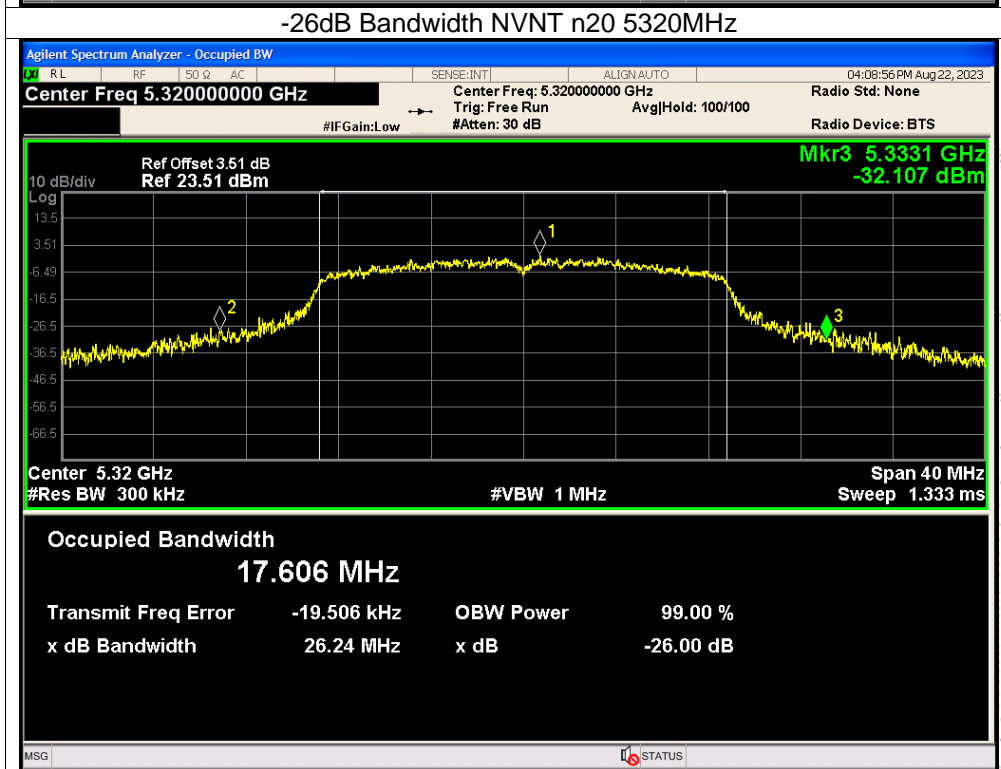
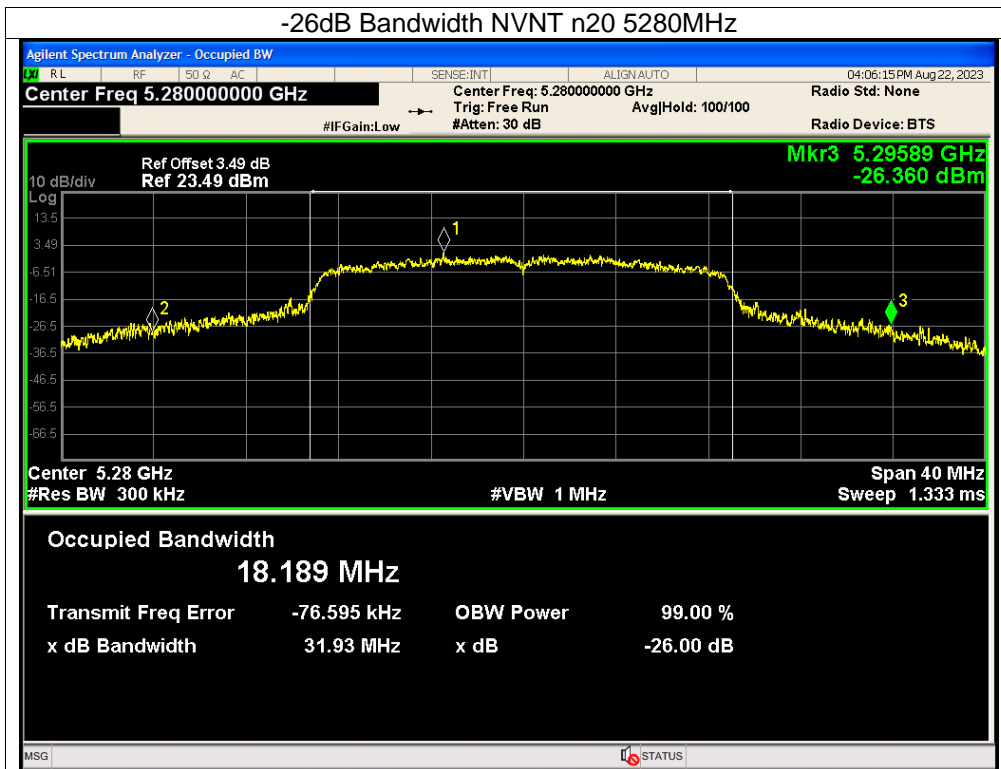
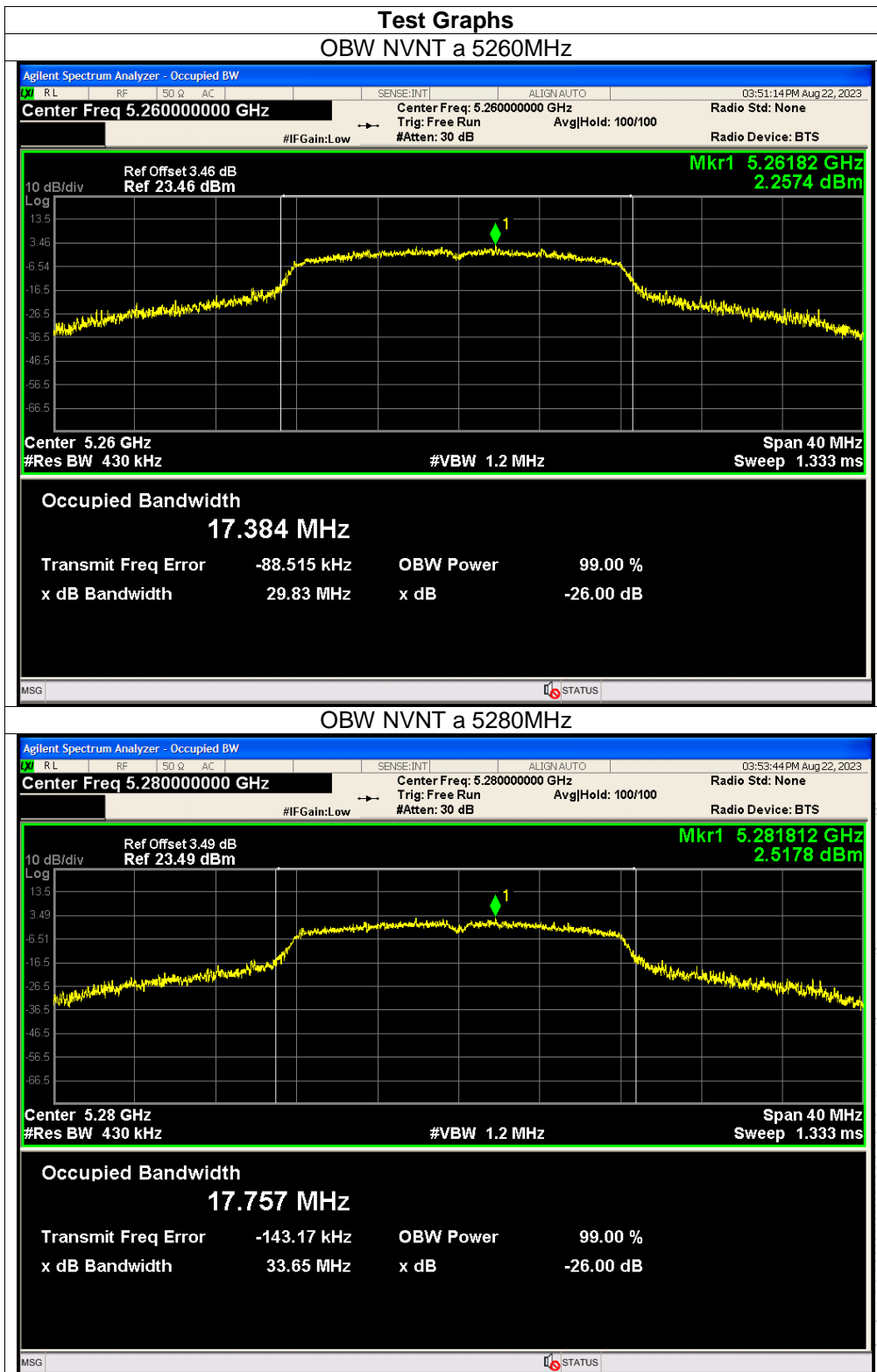
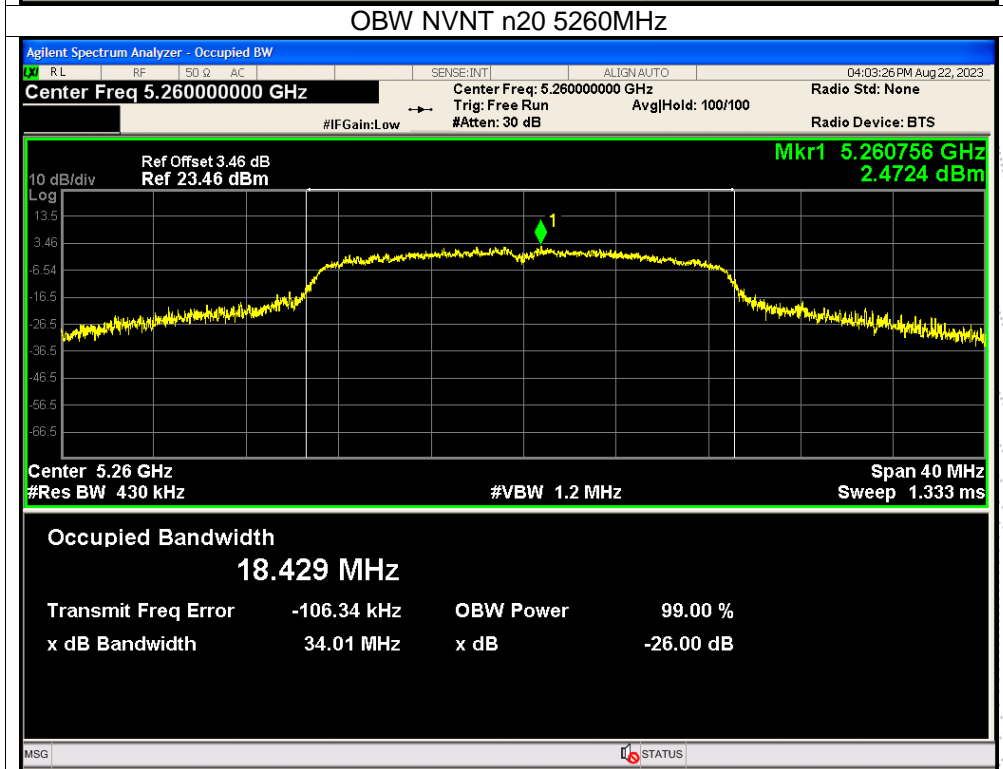
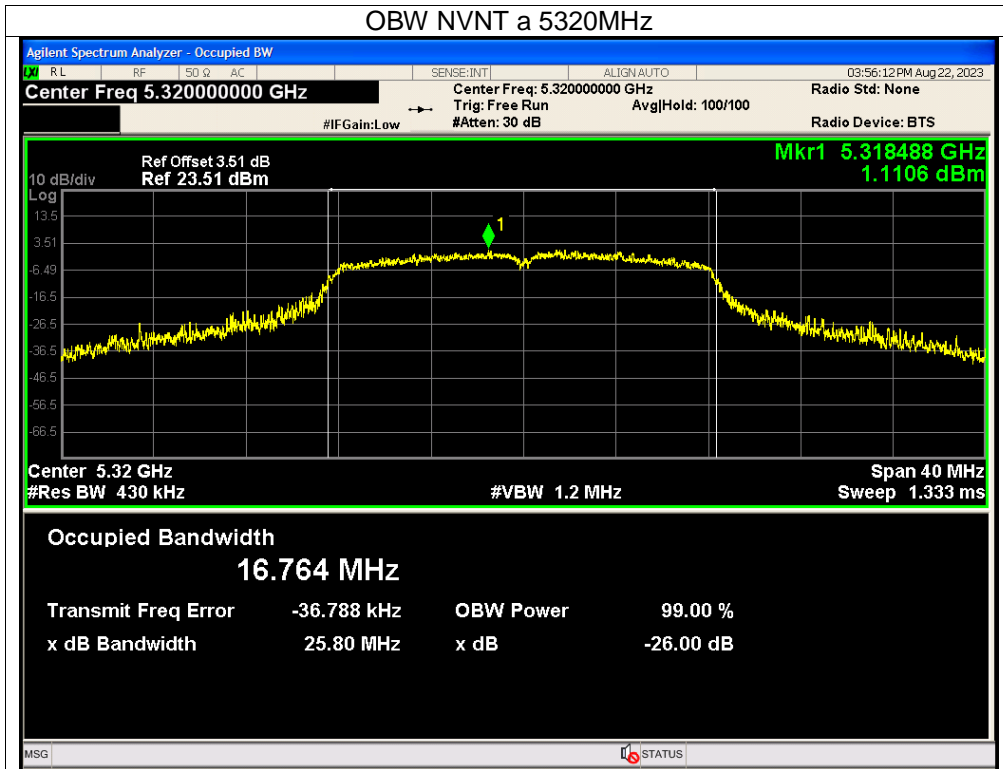


