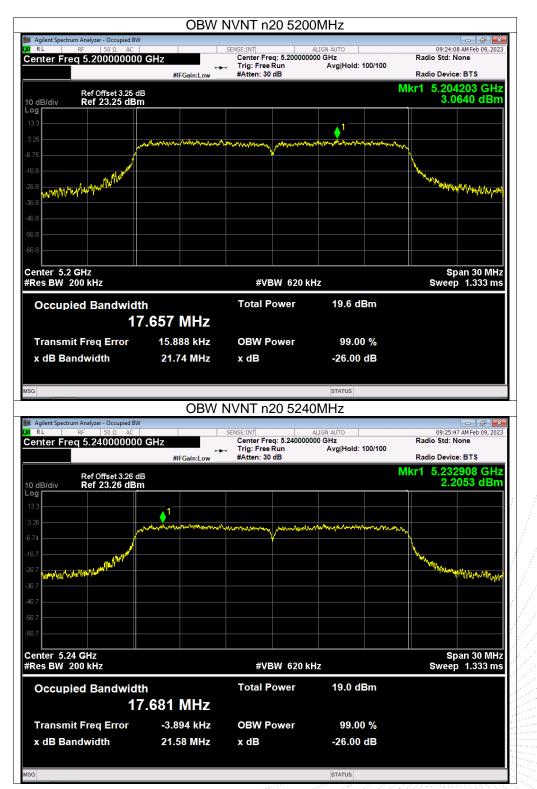


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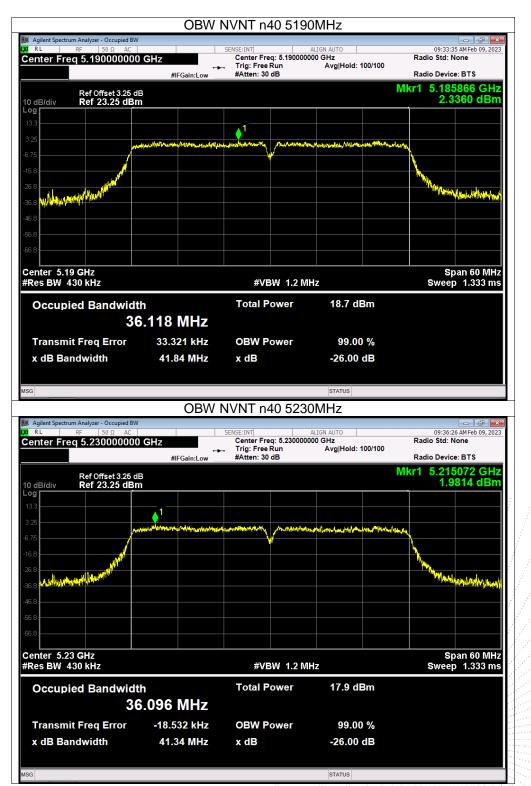




