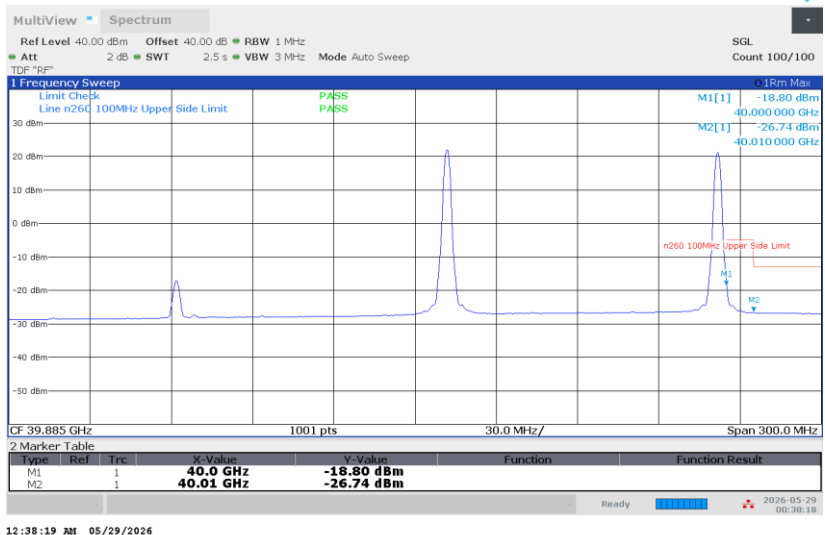
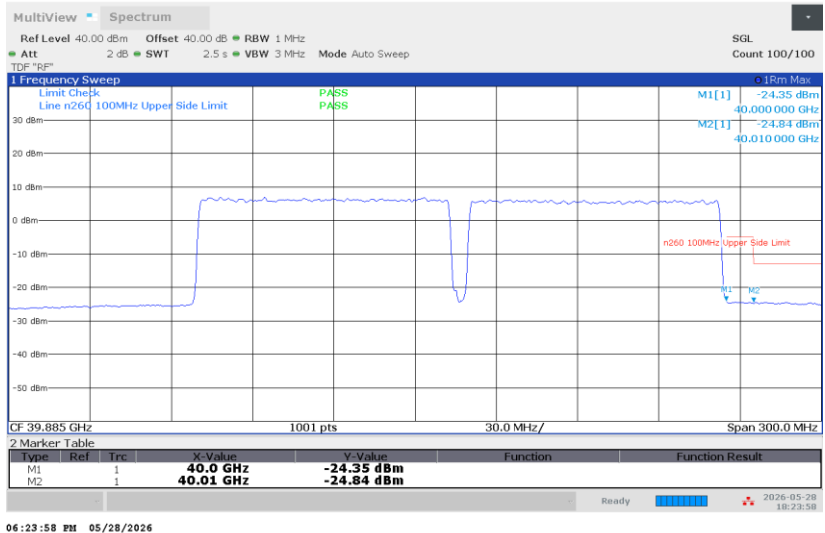


100 MHz, SISO-DUAL, 2CC, QPSK

High-side, Single RB



High-side, Full RB



100 MHz, SISO-DUAL, 2CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-16.23	-5.00	-11.23
			36.99	-29.47	-13.00	-16.47
	L	64/0	37.00	-22.49	-5.00	-17.49
			36.99	-23.94	-13.00	-10.94
	H	1/65	40.00	-18.80	-5.00	-13.80
			40.01	-26.74	-13.00	-13.74
	H	64/2	40.00	-24.35	-5.00	-19.35
			40.01	-24.84	-13.00	-11.84

100 MHz, SISO-DUAL, 2CC, Pi/2 BPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-15.05	-5.00	-10.05
			36.99	-29.42	-13.00	-16.42
	L	64/0	37.00	-23.14	-5.00	-18.14
			36.99	-24.64	-13.00	-11.64
	H	1/65	40.00	-19.44	-5.00	-14.44
			40.01	-26.68	-13.00	-13.68
	H	64/2	40.00	-24.63	-5.00	-19.63
			40.01	-25.57	-13.00	-12.57

100 MHz, SISO-DUAL, 2CC, 16QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-16.41	-5.00	-11.41
			36.99	-29.35	-13.00	-16.35
	L	64/0	37.00	-24.68	-5.00	-19.68
			36.99	-25.50	-13.00	-12.50
	H	1/65	40.00	-18.40	-5.00	-13.40
			40.01	-26.77	-13.00	-13.77
	H	64/2	40.00	-25.27	-5.00	-20.27
			40.01	-25.87	-13.00	-12.87

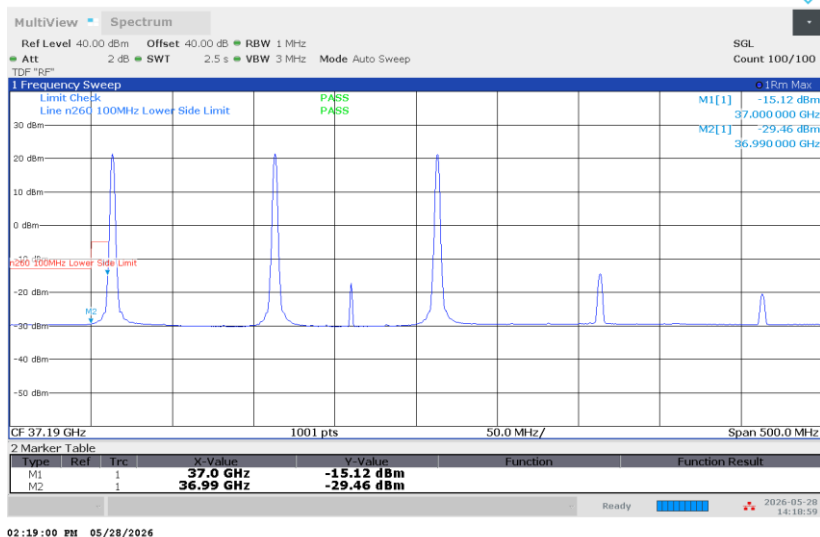
100 MHz, SISO-DUAL, 2CC, 64QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-18.86	-5.00	-13.86
			36.99	-29.59	-13.00	-16.59
	L	64/0	37.00	-27.54	-5.00	-22.54
			36.99	-28.50	-13.00	-15.50
	H	1/65	40.00	-20.57	-5.00	-15.57
			40.01	-26.77	-13.00	-13.77
	H	64/2	40.00	-26.35	-5.00	-21.35
			40.01	-26.65	-13.00	-13.65

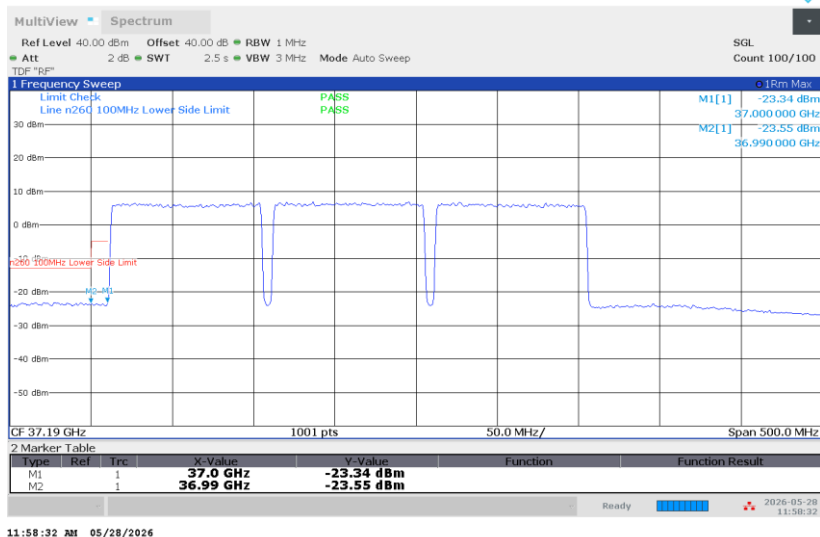
8.4.47. BAND EDGE n260 SISO-DUAL 3CC STATE B

100 MHz, SISO-DUAL, 3CC, QPSK

Low-side, Single RB

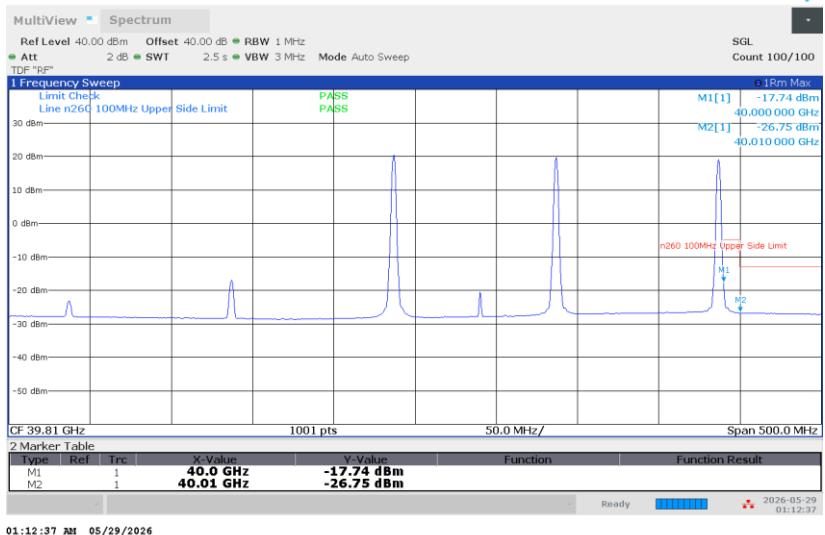


Low-side, Full RB

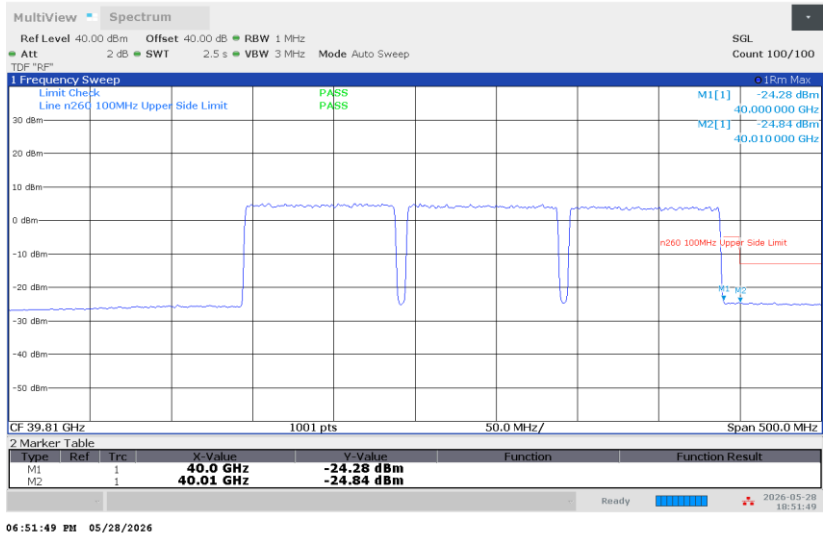


100 MHz, SISO-DUAL, 3CC, QPSK

High-side, Single RB



High-side, Full RB



100 MHz, SISO-DUAL, 3CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-15.12	-5.00	-10.12
			36.99	-29.46	-13.00	-16.46
	L	64/0	37.00	-23.34	-5.00	-18.34
			36.99	-23.55	-13.00	-10.55
	H	1/65	40.00	-17.74	-5.00	-12.74
			40.01	-26.75	-13.00	-13.75
	H	64/2	40.00	-24.28	-5.00	-19.28
			40.01	-24.84	-13.00	-11.84

100 MHz, SISO-DUAL, 3CC, Pi/2 BPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-14.38	-5.00	-9.38
			36.99	-29.54	-13.00	-16.54
	L	64/0	37.00	-23.52	-5.00	-18.52
			36.99	-23.83	-13.00	-10.83
	H	1/65	40.00	-18.60	-5.00	-13.60
			40.01	-26.77	-13.00	-13.77
	H	64/2	40.00	-24.56	-5.00	-19.56
			40.01	-25.14	-13.00	-12.14

100 MHz, SISO-DUAL, 3CC, 16QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-15.31	-5.00	-10.31
			36.99	-29.39	-13.00	-16.39
	L	64/0	37.00	-25.35	-5.00	-20.35
			36.99	-25.56	-13.00	-12.56
	H	1/65	40.00	-17.54	-5.00	-12.54
			40.01	-26.76	-13.00	-13.76
	H	64/2	40.00	-25.48	-5.00	-20.48
			40.01	-25.91	-13.00	-12.91

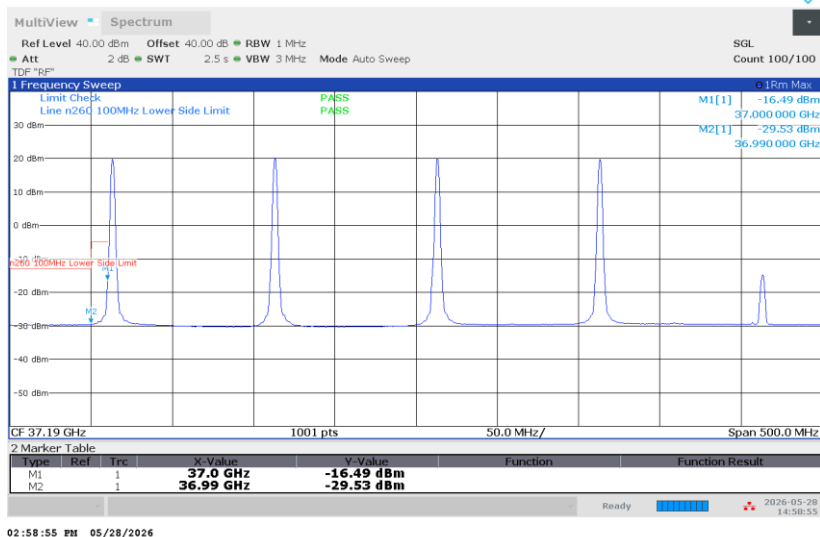
100 MHz, SISO-DUAL, 3CC, 64QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-17.66	-5.00	-12.66
			36.99	-29.58	-13.00	-16.58
	L	64/0	37.00	-27.61	-5.00	-22.61
			36.99	-28.56	-13.00	-15.56
	H	1/65	40.00	-19.87	-5.00	-14.87
			40.01	-26.80	-13.00	-13.80
	H	64/2	40.00	-26.38	-5.00	-21.38
			40.01	-26.70	-13.00	-13.70

8.4.48. BAND EDGE n260 SISO-DUAL 4CC STATE B

100 MHz, SISO-DUAL, 4CC, QPSK

Low-side, Single RB

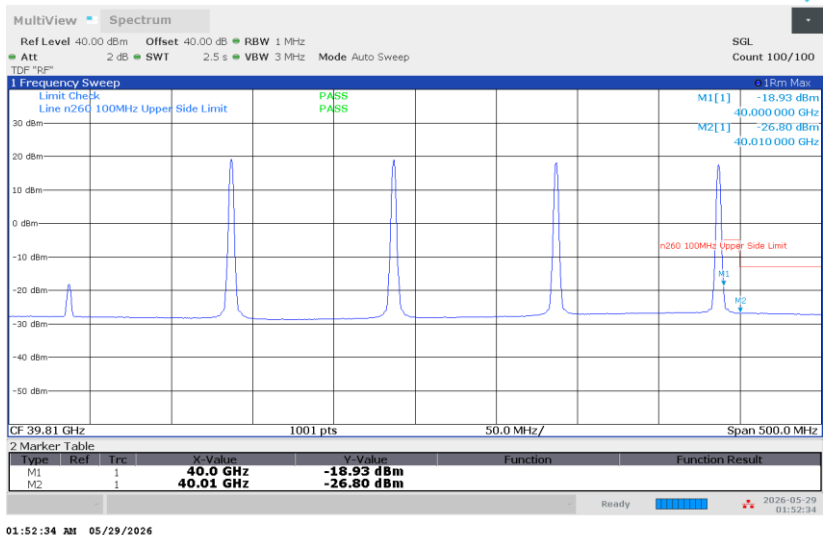


Low-side, Full RB

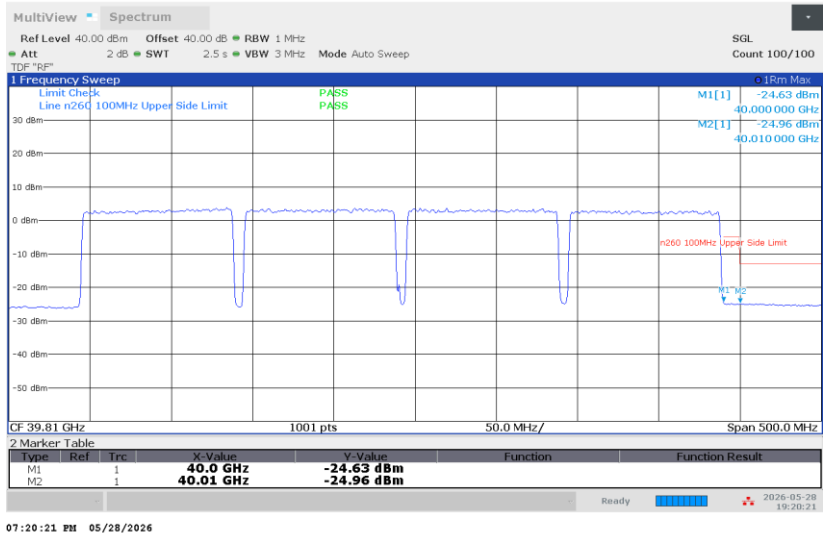


100 MHz, SISO-DUAL, 4CC, QPSK

High-side, Single RB



High-side, Full RB



100 MHz, SISO-DUAL, 4CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-16.49	-5.00	-11.49
			36.99	-29.53	-13.00	-16.53
	L	64/0	37.00	-24.04	-5.00	-19.04
			36.99	-24.55	-13.00	-11.55
	H	1/65	40.00	-18.93	-5.00	-13.93
			40.01	-26.80	-13.00	-13.80
	H	64/2	40.00	-24.63	-5.00	-19.63
			40.01	-24.96	-13.00	-11.96

100 MHz, SISO-DUAL, 4CC, Pi/2 BPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-15.62	-5.00	-10.62
			36.99	-29.56	-13.00	-16.56
	L	64/0	37.00	-24.33	-5.00	-19.33
			36.99	-24.95	-13.00	-11.95
	H	1/65	40.00	-19.75	-5.00	-14.75
			40.01	-26.87	-13.00	-13.87
	H	64/2	40.00	-24.79	-5.00	-19.79
			40.01	-25.28	-13.00	-12.28

100 MHz, SISO-DUAL, 4CC, 16QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-16.30	-5.00	-11.30
			36.99	-29.47	-13.00	-16.47
	L	64/0	37.00	-25.95	-5.00	-20.95
			36.99	-26.70	-13.00	-13.70
	H	1/65	40.00	-18.73	-5.00	-13.73
			40.01	-26.80	-13.00	-13.80
	H	64/2	40.00	-25.64	-5.00	-20.64
			40.01	-25.97	-13.00	-12.97

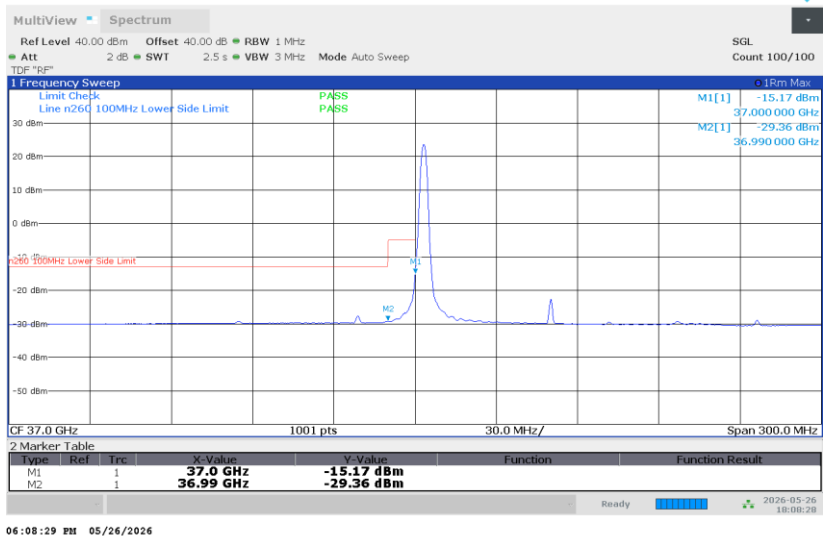
100 MHz, SISO-DUAL, 4CC, 64QAM

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-18.61	-5.00	-13.61
			36.99	-29.70	-13.00	-16.70
	L	64/0	37.00	-28.07	-5.00	-23.07
			36.99	-29.01	-13.00	-16.01
	H	1/65	40.00	-20.86	-5.00	-15.86
			40.01	-26.89	-13.00	-13.89
	H	64/2	40.00	-26.52	-5.00	-21.52
			40.01	-26.76	-13.00	-13.76