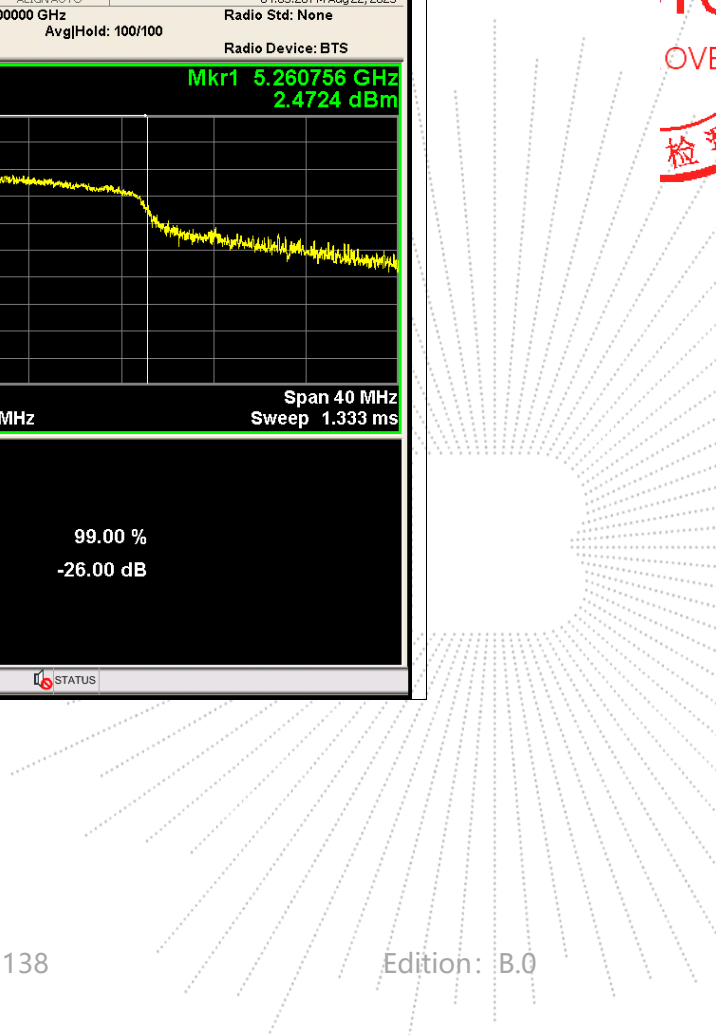
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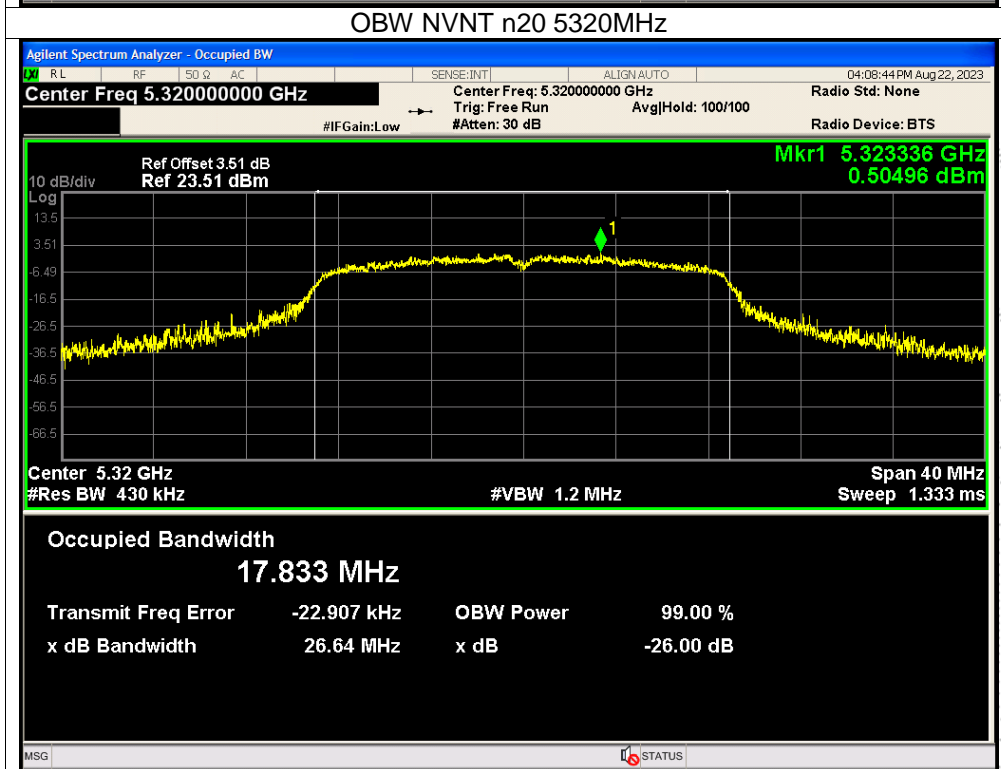
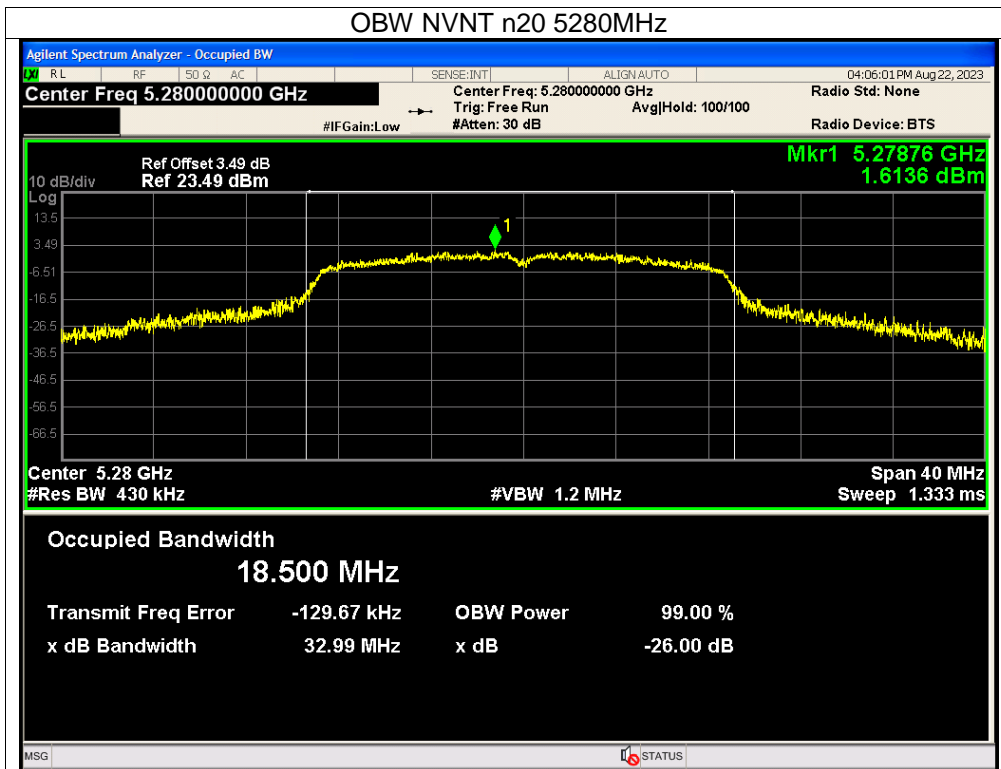






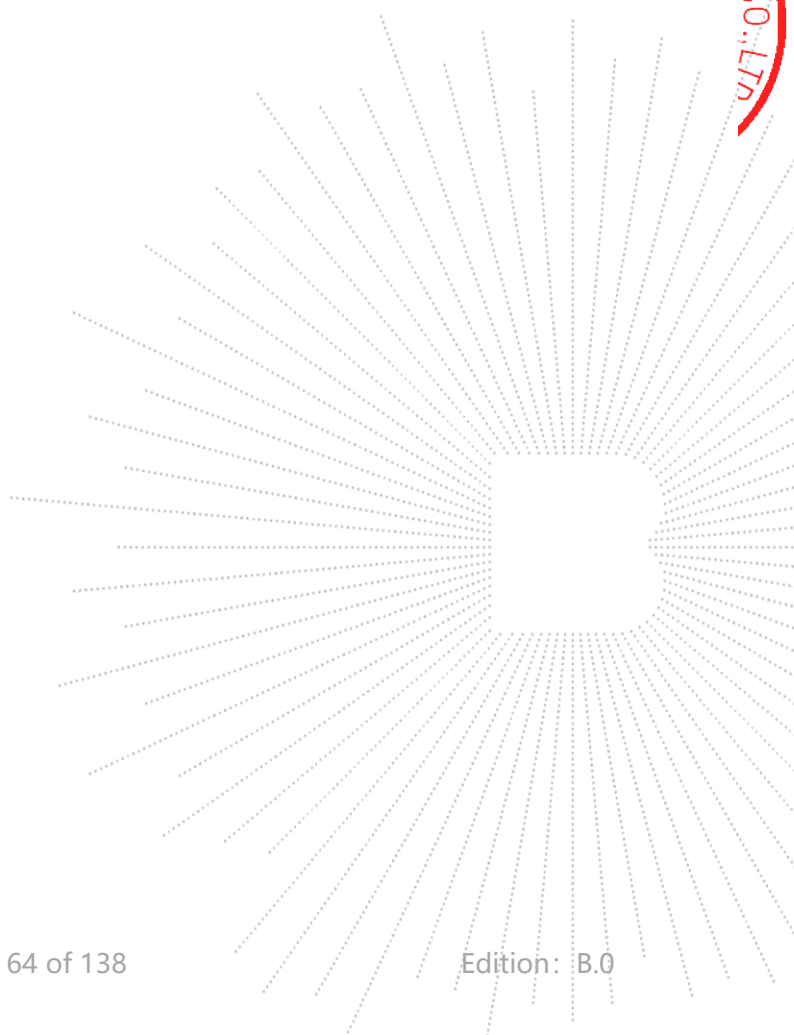
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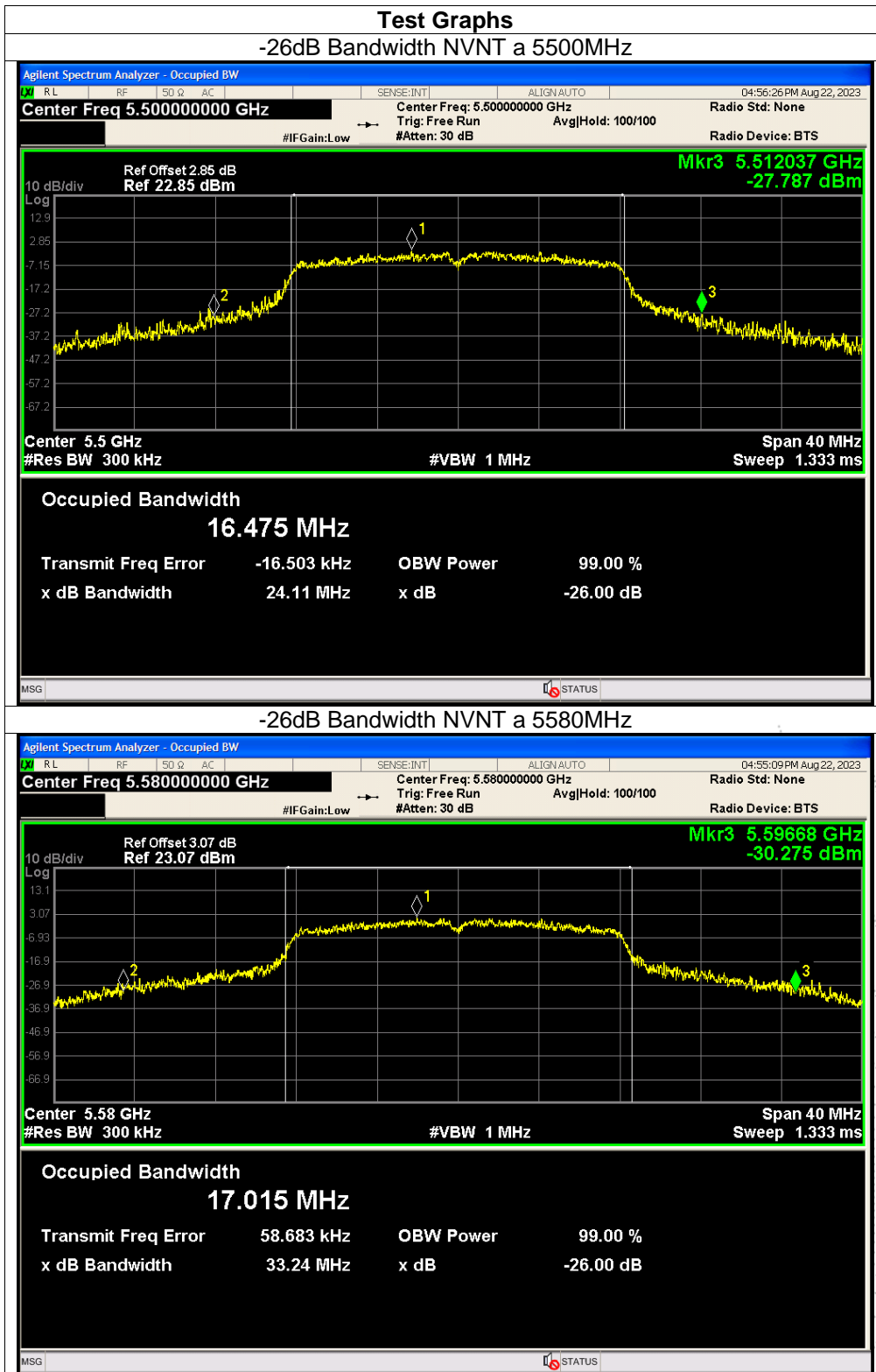