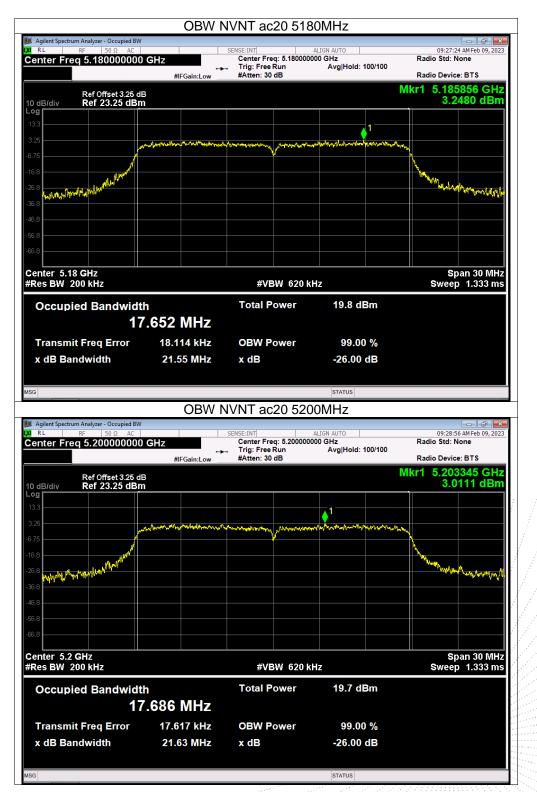




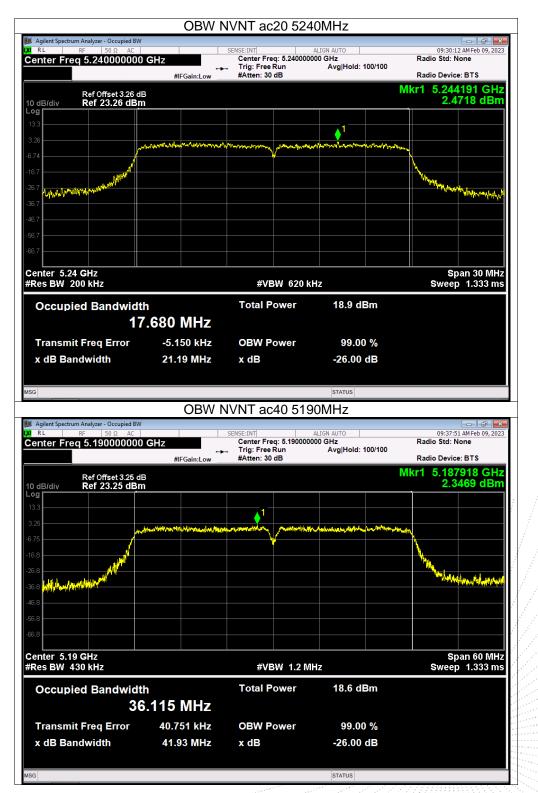






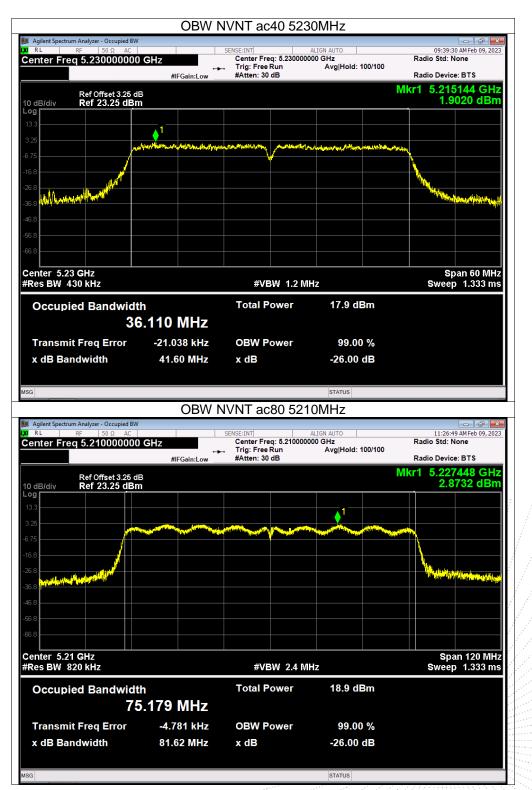






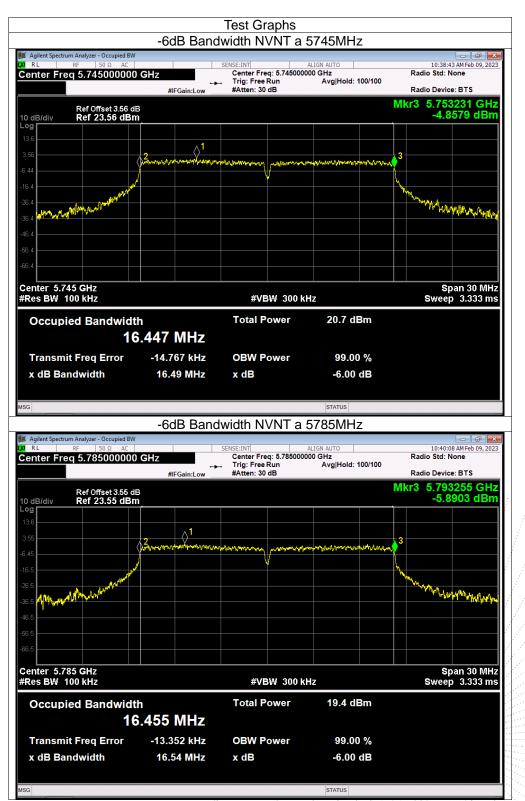












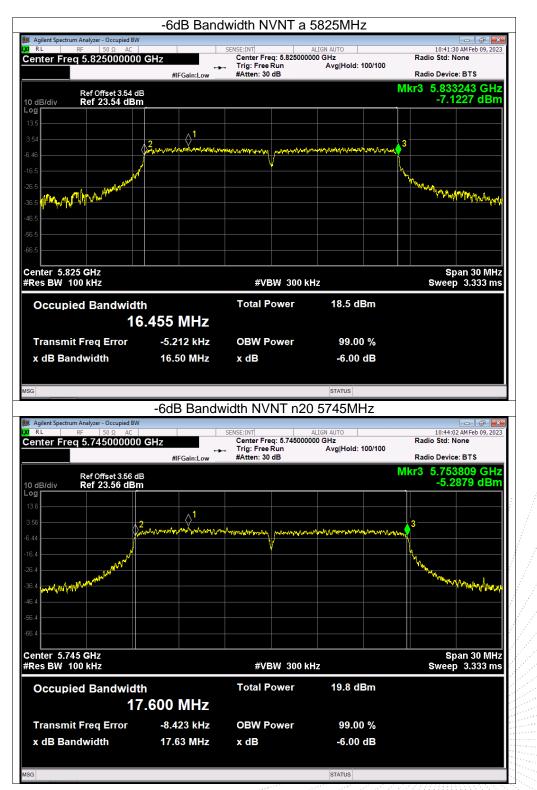


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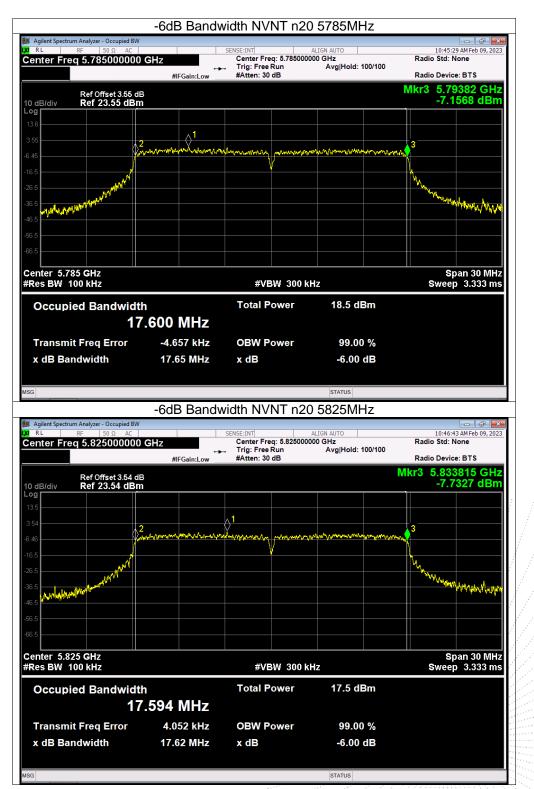






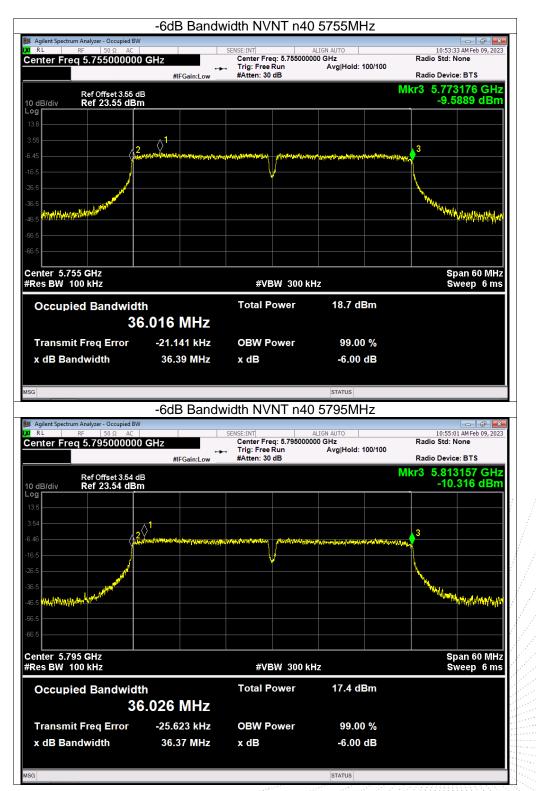






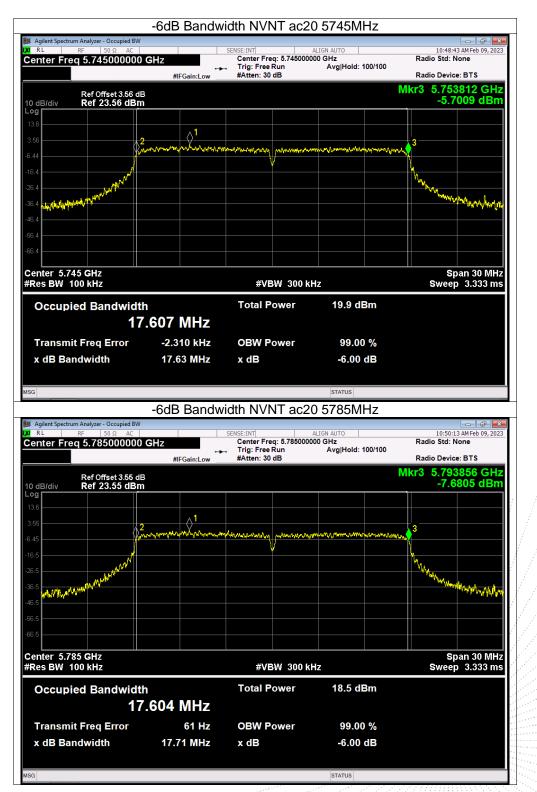






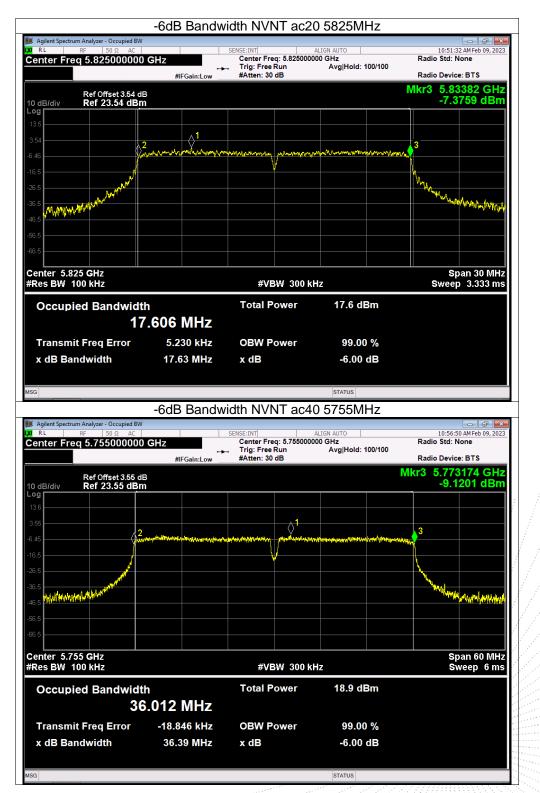
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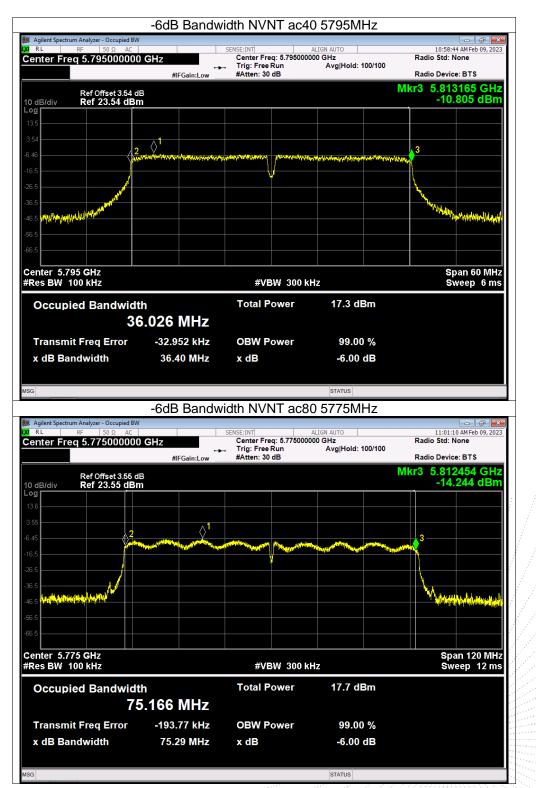