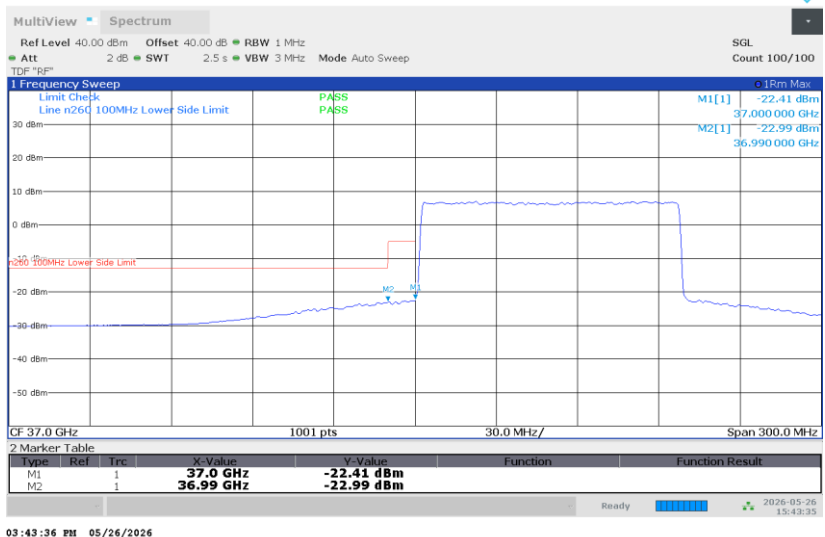
8.4.49. BAND EDGE n260 MIMO 1CC STATE A

100 MHz, MIMO, 1CC, QPSK

Low-side, Single RB

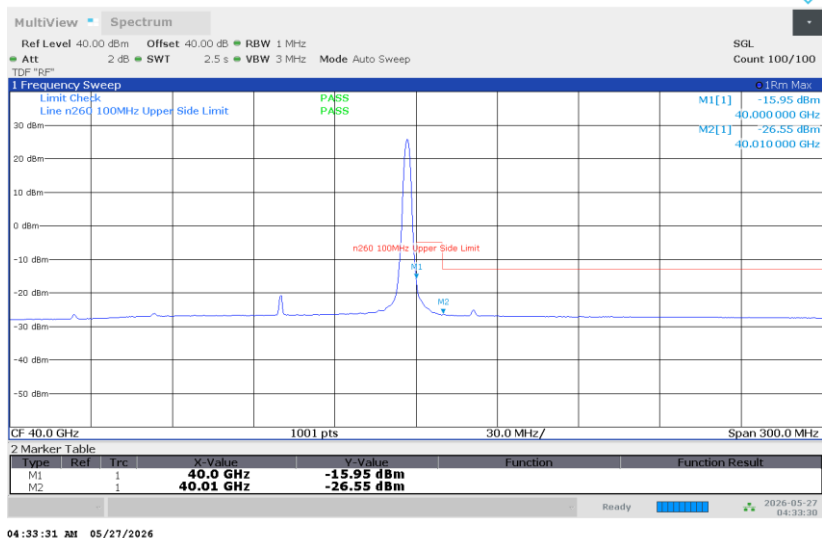


Low-side, Full RB

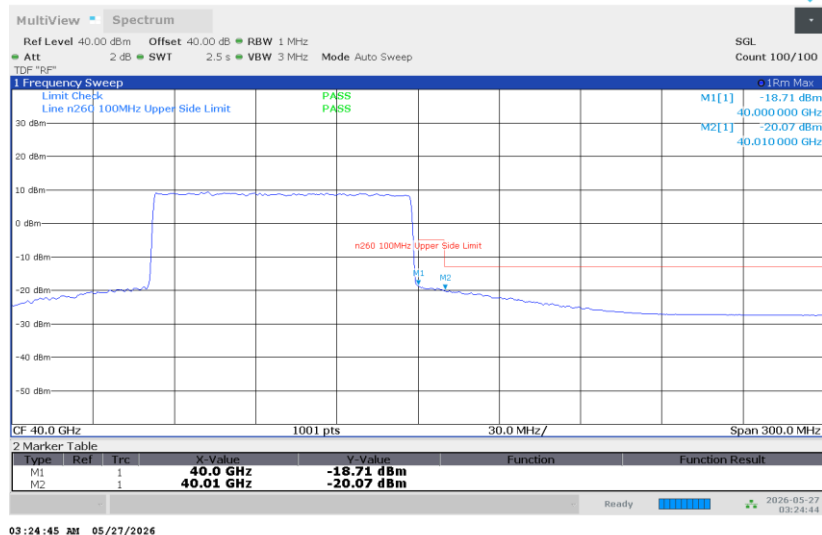


100 MHz, MIMO, 1CC, QPSK

High-side, Single RB



High-side, Full RB

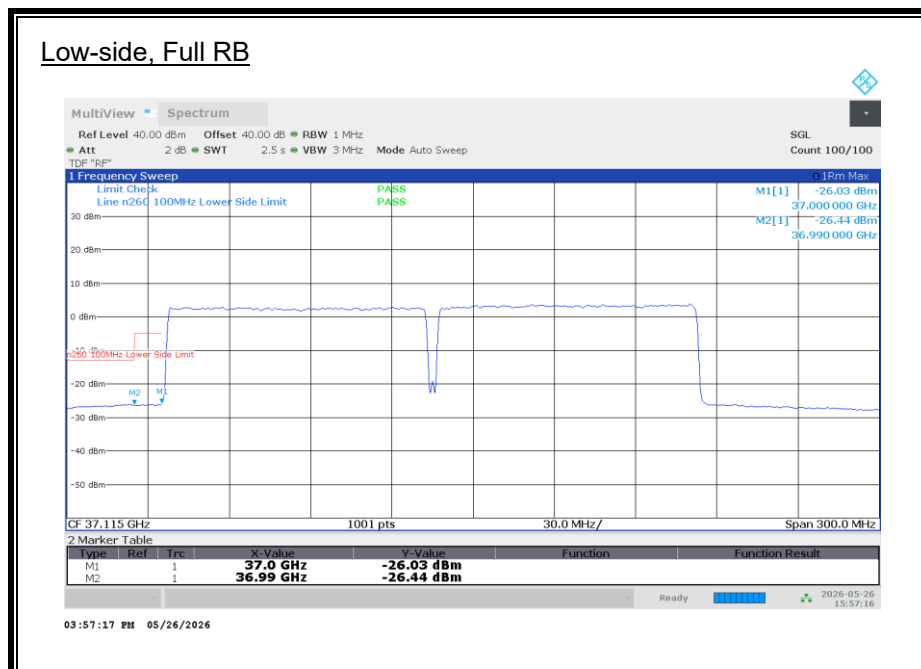


100 MHz, MIMO, 1CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-15.17	-5.00	-10.17
			36.99	-29.36	-13.00	-16.36
	L	66/0	37.00	-22.41	-5.00	-17.41
			36.99	-22.99	-13.00	-9.99
	H	1/65	40.00	-15.95	-5.00	-10.95
			40.01	-26.55	-13.00	-13.55
	H	66/0	40.00	-18.71	-5.00	-13.71
			40.01	-20.07	-13.00	-7.07

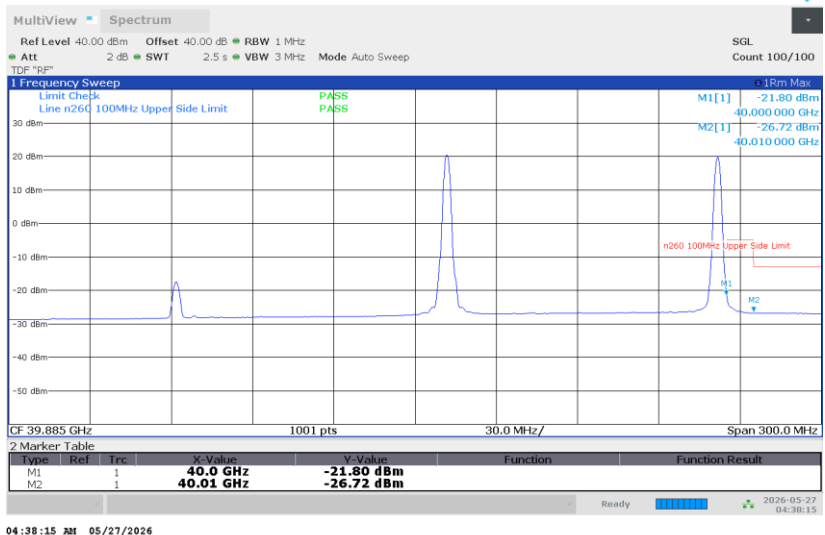
8.4.50. BAND EDGE n260 MIMO 2CC STATE A

100 MHz, MIMO, 2CC, QPSK



100 MHz, MIMO, 2CC, QPSK

High-side, Single RB



High-side, Full RB



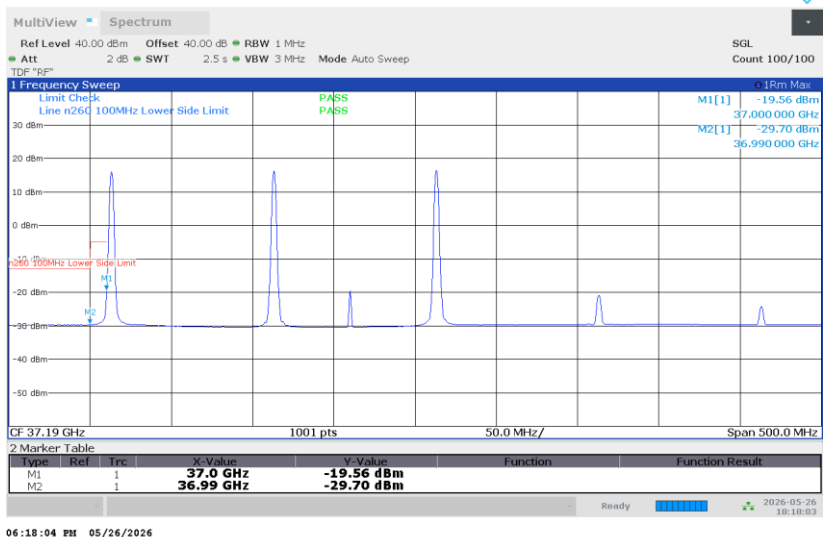
100 MHz, MIMO, 2CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-21.09	-5.00	-16.09
			36.99	-29.71	-13.00	-16.71
	L	66/0	37.00	-26.03	-5.00	-21.03
			36.99	-26.44	-13.00	-13.44
	H	1/65	40.00	-21.80	-5.00	-16.80
			40.01	-26.72	-13.00	-13.72
	H	66/0	40.00	-23.24	-5.00	-18.24
			40.01	-23.76	-13.00	-10.76

8.4.51. BAND EDGE n260 MIMO 3CC STATE A

100 MHz, MIMO, 3CC, QPSK

Low-side, Single RB

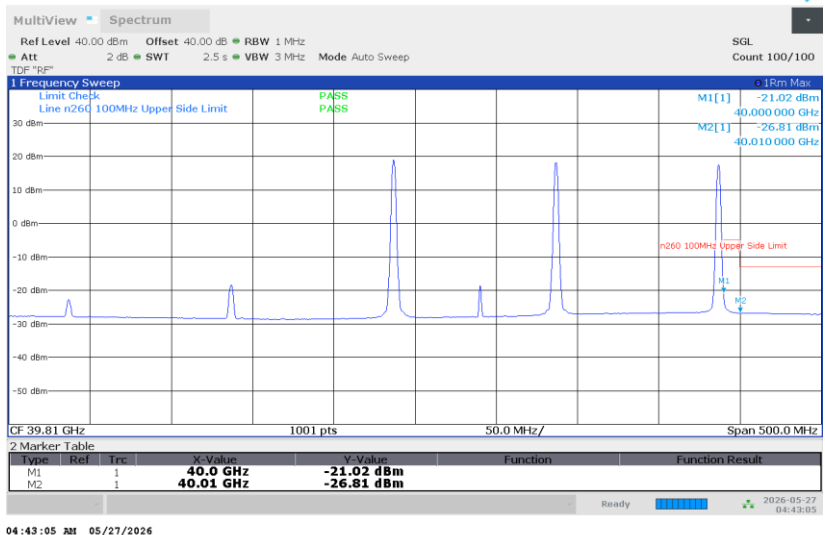


Low-side, Full RB

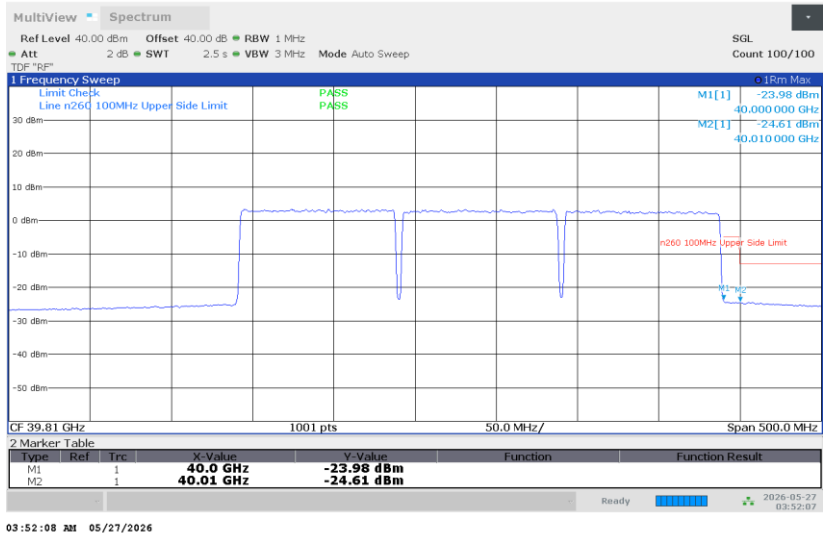


100 MHz, MIMO, 3CC, QPSK

High-side, Single RB



High-side, Full RB



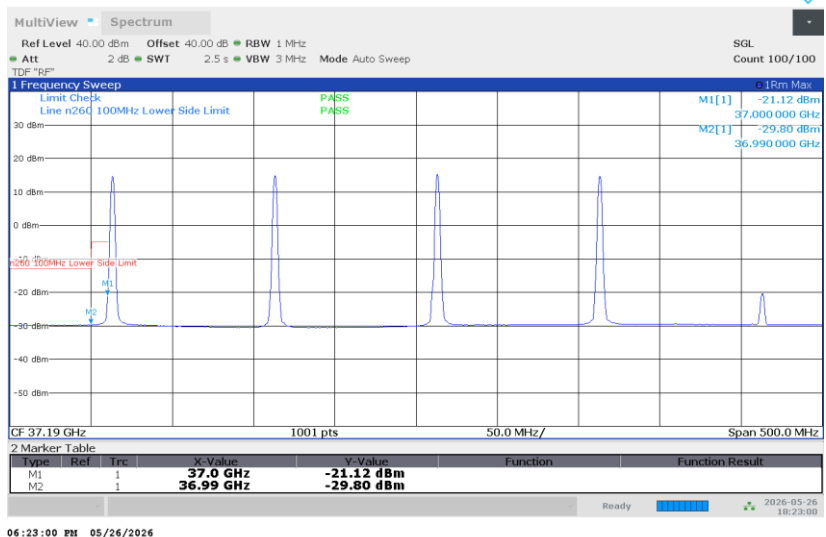
100 MHz, MIMO, 3CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-19.56	-5.00	-14.56
			36.99	-29.70	-13.00	-16.70
	L	66/0	37.00	-26.36	-5.00	-21.36
			36.99	-27.40	-13.00	-14.40
	H	1/65	40.00	-21.02	-5.00	-16.02
			40.01	-26.81	-13.00	-13.81
	H	66/0	40.00	-23.98	-5.00	-18.98
			40.01	-24.61	-13.00	-11.61

8.4.52. BAND EDGE n260 MIMO 4CC STATE A

100 MHz, MIMO, 4CC, QPSK

Low-side, Single RB

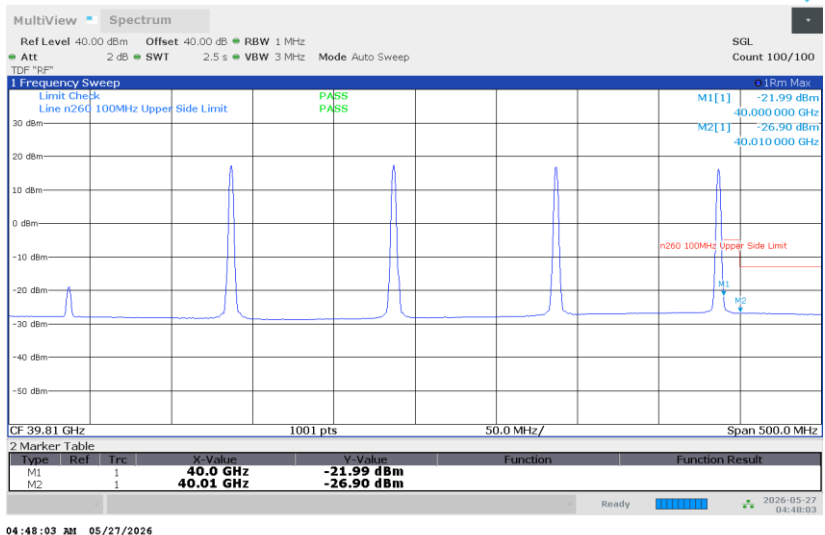


Low-side, Full RB



100 MHz, MIMO, 4CC, QPSK

High-side, Single RB



High-side, Full RB



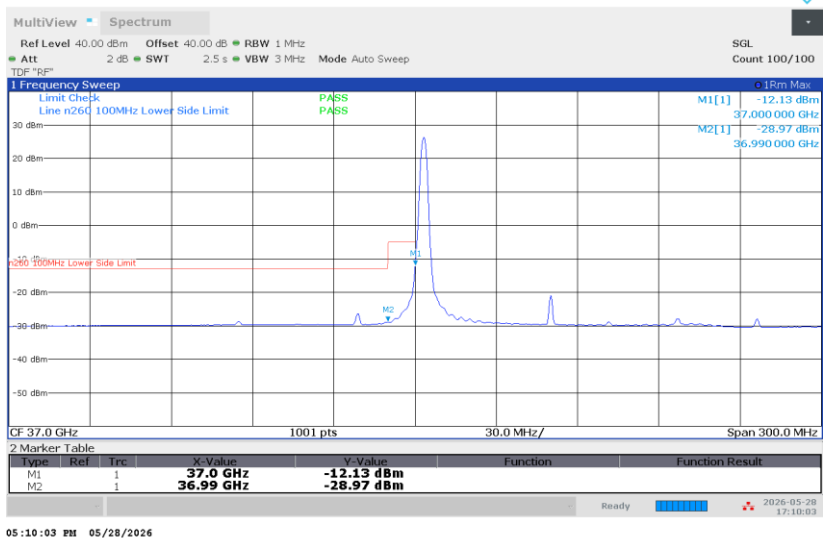
100 MHz, MIMO, 4CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-21.12	-5.00	-16.12
			36.99	-29.80	-13.00	-16.80
	L	66/0	37.00	-27.07	-5.00	-22.07
			36.99	-27.80	-13.00	-14.80
	H	1/65	40.00	-21.99	-5.00	-16.99
			40.01	-26.90	-13.00	-13.90
	H	66/0	40.00	-24.36	-5.00	-19.36
			40.01	-25.05	-13.00	-12.05

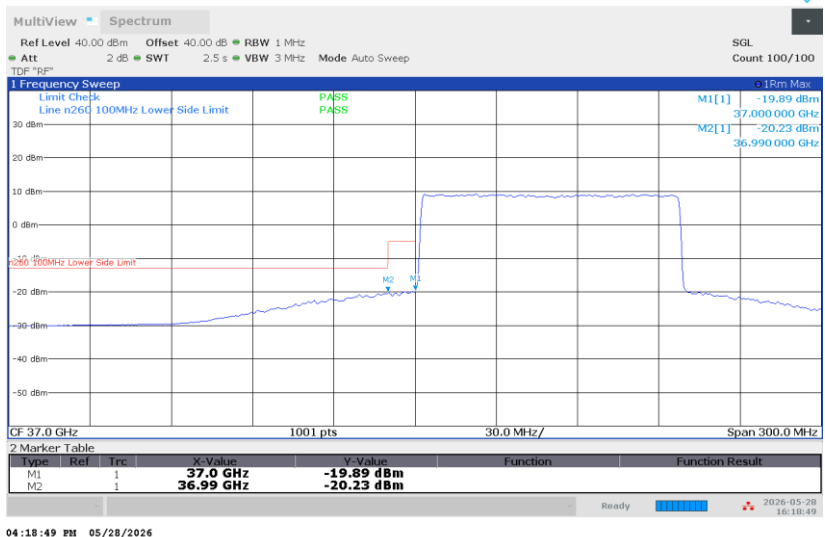
8.4.53. BAND EDGE n260 MIMO 1CC STATE B

100 MHz, MIMO, 1CC, QPSK

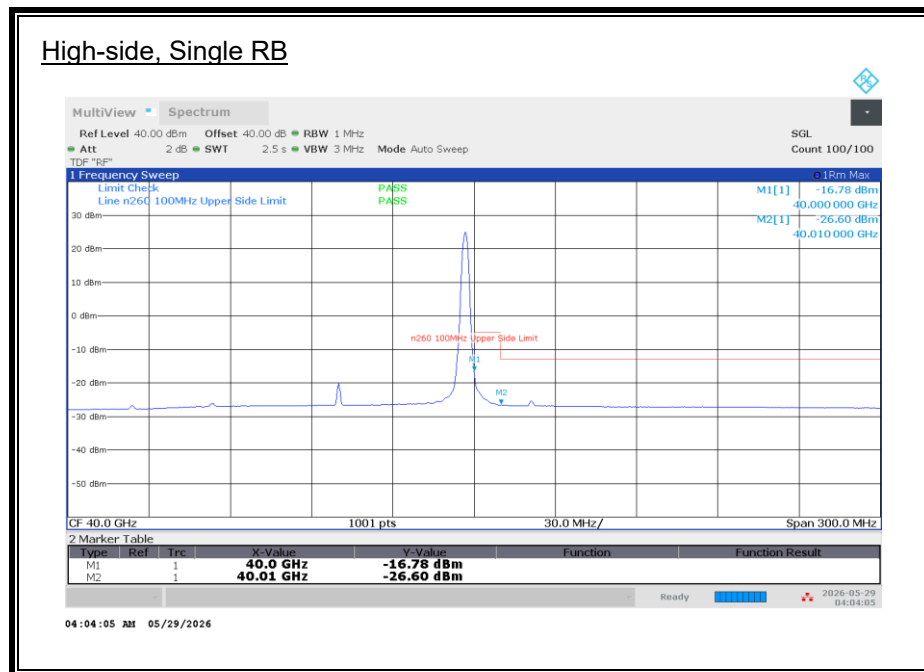
Low-side, Single RB



Low-side, Full RB



100 MHz, MIMO, 1CC, QPSK



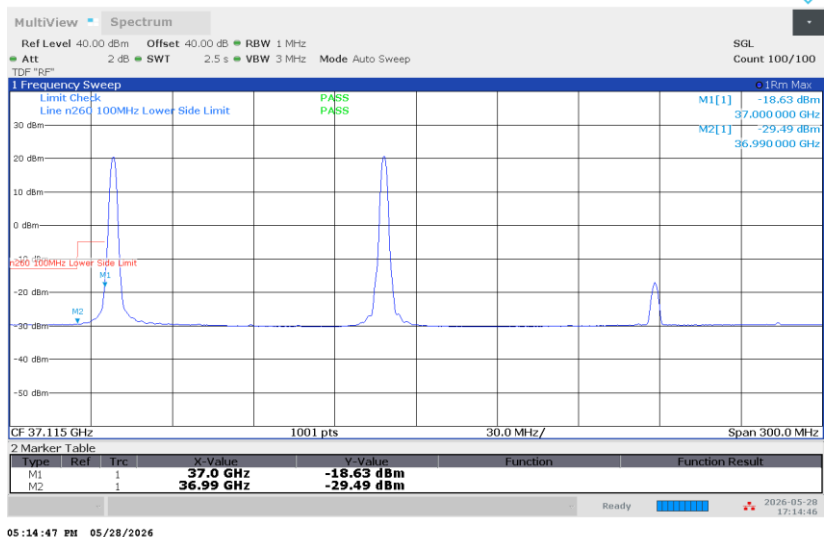
100 MHz, MIMO, 1CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-12.13	-5.00	-7.13
			36.99	-28.97	-13.00	-15.97
	L	66/0	37.00	-19.89	-5.00	-14.89
			36.99	-20.23	-13.00	-7.23
	H	1/65	40.00	-16.78	-5.00	-11.78
			40.01	-26.60	-13.00	-13.60
	H	66/0	40.00	-20.01	-5.00	-15.01
			40.01	-21.27	-13.00	-8.27