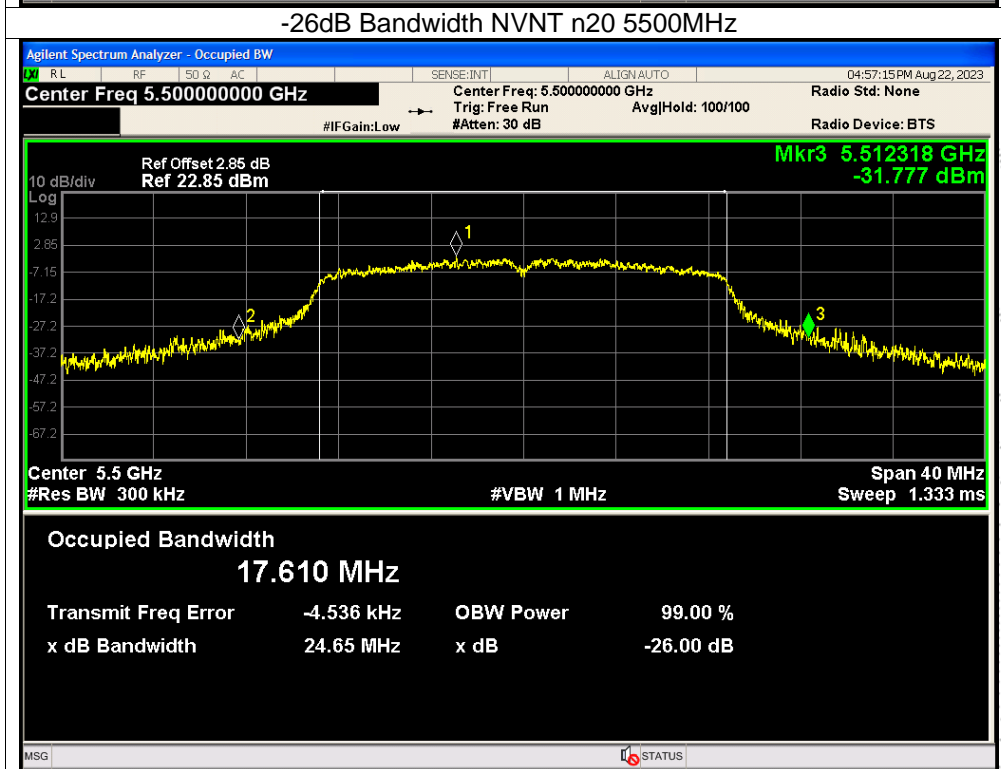
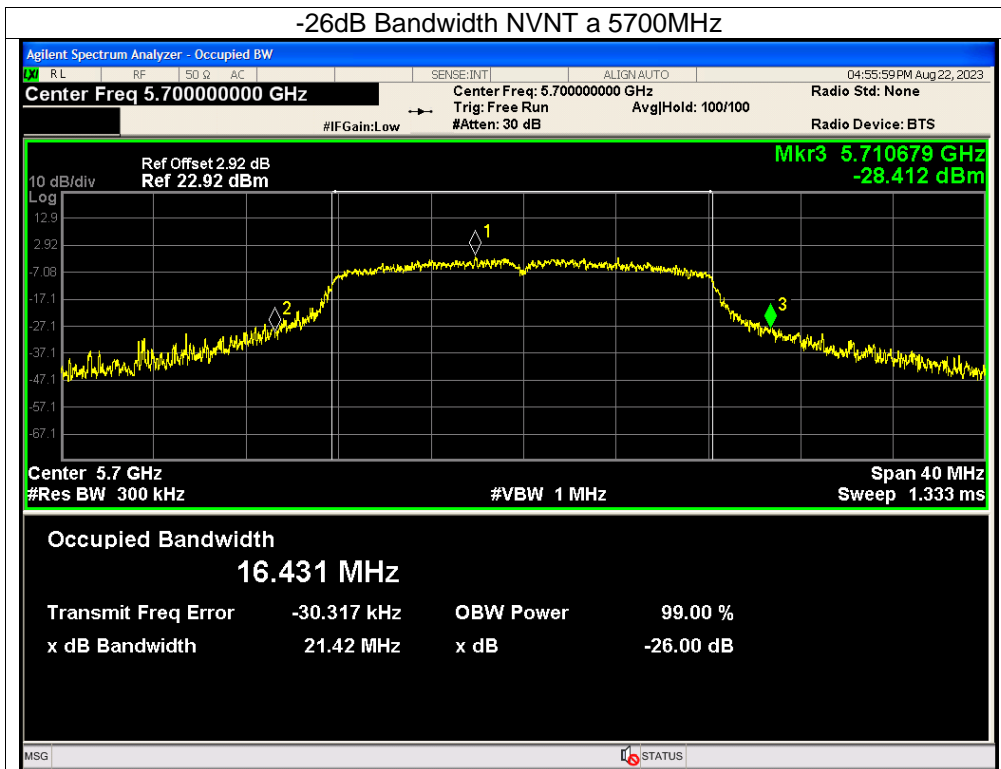


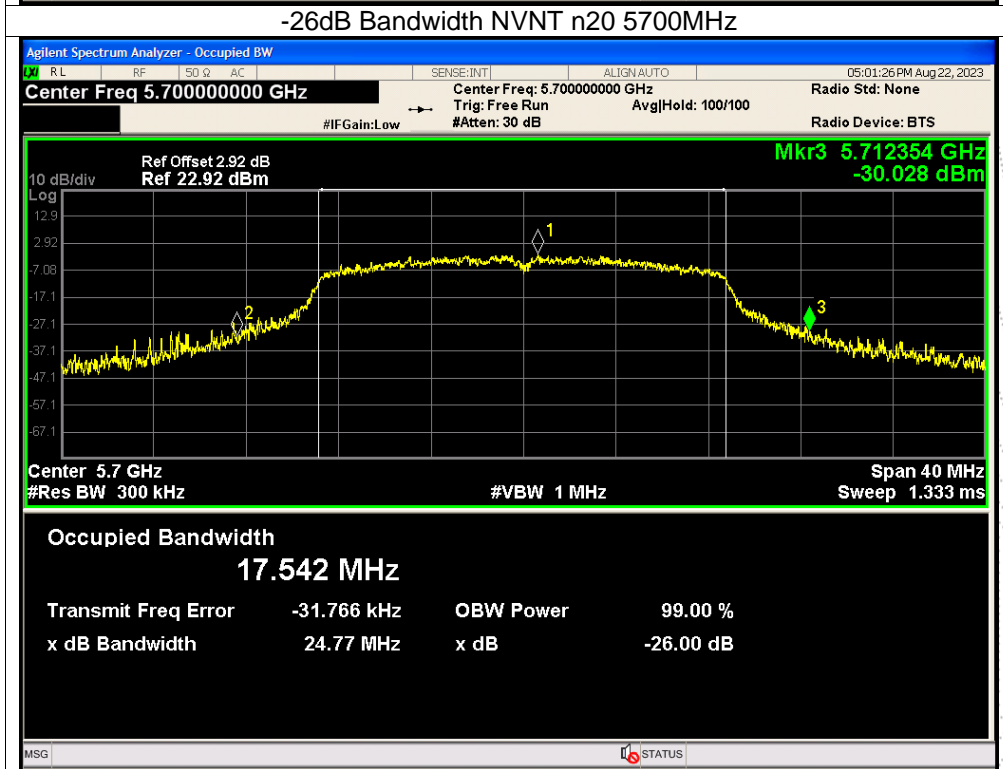
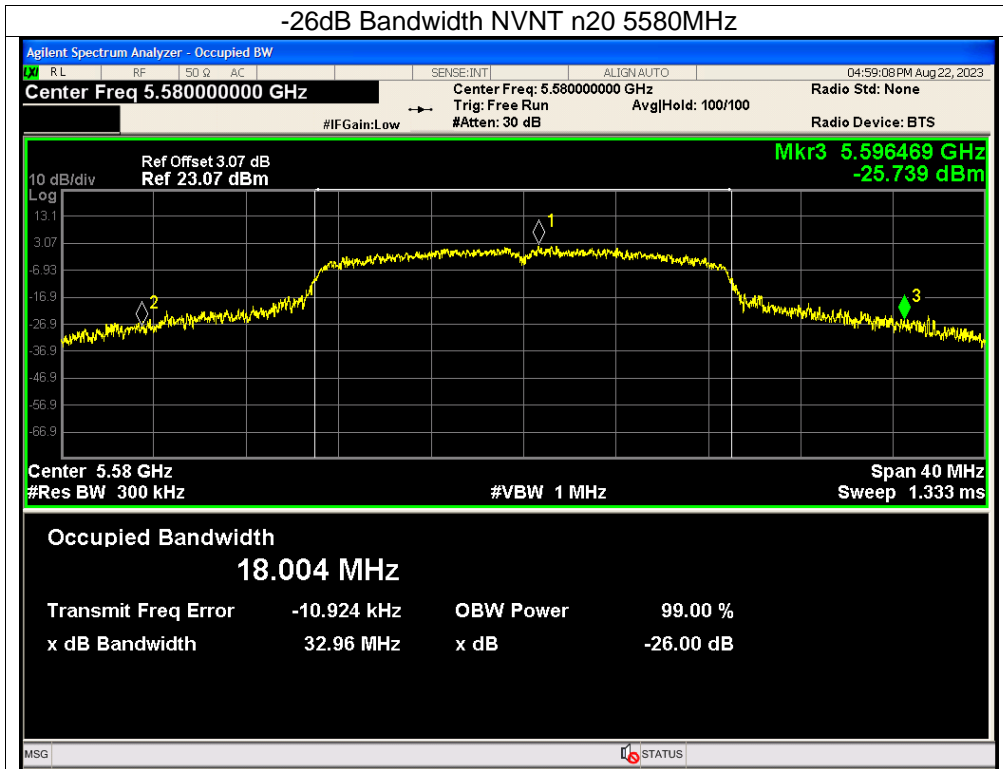
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5500-5700MHz)		

Condition	Mode	Frequency (MHz)	99% bandwidth (MHz)	-26dB bandwidth (MHz)	Result
NVNT	a	5500	16.737	24.107	Pass
NVNT	a	5580	17.379	33.242	Pass
NVNT	a	5700	16.656	21.418	Pass
NVNT	n20	5500	17.791	24.646	Pass
NVNT	n20	5580	18.361	32.961	Pass
NVNT	n20	5700	17.712	24.771	Pass