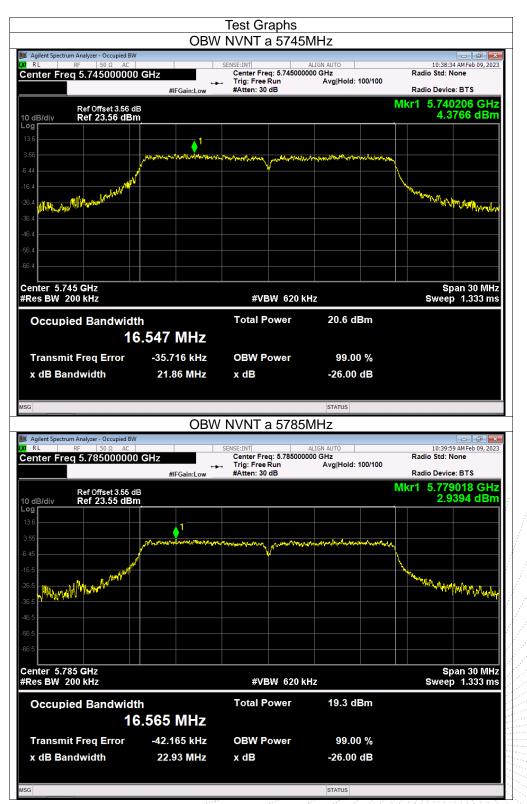








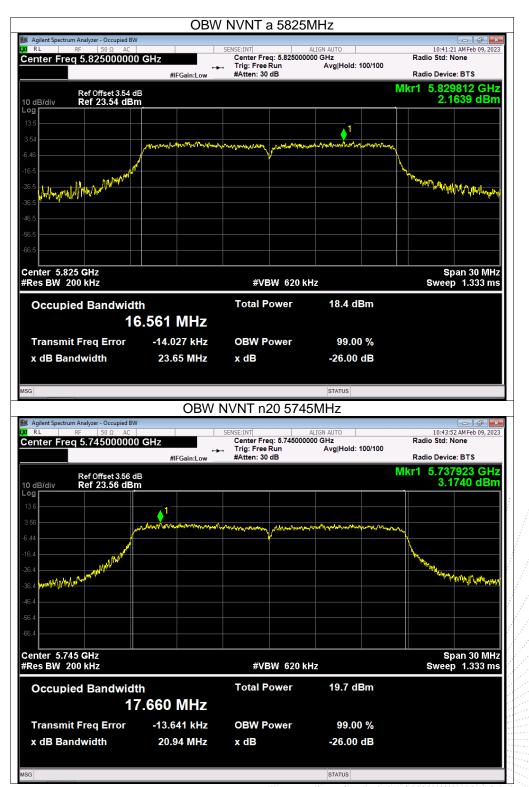






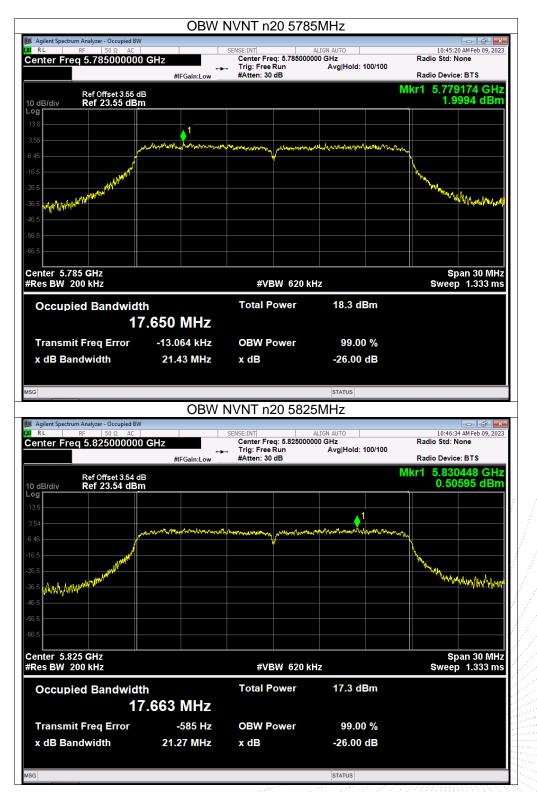




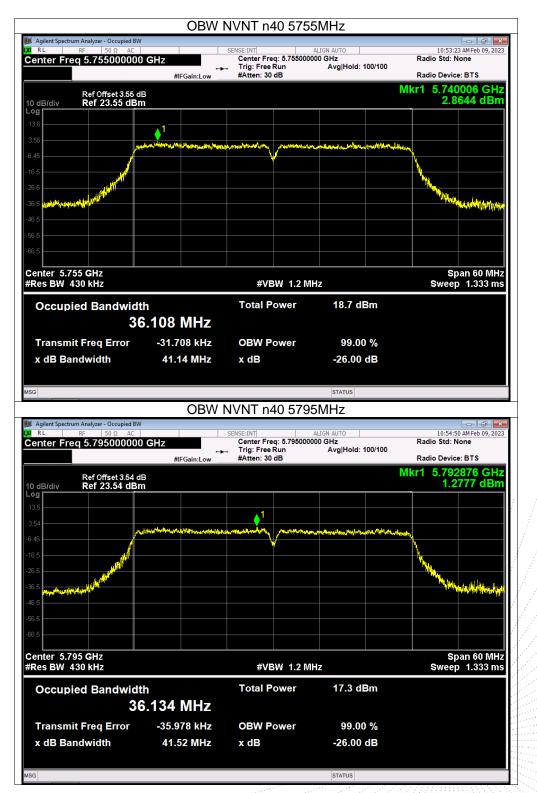






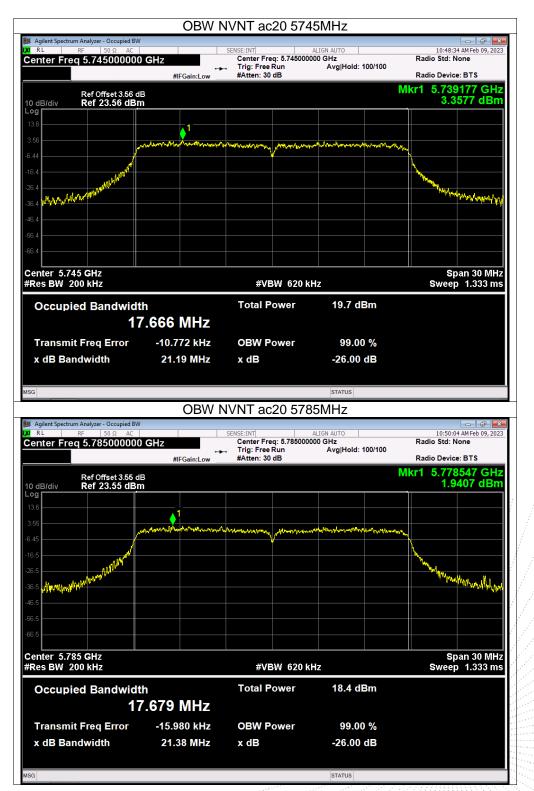






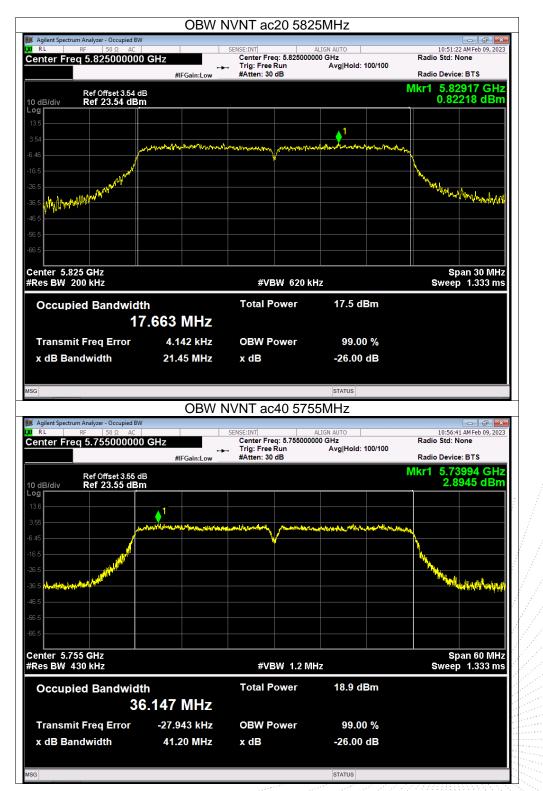








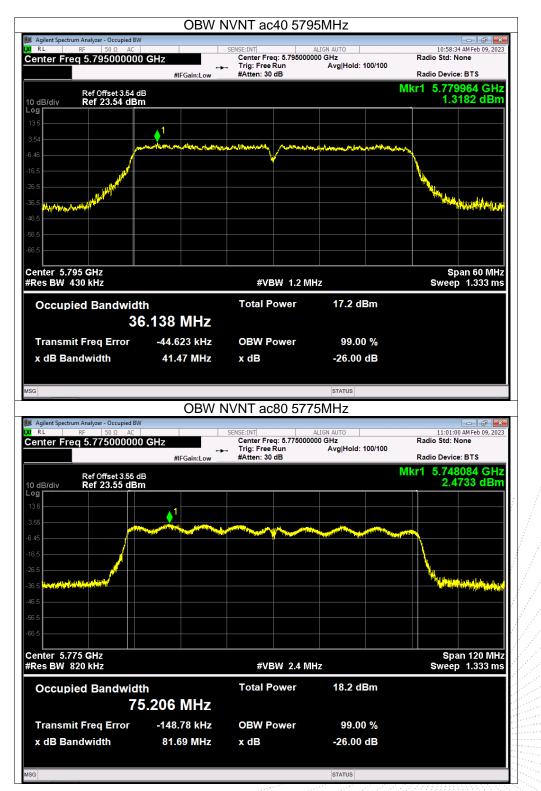


















10. Maximum Conducted Output Power

10.1 Block Diagram Of Test Setup



10.2 Limit

According to FCC §15.407

The maximum conduced output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	1W
5725~5850	1W

10.3 Test procedure

Maximum conducted output power may be measured using a spectrum analyzer/EMI receiver or an RF power meter.

1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.1 However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).

a) The test method shall be selected as follows: (i) Method SA-1 or SA-1 Alternative (averaging with the EUT transmitting at full power throughout each sweep) shall be applied if either of the following conditions can be satisfied:

• The EUT transmits continuously (or with a duty cycle ≥ 98 percent).

• Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the



transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than ± 2 percent.

(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

(iii) Set VBW ≥ 3 MHz.

(iv) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle \geq 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum

10.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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10.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%		
Pressure:	101KPa	Test Voltage:	DC 7.6V		