8.4.54. BAND EDGE n260 MIMO 2CC STATE B

100 MHz, MIMO, 2CC, QPSK

Low-side, Single RB

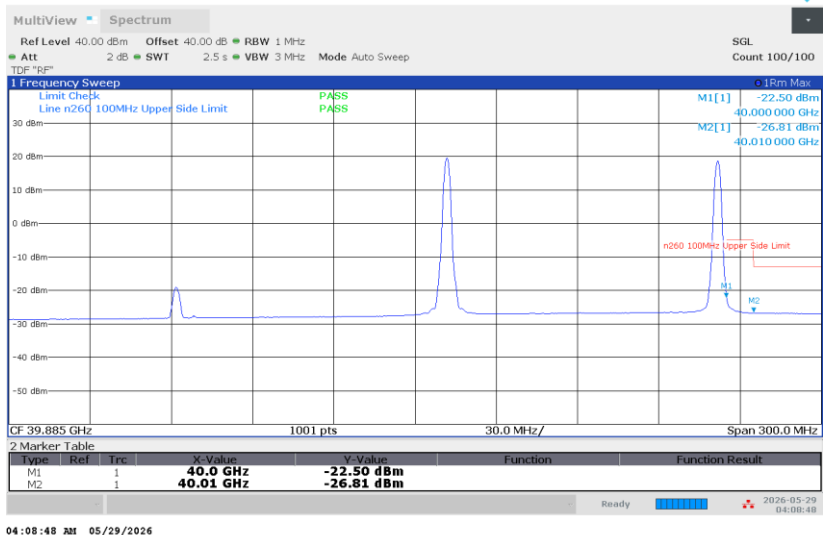


Low-side, Full RB



100 MHz, MIMO, 2CC, QPSK

High-side, Single RB



High-side, Full RB



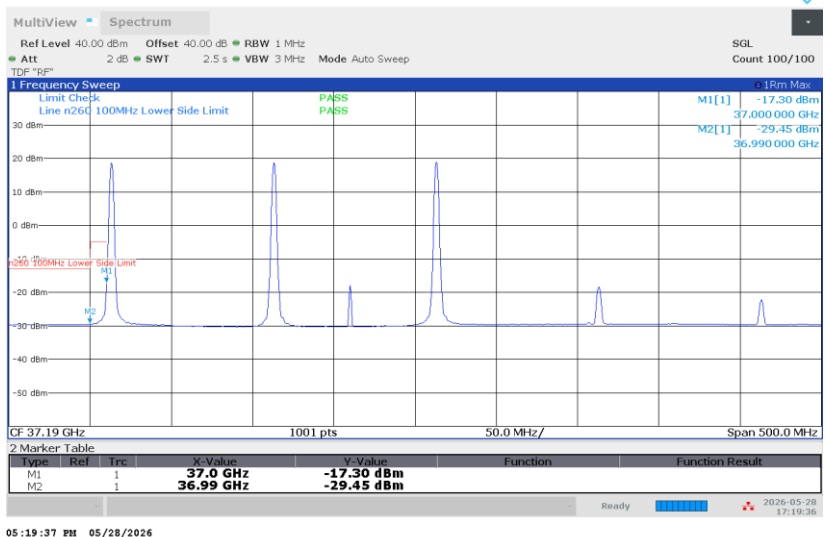
100 MHz, MIMO, 2CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-18.63	-5.00	-13.63
			36.99	-29.49	-13.00	-16.49
	L	66/0	37.00	-24.08	-5.00	-19.08
			36.99	-24.64	-13.00	-11.64
	H	1/65	40.00	-22.50	-5.00	-17.50
			40.01	-26.81	-13.00	-13.81
	H	66/0	40.00	-24.08	-5.00	-19.08
			40.01	-24.55	-13.00	-11.55

8.4.55. BAND EDGE n260 MIMO 3CC STATE B

100 MHz, MIMO, 3CC, QPSK

Low-side, Single RB

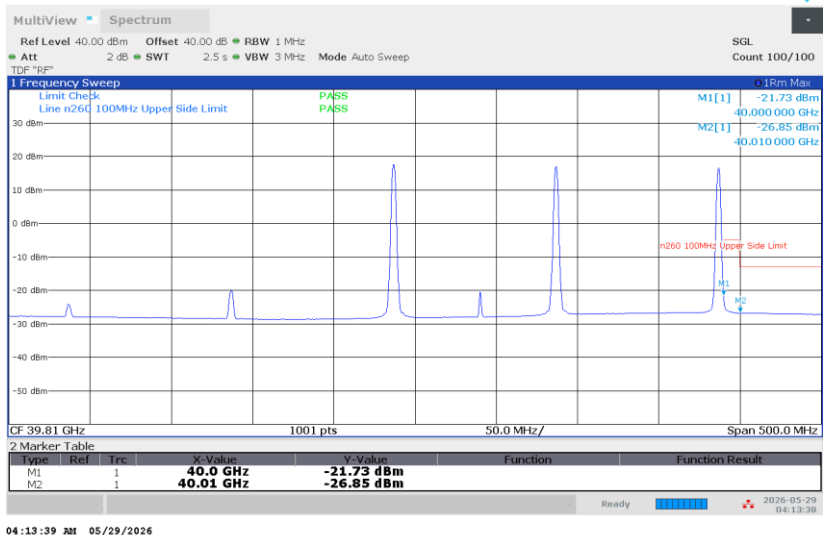


Low-side, Full RB

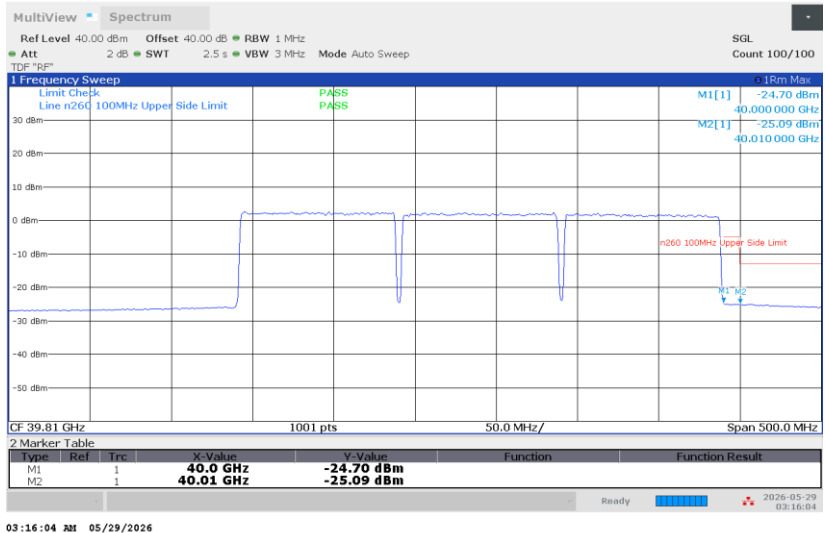


100 MHz, MIMO, 3CC, QPSK

High-side, Single RB



High-side, Full RB



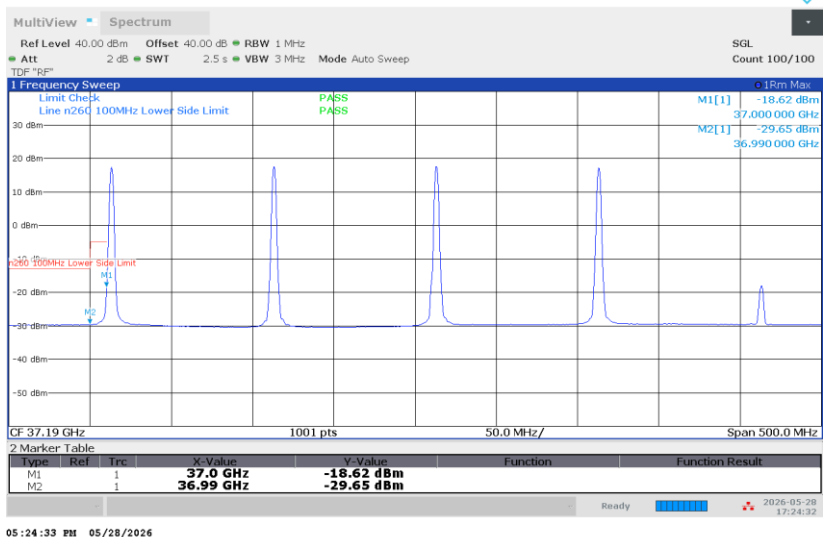
100 MHz, MIMO, 3CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-17.30	-5.00	-12.30
			36.99	-29.45	-13.00	-16.45
	L	66/0	37.00	-24.48	-5.00	-19.48
			36.99	-25.76	-13.00	-12.76
	H	1/65	40.00	-21.73	-5.00	-16.73
			40.01	-26.85	-13.00	-13.85
	H	66/0	40.00	-24.70	-5.00	-19.70
			40.01	-25.09	-13.00	-12.09

8.4.56. BAND EDGE n260 MIMO 4CC STATE B

100 MHz, MIMO, 4CC, QPSK

Low-side, Single RB

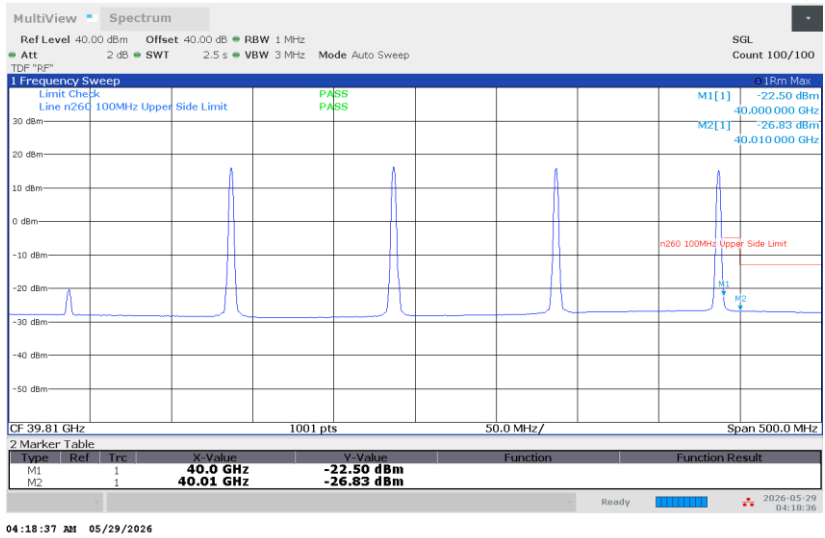


Low-side, Full RB



100 MHz, MIMO, 4CC, QPSK

High-side, Single RB



High-side, Full RB



100 MHz, MIMO, 4CC, QPSK

BW	Channel	RB	Freq.	Avg EIRP	Avg TRP Limit	Margin
(MHz)		(Size Offset)	(GHz)	(dBm)	(dBm)	(dB)
100	L	1/0	37.00	-18.62	-5.00	-13.62
			36.99	-29.65	-13.00	-16.65
	L	66/0	37.00	-25.24	-5.00	-20.24
			36.99	-26.23	-13.00	-13.23
	H	1/65	40.00	-22.50	-5.00	-17.50
			40.01	-26.83	-13.00	-13.83
	H	66/0	40.00	-25.01	-5.00	-20.01
			40.01	-25.37	-13.00	-12.37

8.5. RADIATED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1051, §2.957(f), §30.203

LIMIT

30.203(a) - The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower.

30.203(d)(1) - For licensees operating mobile equipment in the 24.25-24.45 GHz or 24.75-25.25 GHz bands, the maximum conducted output power or the total radiated power of emissions in any 200 MHz of the 23.6-24.0 GHz band shall not exceed -33 dBW (for base stations) or -29 dBW (for mobile stations).

30.203(d)(2) - For mobile equipment brought into use after September 1, 2027, the maximum conducted output power or the total radiated power of emissions in any 200 MHz of the 23.6-24.0 GHz band shall not exceed -39 dBW (for base stations) or -35 dBW (for mobile stations). If equipment brought into use on or prior to September 1, 2027 is replaced, or modified in a manner that changes the emissions characteristics of the equipment, the equipment must then comply with the emissions limits in this paragraph (d).

TEST PROCEDURE

KDB 842590 D01 Upper Microwave Flexible Use Service v01r03 Section 4.4.2 and Section 4.4.3.
ANSI C63.26-2015 Clause 5.5 and Annex C.5.2.

All radiated spurious emissions were measured as EIRP to compare with the §30.203 TRP limits to demonstrate compliance.

Based on the pre-scan test results, the readings of emission in 9 kHz – 30 MHz range are attenuated more than 20 dB below the limit, therefore RSE was further investigated from 30 MHz – 100 GHz on n258 SB1, n258 SB2 and n261 bands, from 30 MHz – 200 GHz on n260 band.

Plots below 18 GHz are corrected field strength levels, measured at 3-meter test distance. The average EIRP reported below is calculated per section 5.2.7 of ANSI C63.26-2015 which states: $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m. The field strength E is calculated $E (dB\mu V/m) = \text{Spectrum Analyzer Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$. All appropriate Antenna Factor and Cable Loss have been applied in the spectrum analyzer for each measurement.

RSEs from 1 – 200 GHz were measured at 1.5 meters height.

RSEs above 18 GHz were measured at the appropriate far field distances listed on Section 5 on this report (FAR-FIELD DISTANCE AND MEASUREMENT DISTANCE). RSEs from 18 – 50 GHz were measured using a spectrum analyzer or EMI receiver with an internal preamplifier when applicable. Emissions above 50 GHz were measured using a downconverter with spectrum analyzer, while an external LNA was used when applicable.

EIRP of RSE was calculated using the equations on ANSI C63.26-2015 Annex C.5.2. The total correction factor of cable/waveguide extension loss, horn antenna gain, downconverter loss, LNA gain, and far-field path loss were calculated using equations C.8 and C.9, and pre-loaded into spectrum analyzer.

Sample calculation of EIRP:

$$\begin{aligned}\text{Total Correction Factor} &= \text{Cable Loss (dB)} - \text{Horn Ant Gain (dBi)} - \text{LNA Gain (dB)} \\ &\quad + \text{Downconverter Loss (dB)} + \text{Path Loss (dB)} \\ &= 4 - 23 - 30 + 8 + 71 \\ &= 30 \text{ dB}\end{aligned}$$

EIRP = P_{measured} (dBm), where Total Correction Factor preloaded.

Calculation of test limits of 30.203(d)(1) & (2) for 24.25-24.45 GHz or 24.75-25.25 GHz bands:

Total radiated power of emissions in any 200 MHz of the 23.6-24.0 GHz band shall not exceed -29 dBW and -35 dBW.

$$P \text{ (dBm)} = P \text{ (dBW)} - 30$$

Therefore,

$$-29 \text{ dBW}/200 \text{ MHz} = 1 \text{ dBm}/200 \text{ MHz}$$

$$-35 \text{ dBW}/200 \text{ MHz} = -5 \text{ dBm}/200 \text{ MHz}$$

By RBW compensation, $10 \cdot \log(1\text{MHz}/200\text{MHz}) = -23.1 \text{ dB}$

Hence, Test Limits:

$$1 \text{ dBm}/200 \text{ MHz} = -22 \text{ dBm}/\text{MHz} \text{ for } 30.203(d)(1)$$

$$-5 \text{ dBm}/200\text{MHz} = -28 \text{ dBm}/\text{MHz} \text{ for } 30.203(d)(2)$$

The highest EIRP was measured with full RB configuration in certain frequency bands. Preliminary tests confirmed that the RSE power levels of full RB configurations were noticeably lower than the RSE power levels of single RB configurations. Hence, RSEs were measured using the single RB configuration with highest EIRP (QPSK, SISO-Dual mode and a single mid-RB) as representing the worst case.

Further investigation of radiated emissions at the low, middle, and high channels indicated that the worst case radiated spurious emissions were on the channel with the highest EIRP of single RB, therefore only the test data for that channel is included in this report.

The following configurations with highest EIRP of single RB in each frequency band were used at RSE measurement at the worst-case orientation of EUT:

State A:

n258 SB1 band: SISO-DUAL_QPSK_100 MHz BW_Mid CH_RB Offset 1/32 (1RB-M)

n258 SB2 band: SISO-DUAL_QPSK_100 MHz BW_Mid CH_RB Offset 1/32 (1RB-M)

n261 band: SISO-DUAL_QPSK_100 MHz BW_High CH_RB Offset 1/32 (1RB-M)

n260 band: SISO-DUAL_QPSK_100 MHz BW_High CH_RB Offset 1/32 (1RB-M)

State B:

n258 SB1 band: SISO-DUAL_QPSK_100 MHz BW_Mid CH_RB Offset 1/32 (1RB-M)

n258 SB2 band: SISO-DUAL_QPSK_100 MHz BW_Mid CH_RB Offset 1/32 (1RB-M)

n261 band: SISO-DUAL_QPSK_100 MHz BW_High CH_RB Offset 1/32 (1RB-M)

n260 band: SISO-DUAL_QPSK_100 MHz BW_High CH_RB Offset 1/32 (1RB-M)

In addition, the 2CC to 4CC multi-carrier operations were verified for IMD products at the near upper and lower band edge regions, approximately 1 GHz wide. The measurements were made with the single RB active in each channel and plots showing the IMD products are provided. Both (50 MHz + 50 MHz) and (100 MHz + 100 MHz) channel bandwidths are tested and the signal level of the IMD products are similar for both modes. Antenna gain of EUT is not factored into the EIRP calculation of IMD product measurements. The test data for the worst case IMD emissions are reported.

Where the measured EIRP value is above the TRP limit, a TRP measurement is performed. Otherwise, the EIRP value is compared with the §30.203 TRP limits to demonstrate compliance.

For the investigations of simultaneous transmission of multiple wireless technologies in the LTE B2 + 5G FR2 bands and 5.8 GHz Wi-Fi + 5G FR2 bands, no noticeable new emission with high amplitude was found.

RESULTS

See the following pages.