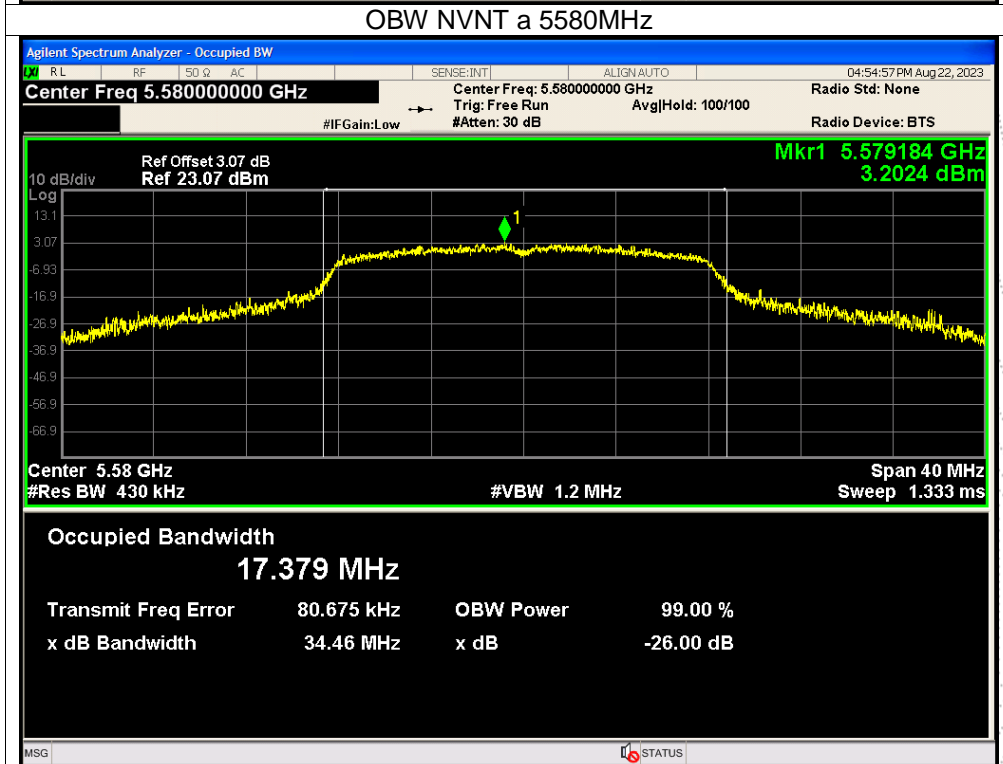
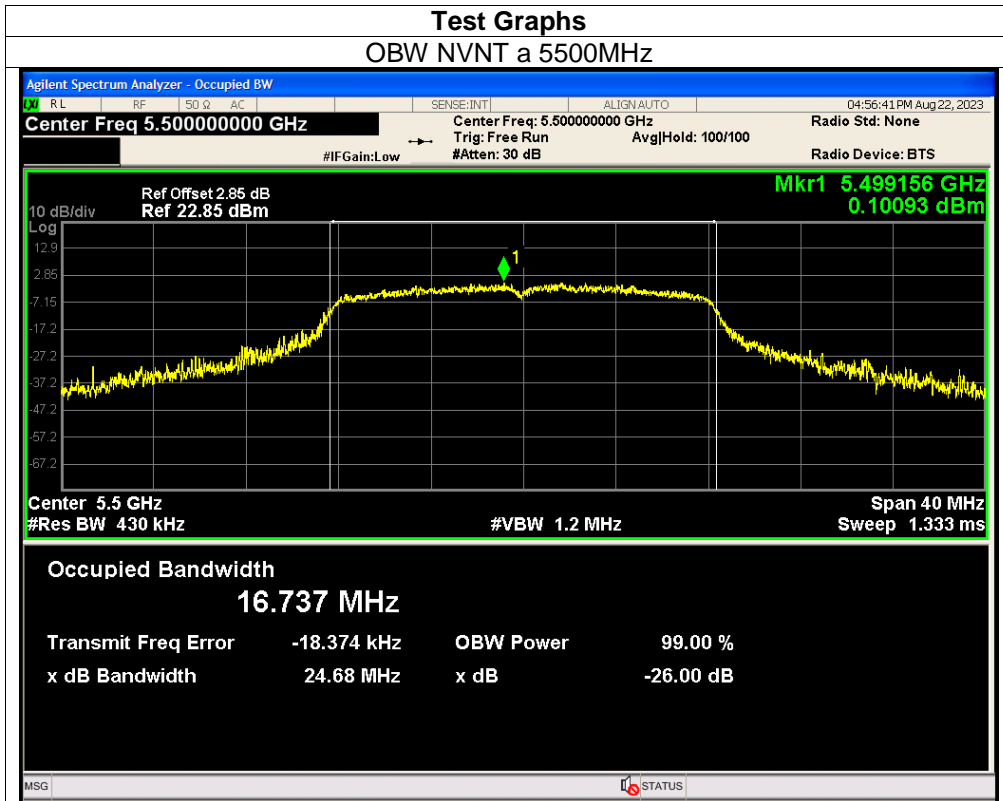





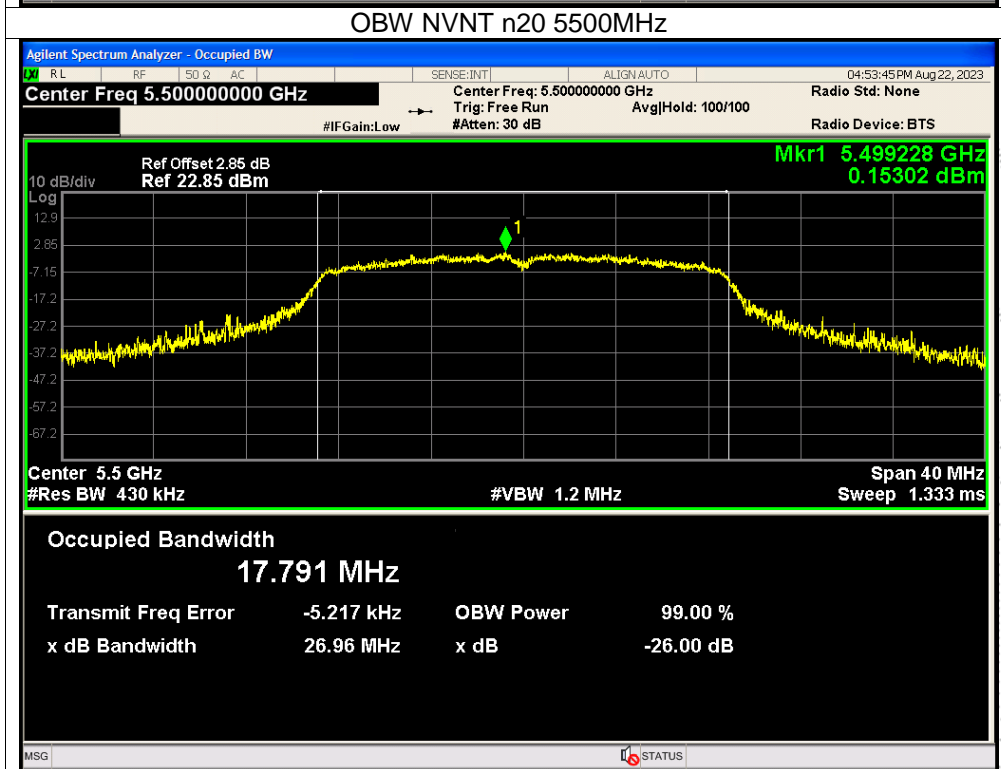
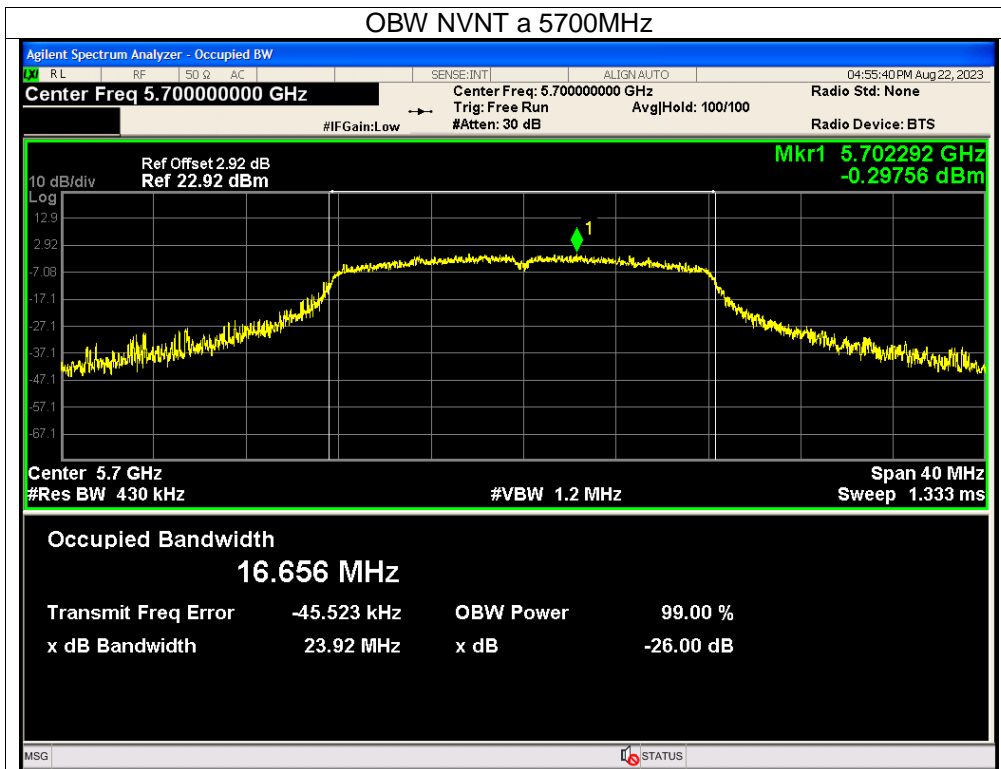


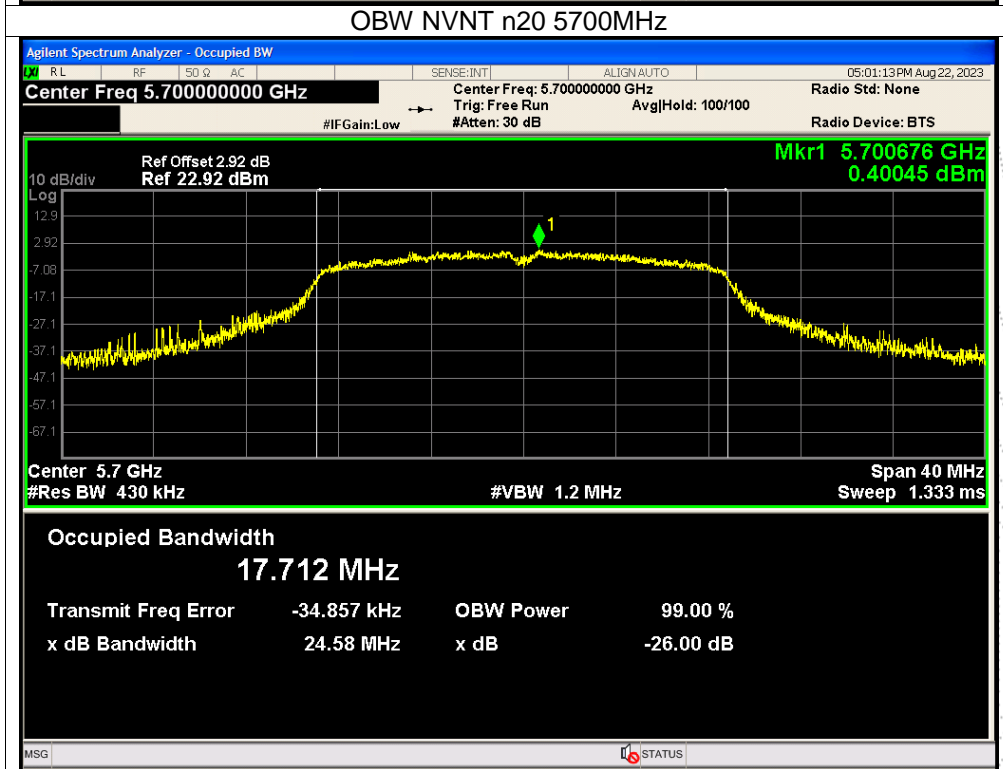
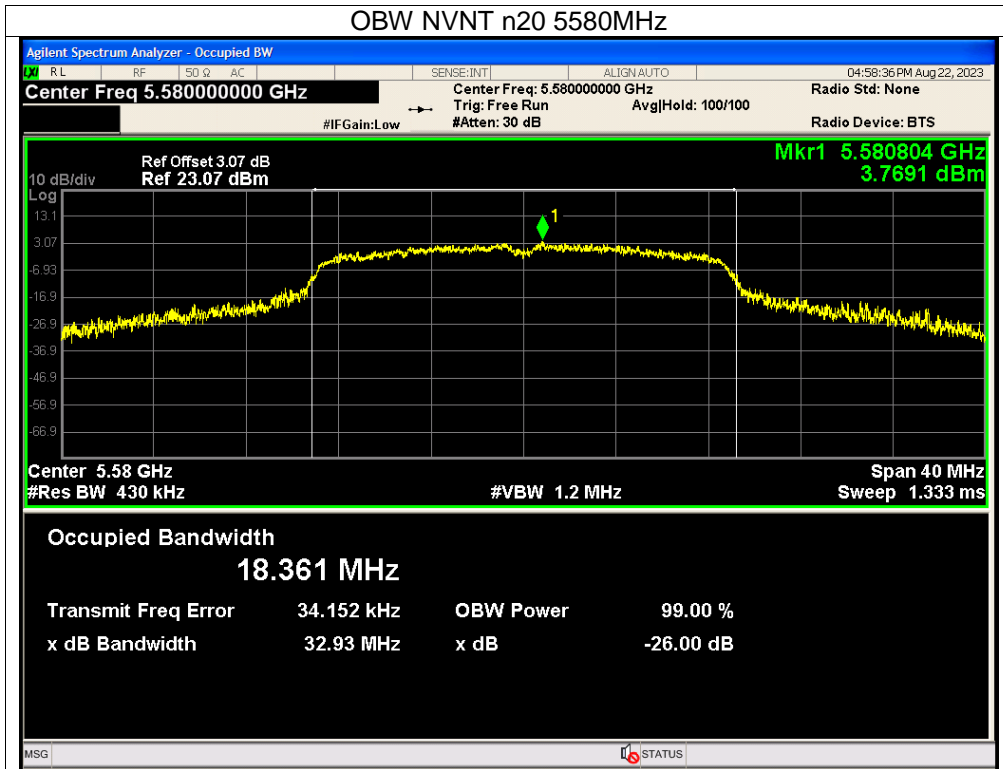