Test Mode:	(5180-5240MHz); (5745-5825MHz)				

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	а	5180	15.67	24	Pass
NVNT	а	5200	15.74	24	Pass
NVNT	а	5240	15.08	24	Pass
NVNT	n20	5180	14.37	24	Pass
NVNT	n20	5200	14.48	24	Pass
NVNT	n20	5240	13.98	24	Pass
NVNT	n40	5190	13.32	24	Pass
NVNT	n40	5230	12.17	24	Pass
NVNT	ac20	5180	14.55	24	Pass
NVNT	ac20	5200	14.47	24	Pass
NVNT	ac20	5240	13.76	24	Pass
NVNT	ac40	5190	13.14	24	Pass
NVNT	ac40	5230	12.24	24	Pass
NVNT	ac80	5210	12.45	24	Pass

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	а	5745	15.34	30	Pass
NVNT	а	5785	14.13	30	Pass
NVNT	а	5825	13.23	30	Pass
NVNT	n20	5745	14.41	30	Pass
NVNT	n20	5785	13.19	30	Pass
NVNT	n20	5825	12.10	30	Pass
NVNT	n40	5755	13.32	30	Pass
NVNT	n40	5795	11.88	30	Pass
NVNT	ac20	5745	14.63	30	Pass
NVNT	ac20	5785	13.21	30	Pass
NVNT	ac20	5825	12.32	30	Pass
NVNT	ac40	5755	13.57	30	Pass
NVNT	ac40	5795	11.85	30	Pass
NVNT	ac80	5775	12.14	30	Pass



11. Out Of Band Emissions

11.1 Block Diagram Of Test Setup



11.2 Limit

According to FCC §15.407(b)

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits: (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

11.3 Test procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured

frequency within its operating range, and make sure the instrument is operated in its linear range. 3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

5. Repeat above procedures until all measured frequencies were complete.

11.4 EUT operating Conditions

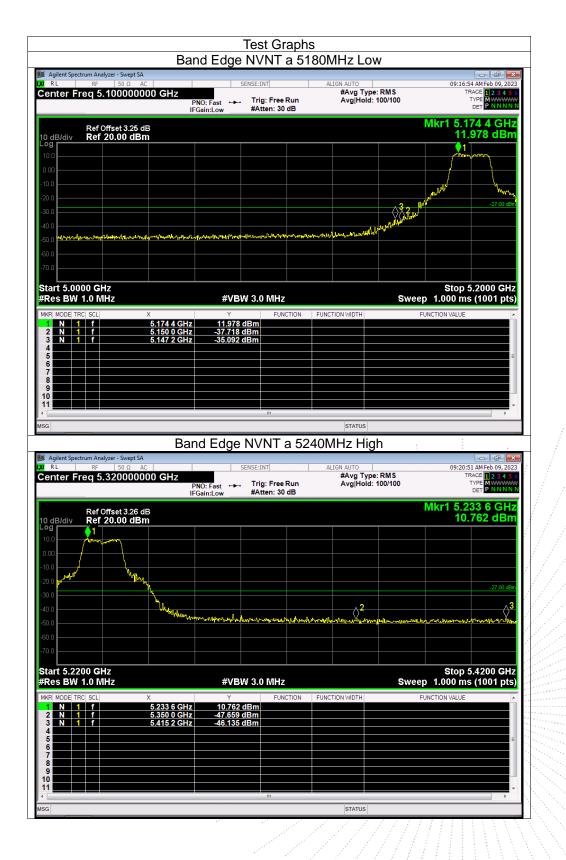
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data

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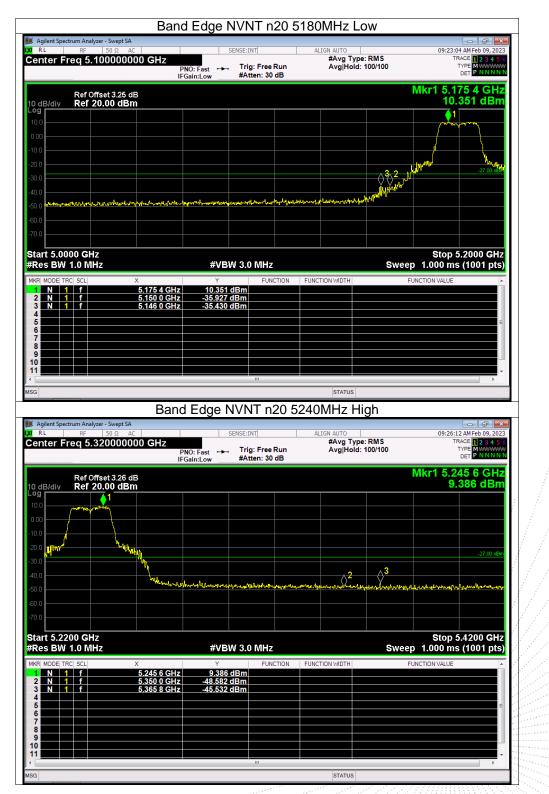
11.5 Test Result





