089	-38.17	21.3	-16.87	-13	Pass
	30 MHz - 2.491 GHz	2467.31	-23.45	0	-23.45	-13	Pass
	2.691 GHz - 15 GHz	10533.36	-21.26	0	-21.26	-13	Pass
	15 GHz - 27 GHz	25948.66	-16.92	0	-16.92	-13	Pass
High Ch. 2670 MHz	9 kHz - 30 MHz	0.084	-38.24	21.3	-16.94	-13	Pass
	30 MHz - 2.491 GHz	2488.9	-23.99	0	-23.99	-13	Pass
	2.691 GHz - 15 GHz	2691	-18.66	0	-18.66	-13	Pass
	15 GHz - 27 GHz	25989.6	-17.28	0	-17.28	-13	Pass

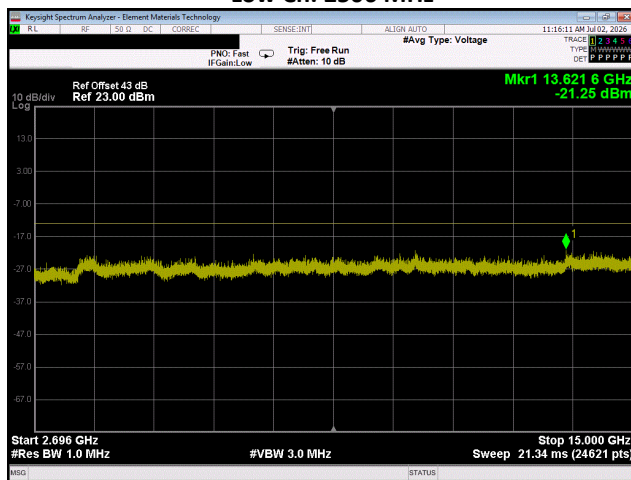
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



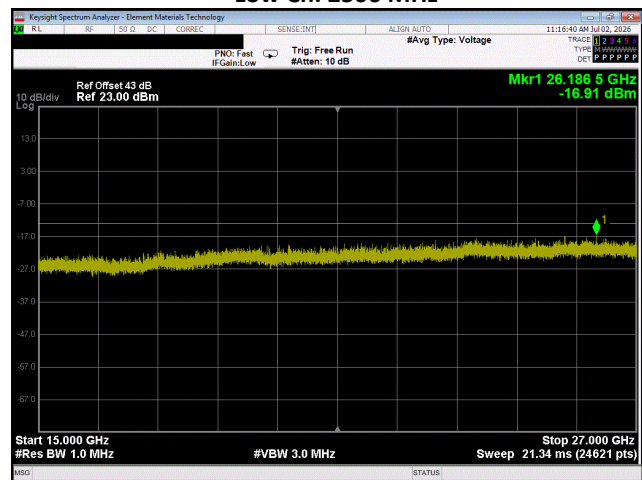
MIMO, ANT Port 1
16-QAM, 20 MHz BW
Low Ch. 2506 MHz



MIMO, ANT Port 1
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

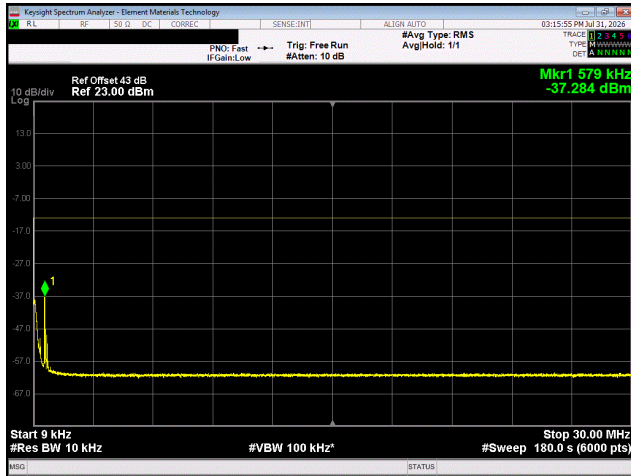


MIMO, ANT Port 1
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

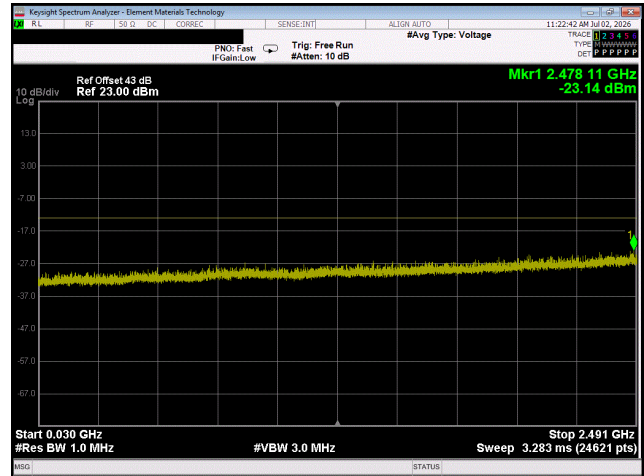


MIMO, ANT Port 1
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

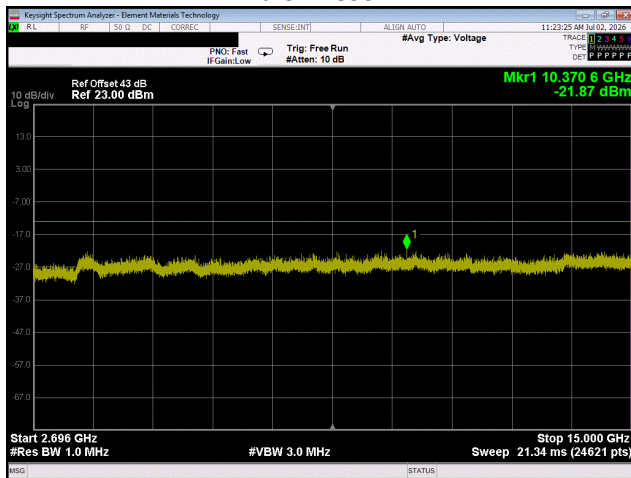
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



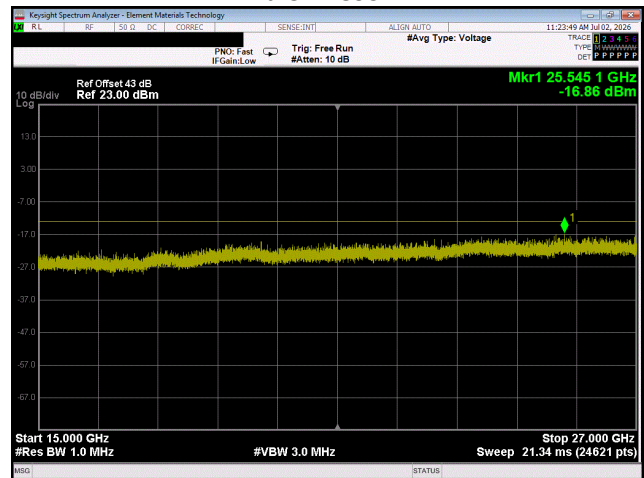
MIMO, ANT Port 1
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 1
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

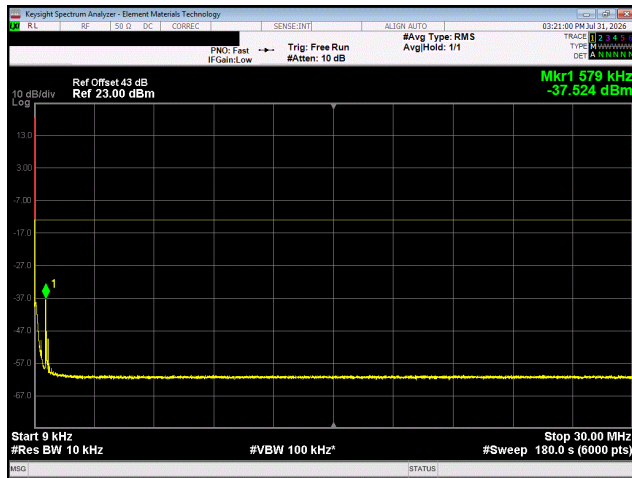


MIMO, ANT Port 1
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

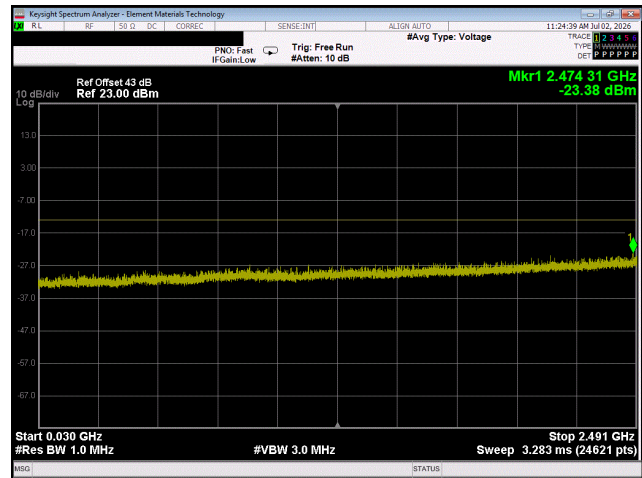


MIMO, ANT Port 1
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

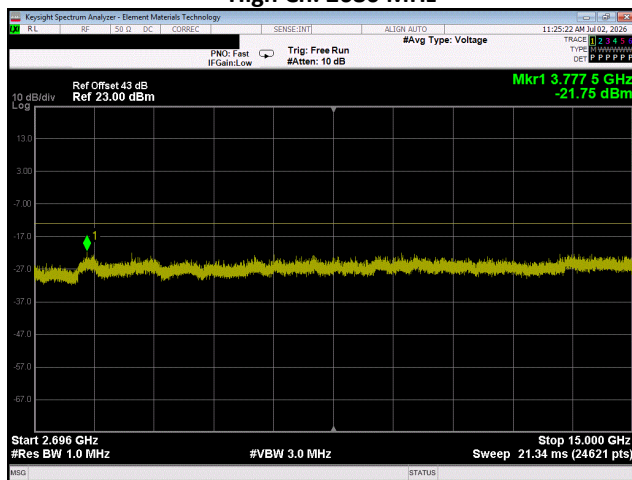
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



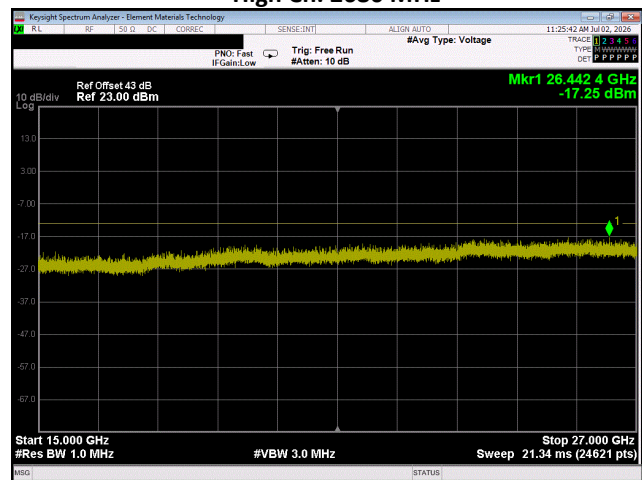
MIMO, ANT Port 1
16-QAM, 20 MHz BW
High Ch. 2680 MHz