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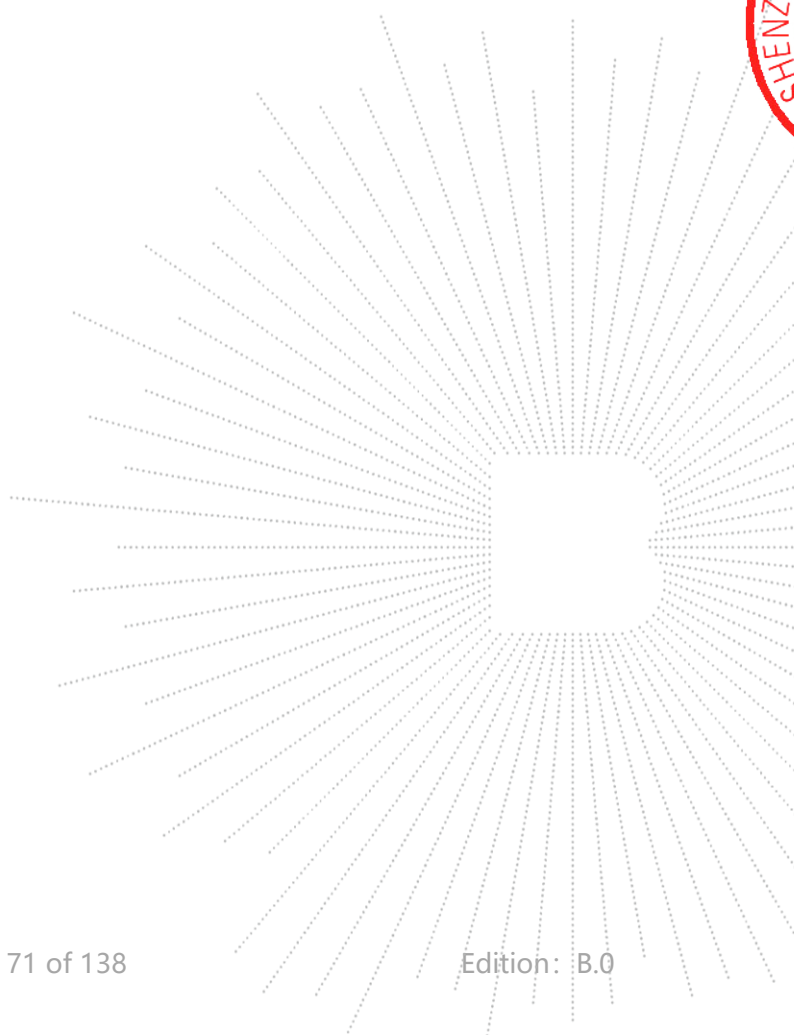