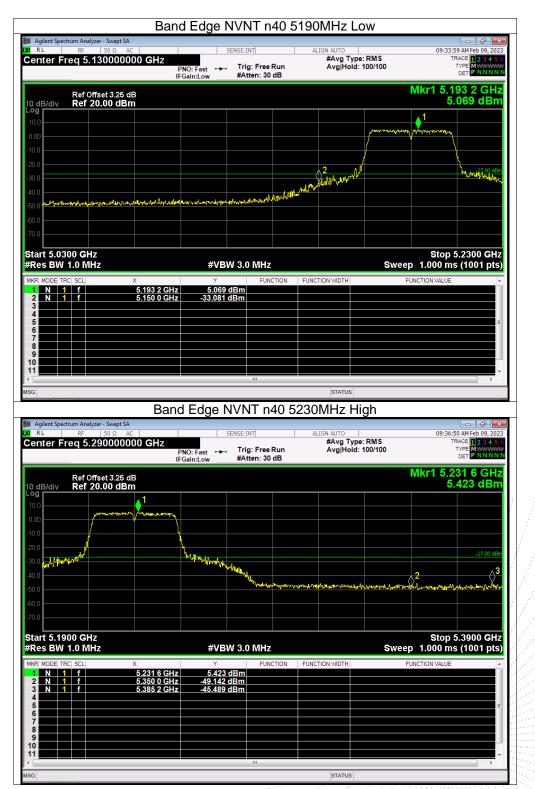










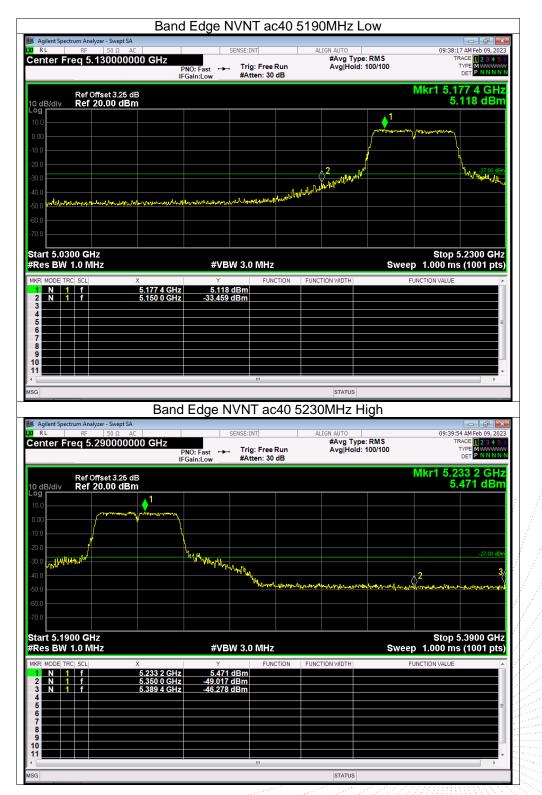






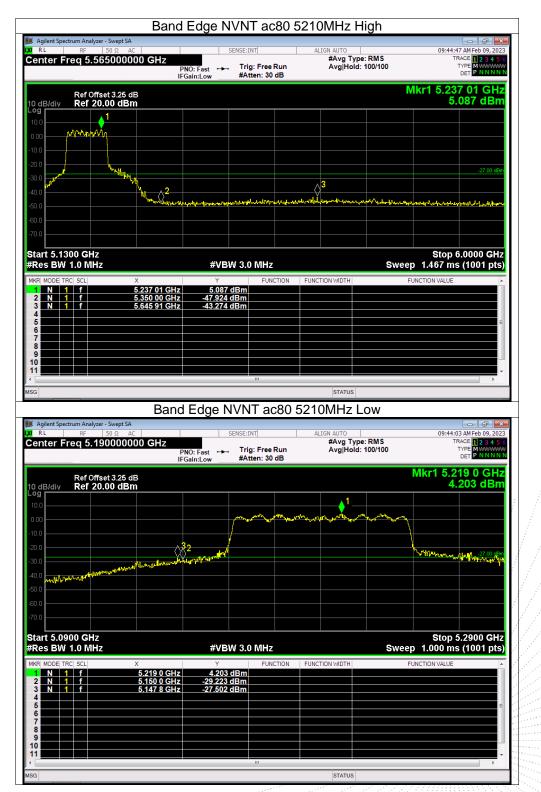
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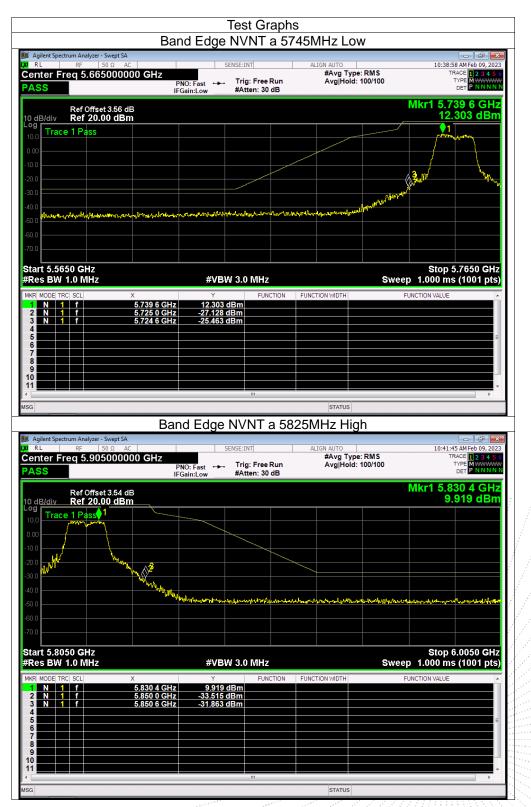








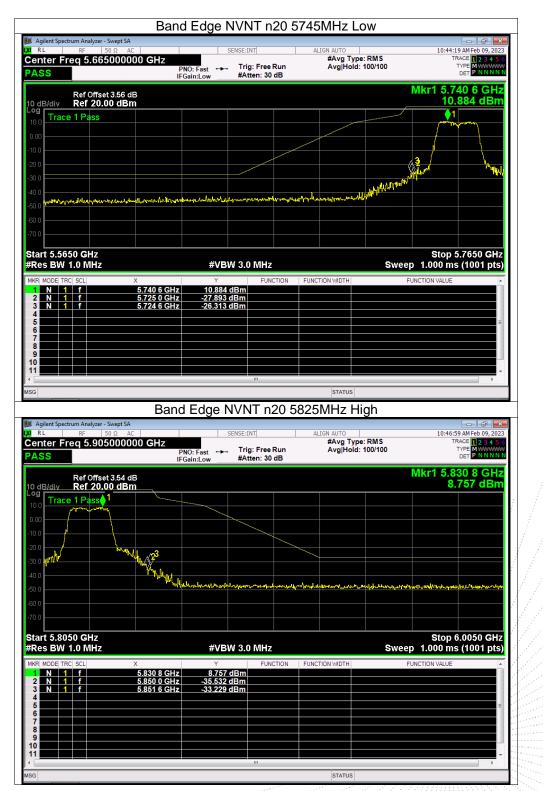












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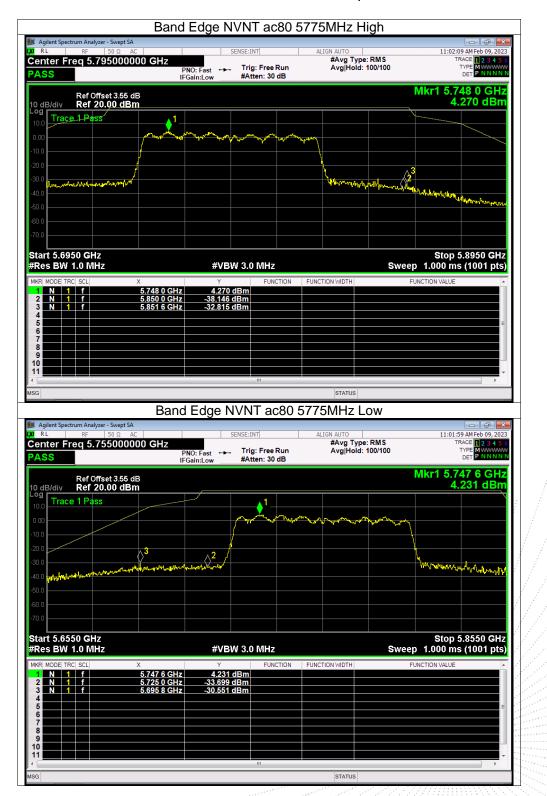
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12. Spurious RF Conducted Emissions

12.1 Block Diagram Of Test Setup



12.2 Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits: (1)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2)For transmitters operating in the 5.725-5.85 GHz band(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at 5 MHz above or below the band edge.

12.3 Test procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

 Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the

graph with marking the highest point and edge frequency.5. Repeat above procedures until all measured frequencies were complete.