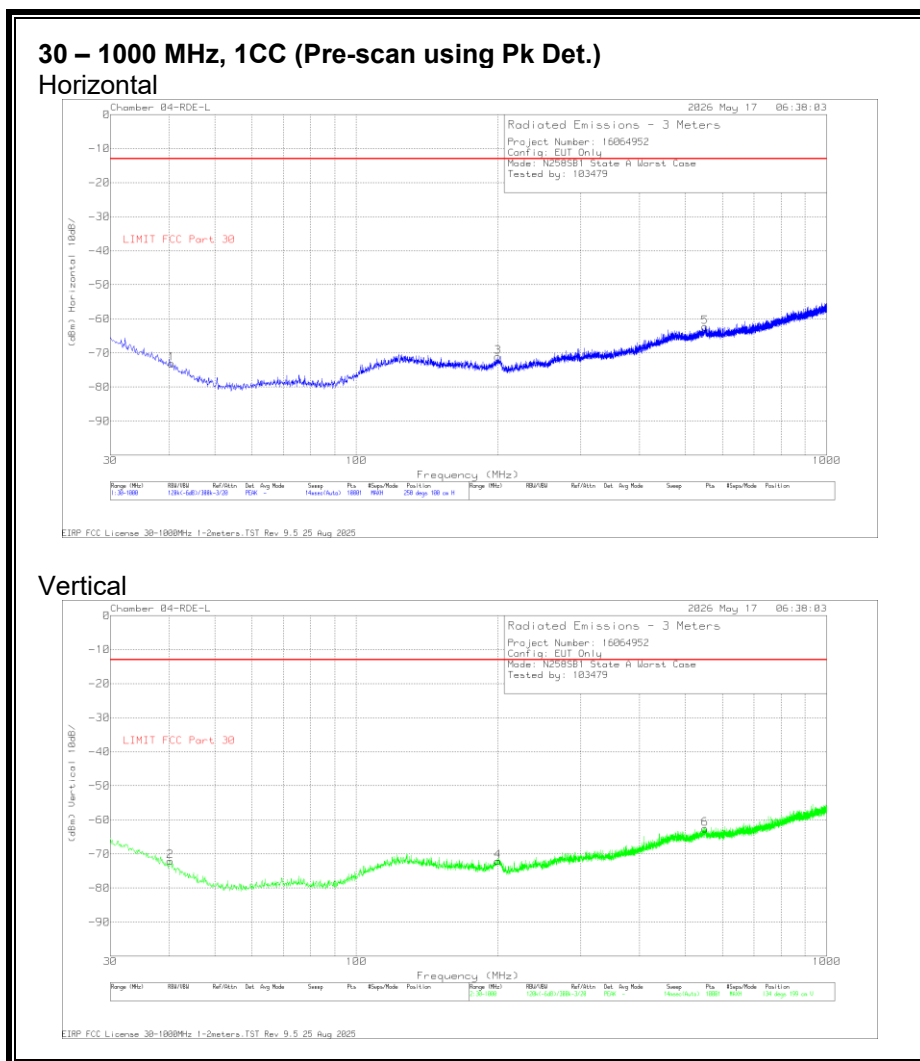
Employee IDs: 19459, 24303, 27294, 27780, 31925, 32226, 103479

Test Dates: 2026-05-17 to 2026-07-08

Test Location Below 18 GHz: 04-RDE-L

Test Locations Above 18 GHz: 01-mmW-A, -B, -C & -D

8.5.1. RSE n258 SB1 30 – 1000 MHz STATE A



Trace Markers

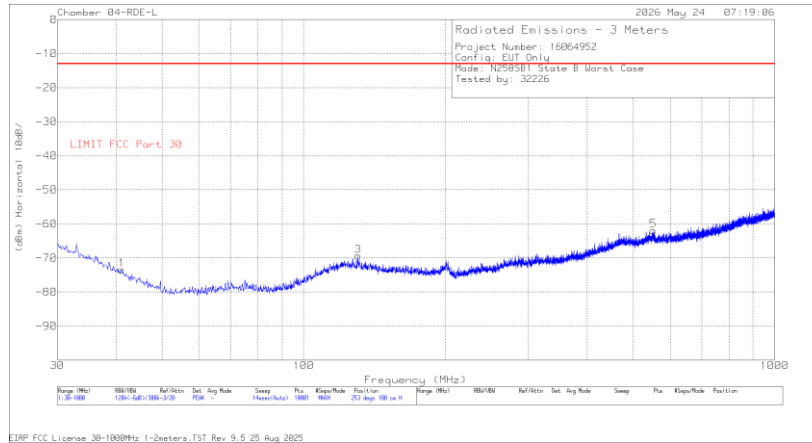
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80293 ACF (dBm)	Amp/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.476	-72.62	Pk	19.5	-31.7	11.8	-73.02	-13	-60.02	0-360	199	H
2	40.185	-71.92	Pk	19.8	-31.7	11.8	-72.02	-13	-59.02	0-360	100	V
3	200.041	-71.34	Pk	18.8	-30.3	11.8	-71.04	-13	-58.04	0-360	199	H
4	199.847	-72.28	Pk	18.8	-30.3	11.8	-71.98	-13	-58.98	0-360	100	V
5	551.375	-69.42	Pk	24.3	-28.9	11.8	-62.22	-13	-49.22	0-360	199	H
6	551.472	-69.70	Pk	24.3	-28.9	11.8	-62.50	-13	-49.50	0-360	199	V

Pk - Peak detector

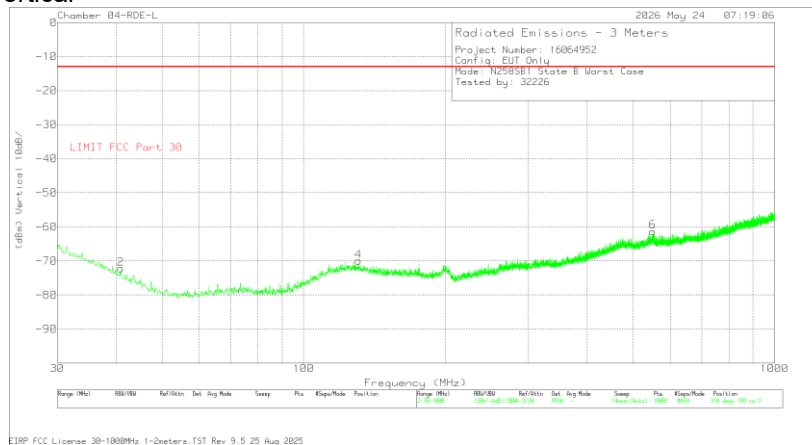
8.5.2. RSE n258 SB1 30 – 1000 MHz STATE B

30 – 1000 MHz, 1CC (Pre-scan using Pk Det.)

Horizontal



Vertical

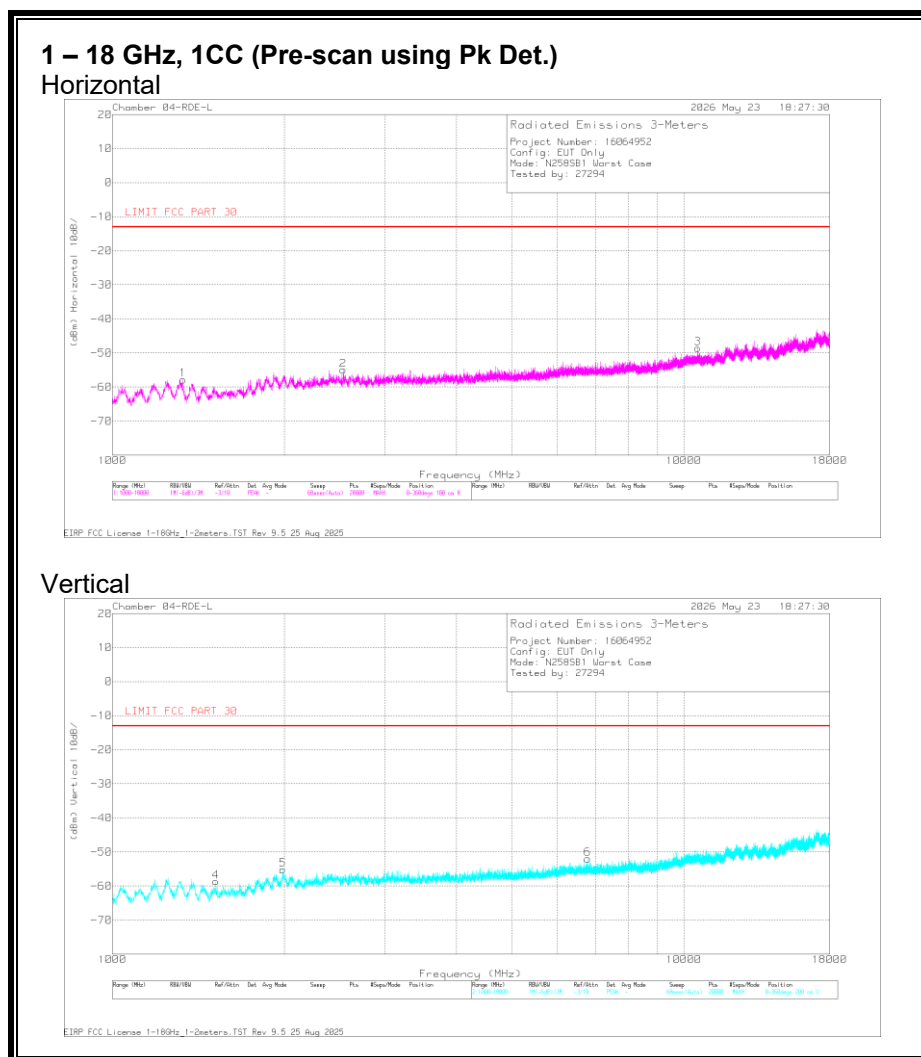


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80293 ACF (dB/m)	Ampl/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	41.058	-72.52	Pk	19.1	-31.7	11.8	-73.32	-13	-60.32	0-360	199	H
2	40.864	-71.48	Pk	19.2	-31.7	11.8	-72.18	-13	-59.18	0-360	100	V
3	130.395	-70.30	Pk	19.9	-30.7	11.8	-69.30	-13	-56.30	0-360	199	H
4	130.589	-71.03	Pk	19.9	-30.6	11.8	-69.93	-13	-56.93	0-360	100	V
5	552.054	-69.17	Pk	24.3	-28.8	11.8	-61.87	-13	-48.87	0-360	199	H
6	551.472	-68.45	Pk	24.3	-28.9	11.8	-61.25	-13	-48.25	0-360	199	V

Pk - Peak detector

8.5.3. RSE n258 SB1 1 - 18 GHz STATE A



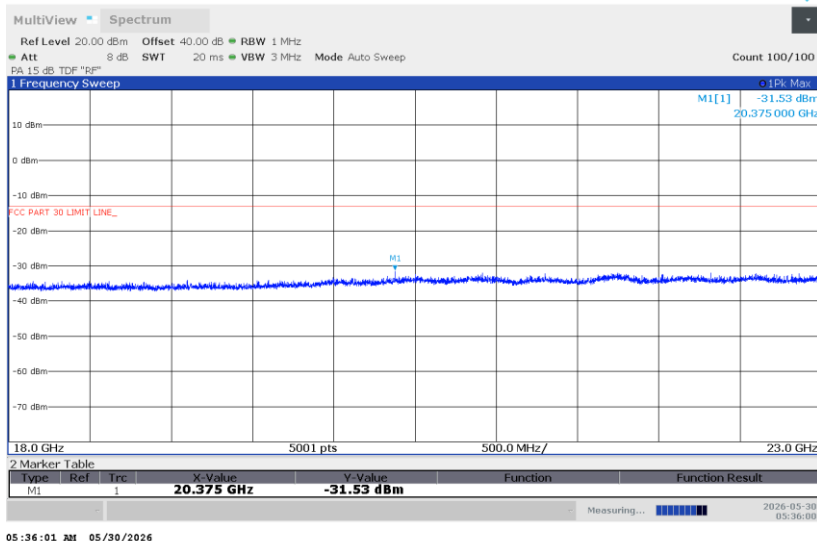
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206807 ACF (dB/m)	Amp/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1328.967	-51.23	Pk	29.2	-47.5	11.8	-57.73	-13	-44.73	0-360	100	H
2	2536.028	-52.43	Pk	32.4	-46.7	11.8	-54.93	-13	-41.93	0-360	200	H
3	10579.985	-56.00	Pk	37.9	-42.2	11.8	-48.50	-13	-35.50	0-360	200	H
4	1517.676	-51.27	Pk	28.3	-47.4	11.8	-58.57	-13	-45.57	0-360	100	V
5	1987.750	-51.74	Pk	32.1	-47.3	11.8	-55.14	-13	-42.14	0-360	200	V
6	6793.043	-56.36	Pk	35.7	-43.0	11.8	-51.86	-13	-38.86	0-360	100	V

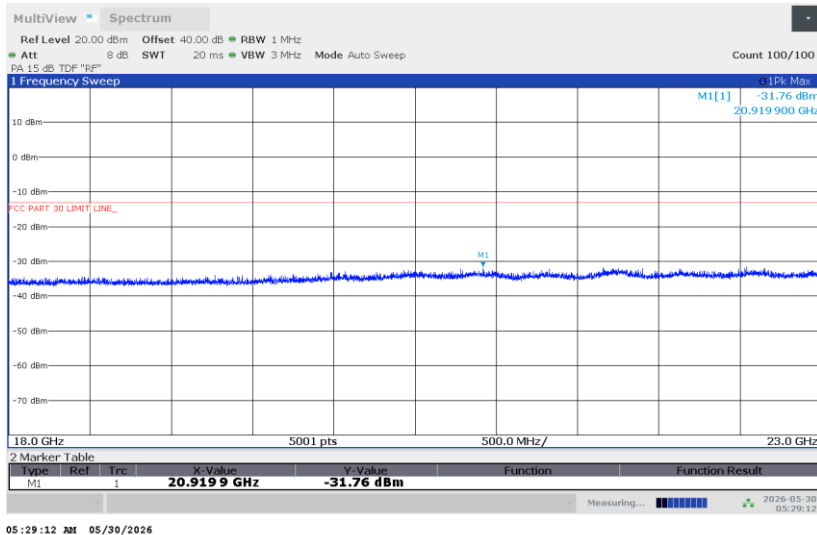
Pk - Peak detector

8.5.5. RSE n258 SB1 18 - 23 GHz STATE A

18 - 23 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



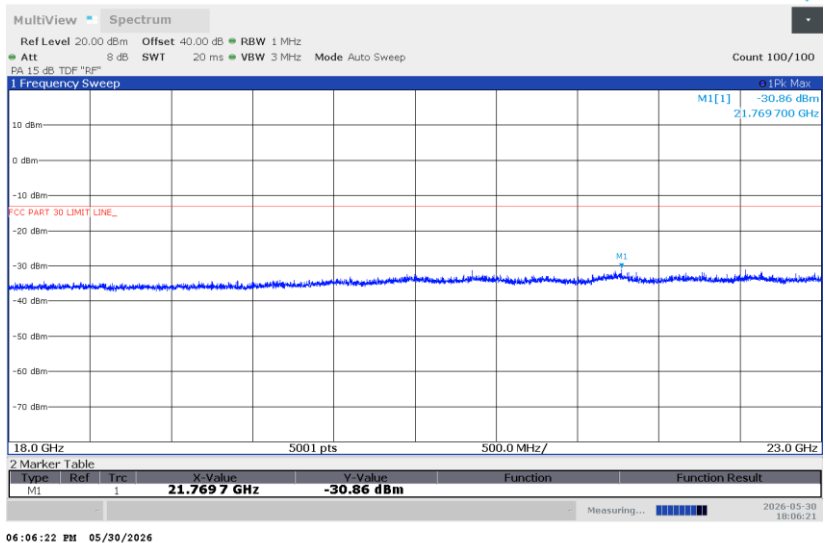
18 - 23 GHz, 1CC (Pre-scan using Pk Det.) Vertical



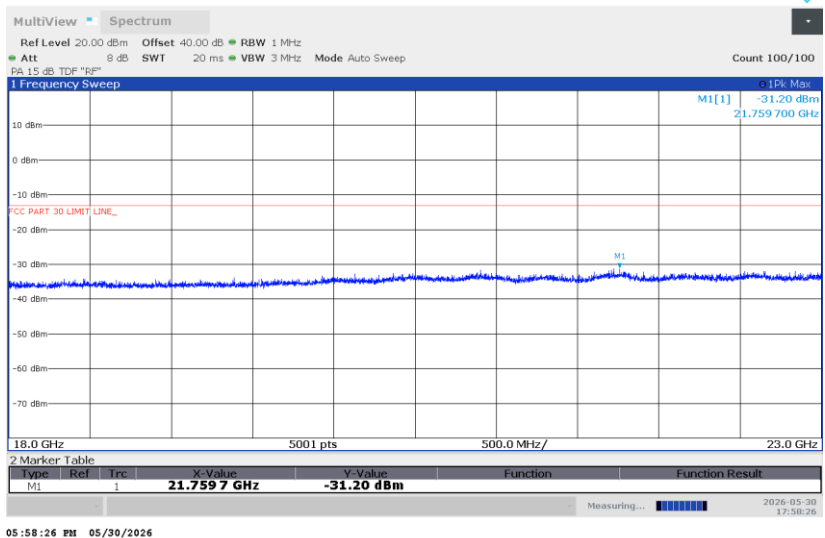
No emission detected using Peak Detection.

8.5.6. RSE n258 SB1 18 - 23 GHz STATE B

18 - 23 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



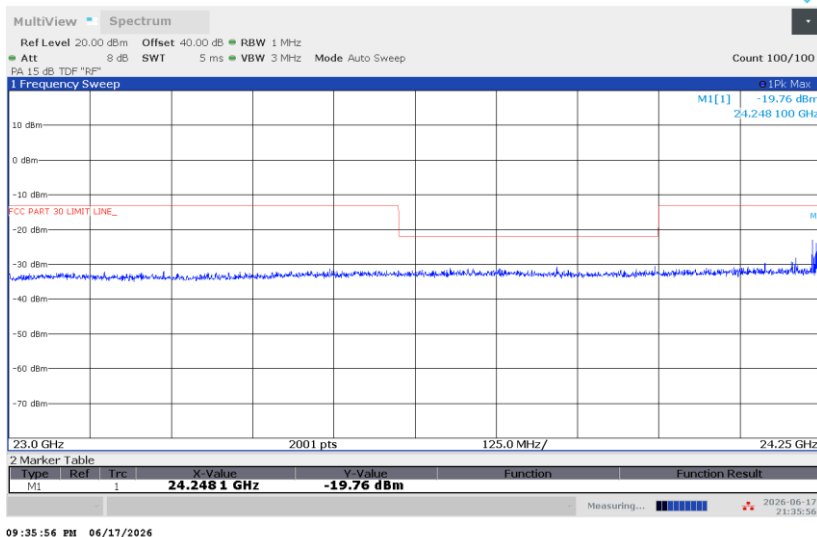
18 - 23 GHz, 1CC (Pre-scan using Pk Det.) Vertical



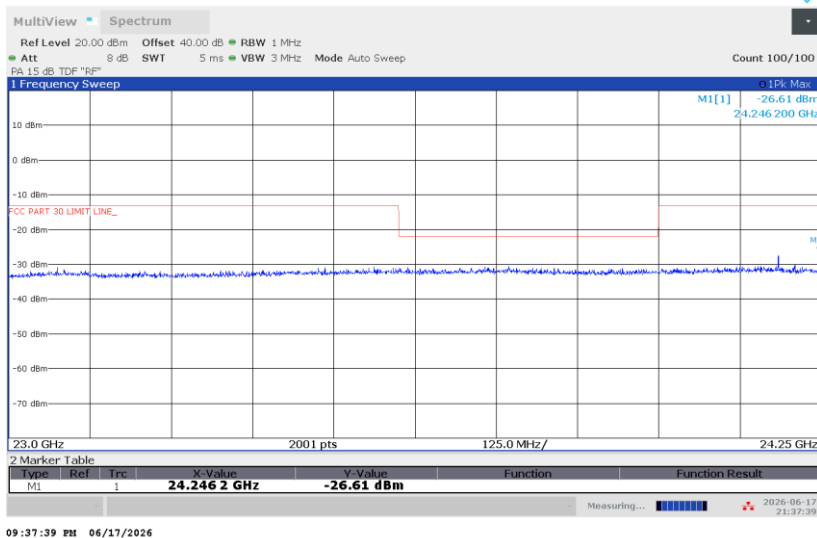
No emission detected using Peak Detection.

8.5.7. RSE n258 SB1 23 - 24.25 GHz STATE A

23 - 24.25 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



23 - 24.25 GHz, 1CC (Pre-scan using Pk Det.) Vertical

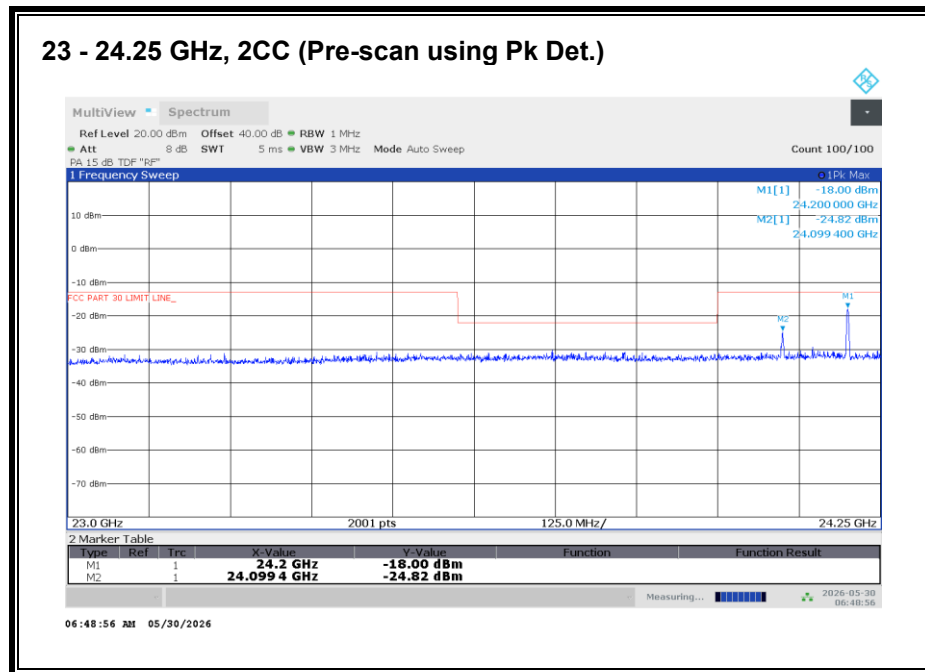


Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

23 - 24.25 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.248	3.3	H	-40.34	-13.00	-27.34
24.248	3.3	V	-41.11	-13.00	-28.11

23 - 24.25 GHz n258 SB1, 2CC



Worst case configuration:

SISO-DUAL_QPSK_(100 MHz + 100 MHz)_Low CH_RB Offset 1/32 (1RB-M)

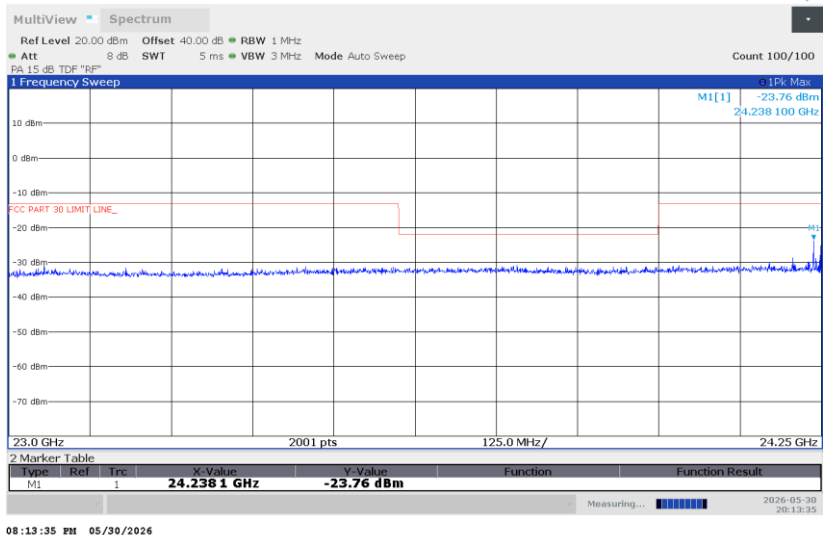
Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