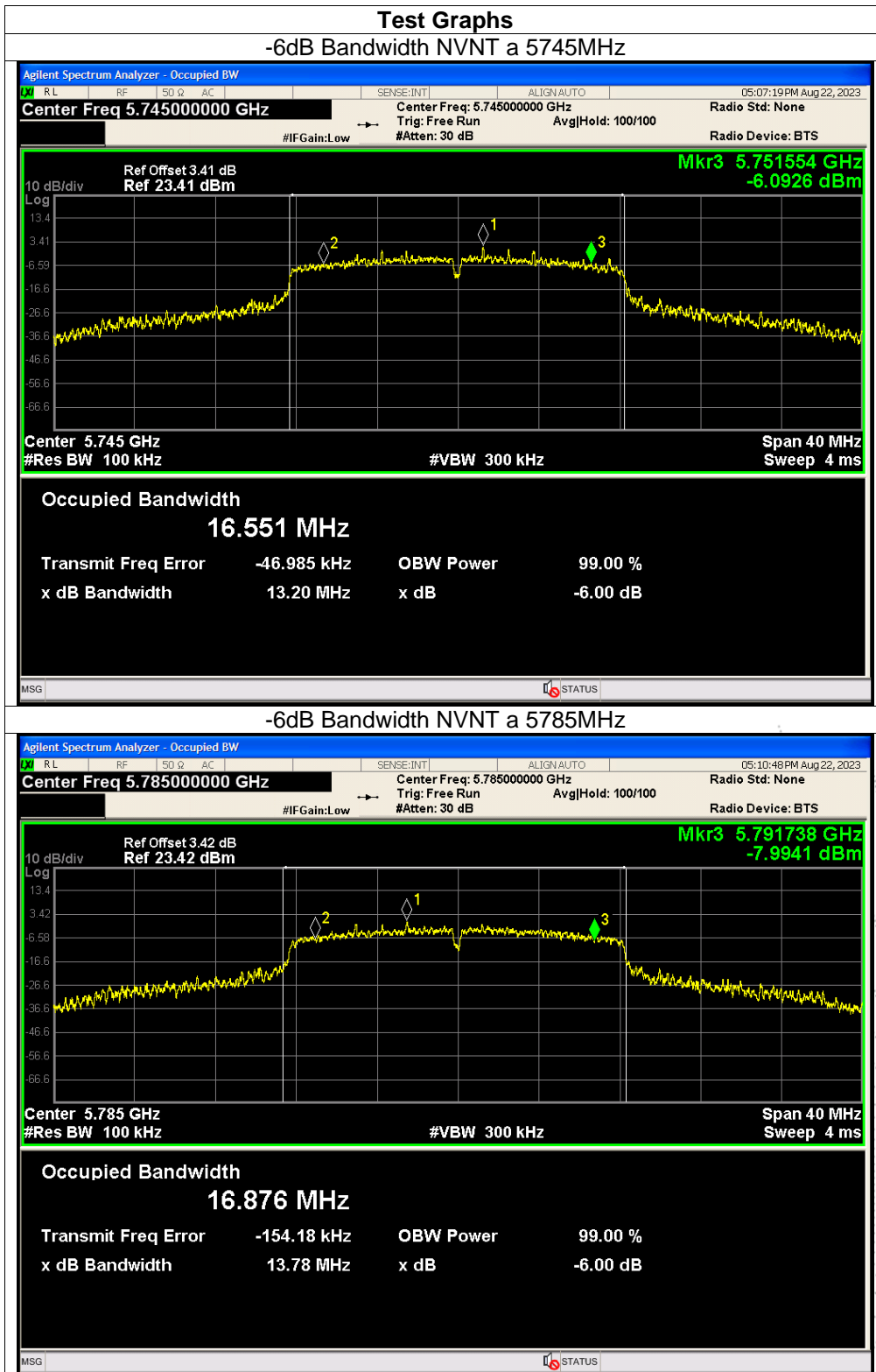


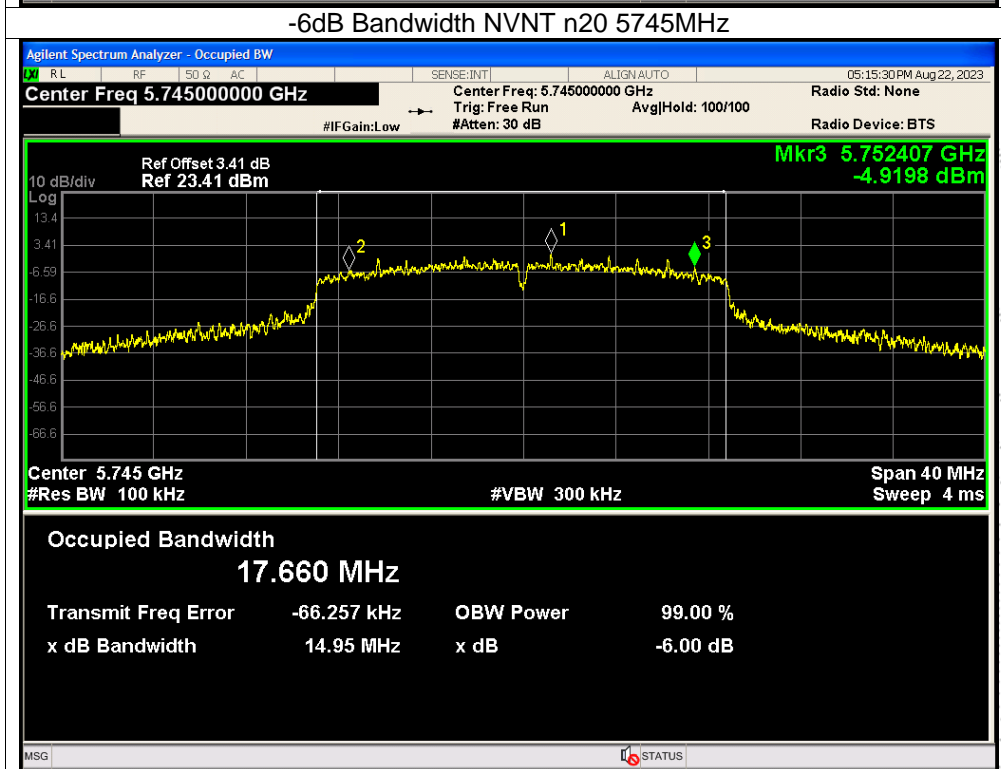
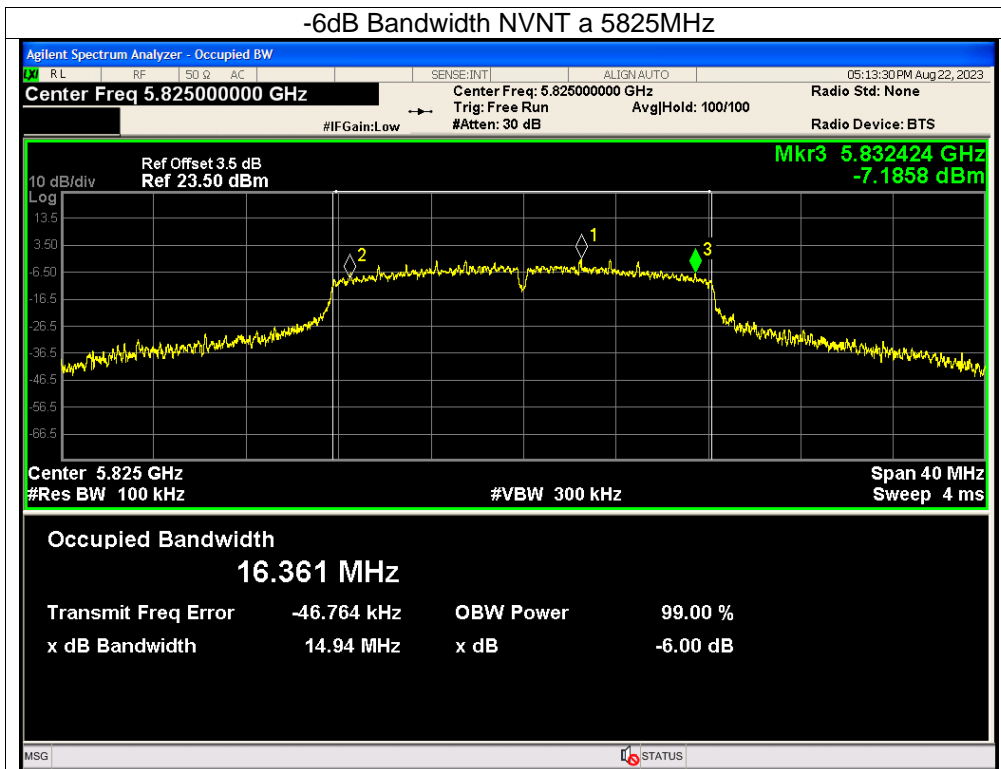
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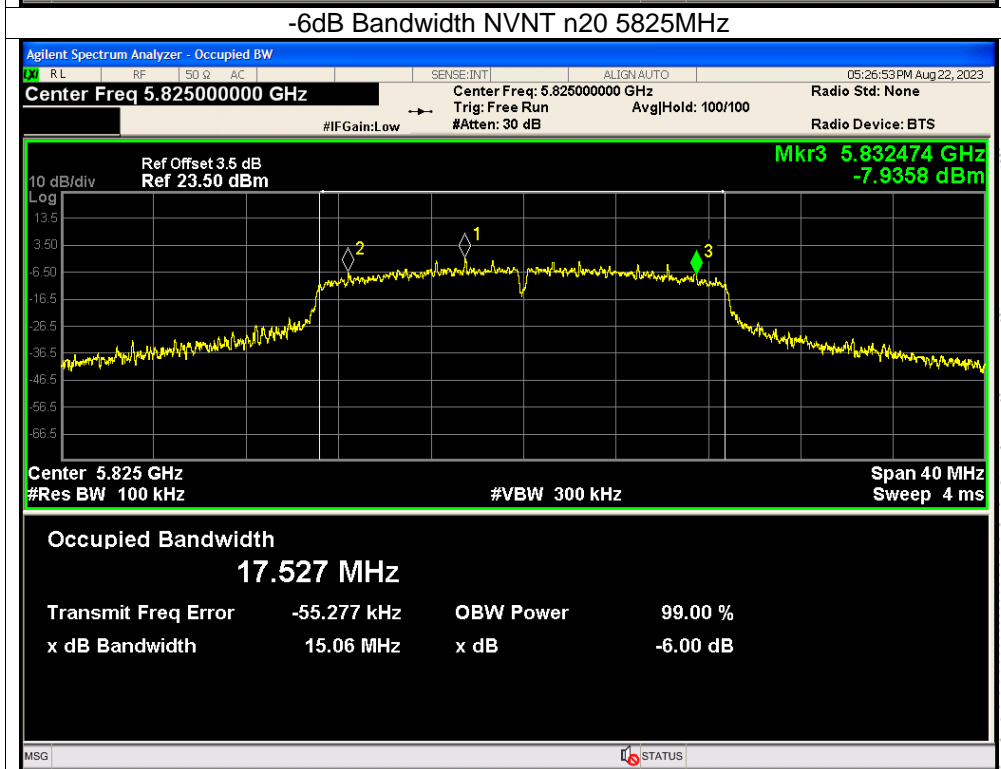
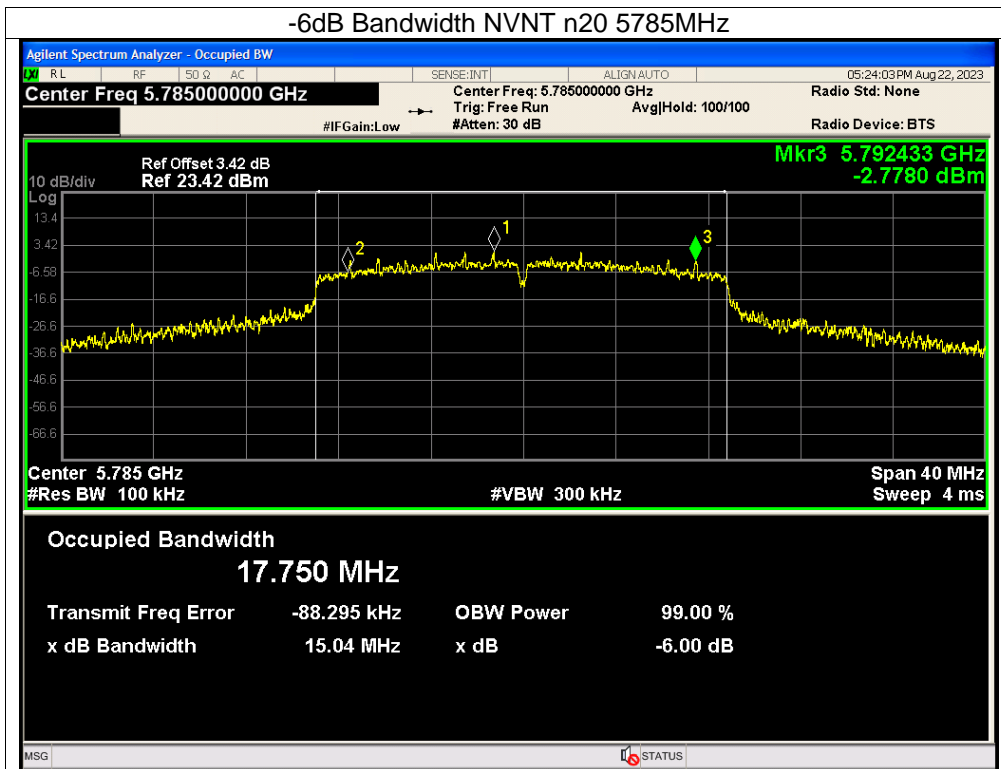
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5745-5825MHz)		

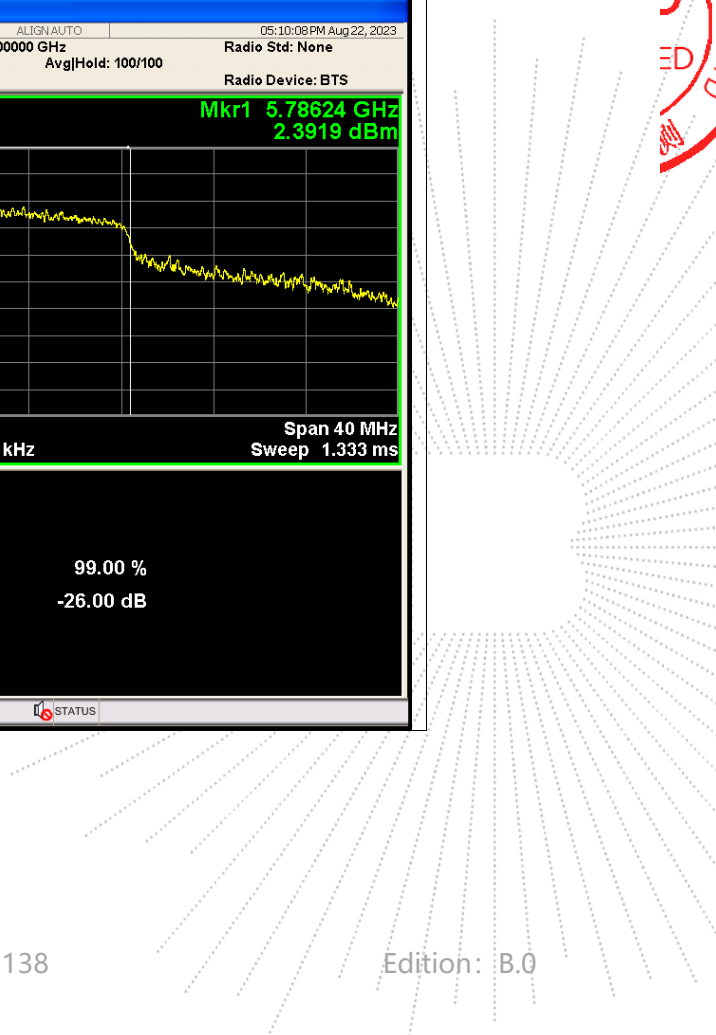
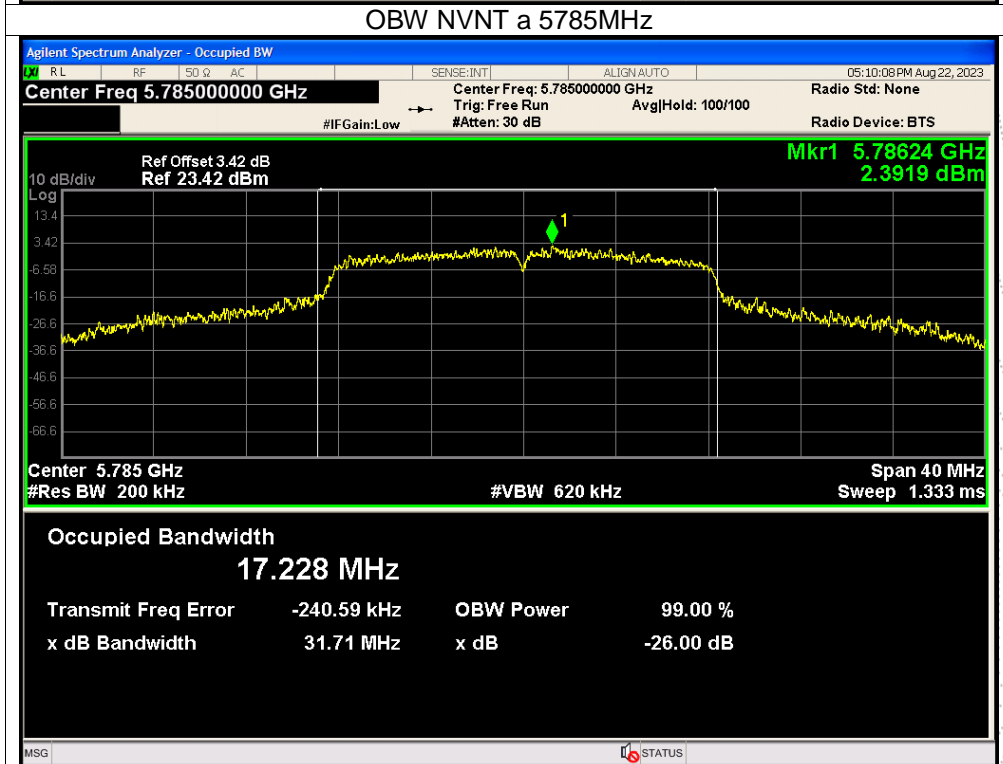
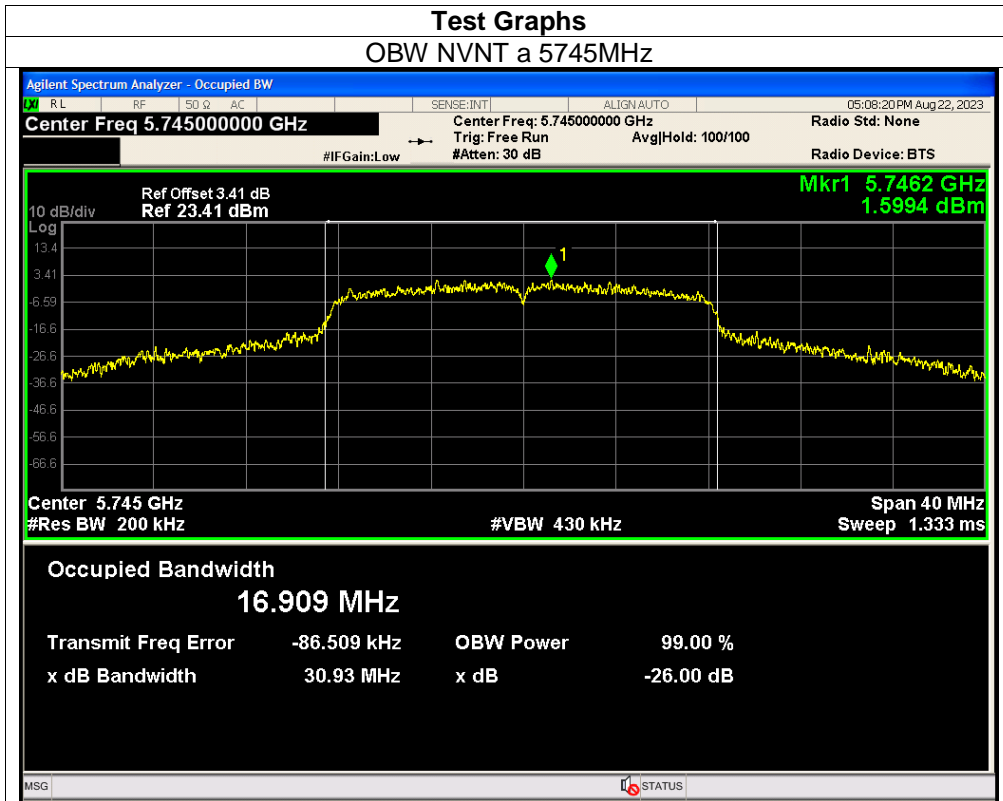
Condition	Mode	Frequency (MHz)	99% bandwidth (MHz)	-6dB bandwidth (MHz)	Limit -6dB bandwidth MHz	Result
NVNT	a	5745	16.909	13.202	≥500	Pass
NVNT	a	5785	17.228	13.784	≥500	Pass
NVNT	a	5825	16.441	14.941	≥500	Pass
NVNT	n20	5745	17.792	14.947	≥500	Pass
NVNT	n20	5785	18.01	15.043	≥500	Pass
NVNT	n20	5825	17.587	15.059	≥500	Pass