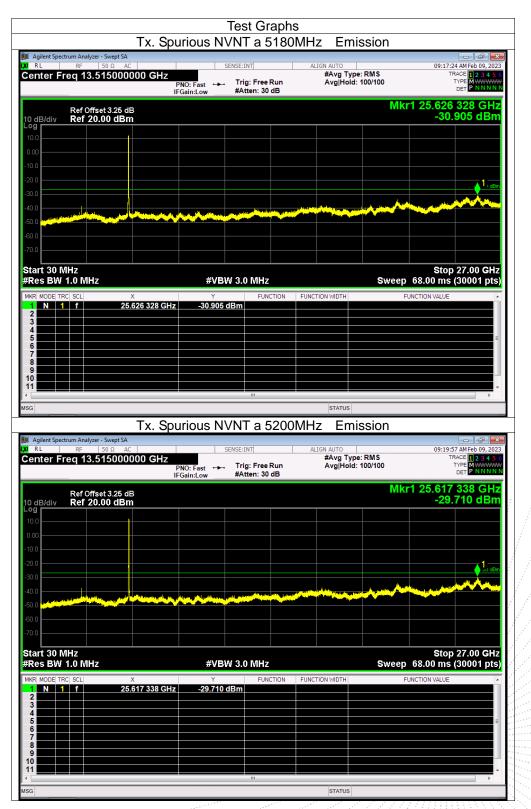
12.4 Test Result

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

About:26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot. JC JC PR







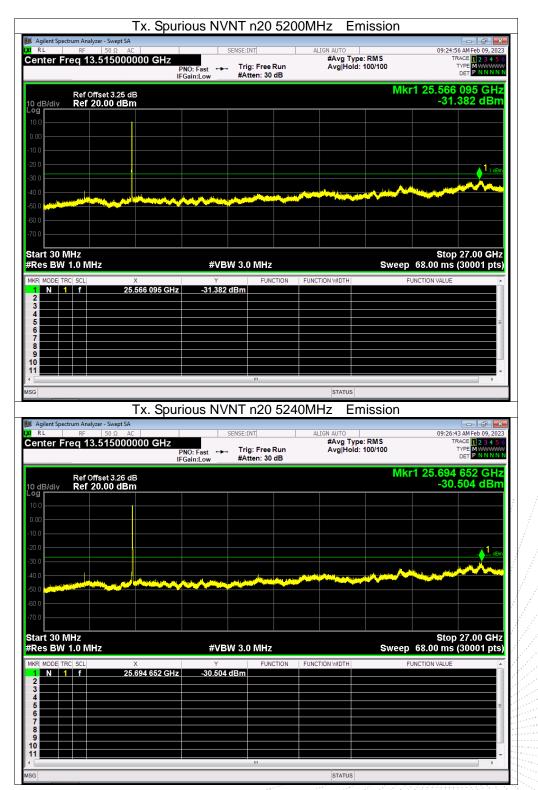


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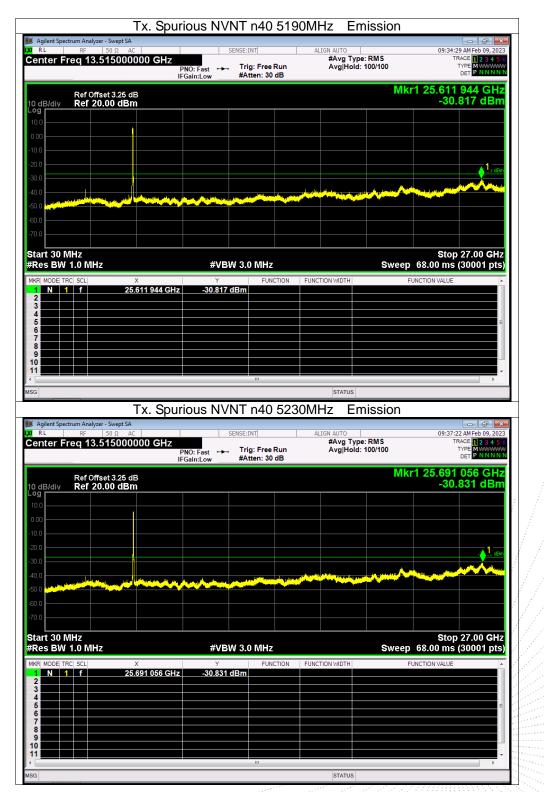
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	PN	O:Fast ↔→→ ain:Low	Trig: Free Run #Atten: 30 dB	Avg Hole	d: 100/100		
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Agilent Spectrum Analyzer - Swep RL RF 50 Ω nter Freq 13.51500 Ref Offset 3.2	AC AC 00000 GHz PN IFG 5 dB	SEN: O: Fast ↔	SE:INT	BOMHZ E ALIGN AUTO #Avg Ty	pe: RMS d: 100/100	r1 25.645	0 AM Feb 09, 202 ACE 2 3 4 5 OPPE NNNN DET NNNN
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Agilent Spectrum Analyzer - Swept RL RE 50 Ω nter Freq 13.5150 B/div Ref 0ffset 3.2: dB/div Ref 20.00 d 0 0 0 0 0 0 0 0 0 0 0 0 0	tSA AC 000000 GHz PN IFG 5 dB IBm	O: Fast ain:Low →	SE:INT Trig: Free Run #Atten: 30 dB 3.0 MHz FUNCTION	BOMHz E	pe: RMS d: 100/100	r1 25.645 -29.	27.00 GHz
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Agilent Spectrum Analyzer - Swept RL RE 50 Ω nter Freq 13.5150 Ref Offset 3.2: dB/div Ref 20.00 d 0 0 0 0 0 0 0 0 0 0 0 0 0	tsA AC 000000 GHz PN IFG 5 dB IBm	O; Fast ↔	SE:INT Trig: Free Run #Atten: 30 dB 3.0 MHz FUNCTION	BOMHz E	pe: RMS d: 100/100	r1 25.645 -29.	27.00 GHz





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RL RF 50	Ω AC	SENSE:I	NT	ALIGN AUTO		09:28:2	0 AM Feb 09, 2023
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Agilent Spectrum Analyzer - Sv R L RF 50	wept SA Ω AC 5000000 GHz Pt	SENSE:I		DOMHZ E	e: RMS : 100/100	TF	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 TYPE MWWWWW DET PNNNN
Agilent Spectrum Analyzer - Sv RL RF 50 Inter Freq 13.515 Ref Offset 3	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sv RL RF So nter Freq 13.513 Ref Offset dB/div Ref 20.00	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 TYPE MWWWWW DET PNNNN
Agilent Spectrum Analyzer - Sv RL RF 50 Inter Freq 13.515 Ref Offset 3 dB/div Ref 20.00	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sv RL RF 50 Inter Freq 13.515 Ref Offset 3 dB/div Ref 20.00	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sv RL RF S0 Inter Freq 13.51 Ref Offset dB/div Ref 20.00	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sv RL RF S0 Inter Freq 13.515 GB/div Ref Offset GB/div Ref 20.00 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sv RL RF S0 Inter Freq 13.51 Block Ref Offset Block Ref 20.00	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Six RL RF 50 Inter Freq 13.51 Ref Offset 3 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Six RL RF 50 Inter Freq 13.51 Ref Offset 3 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Six RL RF 50 Inter Freq 13.515 Ref Offset 3 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
Agilent Spectrum Analyzer - Sk RL RF 50 Inter Freq 13.513 Bellow Ref 0ffset dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	nt g: Free Run	DOMHZ E	e: RMS : 100/100	1 25.682 -30.	3 AMFED 09, 2023 AMFED 09, 2023 TYPE MARKED 23 4 5 6 TYPE MARKED 23 4 5 6 PARENT PARENT 965 GHz 660 dBm
Agilent Spectrum Analyzer - Six RL RF 50 Inter Freq 13.515 Ref Offset 3 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Ω AC 5000000 GHz Pt IFC 3.25 dB	SENSE:I NO: Fast ↔ Tri	g: Free Run tten: 30 dB	DOMHZ E	e: RMS 100/100 MKT	1 25.682 -30.	3 AM Feb 09, 2023 RACE 1 2 3 4 5 6 MWWWWW DET PNNNNN 965 GHz
RL RF 50 nter Freq 13.515 Ref Offset3 Ref 20.00 B/div Ref 20.00 Ref 20.00 Image: Strate Str	x AC Provide the second	SENSE: NO: Fast + Trip Gain:Low + Aft Aft Aft Aft Aft Aft Aft Aft	g: Free Run tten: 30 dB	DOMHZ E	e: RMS 100/100 MKT	1 25.682 -30.	3 AMFED 09, 2023 RACE 12 2 3 4 5 6 TYPE MININA 965 GHz 660 dBm
RL RF 50 nter Freq 13.515 Ref Offset3 Ref 20.00 B/div Ref 20.00 Ref 20.00 Image: Strate Str	AC P 5000000 GHz P IFC IFC 3.25 dB D D dBm IFC	NO: Fast →→ Trip Gain:Low → #At	nt] g: Free Run tten: 30 dB	ALIGN AUTO #Avg Typ Avg Hold	e: RMS 100/100 MKT	TF 1 25.682 -30. Stop 68.00 ms	3 AMFED 09, 2023 RACE 12 2 3 4 5 6 TYPE MININA 965 GHz 660 dBm
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Agilent Spectrum Analyzer - Six RL RF 50 Inter Freq 13.515 Berley Ref Offset 3 Berley Ref 20.00 Berley Ref 20.00 B	x AC Provide the second	SENSE: NO: Fast + Trip Gain:Low + Aft Aft Aft Aft Aft Aft Aft Aft	nt] g: Free Run tten: 30 dB	ALIGN AUTO #Avg Typ Avg Hold	e: RMS 100/100 MKT	TF 1 25.682 -30. Stop 68.00 ms	3 AMFED 09, 2023 RACE 12 2 3 4 5 6 TYPE MININA 965 GHz 660 dBm
Ref Offset 3 dB/div Ref 20.00 G G G G G G G G G G G G G	x AC Provide the second	SENSE: NO: Fast + Trip Gain:Low + Aft Aft Aft Aft Aft Aft Aft Aft	nt] g: Free Run tten: 30 dB	ALIGN AUTO #Avg Typ Avg Hold	e: RMS 100/100 MKT	TF 1 25.682 -30. Stop 68.00 ms	3 AMFED 09, 2023 RACE 12 2 3 4 5 6 TYPE MININAN 965 GHz 660 dBm