MIMO, ANT Port 1
16-QAM, 20 MHz BW
High Ch. 2680 MHz

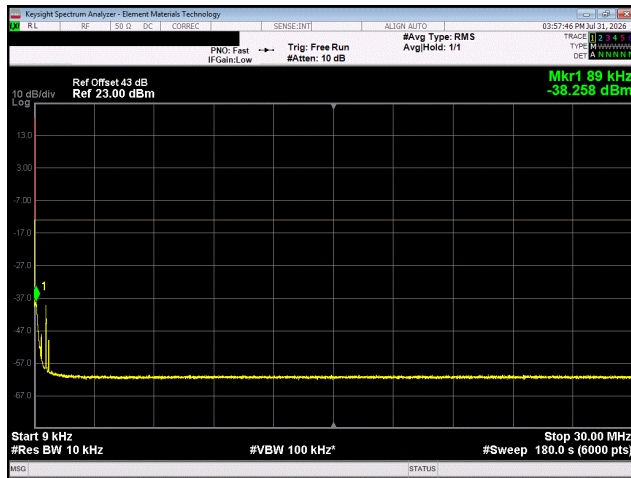


MIMO, ANT Port 1
16-QAM, 20 MHz BW
High Ch. 2680 MHz

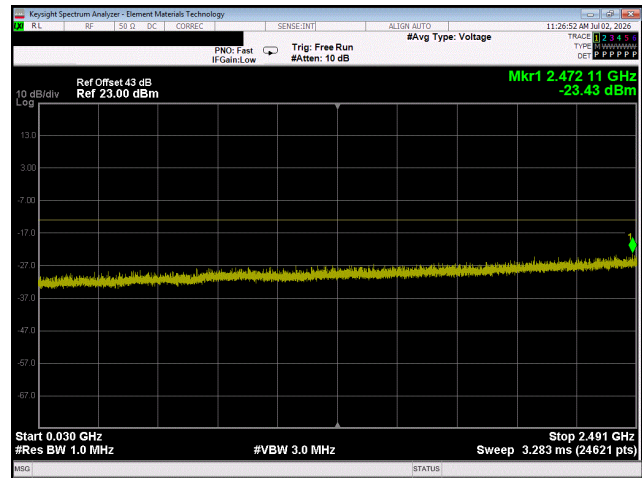


MIMO, ANT Port 1
16-QAM, 20 MHz BW
High Ch. 2680 MHz

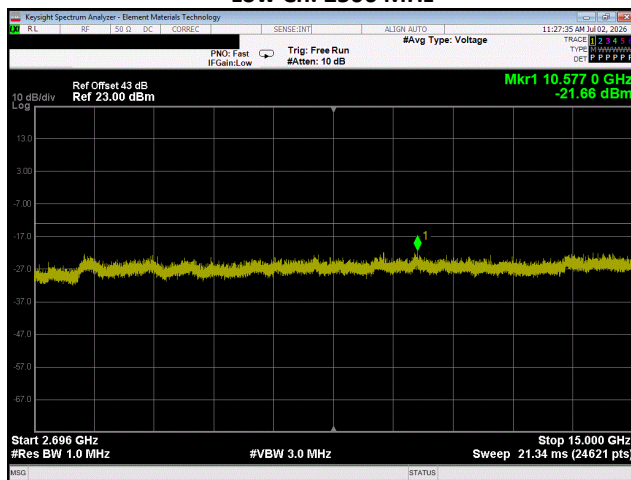
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



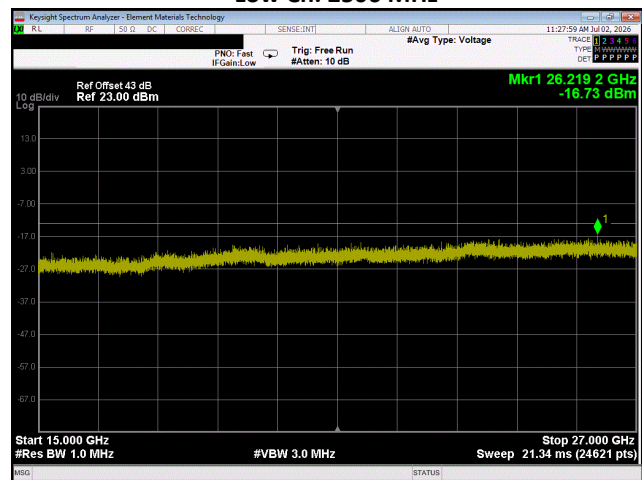
MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

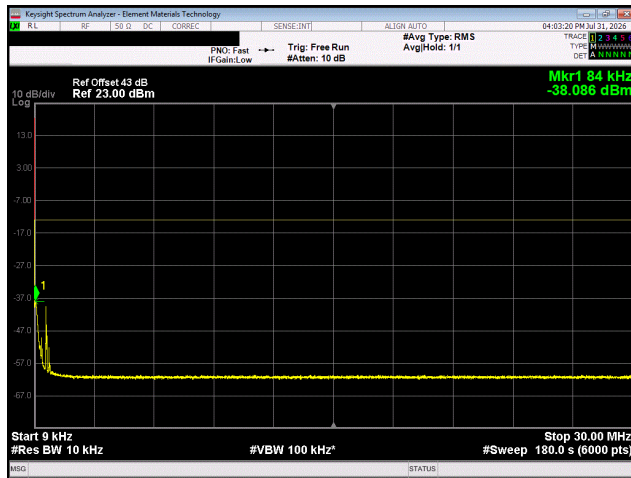


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

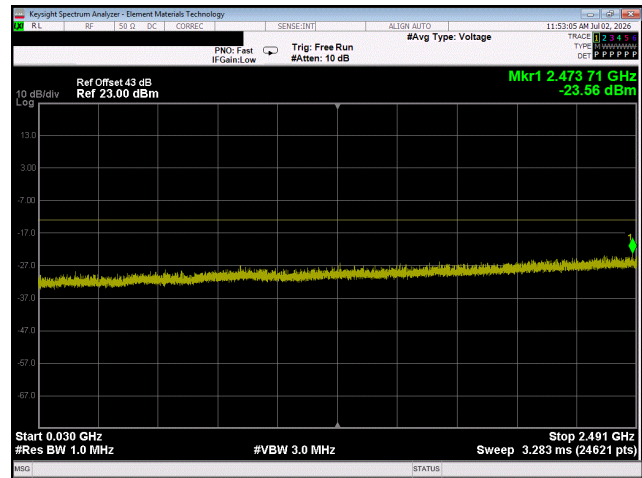


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

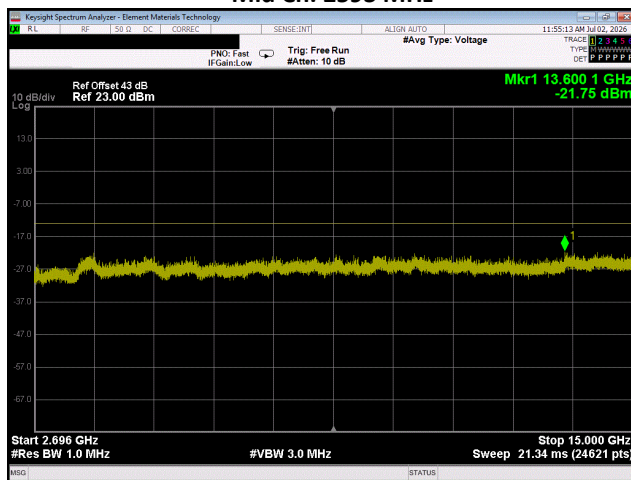
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



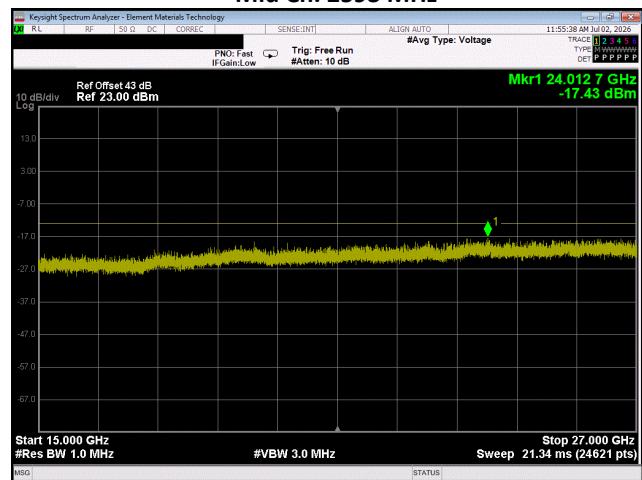
MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

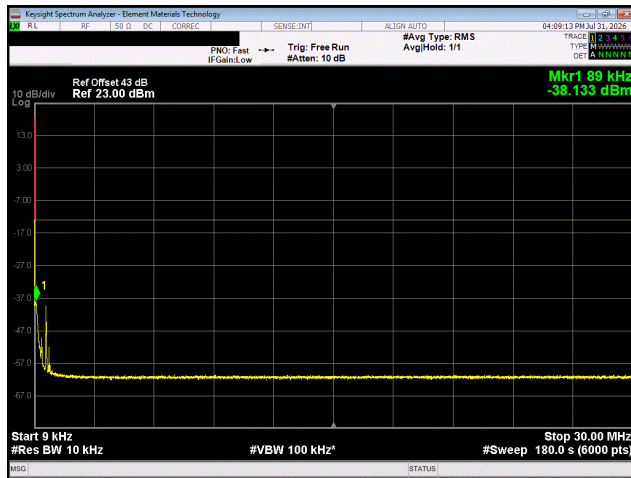


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

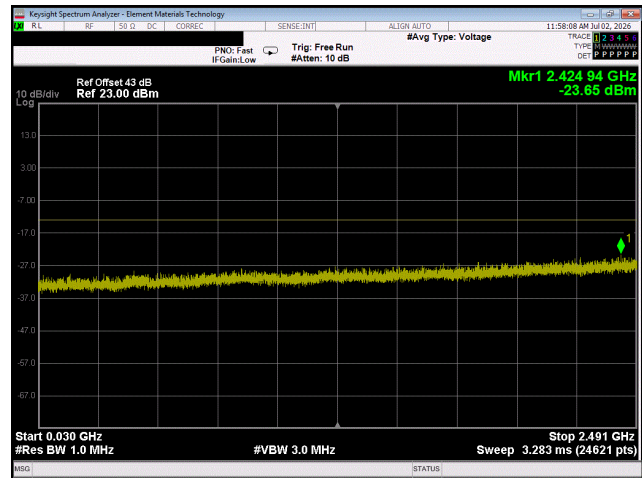


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

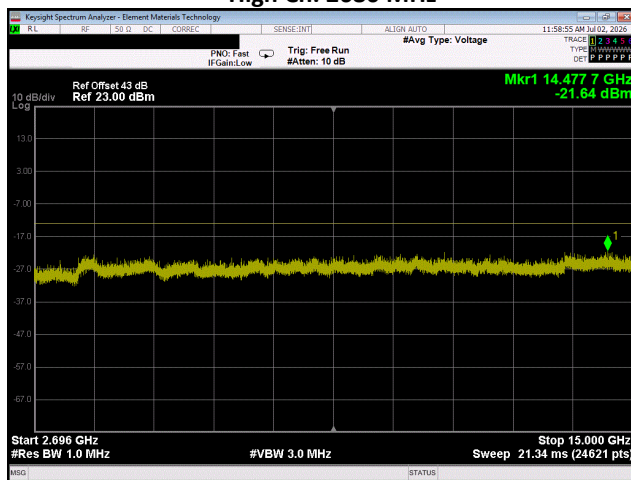
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



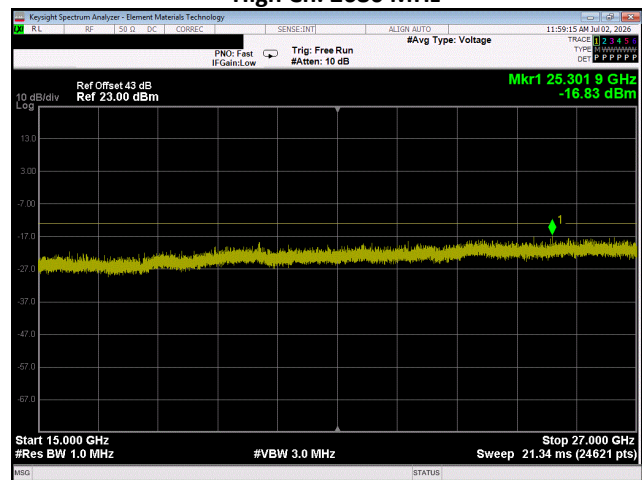
MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