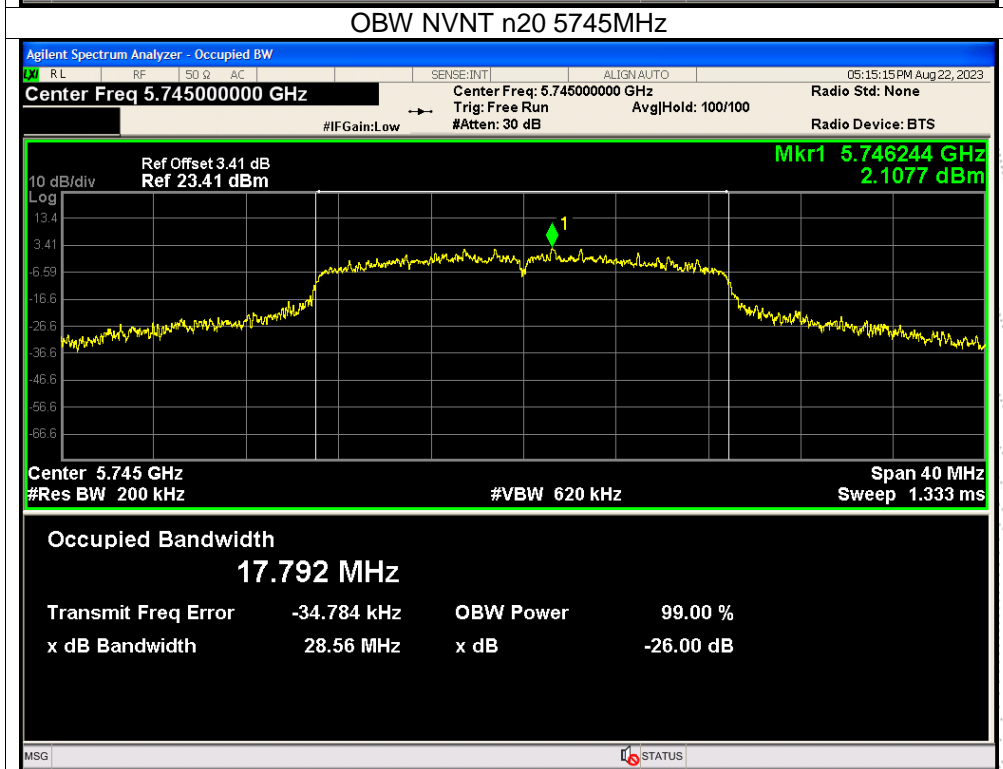
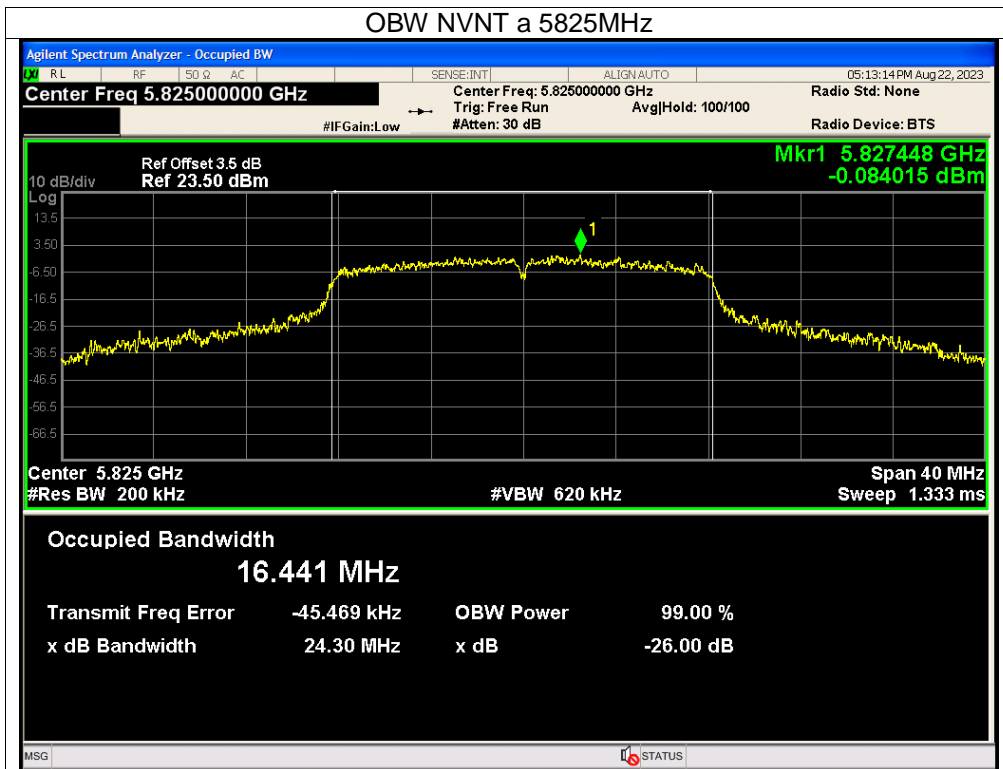




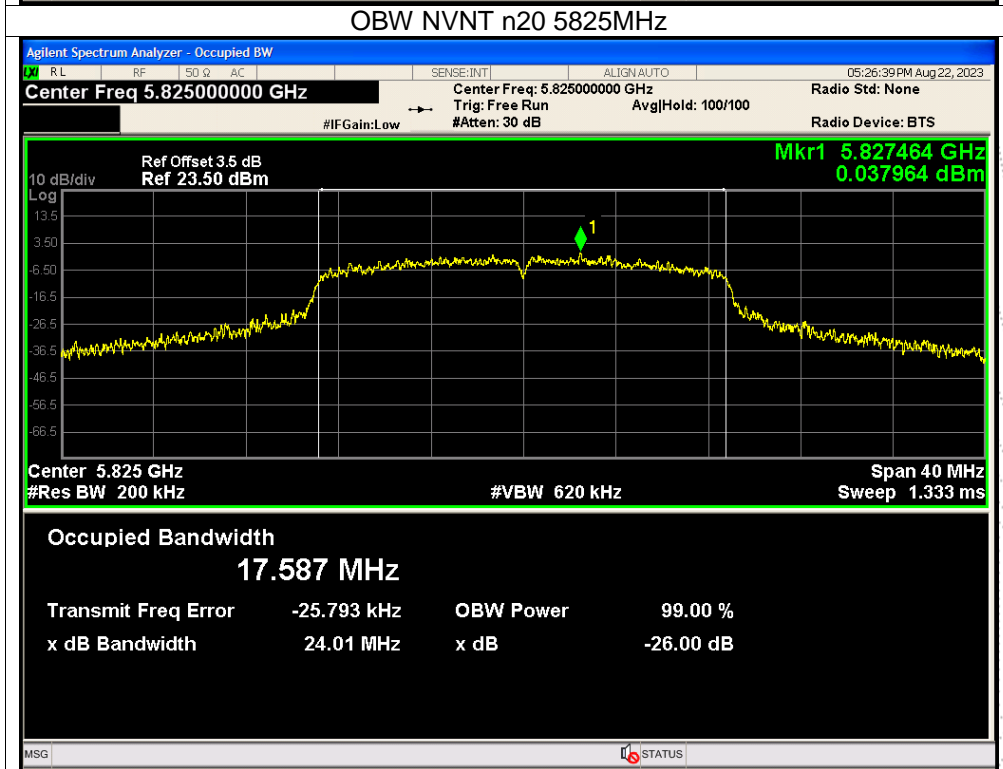
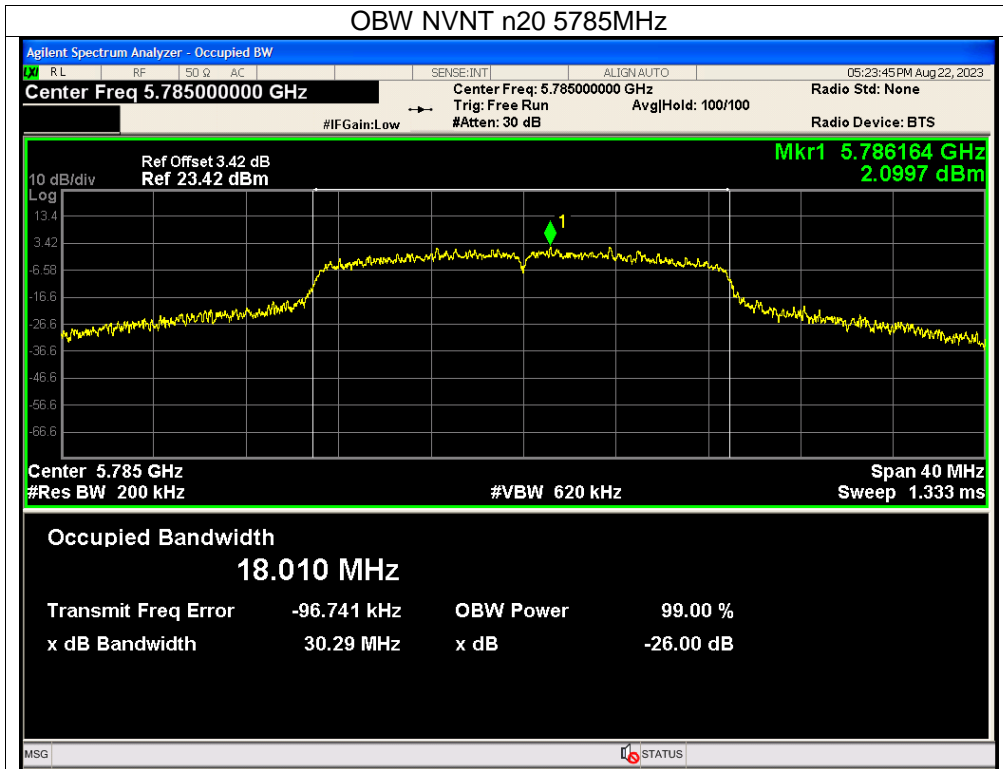








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10. Maximum Conducted Output Power

10.1 Block Diagram Of Test Setup



10.2 Limit

According to FCC §15.407

The maximum conducted output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	0.25W
5250~5350	0.25W
5500~5700	0.25W
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 \geq 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 ≥ 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.