RL RF 50 Ω AC	SENSE:INT	ALIGN AUTO	09:31:09 AM Feb 09, 2023
enter Freq 13.51500000) GHz	#Avg Type: RMS	TRACE 1 2 3 4 5 6
	PNO: Fast ↔ Trig: Free R IFGain:Low #Atten: 30 c		TYPE M WWWW DET P N N N N N
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Res BW 1.0 MHz	#VBW 3.0 MHz	Sw	eep 68.00 ms (30001 pts)
Image: N 1 f 25.636	217 GHz -30.804 dBm	TION FUNCTION WIDTH	FUNCTION VALUE
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	Spurious NVNT ac40		'n
Agilent Spectrum Analyzer - Swept SA	Spurious NVNT ac40	5190MHz Emissio	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	GHz	5190MHz Emissio	09:38:47 AM Feb 09, 2023
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	SENSE:INT	5190MHz Emissic	
Tx. Agilent Spectrum Analyzer - Swept So RL RF 150 Q AC Inter Freq 13.515000000) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 2 4 5 6 TVPE D DET P NNNN
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Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50.2 AC enter Freq 13.515000000 Ref Offset 3.25 dB Ref 20.00 dBm gB/div Ref 20.00 dBm Ref 20.00 dBm) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 502 AC enter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 502 AC enter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 13.515000000 Ref Offset 3.25 dB B dB/div Ref 20.00 dBm Image: Color of the set of the) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
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Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 13.515000000 Ref Offset 3.25 dB B dB/div Ref 20.00 dBm B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0) GHZ PNO: Fast →→ Trig: Free R	5190MHz Emissic ALIGN AUTO #Avg Type: RMS Avg Hold: 100/100 #B	09:38:47 AM Feb 09, 2023 TRACE 1 2 3 4 5 6 TYPE DET NNNNN Mkr1 25.662 288 GHz
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Ponter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm	OGHZ PNO: Fast IFGain:Low → Trig: Free R #Atten: 30 c	5190MHz Emissic	09:38:47 AM Feb 09,2023 TRACE 12:34 5:6 TYPE MWWWWW DET PNNNNN Mkr1 25.662 288 GHz -30.899 dBm
Tx. Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm and 10 db and 10 db	BHZ PNO: Fast IFGain:Low → Trig: Free R #Atten: 30 c	5190MHz Emissic	0933847 AM Feb 09,2023 TRACE 12,34 5 6 TYPE MWWWWW DET PMMMMM Mkr1 25.662 288 GHz -30.899 dBm 1 den 1 den 5 top 27.00 GHz eep 68.00 ms (30001 pts)
Tx. Agilent Spectrum Analyzer - Swept SA RL RF S0 Ω AC enter Freq 13.5150000000 Ref Offset 3.25 dB GB/div Ref Offset 3.25 dB GB/div Ref Offset 3.25 dB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td>OGHZ PNO: Fast IFGain:Low → Trig: Free R #Atten: 30 c</td><td>5190MHz Emissic</td><td>09:38:47 AM Feb 09,2023 TRACE 12:34 5:6 TYPE MWWWWW DET PNNNNN Mkr1 25.662 288 GHz -30.899 dBm</td></t<>	OGHZ PNO: Fast IFGain:Low → Trig: Free R #Atten: 30 c	5190MHz Emissic	09:38:47 AM Feb 09,2023 TRACE 12:34 5:6 TYPE MWWWWW DET PNNNNN Mkr1 25.662 288 GHz -30.899 dBm
Tx. Agilent Spectrum Analyzer - Swept SA REF 50 Ω AC Son C Ref Offset 3.25 dB dB/div Ref 20.00 dBm art 30 MHz R R MODEL TRC SCL X N 1 f N 1 f	GHZ PNO: Fast IFGain:Low #Atten: 30 c #Atten: 30 c #Atten: 40 c #A	5190MHz Emissic	0933847 AM Feb 09,2023 TRACE 12,34 5 6 TYPE MWWWWW DET PMMMMM Mkr1 25.662 288 GHz -30.899 dBm 1 den 1 den 5 top 27.00 GHz eep 68.00 ms (30001 pts)
Tx. Agilent Spectrum Analyzer - Swept SA RL RF SO2 Ac conter Freq 13.515000000 Ref Offset 3.25 dB dB/div Ref 20.00 dBm 9	GHZ PNO: Fast IFGain:Low #Atten: 30 c #Atten: 30 c #Atten: 40 c #A	5190MHz Emissic	0933847 AM Feb 09,2023 TRACE 12,34 5 6 TYPE MWWWWW DET PMMMMM Mkr1 25.662 288 GHz -30.899 dBm 1 den 1 den 5 top 27.00 GHz eep 68.00 ms (30001 pts)
Tx. Agilent Spectrum Analyzer - Swept SA RL RF Sign Ac enter Freq 13.515000000 dB/div Ref Offset 3.25 dB dB/div Ref 20.00 dBm 9	GHZ PNO: Fast IFGain:Low #Atten: 30 c #Atten: 30 c #Atten: 40 c #A	5190MHz Emissic	0933847 AM Feb 09,2023 TRACE 12,34 5 6 TYPE MWWWWW DET PMMMMM Mkr1 25.662 288 GHz -30.899 dBm 1 den 1 den 5 top 27.00 GHz eep 68.00 ms (30001 pts)
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 13.5150000000 Ref Offset 3.25 dB Ref 20.00 dBm 9 0 0 0 0 0 0 0 0 0 0 0 0 0	GHZ PNO: Fast IFGain:Low #Atten: 30 c #Atten: 30 c #Atten: 40 c #A	5190MHz Emissic	0933847 AM Feb 09,2023 TRACE 12,34 5 6 TYPE MWWWWW DET PMMMMM Mkr1 25.662 288 GHz -30.899 dBm 1 den 1 den 5 top 27.00 GHz eep 68.00 ms (30001 pts)