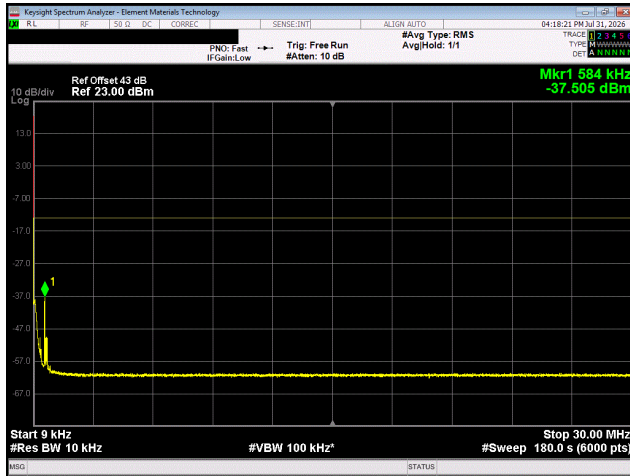


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

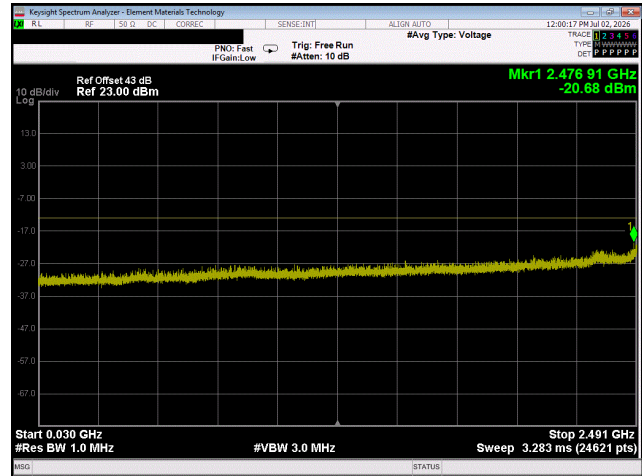


MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

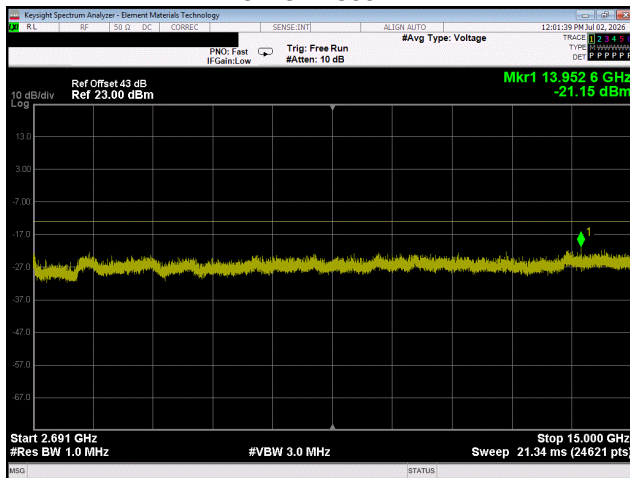
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



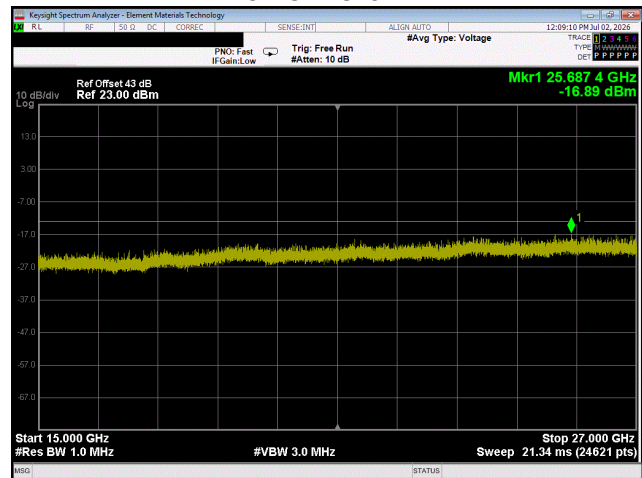
MIMO, ANT Port 1
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz



MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

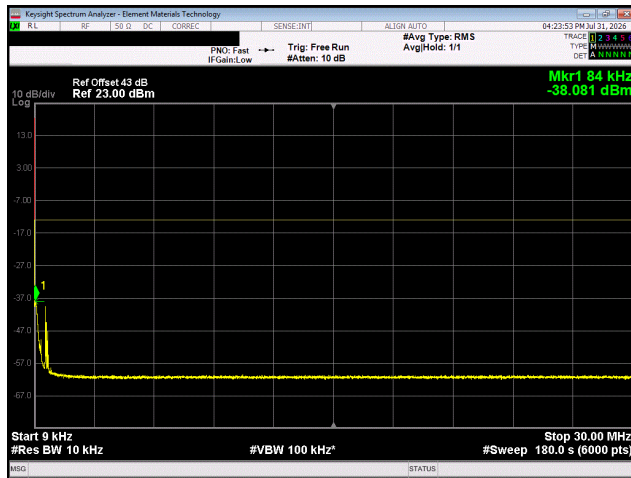


MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

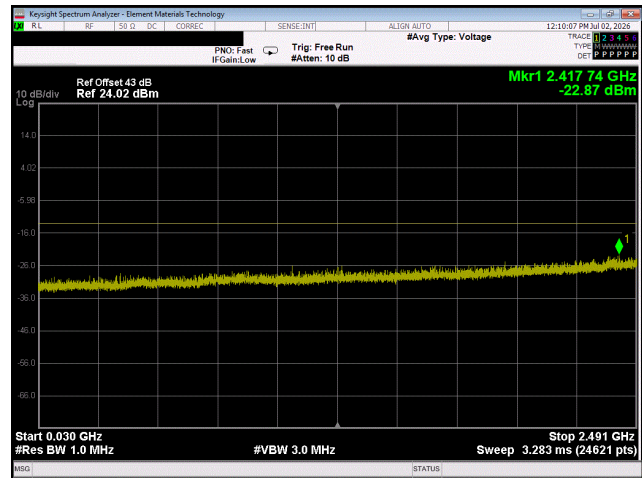


MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

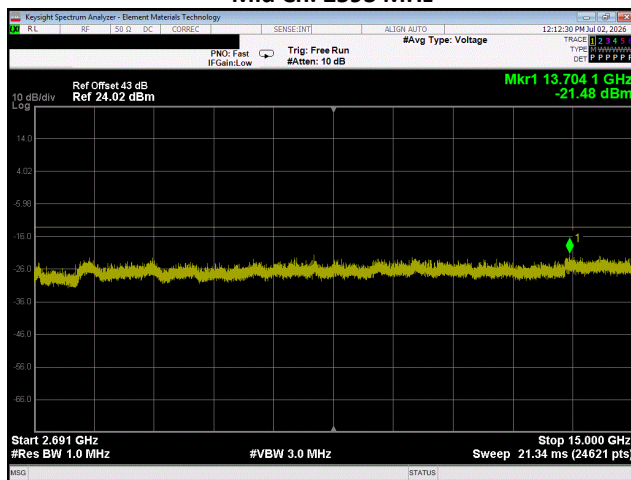
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



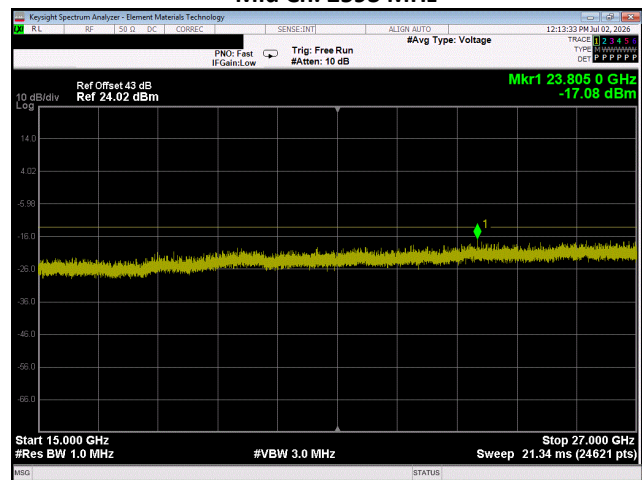
**MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz**



**MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz**

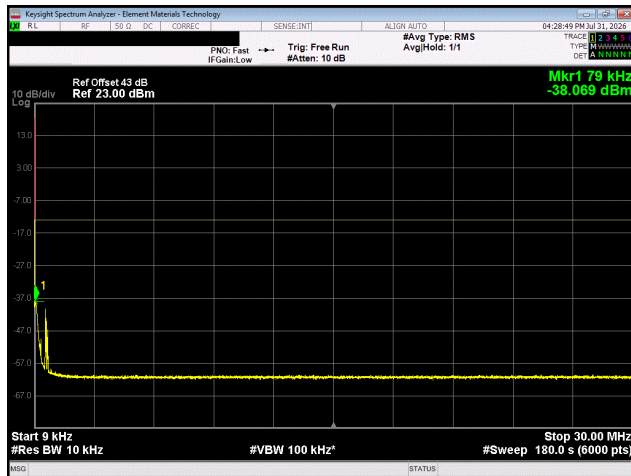


**MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz**

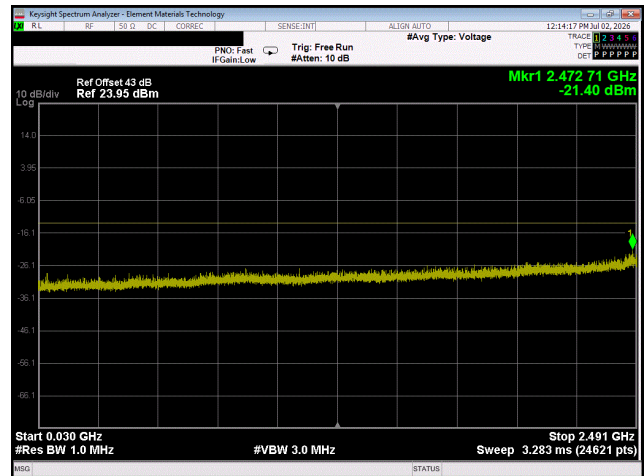


**MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz**

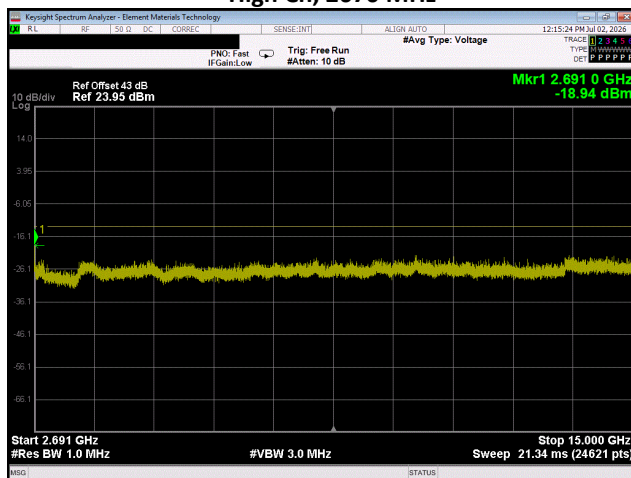
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



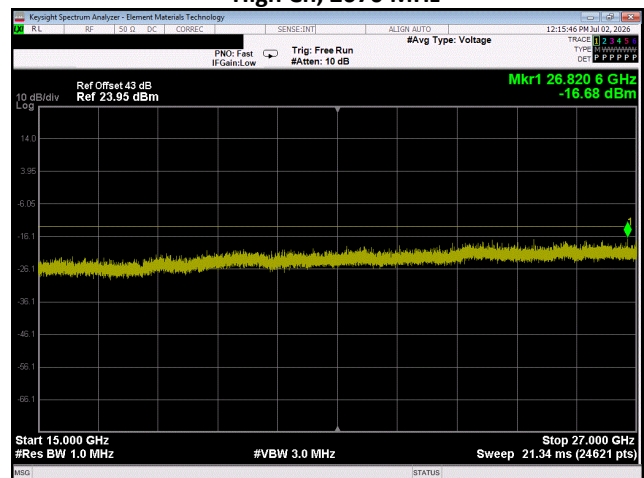
MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
High Ch, 2670 MHz



MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
High Ch, 2670 MHz

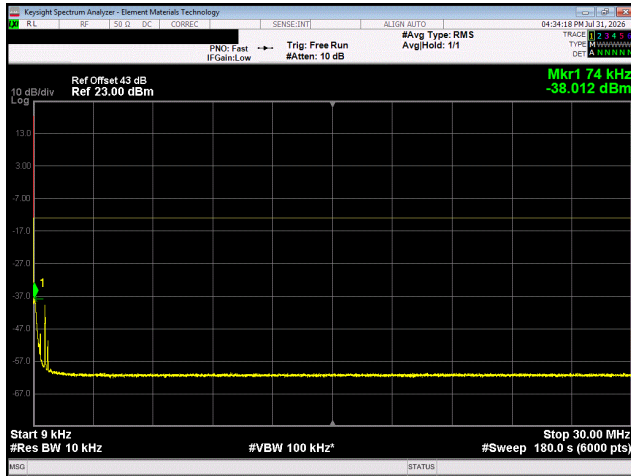


MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
High Ch, 2670 MHz

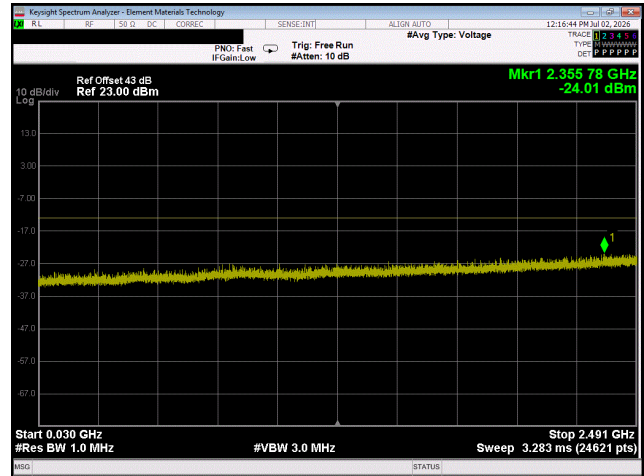


MIMO, ANT Port 1
Boosted RBs QPSK, 40 MHz BW
High Ch, 2670 MHz

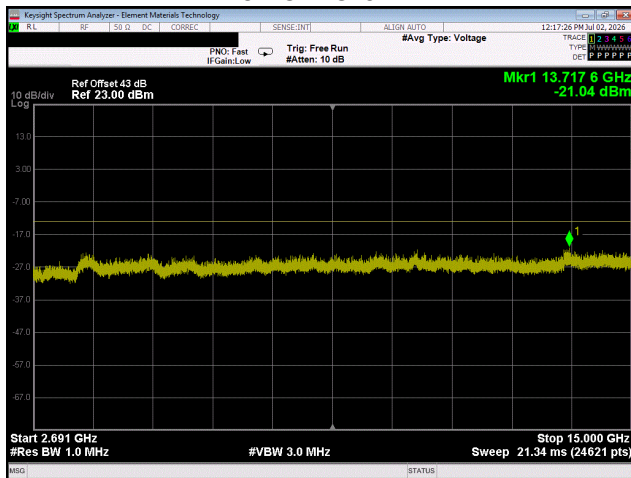
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



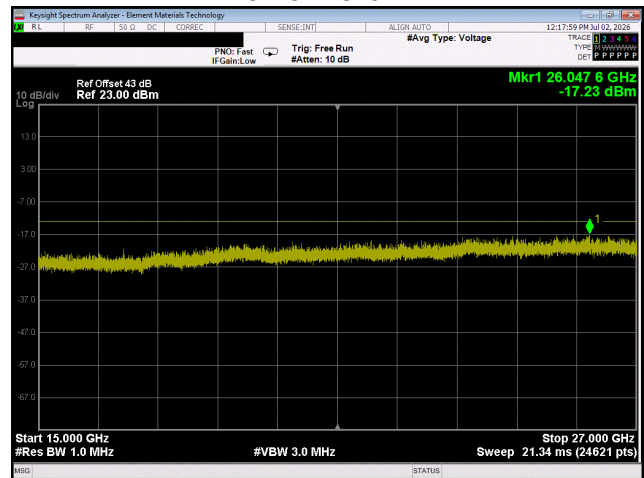
MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

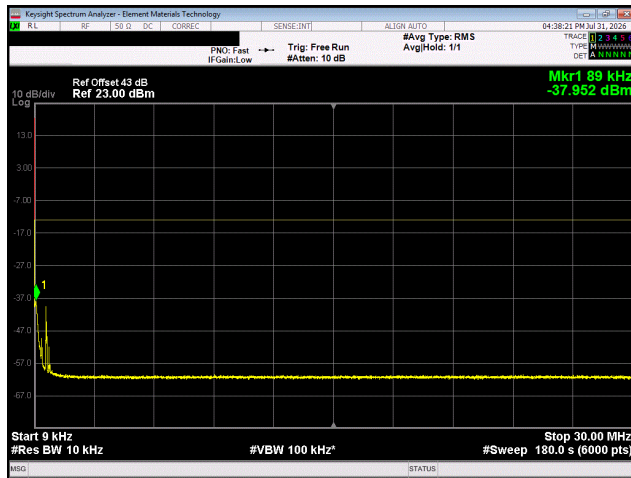


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

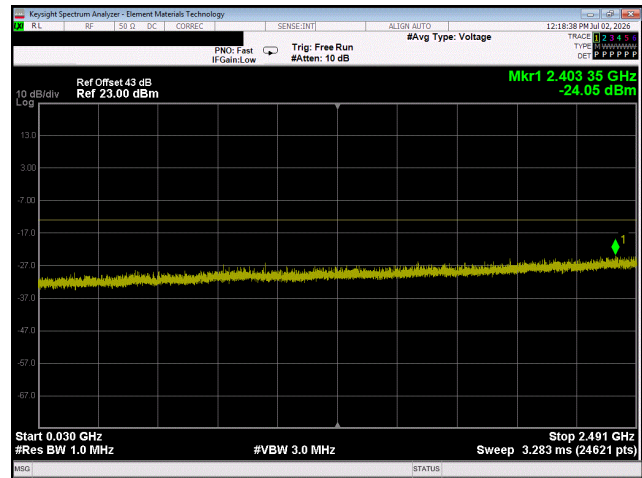


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

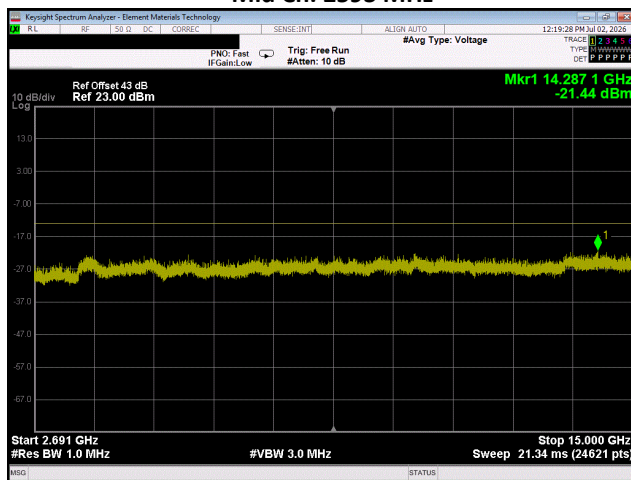
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



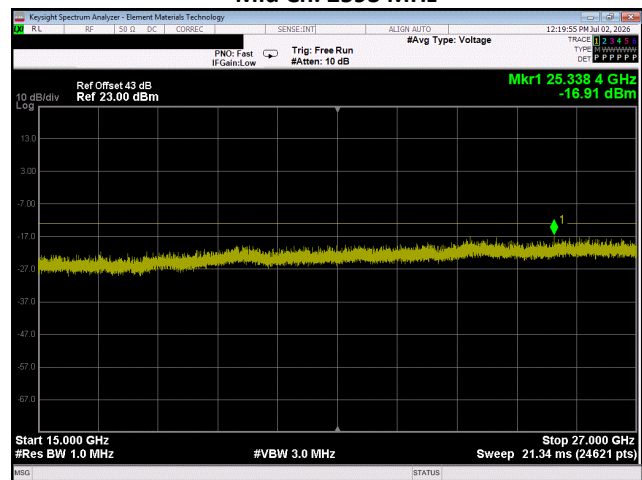
MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

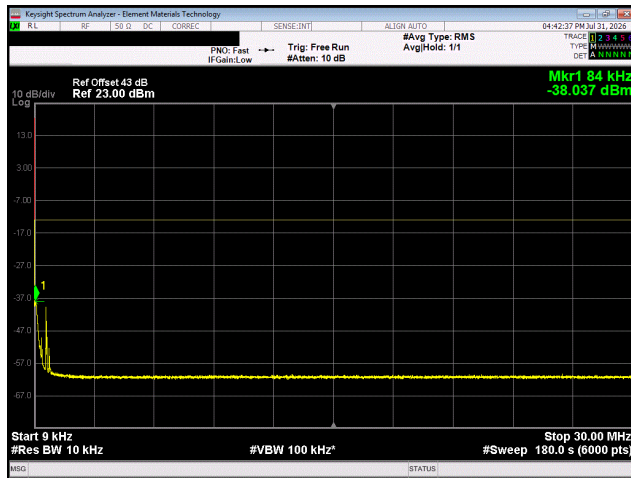


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

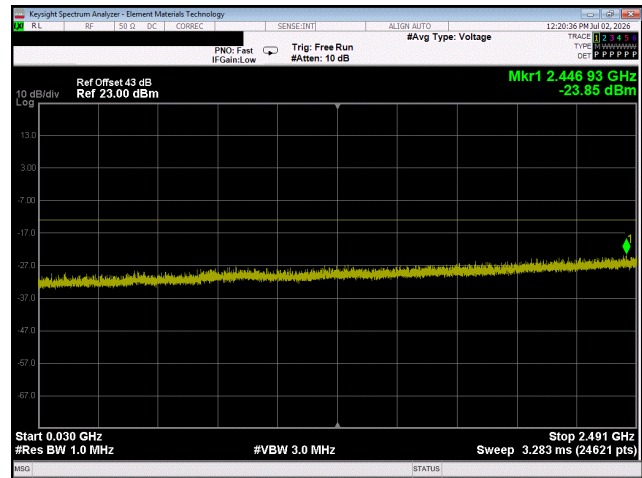


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

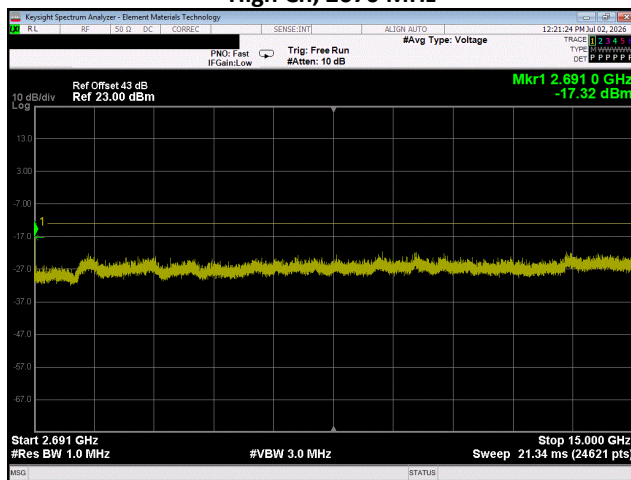
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



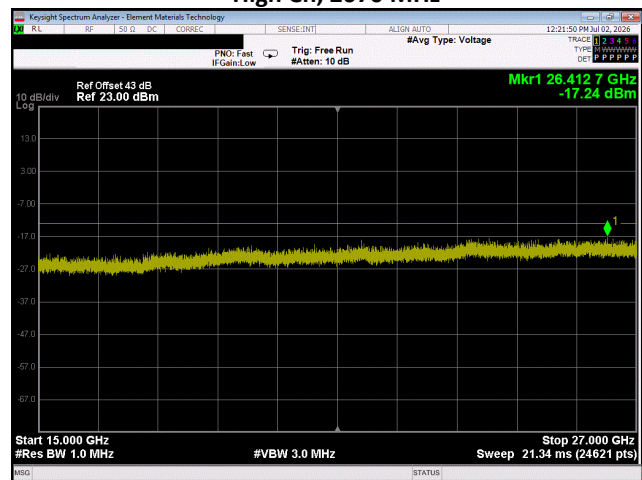
MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz



MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz

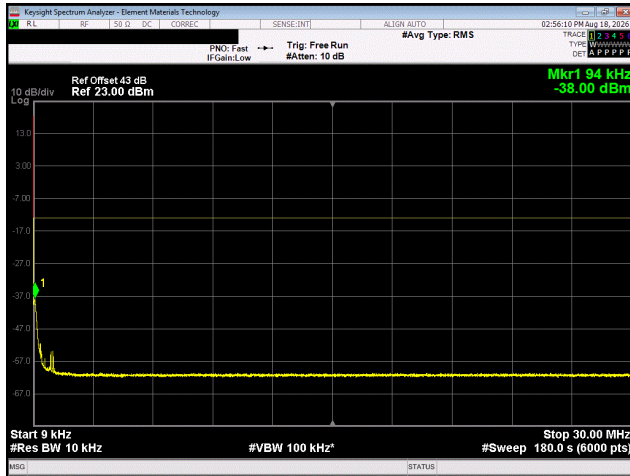


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz

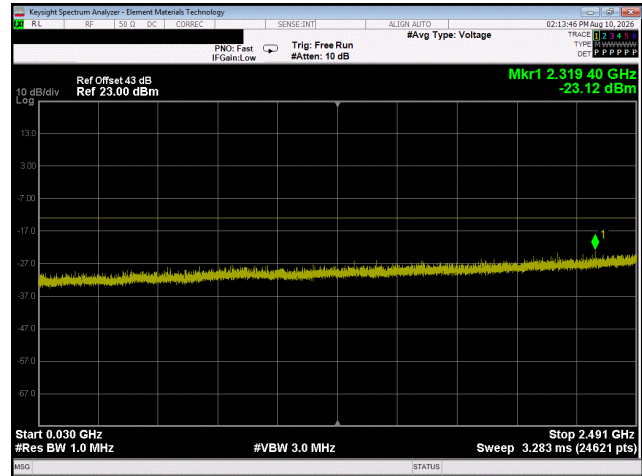


MIMO, ANT Port 1
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz

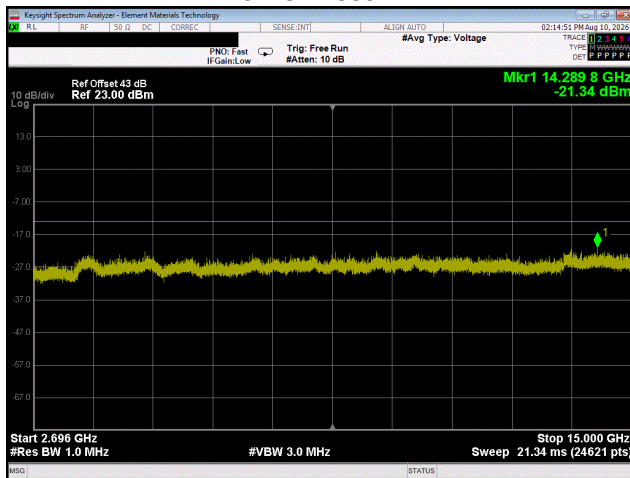
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



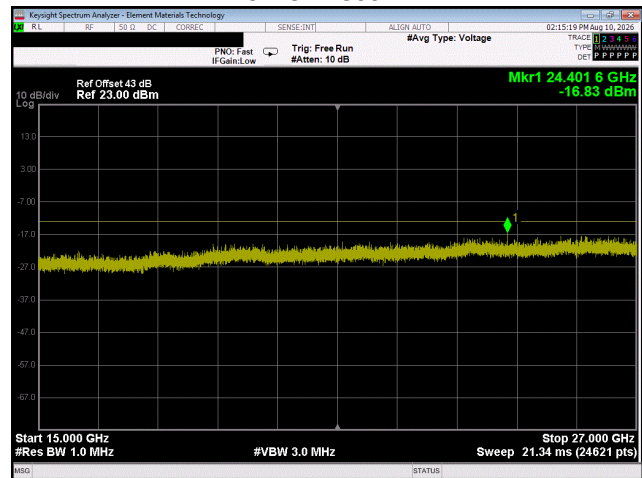
MIMO, ANT Port 2
16-QAM, 20 MHz BW
Low Ch. 2506 MHz



MIMO, ANT Port 2
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

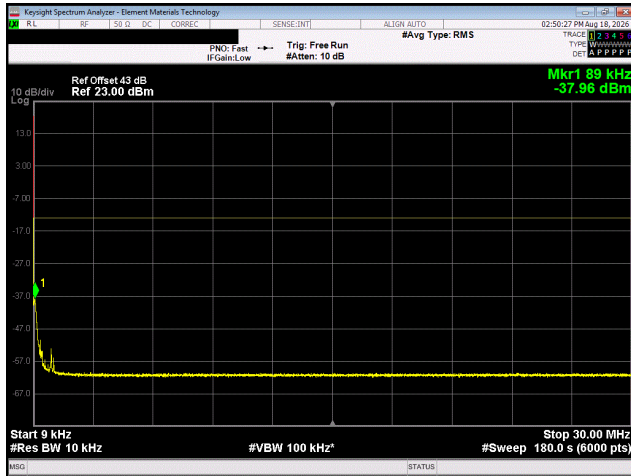


MIMO, ANT Port 2
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

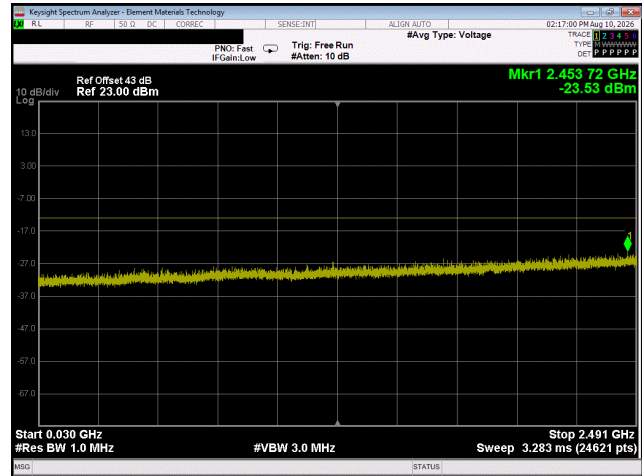


MIMO, ANT Port 2
16-QAM, 20 MHz BW
Low Ch. 2506 MHz

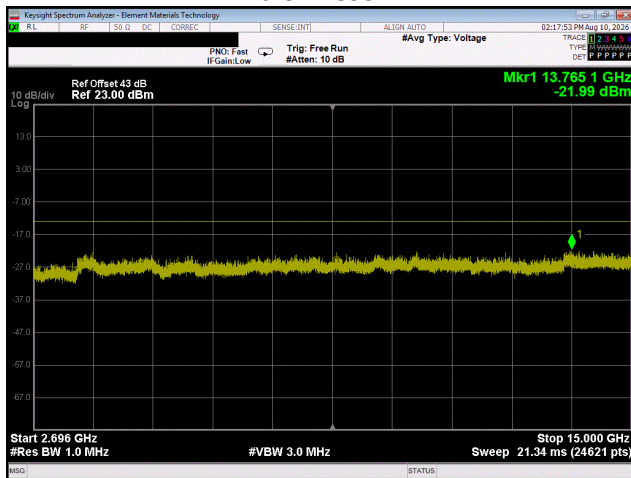
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



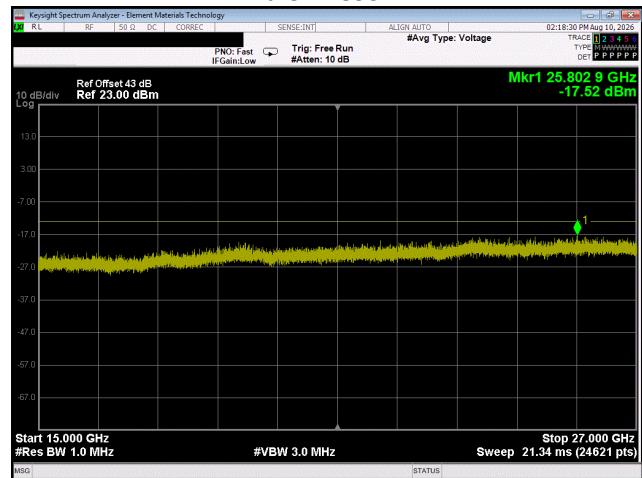
MIMO, ANT Port 2
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 2
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

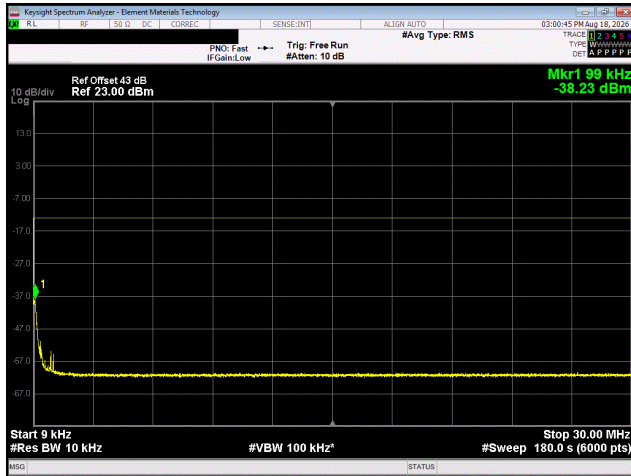


MIMO, ANT Port 2
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

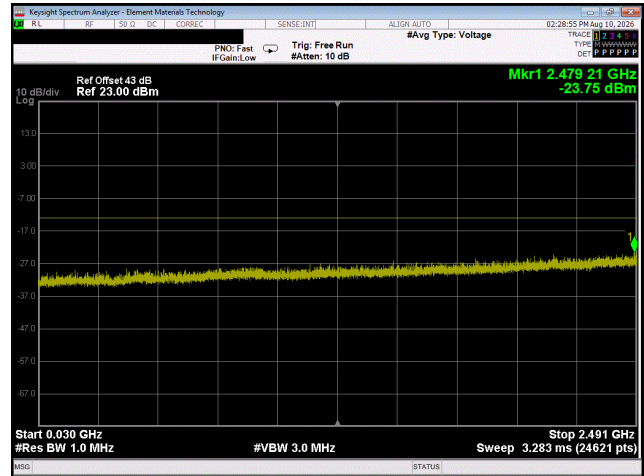


MIMO, ANT Port 2
16-QAM, 20 MHz BW
Mid Ch. 2593 MHz

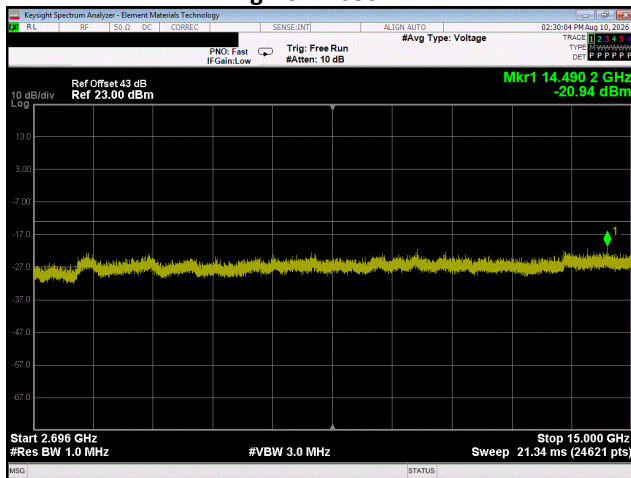
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



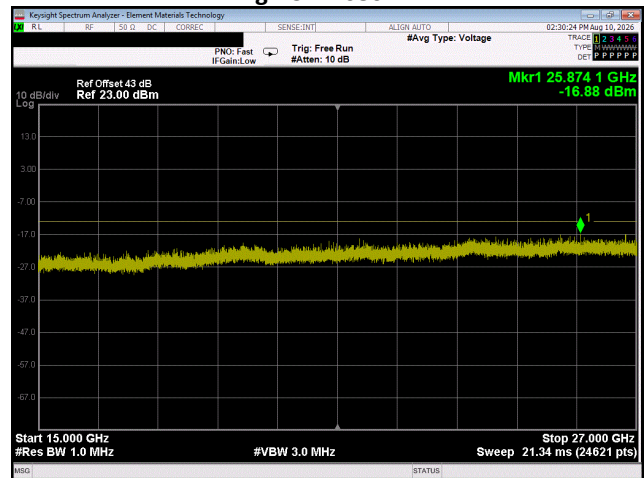
MIMO, ANT Port 2
16-QAM, 20 MHz BW
High Ch. 2680 MHz