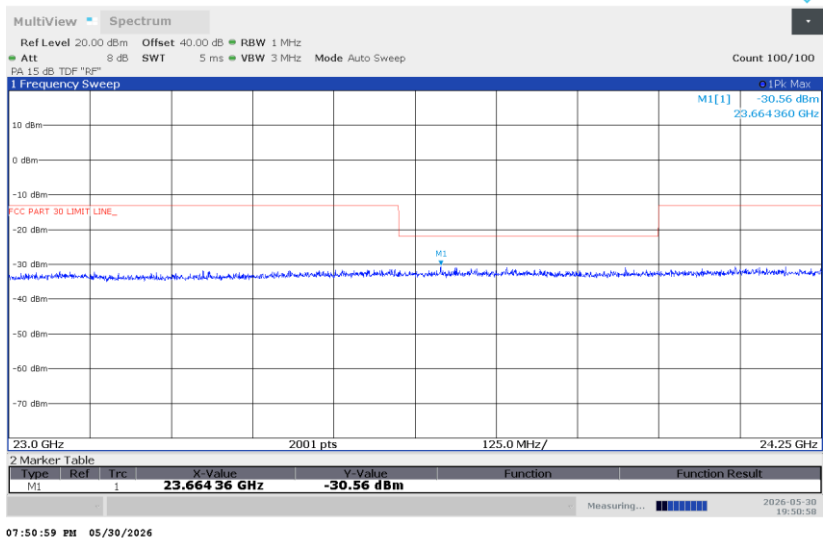
Freq.	Meas.	Rx Ant.	Corrected	TRP Limit	Margin
(GHz)	Distance	Polarity	Avg EIRP	(dBm)	(dB)
24.199	3.3	H/V	(dBm)	(dBm)	(dB)
			-17.07	-13.00	-4.07

8.5.8. RSE n258 SB1 23 - 24.25 GHz STATE B

23 - 24.25 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



23 - 24.25 GHz, 1CC (Pre-scan using Pk Det.) Vertical

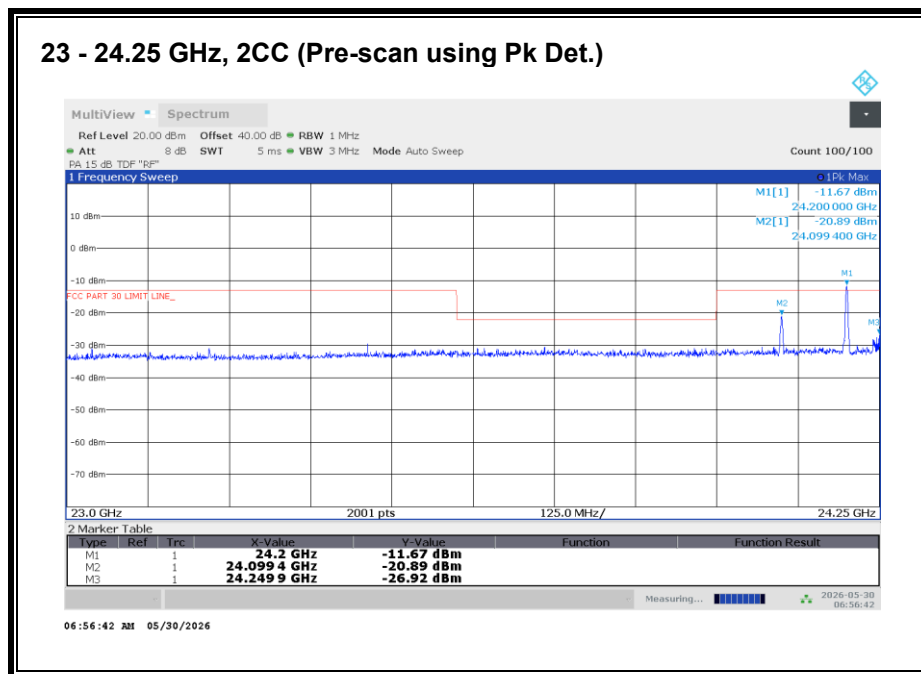


Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

23 - 24.25 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.238	3.3	H	-38.38	-13.00	-25.38
24.238	3.3	V	-40.85	-13.00	-27.85

23 - 24.25 GHz n258 SB1, 2CC



Worst case configuration:

SISO-DUAL_QPSK_(100 MHz + 100 MHz)_Low CH_RB Offset 1/32 (1RB-M)

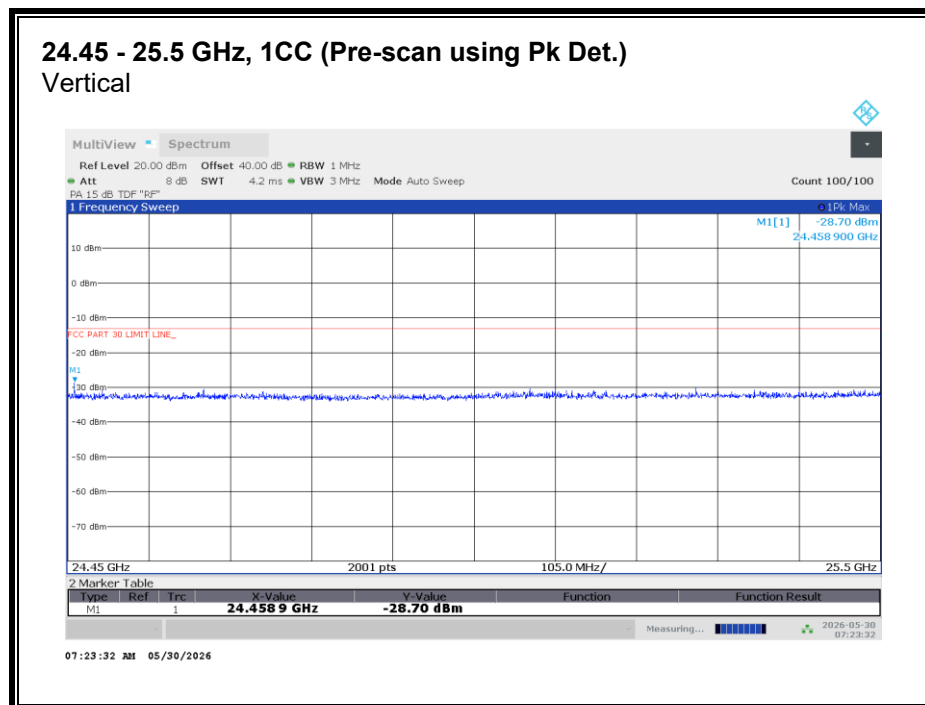
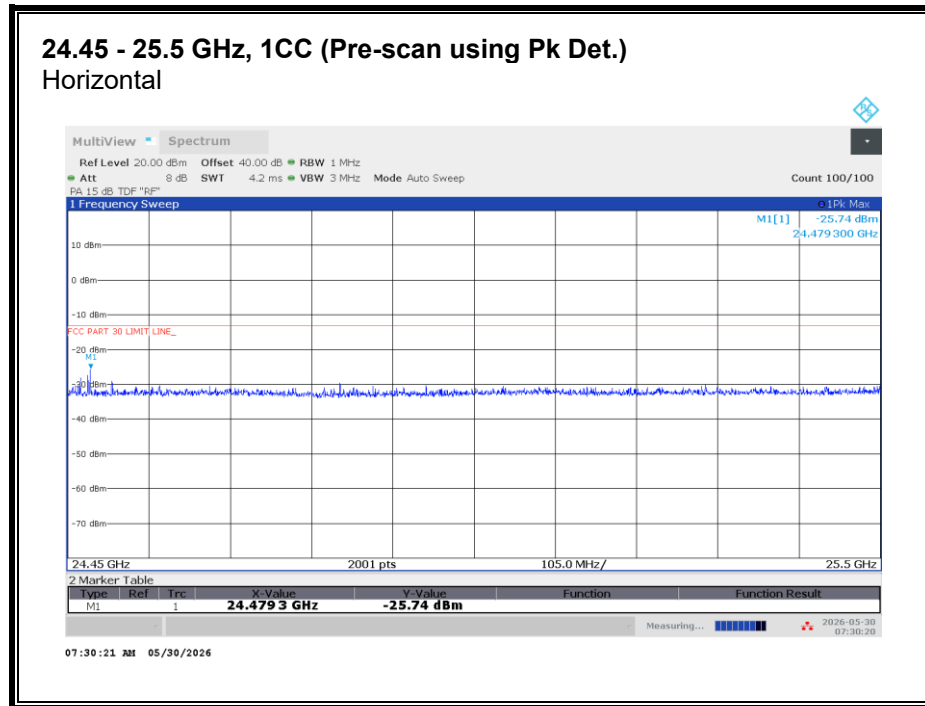
Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

Freq.	Meas.	Rx Ant.	Corrected	TRP Limit	Margin
(GHz)	Distance	Polarity	Avg EIRP	(dBm)	(dB)
	(m)	H/V	(dBm)		
24.199	3.3	H	-17.05	-13.00	-4.05

8.5.9. RSE n258 SB1 24.45 - 25.5 GHz STATE A

Note: 24.25 – 24.45 GHz covered by Fundamental and BE measurements.

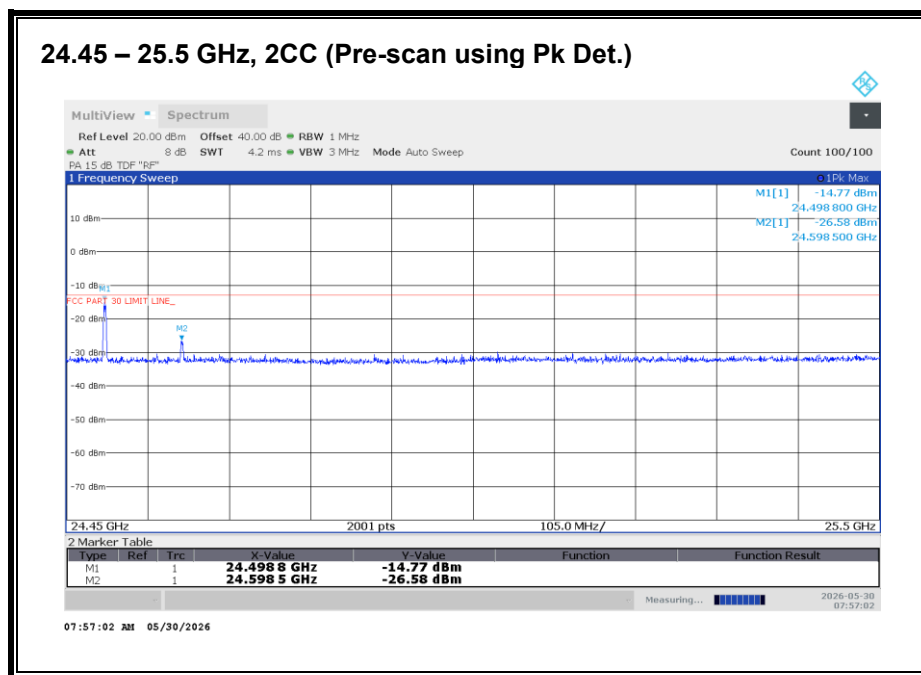


Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

24.45 - 25.5 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.479	3.3	H	-40.98	-13.00	-27.98
24.479	3.3	V	-42.12	-13.00	-29.12

24.45 – 25.5 GHz n258 SB1, 2CC



Worst case configuration:

SISO-DUAL_QPSK_(100 MHz + 100 MHz)_High CH_RB Offset 1/32 (1RB-M)

Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

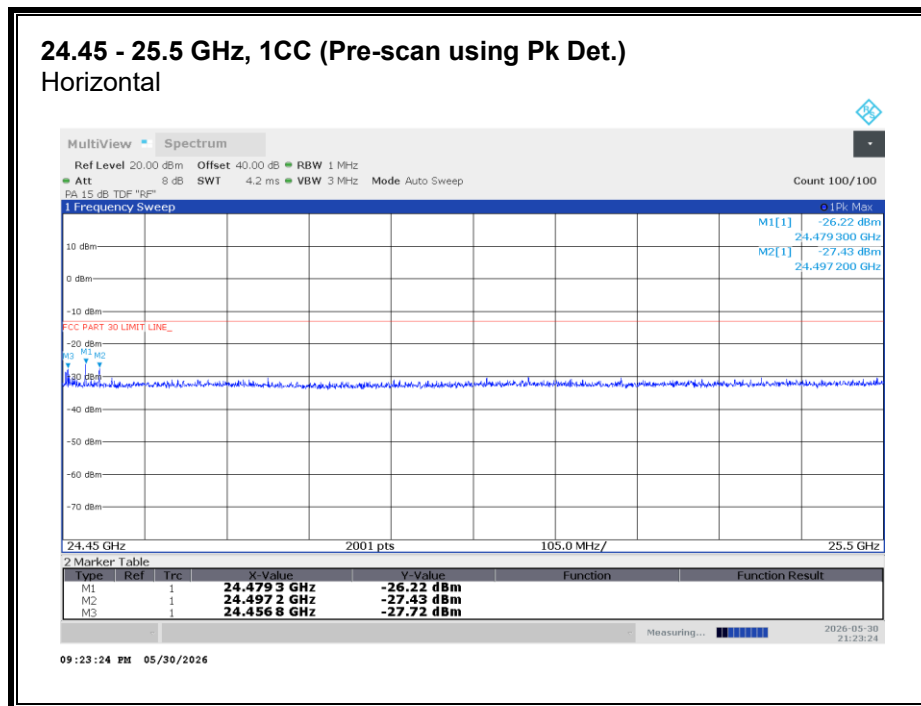
All emissions were investigated, and the highest emission was reported.

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.499	3.3	H	-18.45	-13.00	-5.45

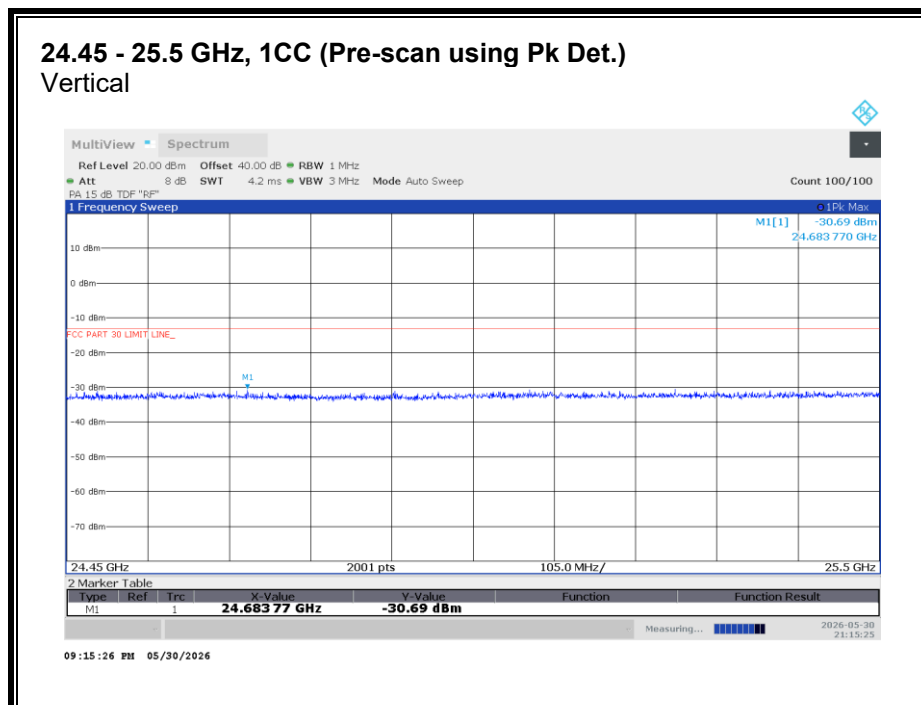
8.5.10. RSE n258 SB1 24.45 - 25.5 GHz STATE B

Note: 24.25 – 24.45 GHz covered by Fundamental and BE measurements.

24.45 - 25.5 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



24.45 - 25.5 GHz, 1CC (Pre-scan using Pk Det.) Vertical

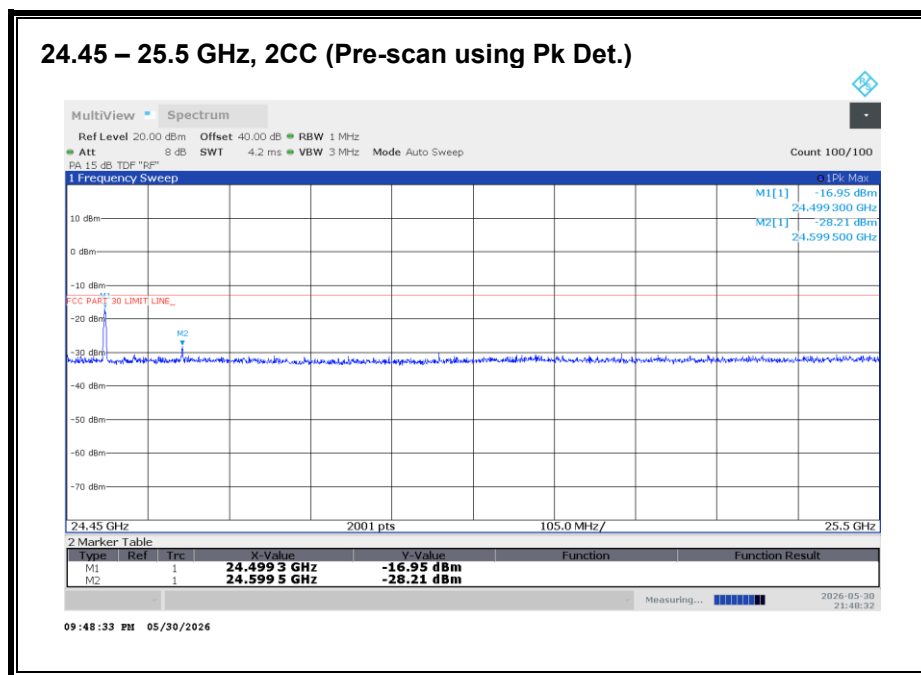


Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

24.45 - 25.5 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.459	3.3	H	-37.93	-13.00	-24.93
24.459	3.3	V	-41.6	-13.00	-28.60
24.497	3.3	H	-40.69	-13.00	-27.69
24.497	3.3	V	-41.05	-13.00	-28.05

24.45 – 25.5 GHz n258 SB1, 2CC



Worst case configuration:

SISO-DUAL_QPSK_(100 MHz + 100 MHz)_High CH_RB Offset 1/32 (1RB-M)

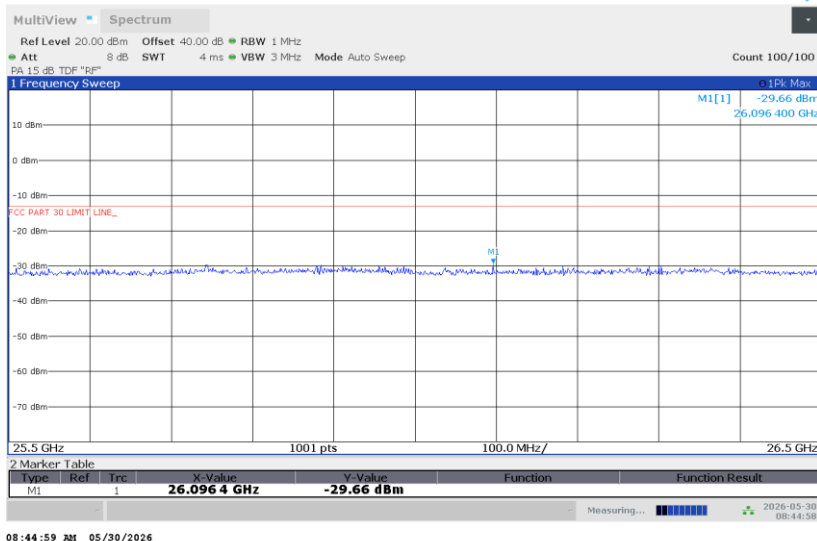
Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

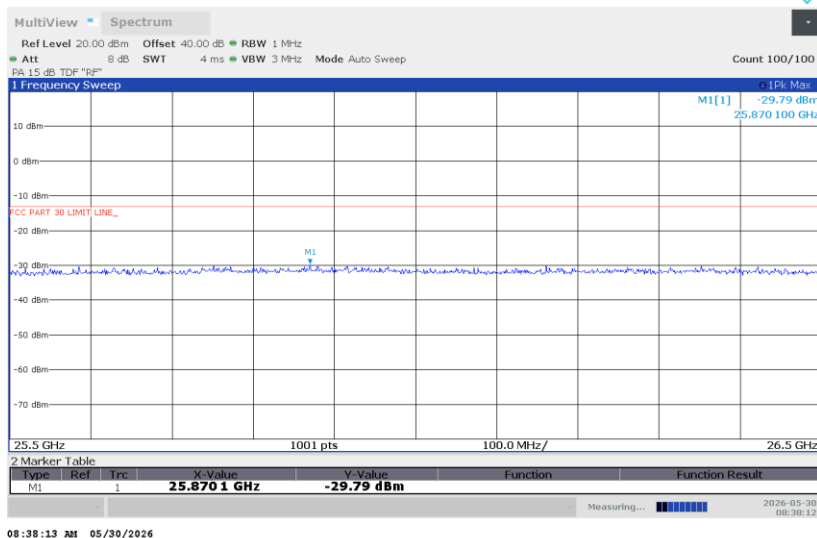
Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.499	3.3	H	-17.96	-13.00	-4.96