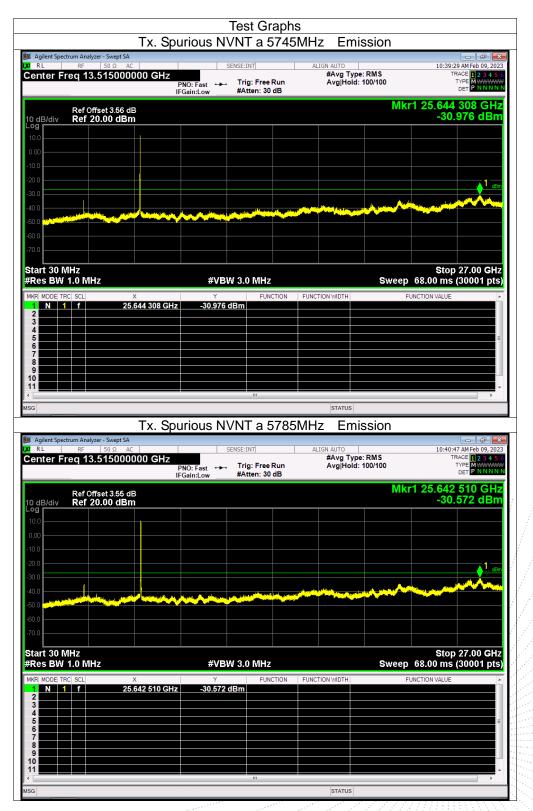


L RF 50 Ω	AC AC	SENSE:INT	ALIGN AUTO		09:40:25 AM Feb	
nter Freq 13.5150	00000 GHz	T-i F	#Avg	Type: RMS old: 100/100	TRACE 1 2	3456
	PN0 IFGa):Fast ↔ Trig:Free in:Low #Atten:3			DET PN	NNNN
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rt 30 MHz es BW 1.0 MHz		#VBW 3.0 MH	7	Sween	Stop 27.00 68.00 ms (3000	
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	Tx Spurio	us NVNT ac8				
	it SA	us NVNT ac8	0 5210MHz	Emission		
L RF 50 Ω	AC	SENSE:INT	0 5210MHz Align Auto #Avg	Emission Type: RMS	09:43:51 AM Feb	09,2023 3456
L RF 50 Ω	AC		0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission		09,2023 3456
nter Freq 13.5150	AC AC OOOOOO GHZ PNO IFGa	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 AM Feb (TRACE 1 2 TYPE M W DET P N	09,2023 3 4 5 6 WWWW NNNN
L RF 50 Ω hter Freq 13.5150 Ref Offset 3.2 IB/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 AM Feb (TRACE 1 2 TYPE MW DET P N	09,2023 3 4 5 6 WWWW NNNN
Ref Offset 3.2 B/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 AM Feb (TRACE 1 2 TYPE M W DET P N	09,2023 3 4 5 6 WWWW NNNN
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Ref Offset 32 B/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 AM Feb (TRACE 1 2 TYPE M W DET P N	09,2023 3 4 5 6 WWWW NNNN
Ref Offset 3.2 B/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 AM Feb (TRACE 1 2 TYPE M W DET P N	09,2023 3 4 5 6 WWWW NNNN
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Ref Offset 3.2 B/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz ALIGN AUTO #Avg e Run Avg/H	Emission Type: RMS old: 100/100	09:43:51 M Feb TRACE 12 TYPE M DET P N -31.033 C	99,2023 34 56 NNNN GHZ IBm
Ref Offset 3.2 B/div Ref 20.00 d	AC AC 000000 GHz PNO IFGa 25 dB	SENSE:INT	0 5210MHz	Emission Type: RMS old: 100/100 Mkr	09:43:51 AM Feb (TRACE 1 2 TYPE M W DET P N	99, 2023 3 4 5 6 NNNN GHZ IBm
L RF 50 0 tter Freq 13.5150 Ref Offset 3.2 B/div Ref 20.00 d and a state of the	t SA AC 000000 GH2 PN(IFGa 5 dB IB IB IB	SENSE:INT D: Fast Trig: Free in:Low #Atten: 3 #Atten: 4 #VBW 3.0 MH	0 5210MHz	Emission Type: RMS old: 100/100 Mkr	09:43:51 M Feb TRACE 12 TYPE M DET P N r1 25.617 338 -31.033 c	99, 2023 3 4 5 6 NNNN GHZ IBm
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Ref Offset 3.2 B/div Ref 20.00 d	t SA AC 000000 GH2 PN(IFGa 5 dB IB IB IB	SENSE:INT D: Fast Trig: Free in:Low #Atten: 3 #Atten: 4 #VBW 3.0 MH	C 5210MHz	Emission Type: RMS old: 100/100 Mkr	09:43:51 MFeb TRACE 12 TYPE M DET P N 1 25.617 338 (-31.033 c -31.033 c -31.035	99, 2023 3 4 5 6 NNNN GHZ IBm
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Edition: A.5

Page: 111 of 130



Agilent Spectrum Analyzer - Swept		OFNOT Y	NT				- 🗗 💌
RL RF 50 Ω enter Freg 13.5150		SENSE:I		ALIGN AUTO #Avg	Type: RMS	10:42	TRACE 1 2 3 4 5
	PI	NO:Fast ⊶⊶ Trig Gain:Low #At	g: Free Run ten: 30 dB	Avg H	old: 100/100		
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Ref Offset 3.54 dB/div Ref 20.00 d	Bm					-30).329 dBm
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Res BW 1.0 MHz		#VBW 3.0				FUNCTION VALUE	s (30001 pts)
1 N 1 f	× 25.600 257 GHz	۲ -30.329 dBm	FUNCTION	FUNCTION WIDTH		FUNCTION VALUE	· · · · · ·
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a		ous NVNT	‴ n20 574		¹⁵ Emission		
S Agilent Spectrum Analyzer - Swept RL RF 50 Ω	AC	OUS NVNT		5MHZ	Emission	10:44	:50 AM Feb 09, 2023
S Agilent Spectrum Analyzer - Swept RL RF 50 Ω	SA AC 000000 GHz PI	SENSE:I	NT g: Free Run	5MHZ		10:44	150 AM Feb 09, 2023
S Agilent Spectrum Analyzer - Swept RL RF 50 Ω	SA AC 000000 GHz PI	SENSE:II	NT	5MHZ	Emission Type: RMS old: 100/100		:50 AM Feb 09, 2023 TRACE 1 2 3 4 5 TYPE M DET P NNNN
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.5150 Ref Offset 3.5	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50Ω enter Freq 13.51500 Ref Offset 3.5/ dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	:50 AM Feb 09, 2023 TRACE 1 2 3 4 5 TYPE M DET P NNNN
Agilent Spectrum Analyzer - Swept RL RF 50Ω enter Freq 13.51500 Ref Offset 3.5/ dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50Ω enter Freq 13.51500 Ref Offset 3.50 dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Ref Offset 3.51 dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50Ω enter Freq 13.51500 Ref Offset 3.50 dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5/1 dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5/ dB/div Ref 20.00 d	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.50 dB/div Ref 20.00 d 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 dB/div Ref 20.00 d 0 0 0 0 0 0 0 0 0 0 0 0 0	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.5150(Ref Offset 3.5 rdB/div Ref 20.00 d 00 00 00 00 00 00 00 00 00 0	AC 00000 GHz PI IF(6 dB	SENSE:I	NT g: Free Run	5MHZ	Emission Type: RMS old: 100/100	lkr1 25.61 -29	150 AMFeb 09, 2023 TRACE II 2 3 4 5 TYPE MWWWW DET PNNNN 1 944 GHz 0,630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5 dB/div Ref 20.00 d 9 0 0 0 0 0 0 0 0 0 0 0 0 0	AC 00000 GHz PI IF(6 dB	SENSE:I	g: Free Run ten: 30 dB	5MHZ	Type: RMS old: 100/100	kr1 25.61 -29	1 944 GHz
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5 dB/div Ref 20.00 d g 00 00 00 00 00 00 00 00 00	sA AC 000000 GHz PI IF 6 dB Bm	VO: Fast \rightarrow Trig Sain:Low \rightarrow #At	g: Free Run ten: 30 dB	5MHZ	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5 dB/div Ref 20.00 d 9 0 0 0 0 0 0 0 0 0 0 0 0 0	AC 00000 GHz PI	VO: Fast \longrightarrow Trig	g: Free Run ten: 30 dB	ALIGN AUTO #Avg Avg H	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 B/div Ref Offset 3.50 dB/div Ref 20.00 d g g g g g g g g g g g g g	sA AC 000000 GHz PI IF 6 dB Bm	VO: Fast \rightarrow Trig Sain:Low \rightarrow #At	g: Free Run ten: 30 dB	ALIGN AUTO #Avg Avg H	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5 dB/div Ref 20.00 d 9 0 0 0 0 0 0 0 0 0 0 0 0 0	sA AC 000000 GHz PI IF 6 dB Bm	VO: Fast \rightarrow Trig Sain:Low \rightarrow #At	g: Free Run ten: 30 dB	ALIGN AUTO #Avg Avg H	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Ω enter Freq 13.51500 Ref Offset 3.5 dB/div Ref 20.00 d 9 0 0 0 0 0 0 0 0 0 0 0 0 0	sA AC 000000 GHz PI IF 6 dB Bm	VO: Fast \rightarrow Trig Sain:Low \rightarrow #At	g: Free Run ten: 30 dB	ALIGN AUTO #Avg Avg H	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm
Agilent Spectrum Analyzer - Swept RL RF 50 Q enter Freq 13.51500 Ref Offset 3.51 dB/div Ref 20.00 d 00 00 00 00 00 00 00 00 00 0	sA AC 000000 GHz PI IF 6 dB Bm	VO: Fast \rightarrow Trig Sain:Low \rightarrow #At	g: Free Run ten: 30 dB	ALIGN AUTO #Avg Avg H	Emission Type: RMS old: 100/100 M	kr1 25.61 -29	1944 GHz 1944 GHz 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm 1944 GHz 0.630 dBm