MIMO, ANT Port 2
16-QAM, 20 MHz BW
High Ch. 2680 MHz

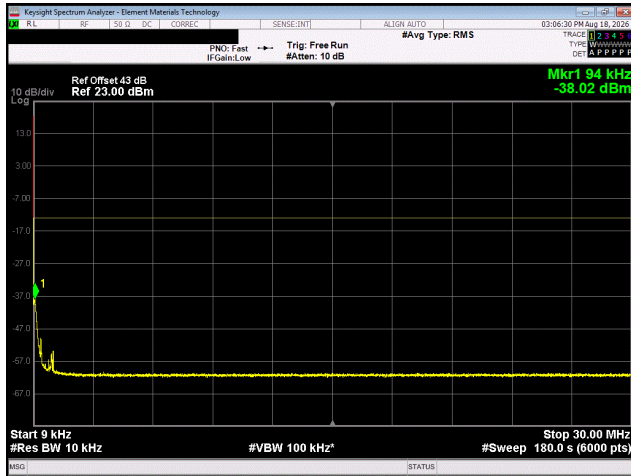


MIMO, ANT Port 2
16-QAM, 20 MHz BW
High Ch. 2680 MHz

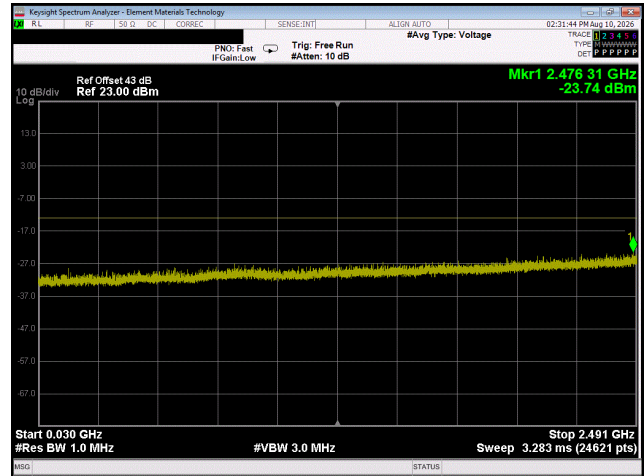


MIMO, ANT Port 2
16-QAM, 20 MHz BW
High Ch. 2680 MHz

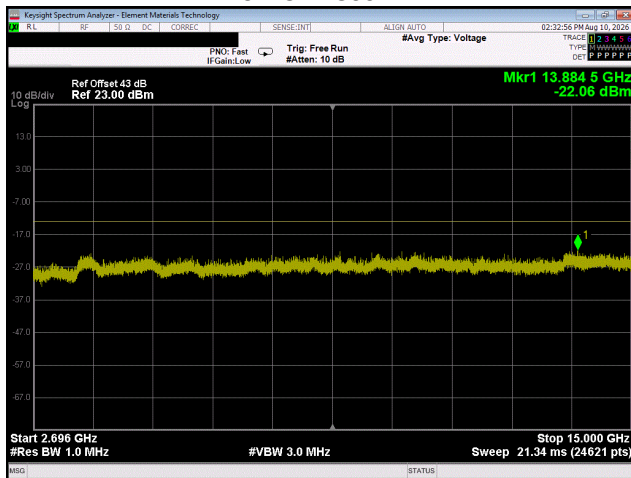
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



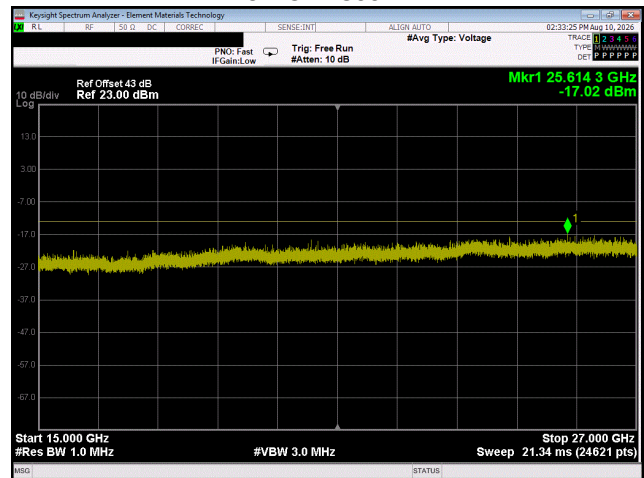
MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

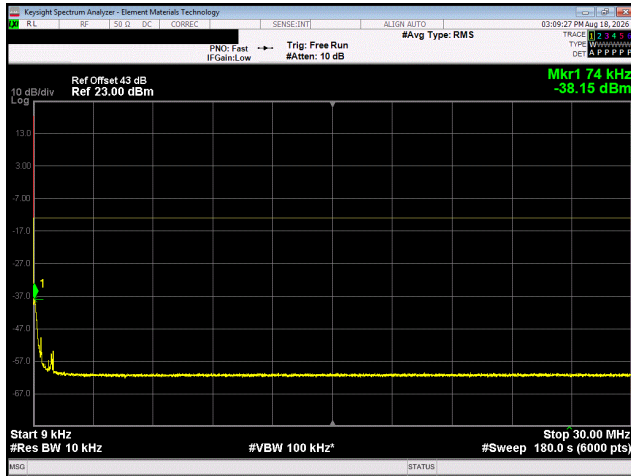


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

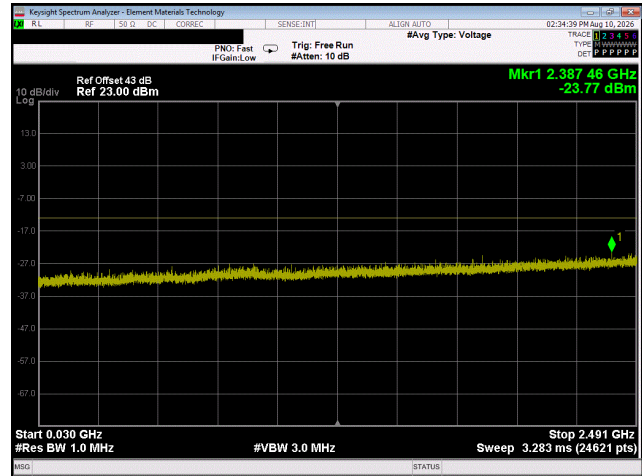


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Low Ch. 2506 MHz

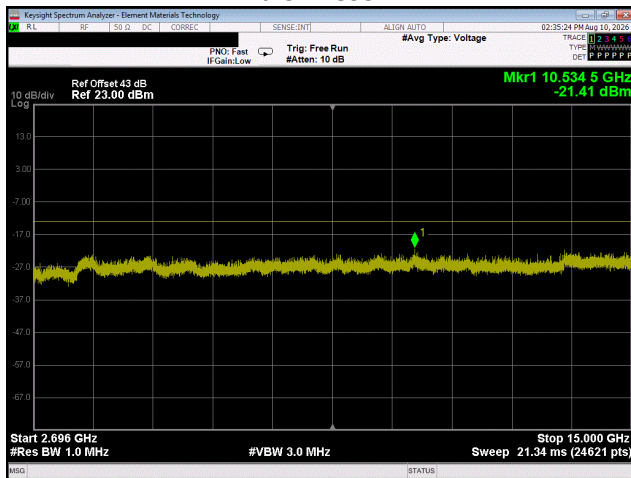
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



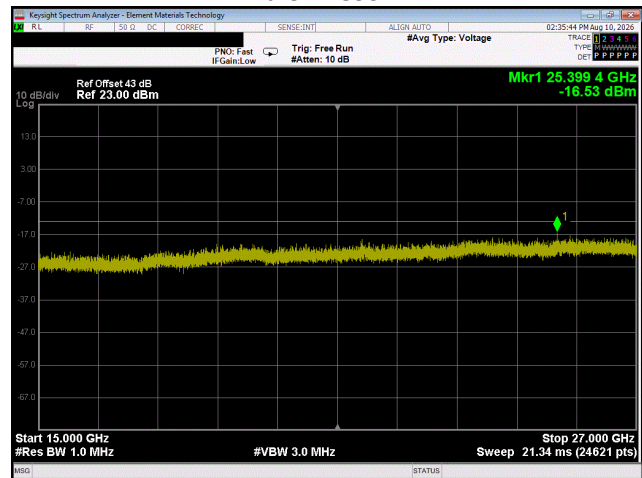
MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

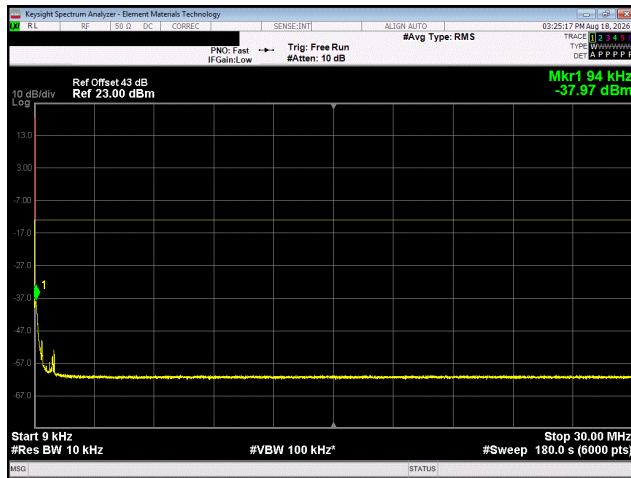


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

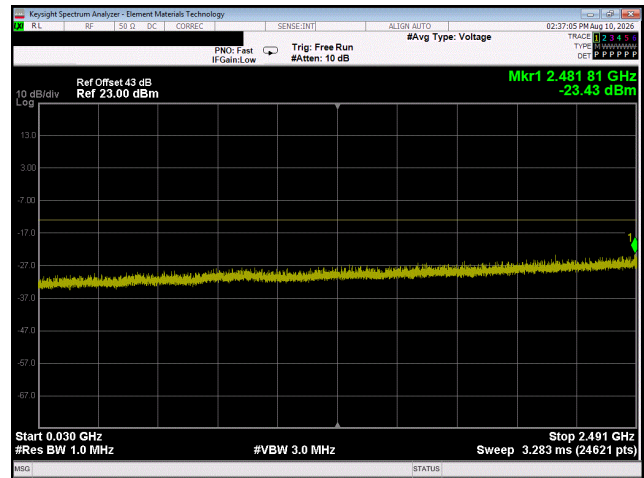


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
Mid Ch. 2593 MHz

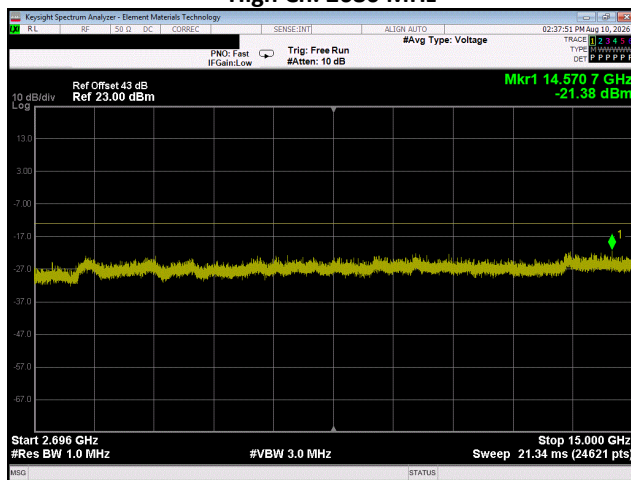
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



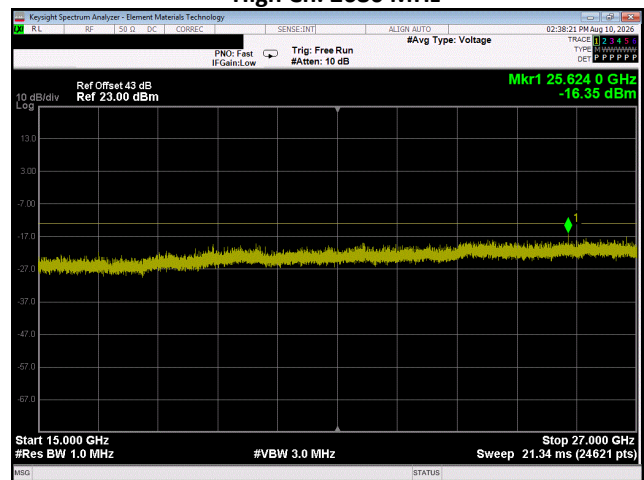
MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