8.5.11. RSE n258 SB1 25.5 - 26.5 GHz STATE A

25.5 - 26.5 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



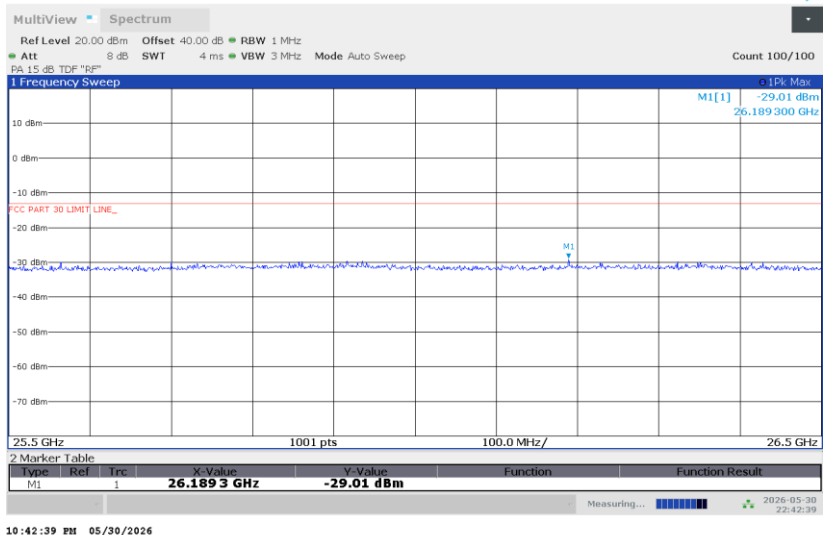
25.5 - 26.5 GHz, 1CC (Pre-scan using Pk Det.) Vertical



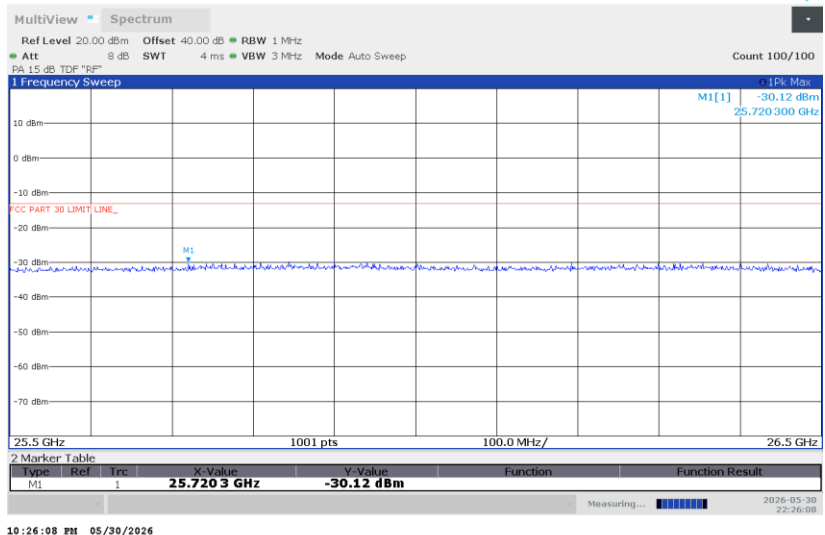
No emission detected using Peak Detection.

8.5.12. RSE n258 SB1 25.5 - 26.5 GHz STATE B

25.5 - 26.5 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



25.5 - 26.5 GHz, 1CC (Pre-scan using Pk Det.) Vertical

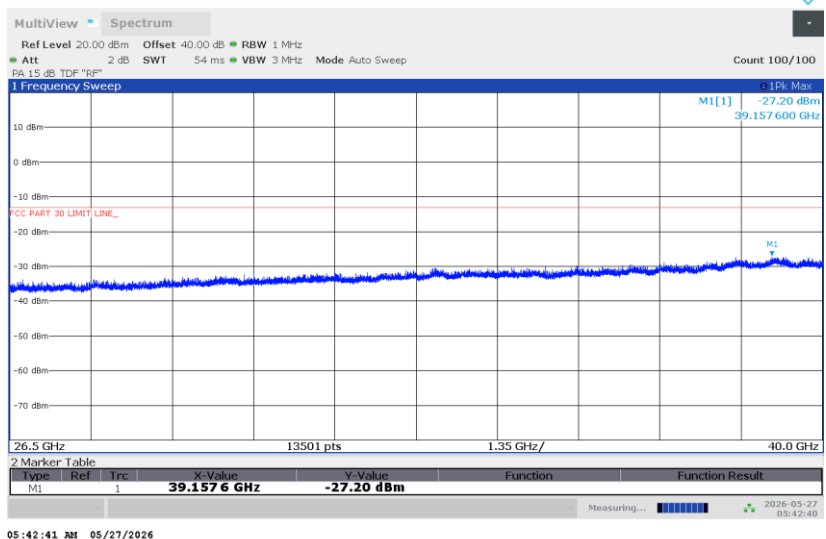


No emission detected using Peak Detection.

8.5.13. RSE n258 SB1 26.5 - 40 GHz STATE A

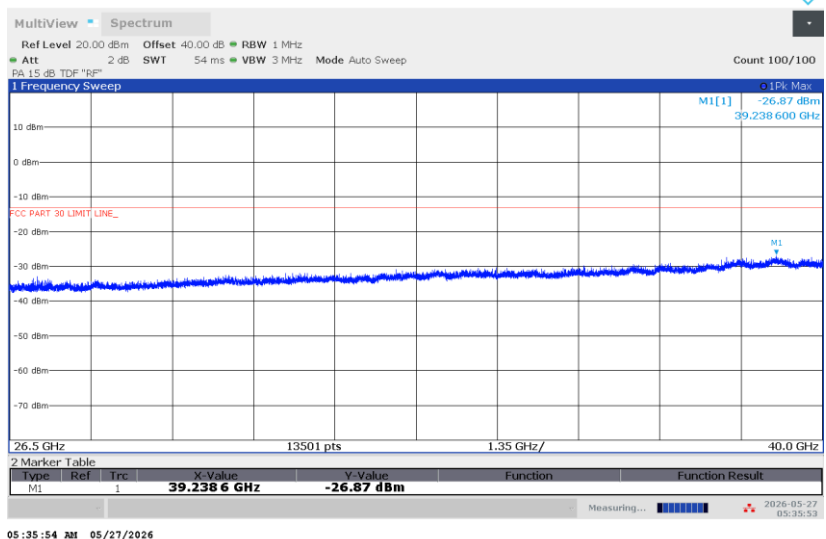
26.5 - 40 GHz, 1CC (Pre-scan using Pk Det.)

Horizontal



26.5 - 40 GHz, 1CC (Pre-scan using Pk Det.)

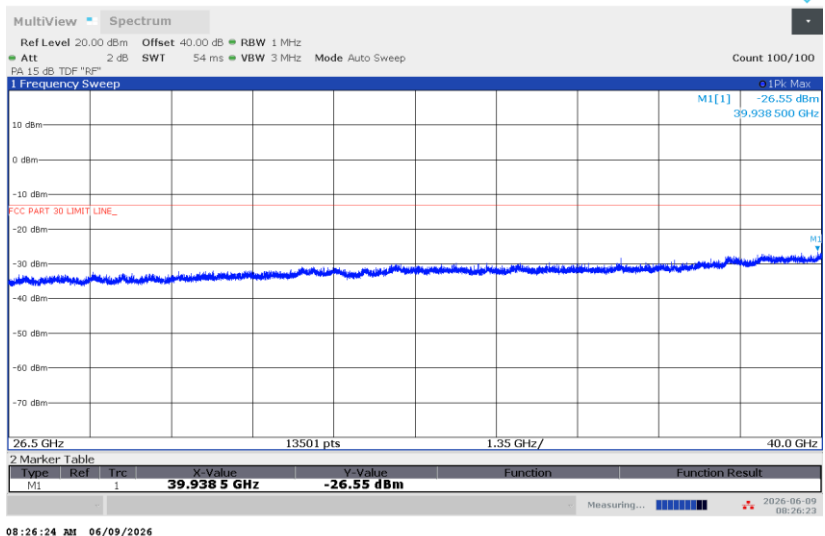
Vertical



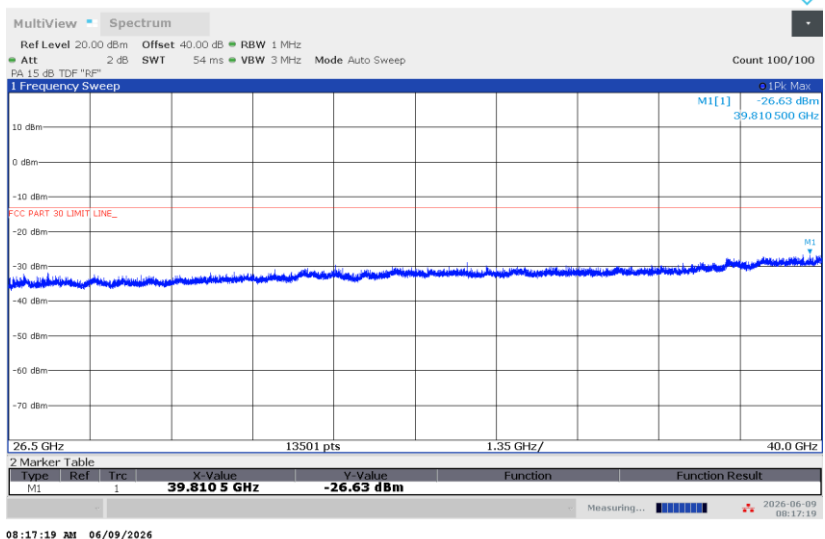
No emission detected using Peak Detection.

8.5.14. RSE n258 SB1 26.5 - 40 GHz STATE B

26.5 - 40 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



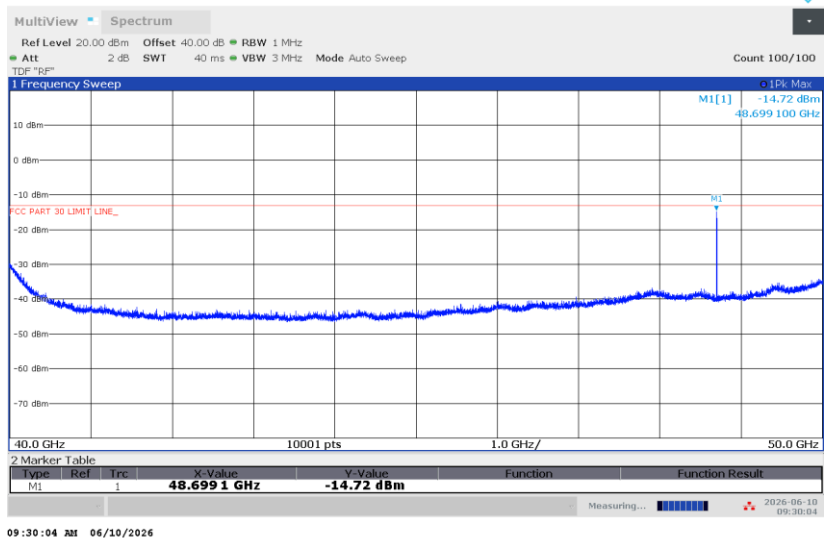
26.5 - 40 GHz, 1CC (Pre-scan using Pk Det.) Vertical



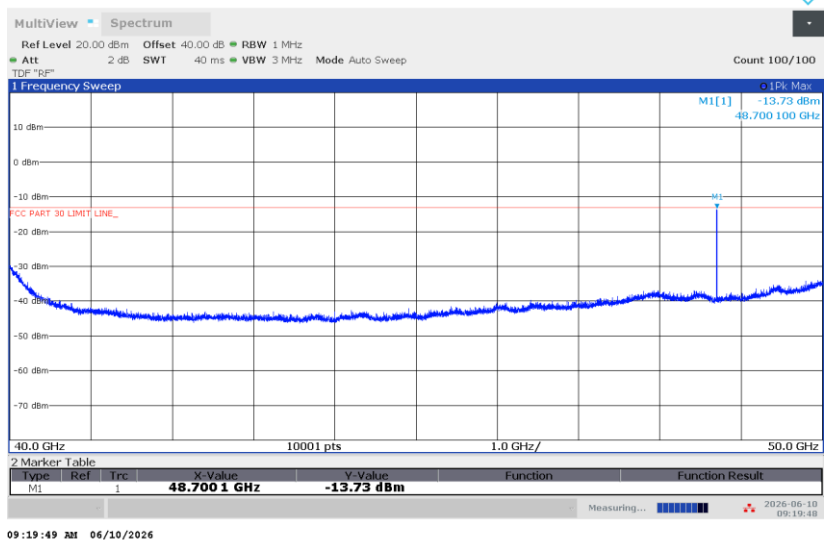
No emission detected using Peak Detection.

8.5.15. RSE n258 SB1 40 - 50 GHz STATE A

40 – 50 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



40 – 50 GHz, 1CC (Pre-scan using Pk Det.) Vertical



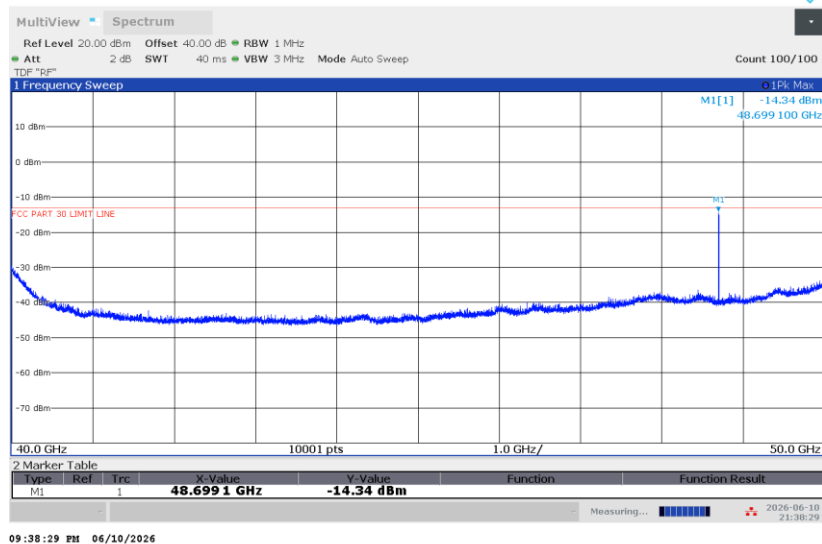
Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

40 – 50 GHz n258 SB1, 1CC

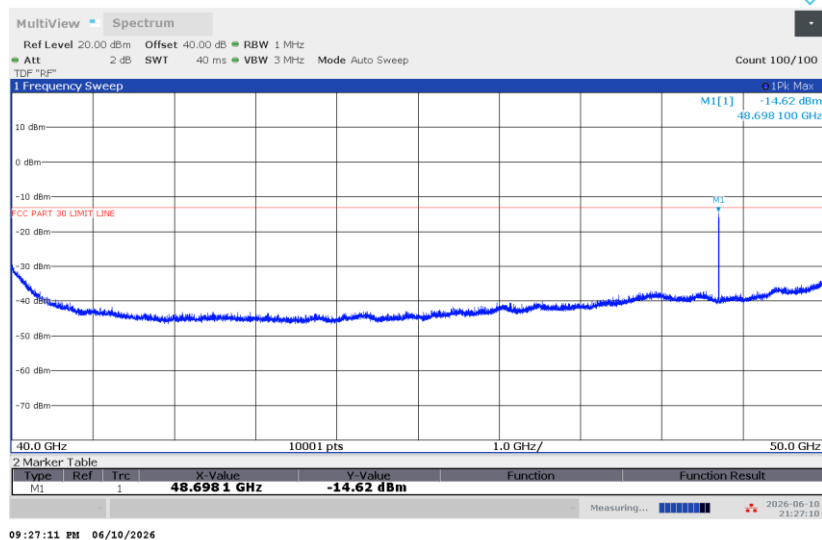
Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
48.699	3	H	-20.24	-13.00	-7.24
48.699	3	V	-35.94	-13.00	-22.94

8.5.16. RSE n258 SB1 40 - 50 GHz STATE B

40 – 50 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



40 – 50 GHz, 1CC (Pre-scan using Pk Det.) Vertical



Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

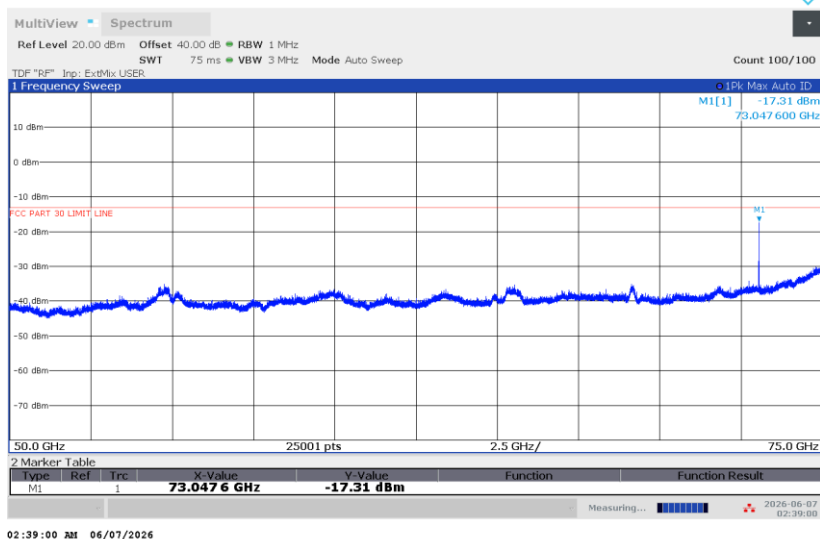
40 – 50 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
48.699	3	H	-18.31	-13.00	-5.31
48.699	3	V	-30.75	-13.00	-17.75

8.5.17. RSE n258 SB1 50 - 75 GHz STATE A

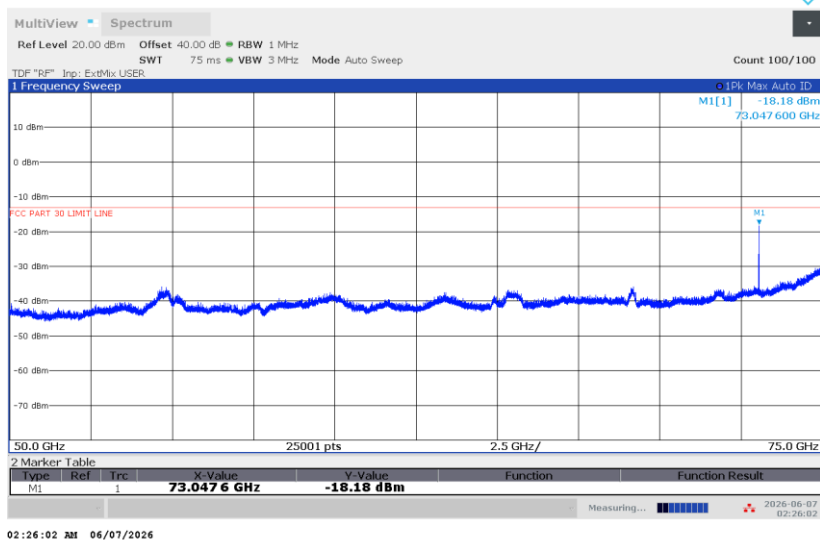
50 - 75 GHz, 1CC (Pre-scan using Pk Det.)

Horizontal



50 - 75 GHz, 1CC (Pre-scan using Pk Det.)

Vertical



Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

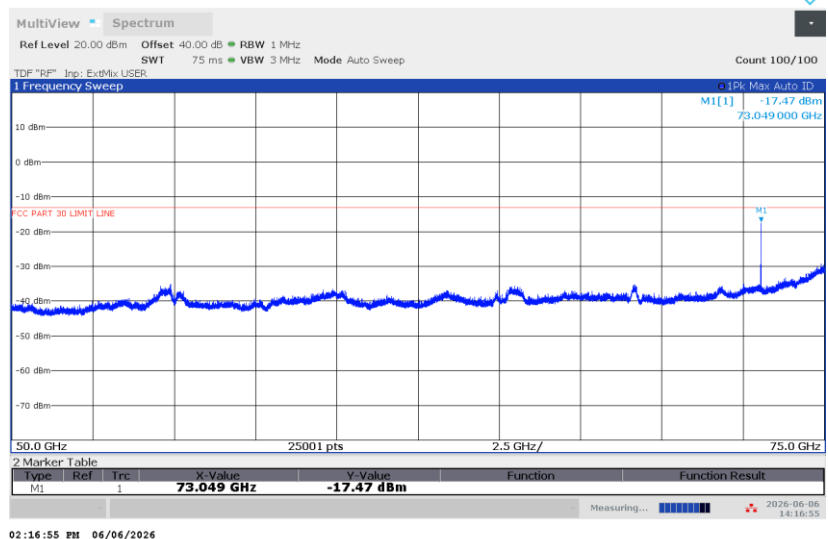
50 - 75 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
73.048	3	H	-25.94	-13.00	-12.94
73.048	3	V	-29.99	-13.00	-16.99

8.5.18. RSE n258 SB1 50 - 75 GHz STATE B

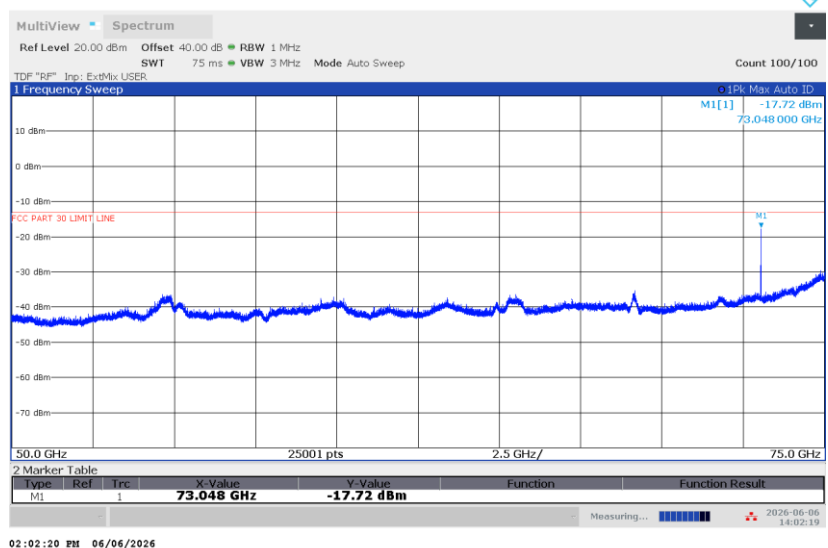
50 - 75 GHz, 1CC (Pre-scan using Pk Det.)

Horizontal



50 - 75 GHz, 1CC (Pre-scan using Pk Det.)

Vertical



Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

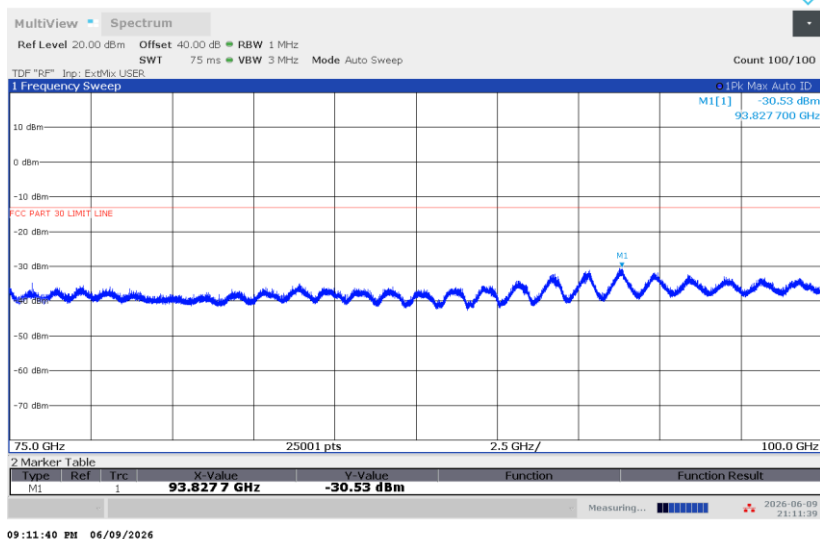
50 - 75 GHz n258 SB1, 1CC

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
73.048	3	H	-23.84	-13.00	-10.84
73.048	3	V	-33.75	-13.00	-20.75

8.5.19. RSE n258 SB1 75 - 100 GHz STATE A

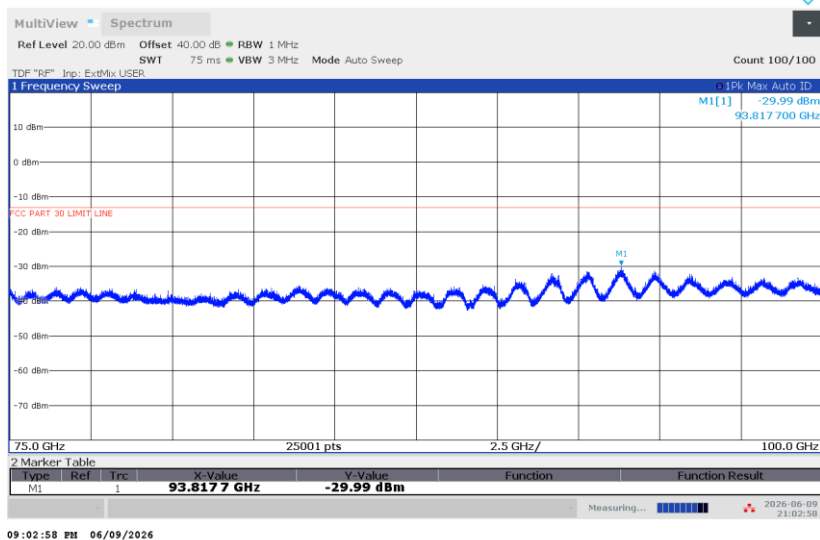
75 - 100 GHz, 1CC (Pre-scan using Pk Det.)

Horizontal



75 - 100 GHz, 1CC (Pre-scan using Pk Det.)

Vertical

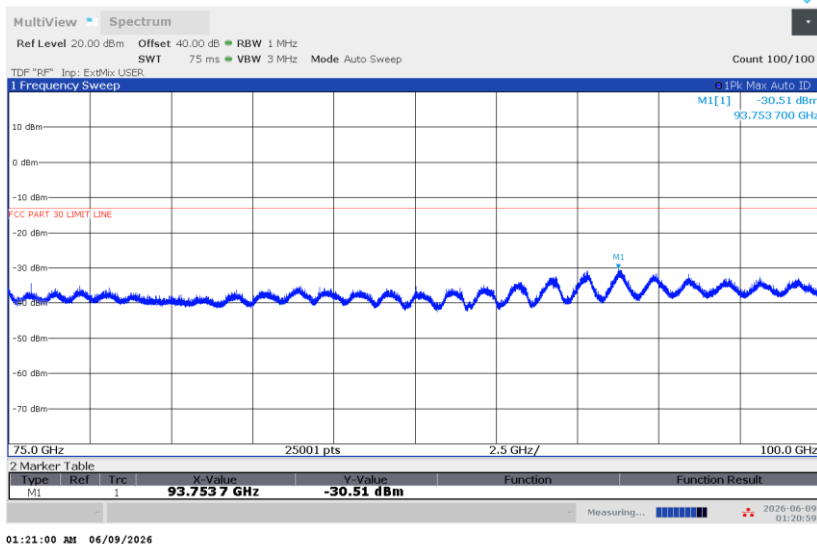


No emission detected using Peak Detection.

8.5.20. RSE n258 SB1 75 - 100 GHz STATE B

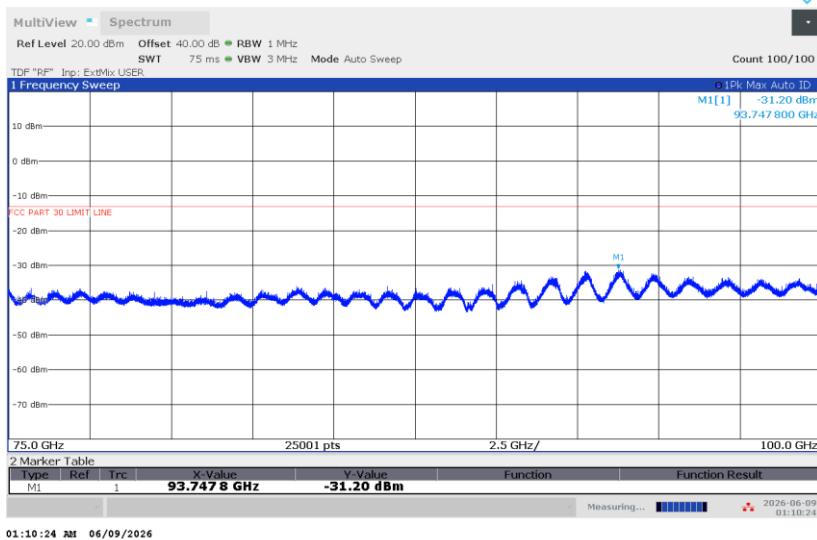
75 - 100 GHz, 1CC (Pre-scan using Pk Det.)

Horizontal



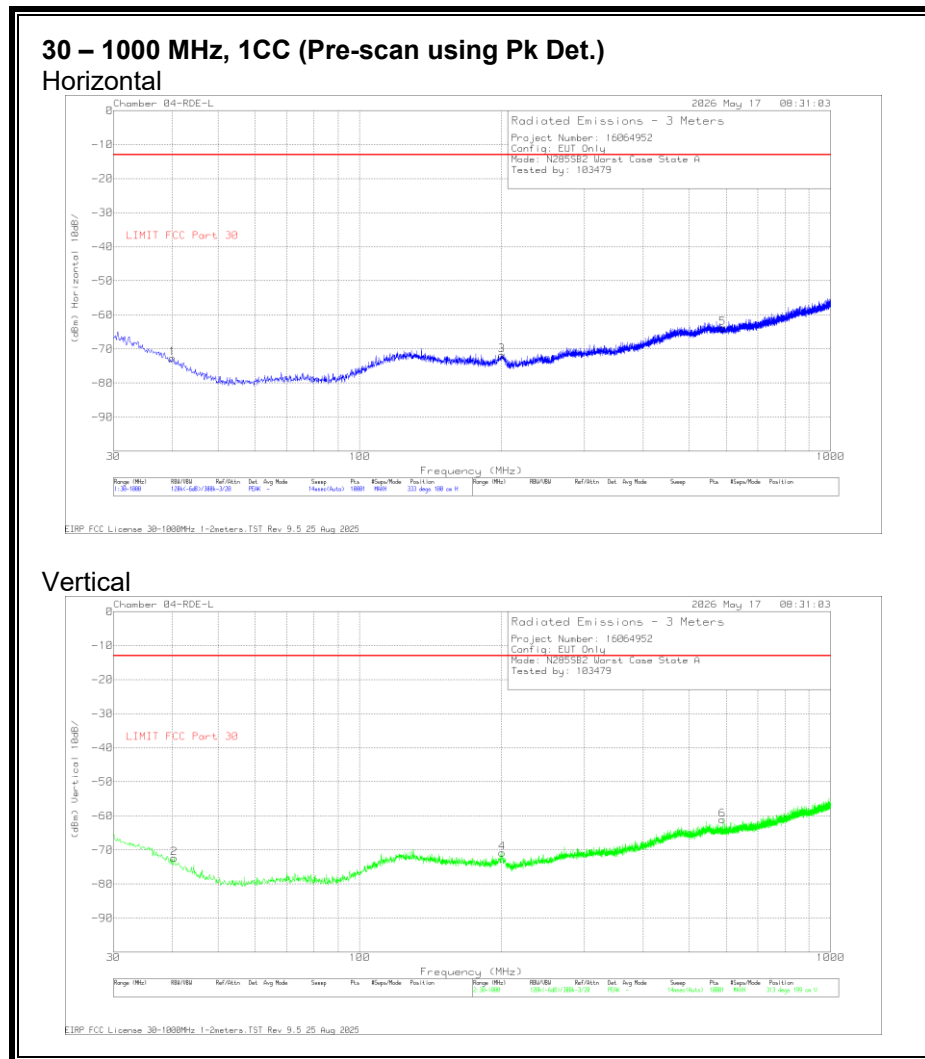
75 - 100 GHz, 1CC (Pre-scan using Pk Det.)

Vertical



No emission detected using Peak Detection.

8.5.21. RSE n258 SB2 30 – 1000 MHz STATE A

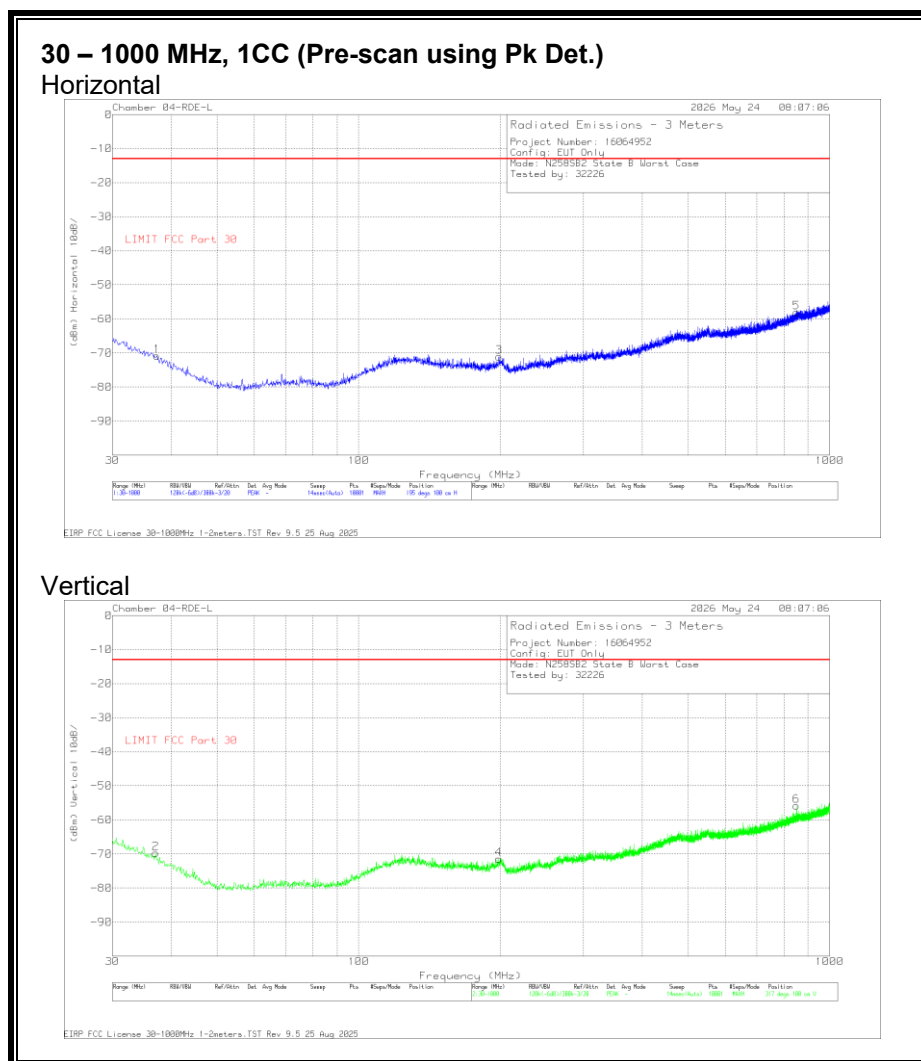


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80293 ACF (dB/m)	Amp/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.088	-72.55	Pk	19.8	-31.7	11.8	-72.65	-13	-59.65	0-360	100	H
2	40.379	-72.00	Pk	19.6	-31.7	11.8	-72.30	-13	-59.30	0-360	100	V
3	200.332	-72.18	Pk	18.8	-30.2	11.8	-71.78	-13	-58.78	0-360	199	H
4	200.623	-71.15	Pk	18.8	-30.2	11.8	-70.75	-13	-57.75	0-360	199	V
5	589.787	-70.72	Pk	24.3	-29.1	11.8	-63.72	-13	-50.72	0-360	199	H
6	589.108	-68.24	Pk	24.3	-28.9	11.8	-61.04	-13	-48.04	0-360	100	V

Pk - Peak detector

8.5.22. RSE n258 SB2 30 – 1000 MHz STATE B

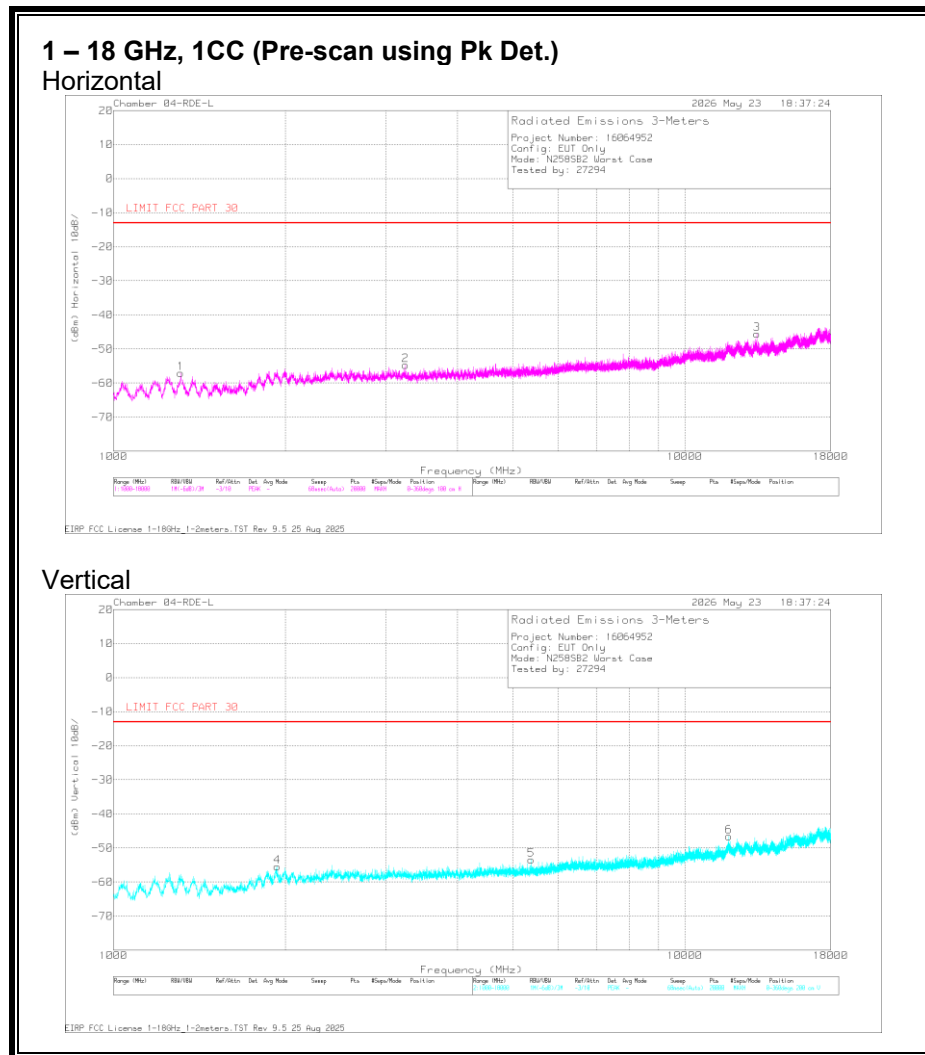


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	80293 ACF (dB/m)	Ampl/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	37.275	-72.81	Pk	21.9	-31.6	11.8	-70.71	-13	-57.71	0-360	100	H
2	37.081	-71.80	Pk	22.0	-31.6	11.8	-69.60	-13	-56.60	0-360	100	V
3	198.489	-70.96	Pk	18.5	-30.3	11.8	-70.96	-13	-57.96	0-360	199	H
4	198.295	-71.49	Pk	18.5	-30.2	11.8	-71.39	-13	-58.39	0-360	199	V
5	850.426	-70.02	Pk	27.6	-27.4	11.8	-58.02	-13	-45.02	0-360	199	H
6	849.650	-67.68	Pk	27.6	-27.4	11.8	-55.68	-13	-42.68	0-360	100	V

Pk - Peak detector

8.5.23. RSE n258 SB2 1 - 18 GHz STATE A

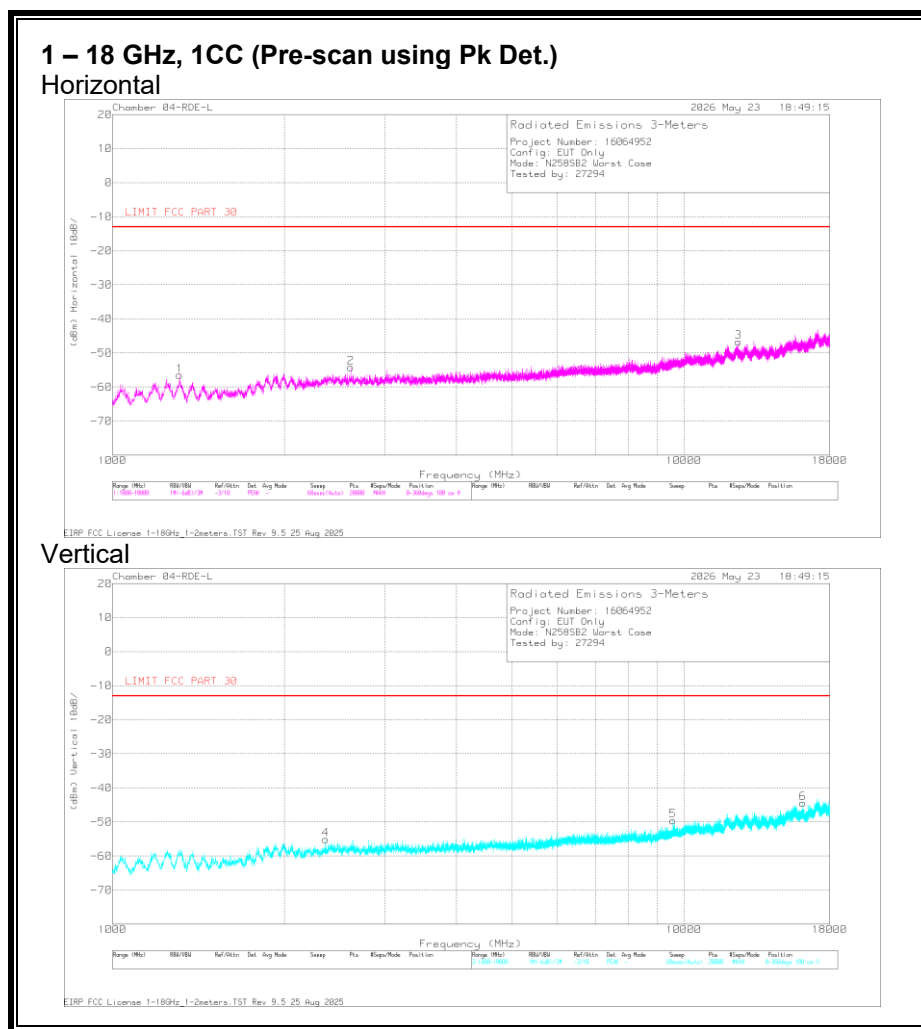


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206807 ACF (dB/m)	Amp/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1311.116	-50.75	Pk	29.3	-47.4	11.8	-57.05	-13	-44.05	0-360	100	H
2	3244.964	-54.31	Pk	32.9	-45.0	11.8	-54.61	-13	-41.61	0-360	199	H
3	13366.426	-55.80	Pk	39.3	-40.8	11.8	-45.50	-13	-32.50	0-360	100	H
4	1936.747	-51.91	Pk	32.0	-47.3	11.8	-55.41	-13	-42.41	0-360	200	V
5	5383.672	-55.59	Pk	34.6	-44.2	11.8	-53.39	-13	-40.39	0-360	100	V
6	11937.503	-55.78	Pk	39.1	-41.6	11.8	-46.48	-13	-33.48	0-360	200	V