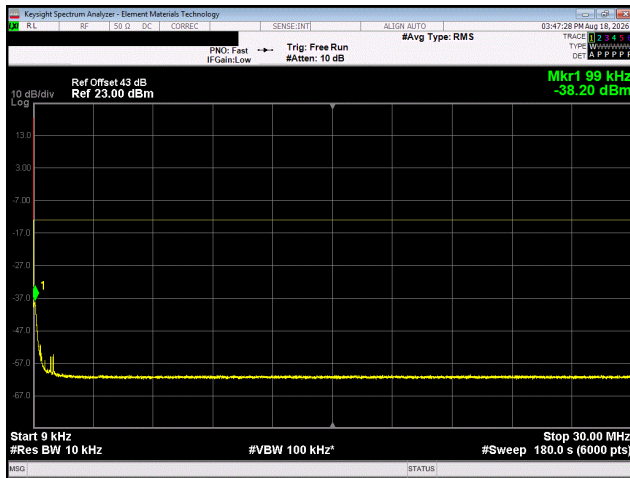


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

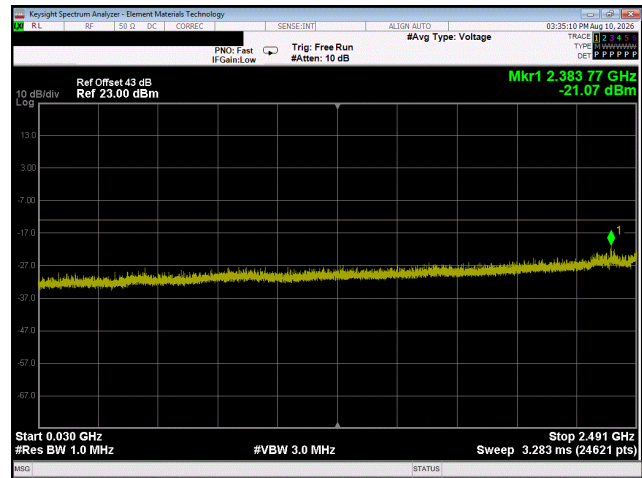


MIMO, ANT Port 2
Single PRB 256-QAM, 20 MHz BW
High Ch. 2680 MHz

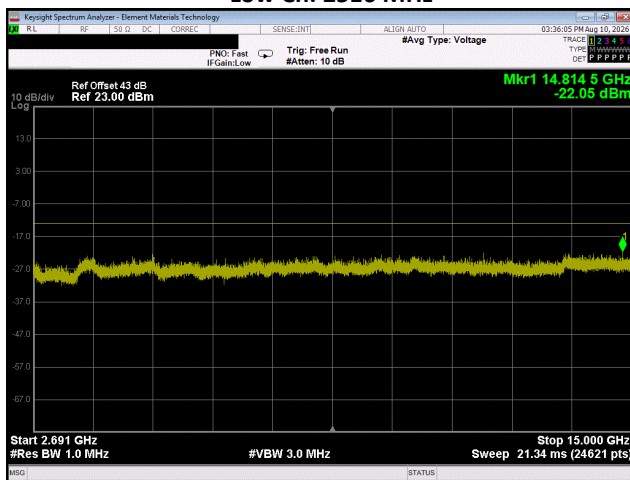
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



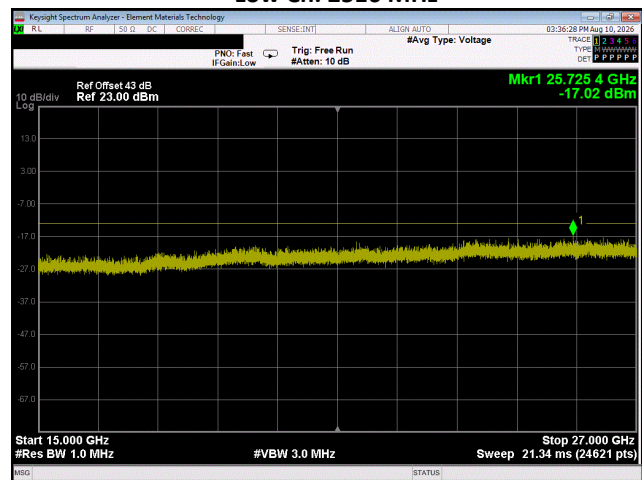
MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz



MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

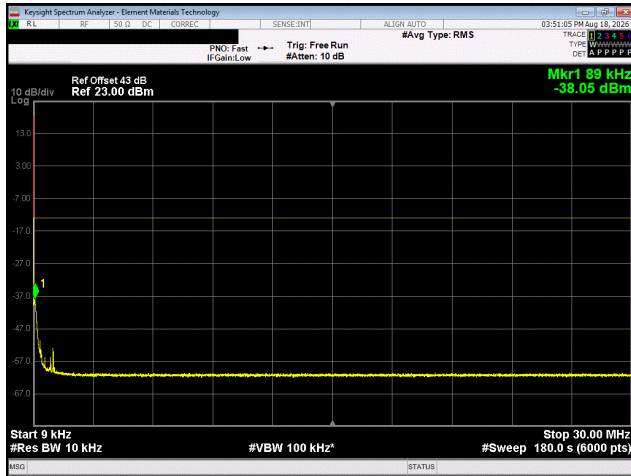


MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

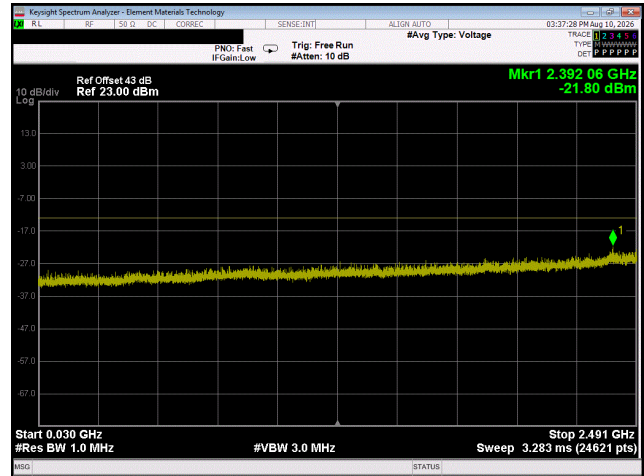


MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Low Ch. 2516 MHz

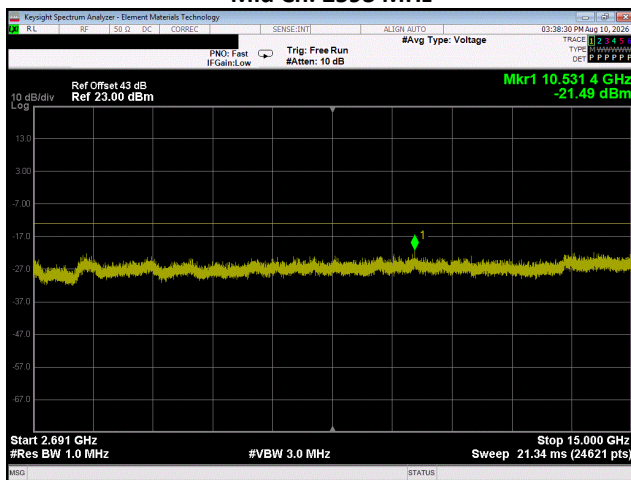
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



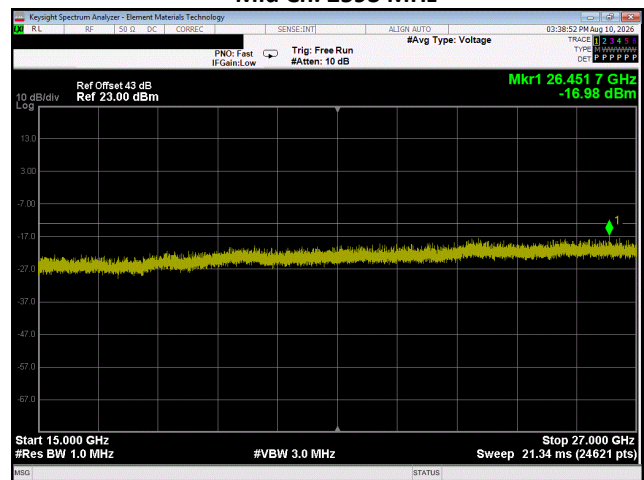
MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz

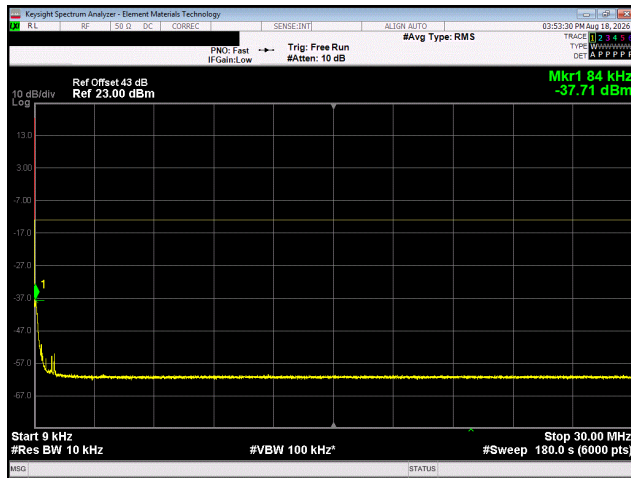


MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz

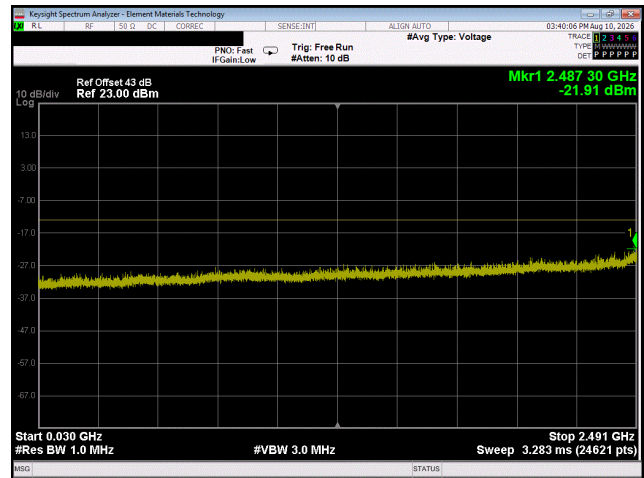


MIMO, ANT Port 2
Boosted RBs QPSK, 40 MHz BW
Mid Ch. 2593 MHz

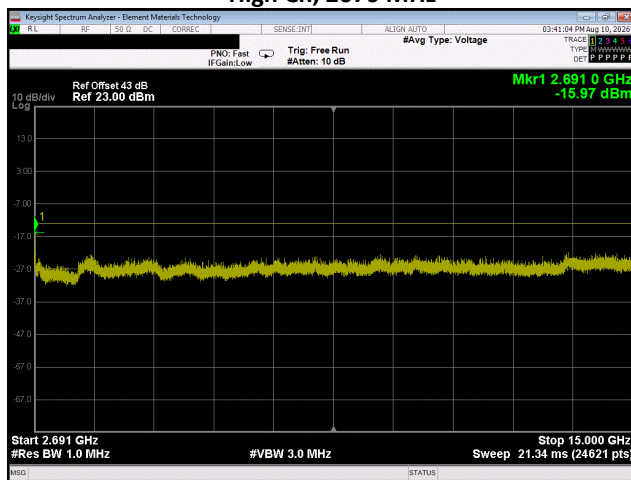
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



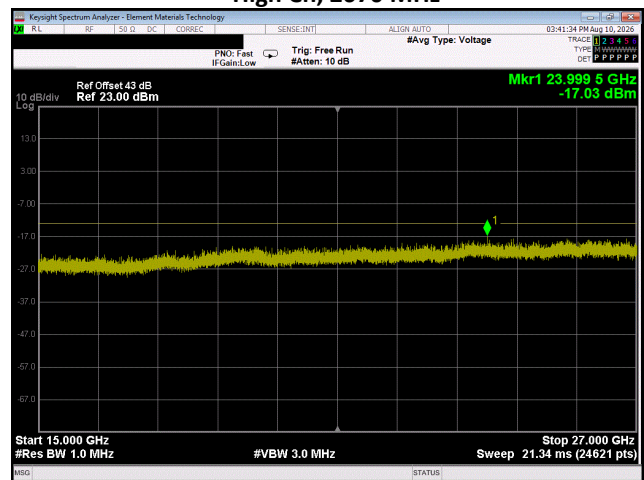
MIMO, ANT Port 2
 Boosted RBs QPSK, 40 MHz BW
 High Ch, 2670 MHz