Pk - Peak detector

8.5.24. RSE n258 SB2 1 - 18 GHz STATE B



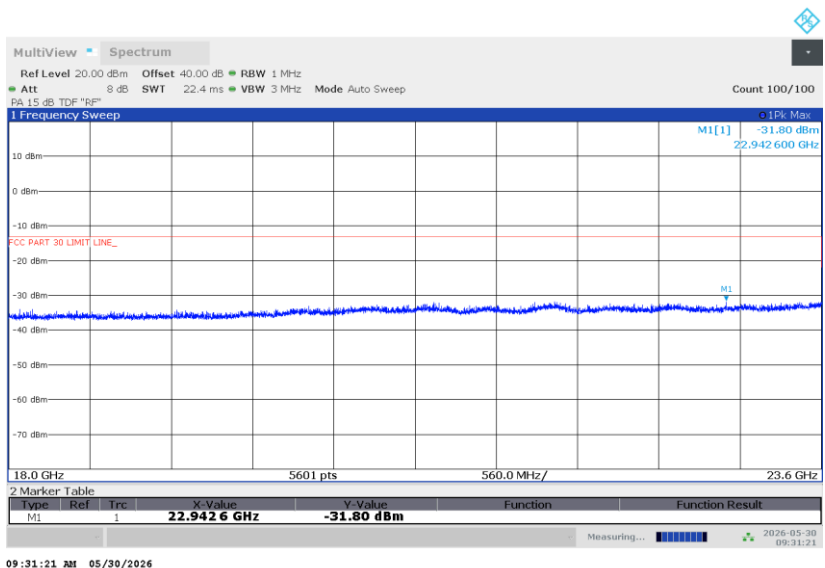
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206807 ACF (dB/m)	Amp/Cbl (dB)	Unit Conversion (dB)	Corrected Reading (dBm)	LIMIT FCC PART 30 (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1311.966	-50.14	Pk	29.3	-47.4	11.8	-56.44	-13	-43.44	0-360	100	H
2	2613.382	-52.15	Pk	32.6	-46.4	11.8	-54.15	-13	-41.15	0-360	199	H
3	12456.03	-56.83	Pk	38.8	-40.4	11.8	-46.63	-13	-33.63	0-360	100	H
4	2360.919	-52.09	Pk	32.4	-47.1	11.8	-54.99	-13	-41.99	0-360	200	V
5	9575.234	-55.84	Pk	36.8	-42.3	11.8	-49.54	-13	-36.54	0-360	100	V
6	16140.966	-57.28	Pk	40.4	-39.3	11.8	-44.38	-13	-31.38	0-360	200	V

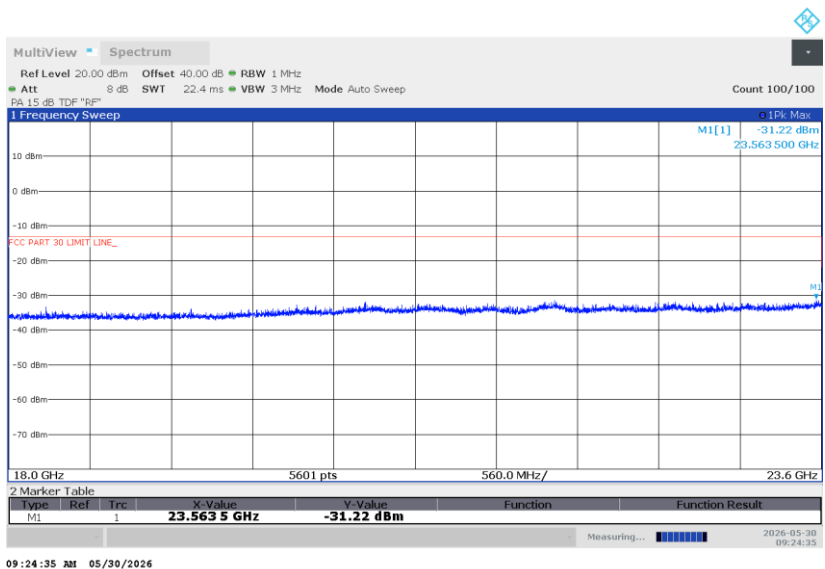
Pk - Peak detector

8.5.25. RSE n258 SB2 18 – 23.6 GHz STATE A

18 – 23.6 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



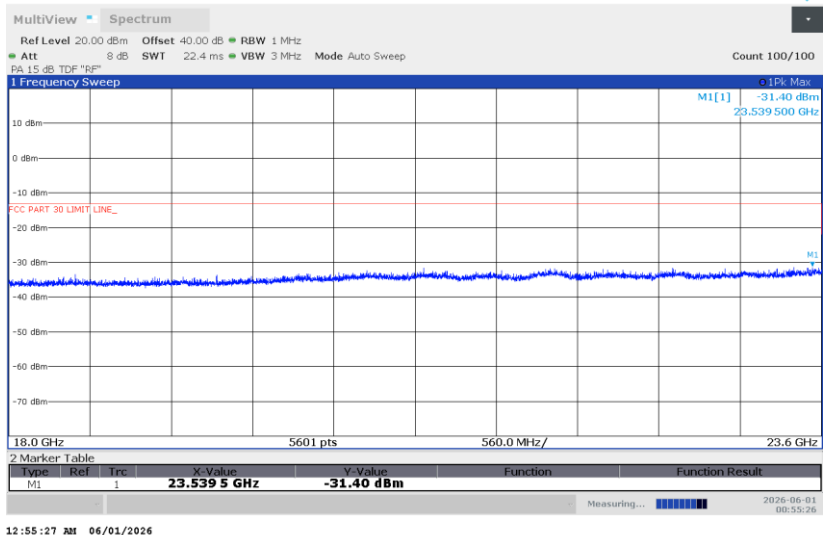
18 – 23.6 GHz, 1CC (Pre-scan using Pk Det.) Vertical



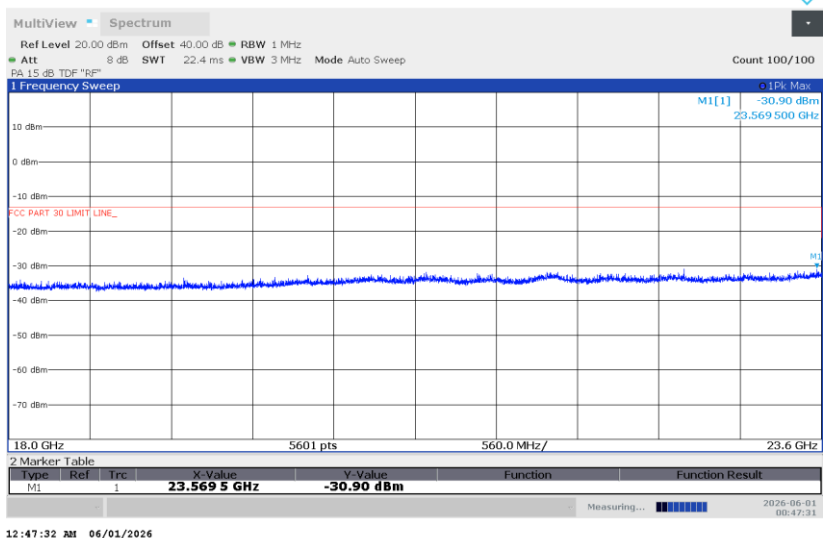
No emission detected using Peak Detection.

8.5.26. RSE n258 SB2 18 – 23.6 GHz STATE B

18 – 23.6 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



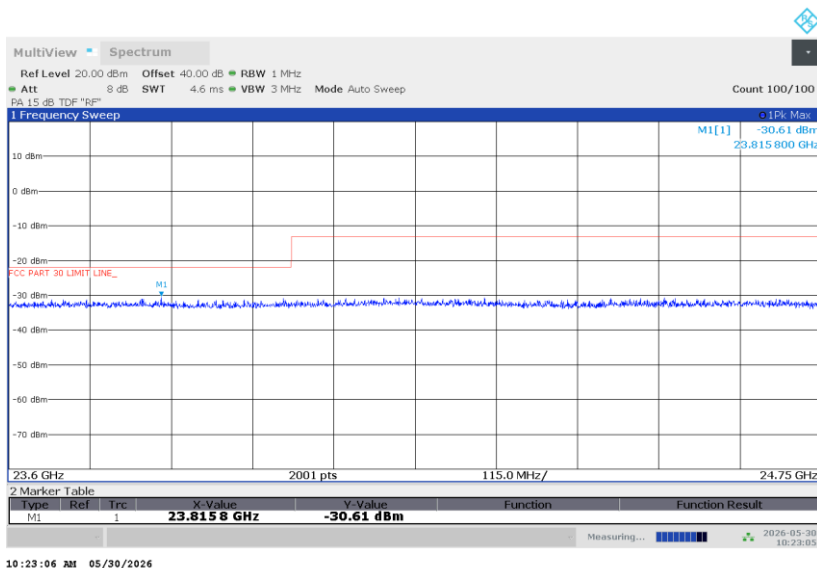
18 – 23.6 GHz, 1CC (Pre-scan using Pk Det.) Vertical



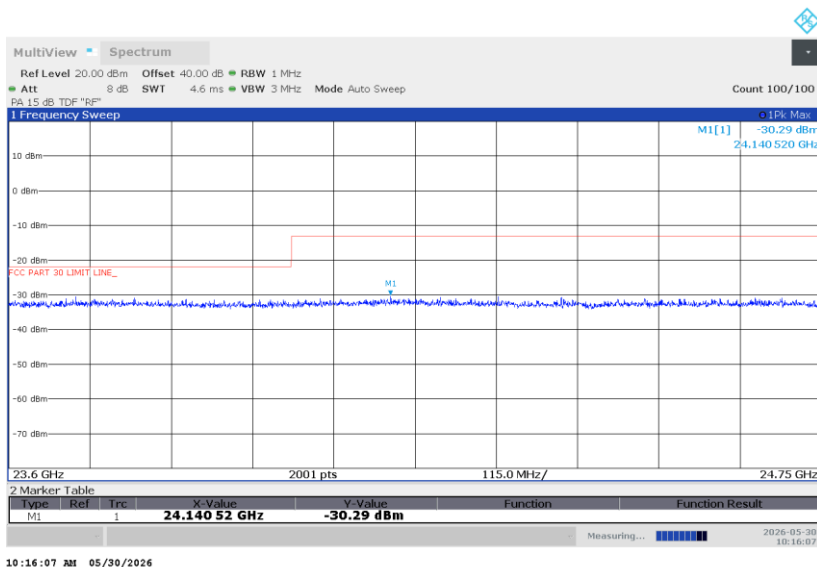
No emission detected using Peak Detection.

8.5.27. RSE n258 SB2 23.6 – 24.75 GHz STATE A

23.6 – 24.75 GHz, 1CC (Pre-scan using Pk Det.) Horizontal

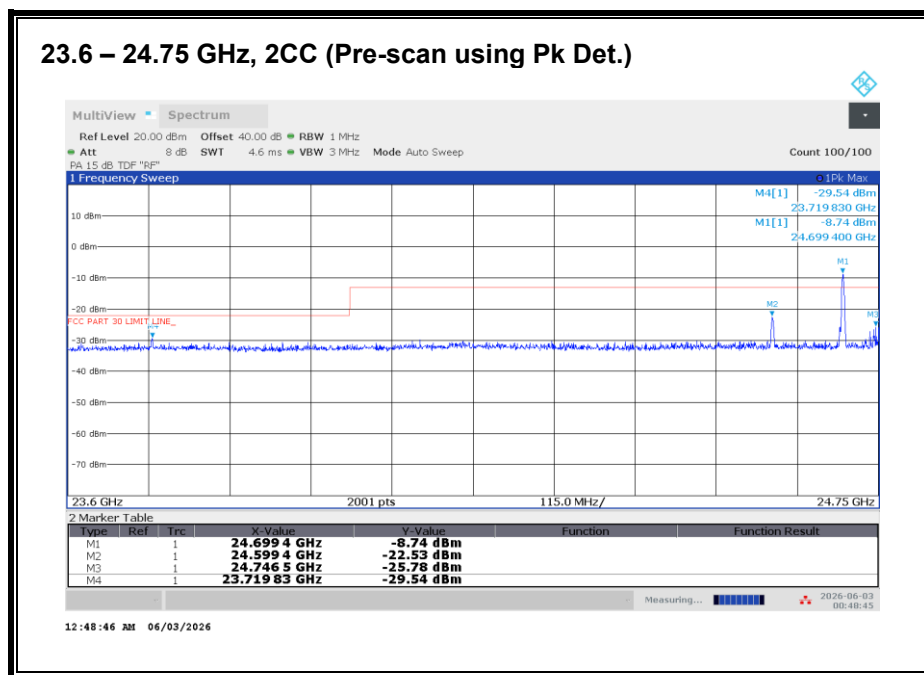


23.6 – 24.75 GHz, 1CC (Pre-scan using Pk Det.) Vertical



No emission detected using Peak Detection.

23.6 – 24.75 GHz n258 SB2, 2CC



Worst case configuration:

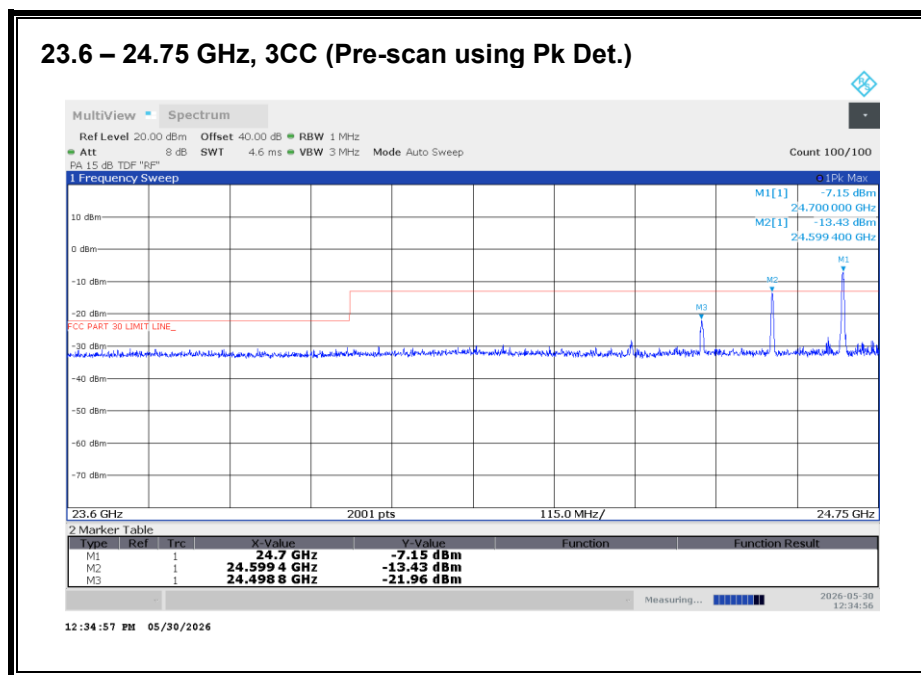
SISO-DUAL_QPSK_(100 MHz + 100 MHz)_Low CH_RB Offset 1/32 (1RB-M)

Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.699	3.3	H	-15.82	-13.00	-2.82

23.6 – 24.75 GHz n258 SB2, 3CC



Worst case configuration:

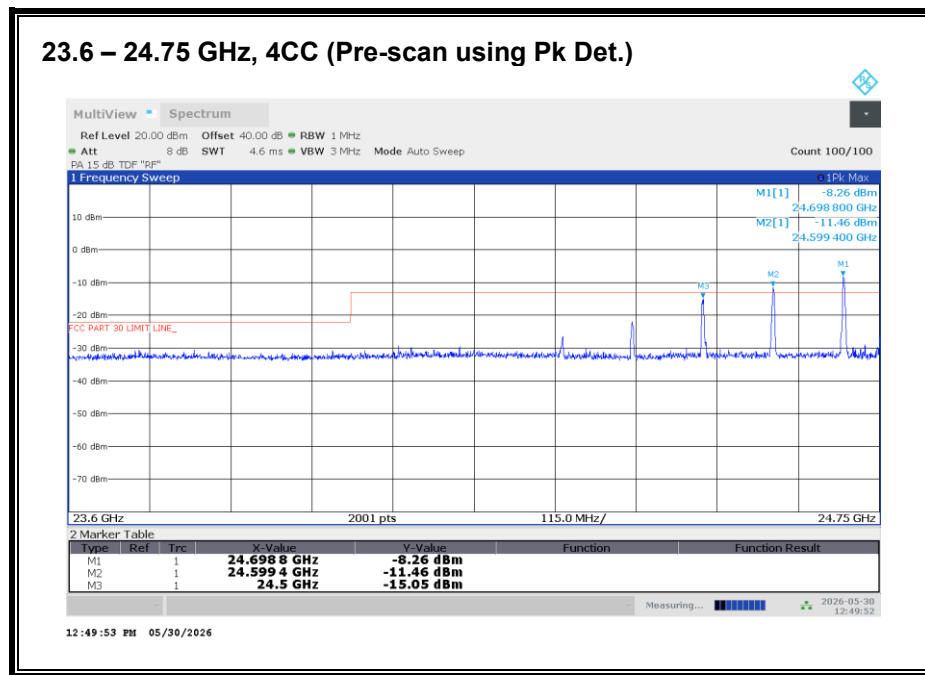
SISO-DUAL_QPSK_(100 MHz + 100 MHz + 100 MHz)_Low CH_RB Offset 1/32 (1RB-M)

Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.699	3.3	H	-14.69	-13.00	-1.69

23.6 – 24.75 GHz n258 SB2, 4CC



Worst case configuration:
SISO-DUAL_QPSK_(100 MHz + 100 MHz + 100 MHz + 100 MHz)_Low CH_RB Offset 1/32 (1RB-M)

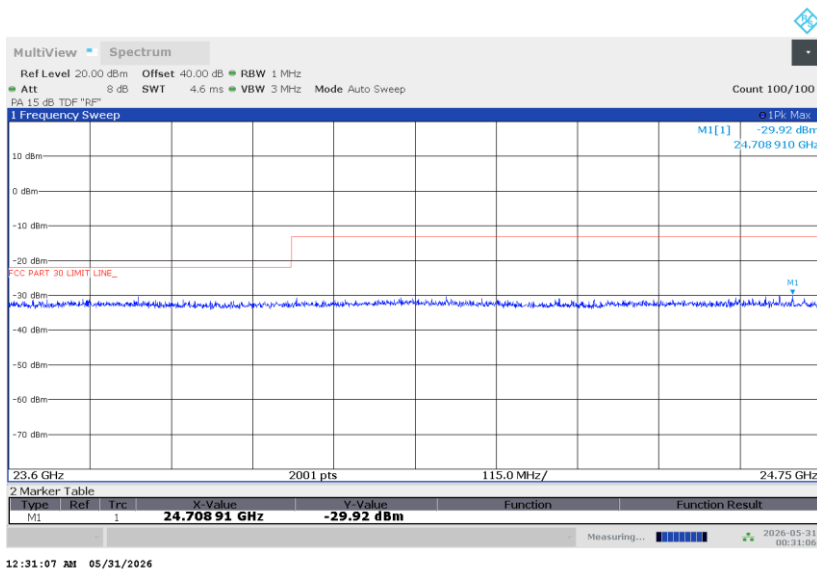
Emissions detected using Peak Detection at pre-scan. Avg EIRP was measured.

All emissions were investigated, and the highest emission was reported.

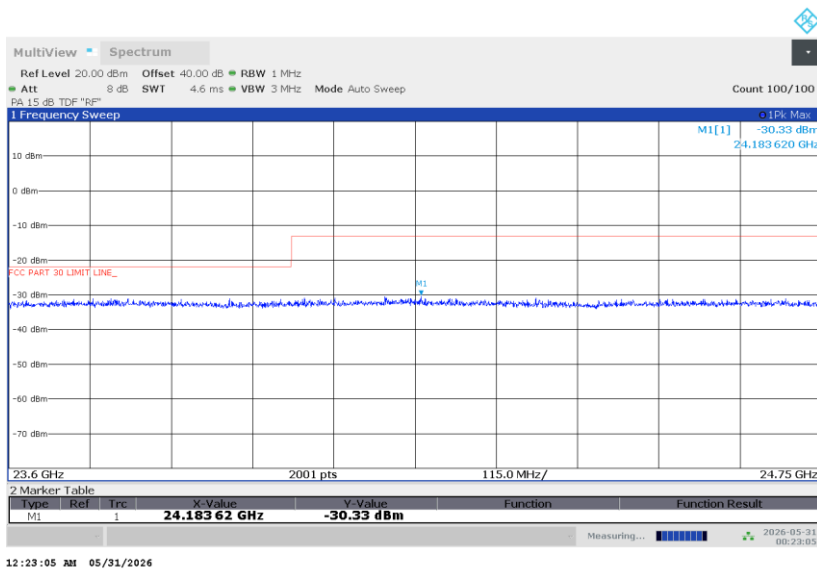
Freq.	Meas. Distance	Rx Ant. Polarity	Corrected Avg EIRP	TRP Limit	Margin
(GHz)	(m)	H/V	(dBm)	(dBm)	(dB)
24.699	3.3	H	-16.16	-13.00	-3.16

8.5.28. RSE n258 SB2 23.6 – 24.75 GHz STATE B

23.6 – 24.75 GHz, 1CC (Pre-scan using Pk Det.) Horizontal



23.6 – 24.75 GHz, 1CC (Pre-scan using Pk Det.) Vertical



No emission detected using Peak Detection.