MIMO, ANT Port 2
 Boosted RBs QPSK, 40 MHz BW
 High Ch, 2670 MHz

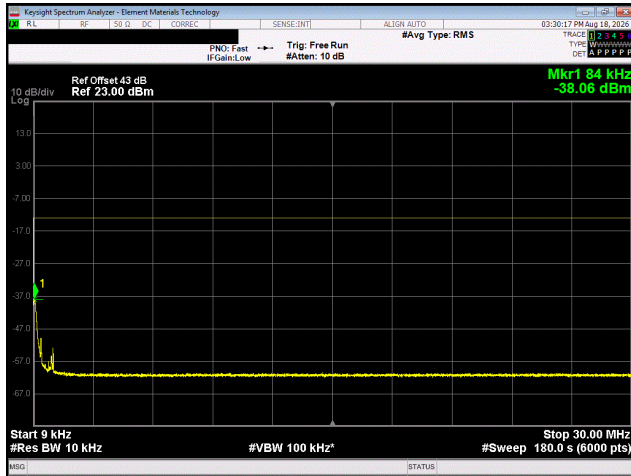


MIMO, ANT Port 2
 Boosted RBs QPSK, 40 MHz BW
 High Ch, 2670 MHz

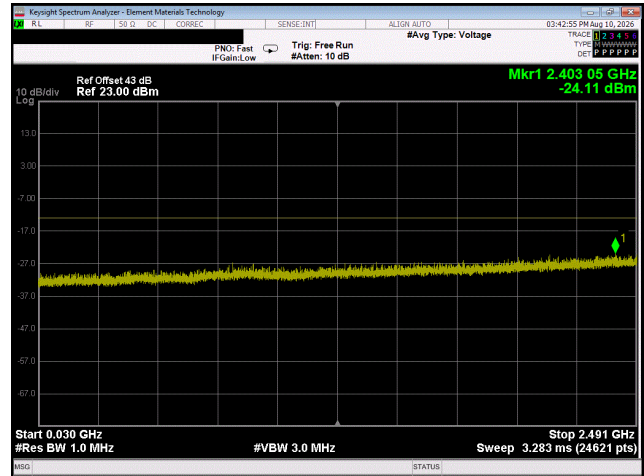


MIMO, ANT Port 2
 Boosted RBs QPSK, 40 MHz BW
 High Ch, 2670 MHz

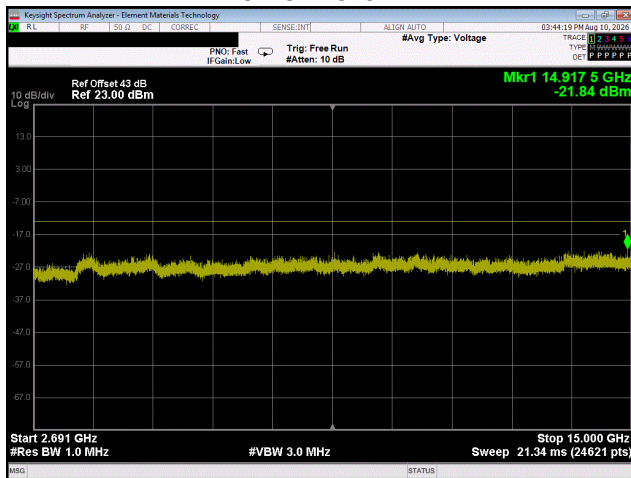
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



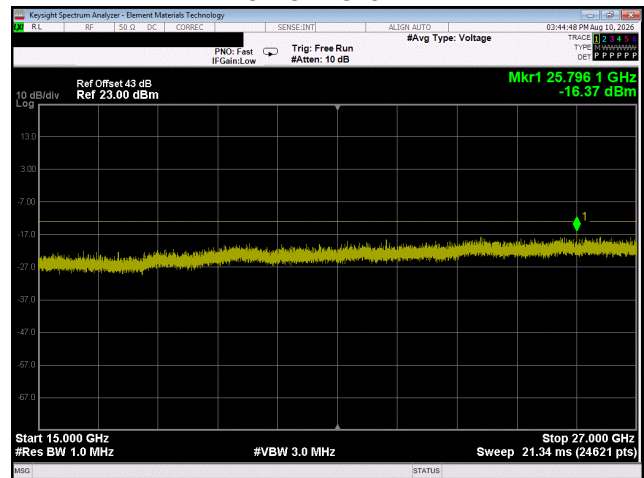
MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

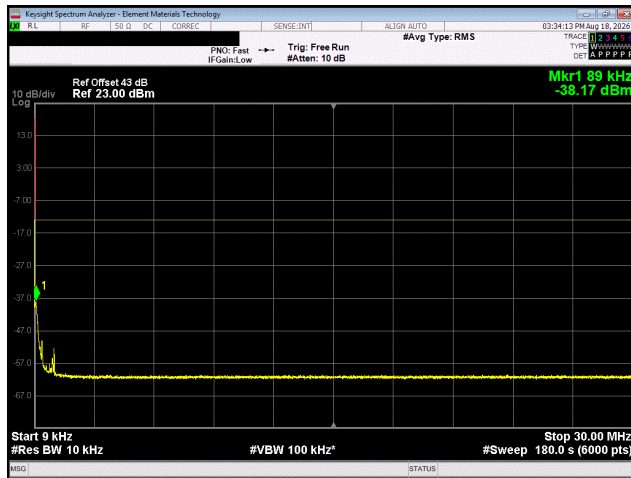


MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

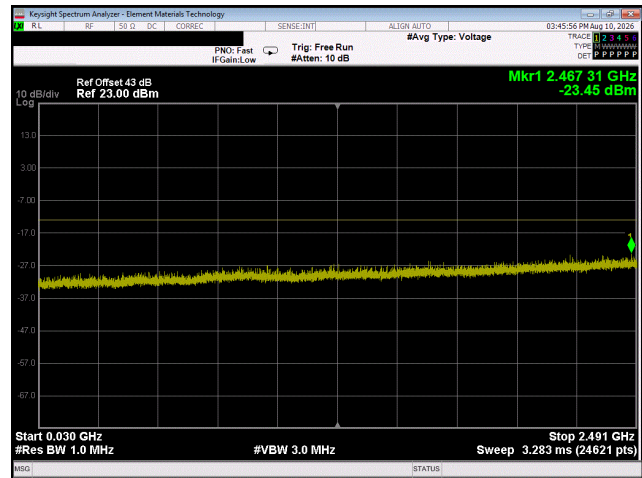


MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Low Ch. 2516 MHz

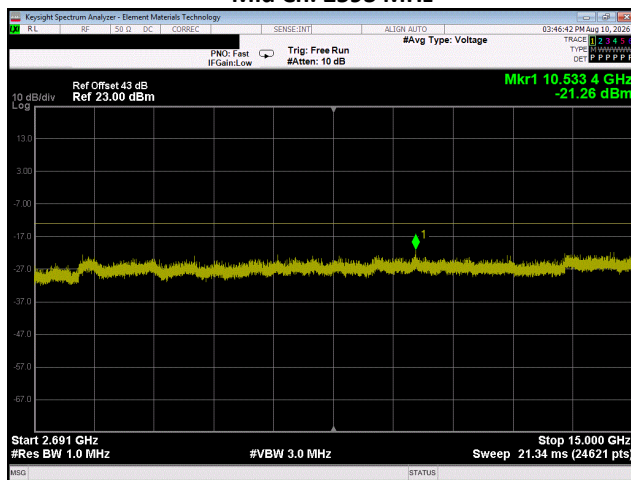
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



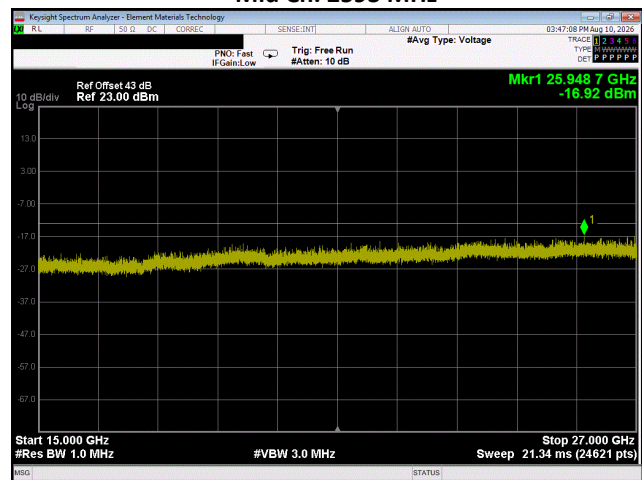
MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

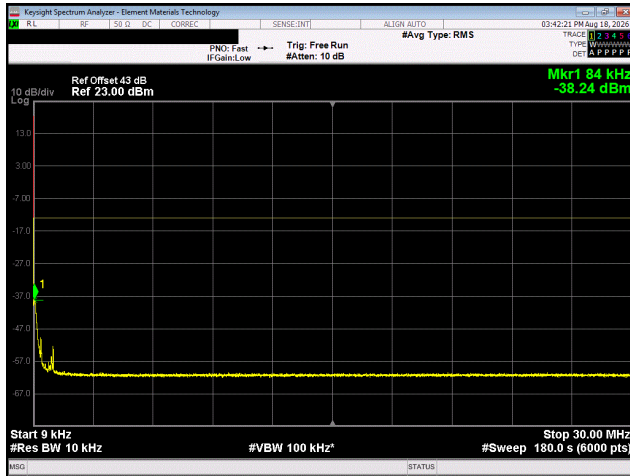


MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

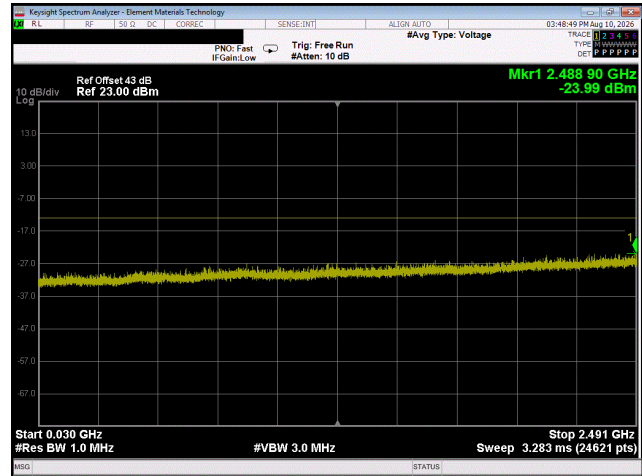


MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
Mid Ch. 2593 MHz

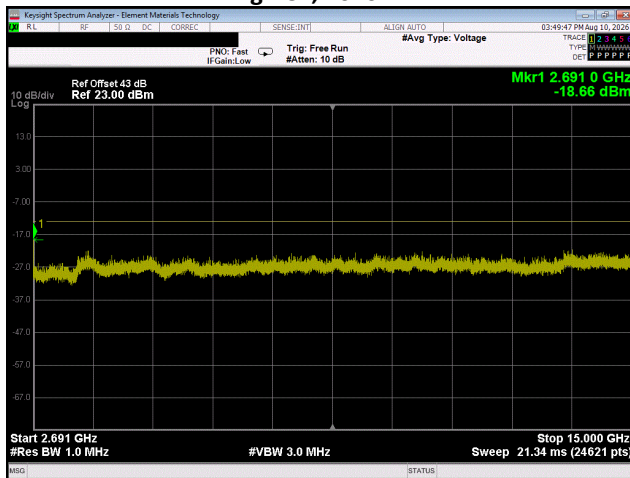
SPURIOUS EMISSIONS AT THE ANTENNA TERMINALS



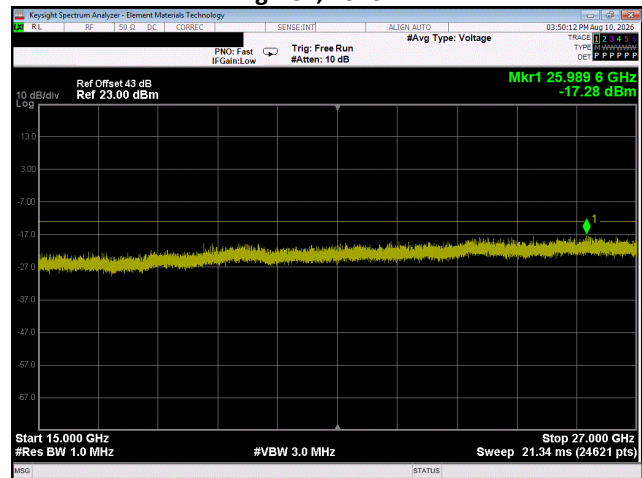
MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz



MIMO, ANT Port 2
Single PRB 256-QAM, 40 MHz BW
High Ch, 2670 MHz