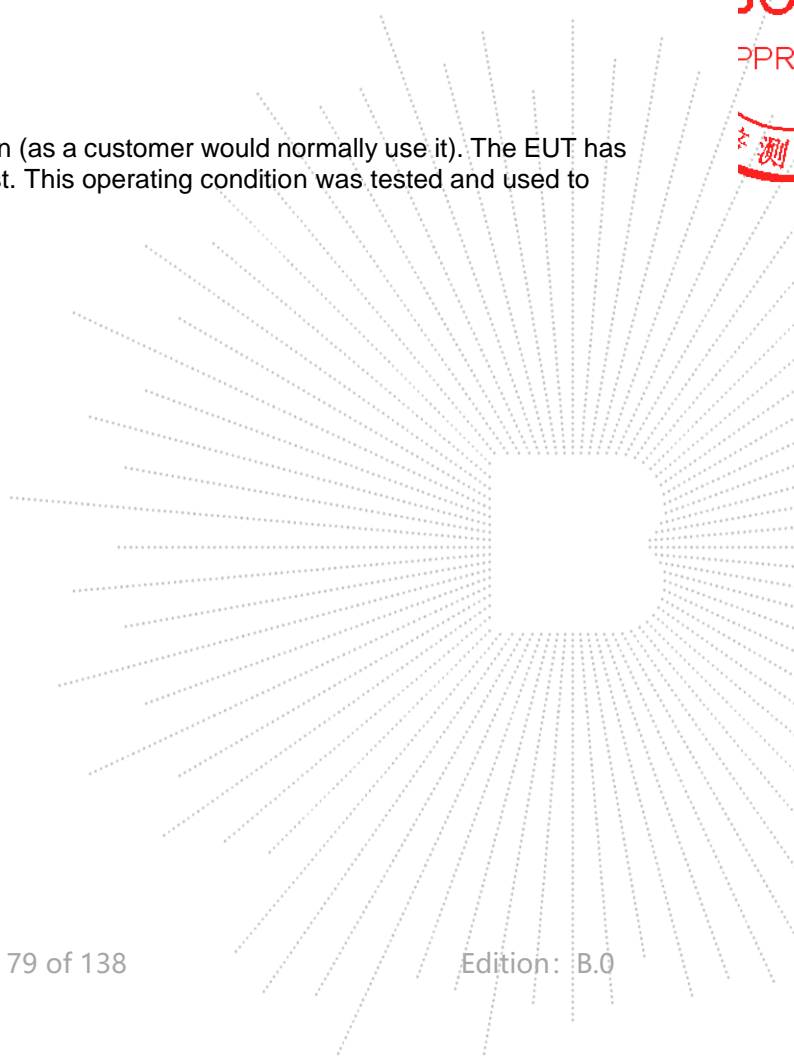
(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 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.



10.5 Test Result

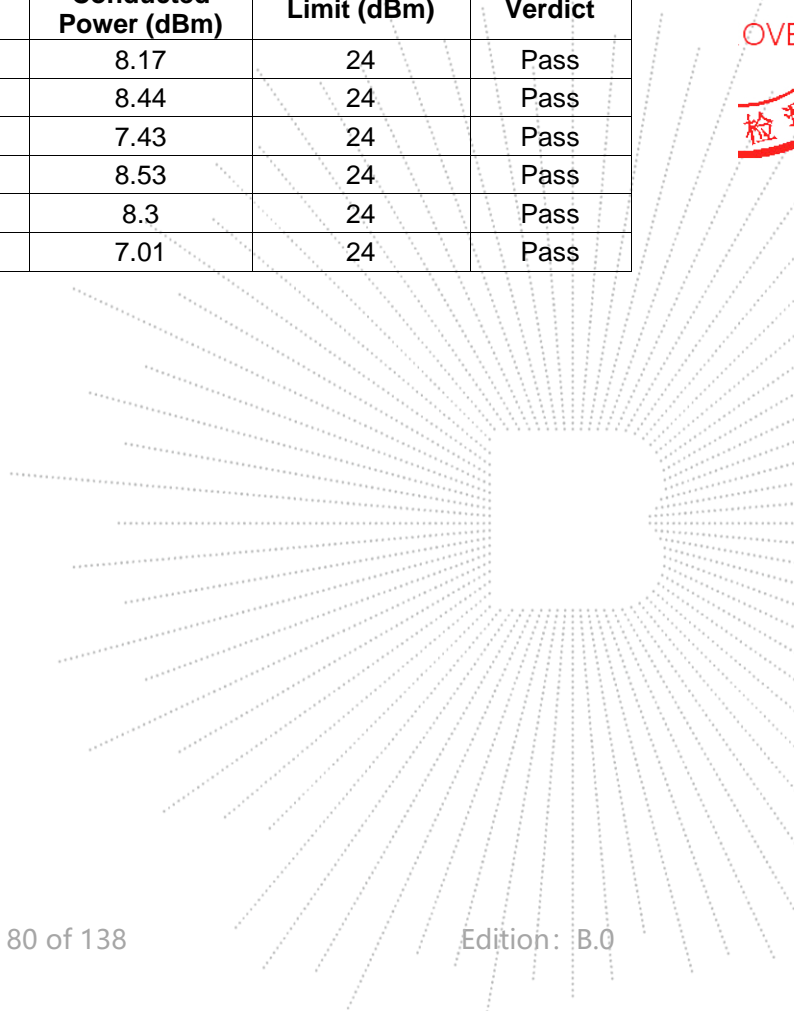
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	5180-5240MHz		

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	7.18	24	Pass
NVNT	a	5200	8.32	24	Pass
NVNT	a	5240	7.77	24	Pass
NVNT	n20	5180	7.49	24	Pass
NVNT	n20	5200	9.7	24	Pass
NVNT	n20	5240	8.61	24	Pass

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	5260-5320MHz		

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	8.17	24	Pass
NVNT	a	5280	8.44	24	Pass
NVNT	a	5320	7.43	24	Pass
NVNT	n20	5260	8.53	24	Pass
NVNT	n20	5280	8.3	24	Pass
NVNT	n20	5320	7.01	24	Pass

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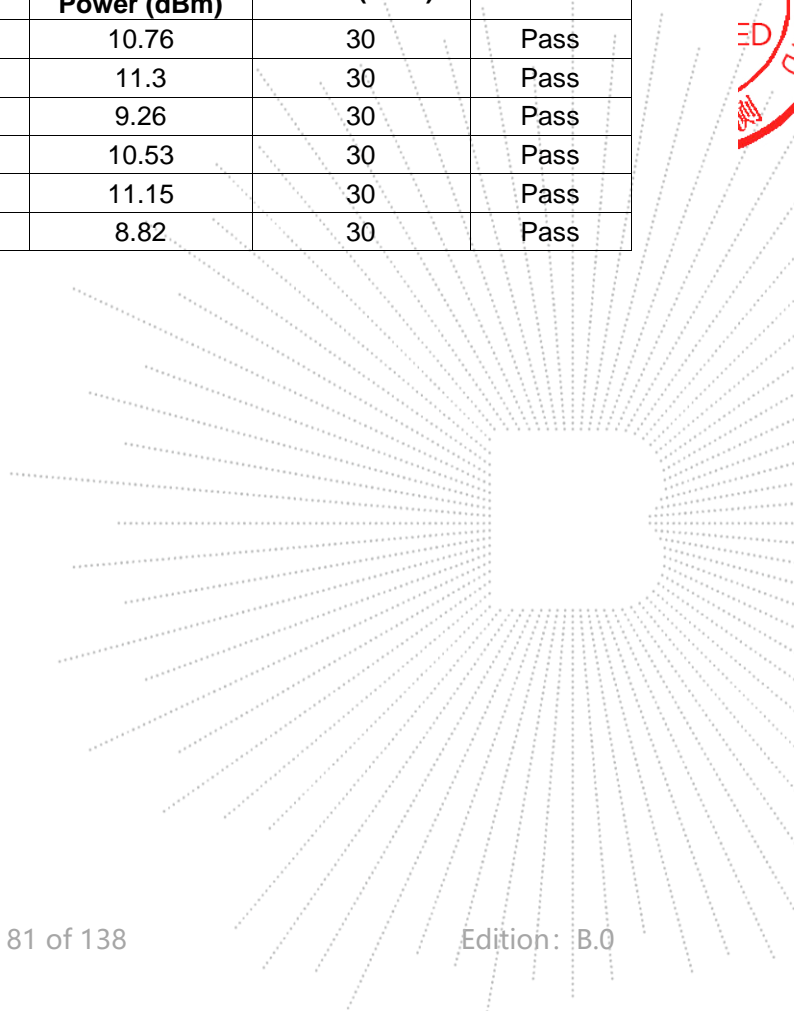


Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	5500-5700MHz		

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	6.74	24	Pass
NVNT	a	5580	9.48	24	Pass
NVNT	a	5700	6.42	24	Pass
NVNT	n20	5500	6.71	24	Pass
NVNT	n20	5580	9.99	24	Pass
NVNT	n20	5700	6.53	24	Pass

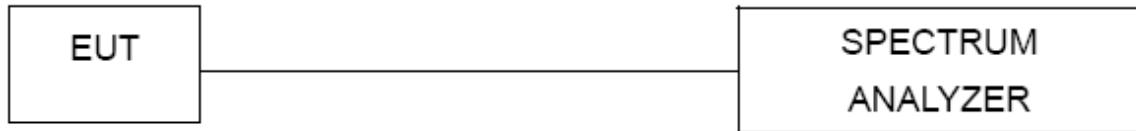
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	5745-5825MHz		

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	10.76	30	Pass
NVNT	a	5785	11.3	30	Pass
NVNT	a	5825	9.26	30	Pass
NVNT	n20	5745	10.53	30	Pass
NVNT	n20	5785	11.15	30	Pass
NVNT	n20	5825	8.82	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.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) 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

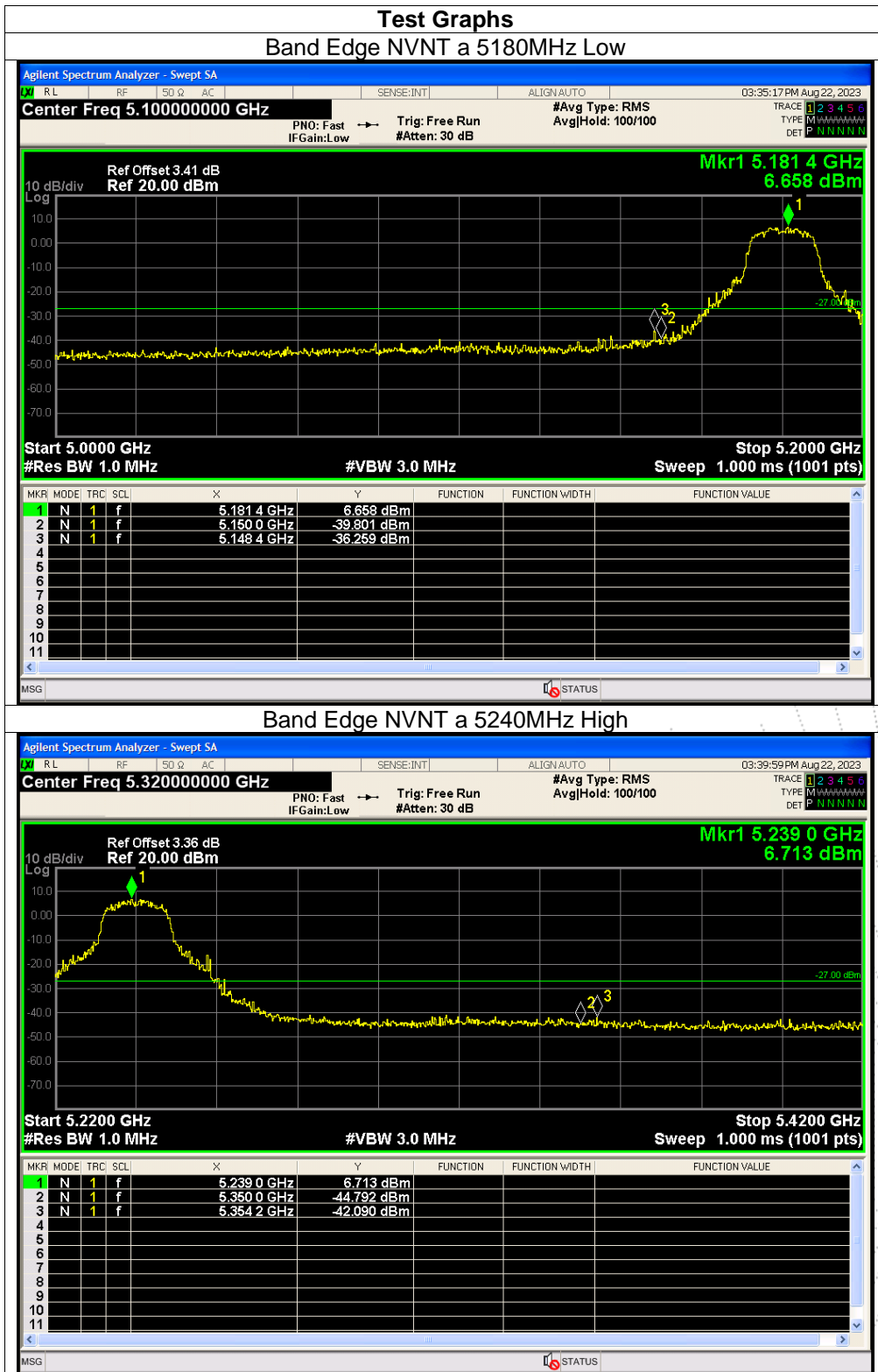
11.3 Test Procedure

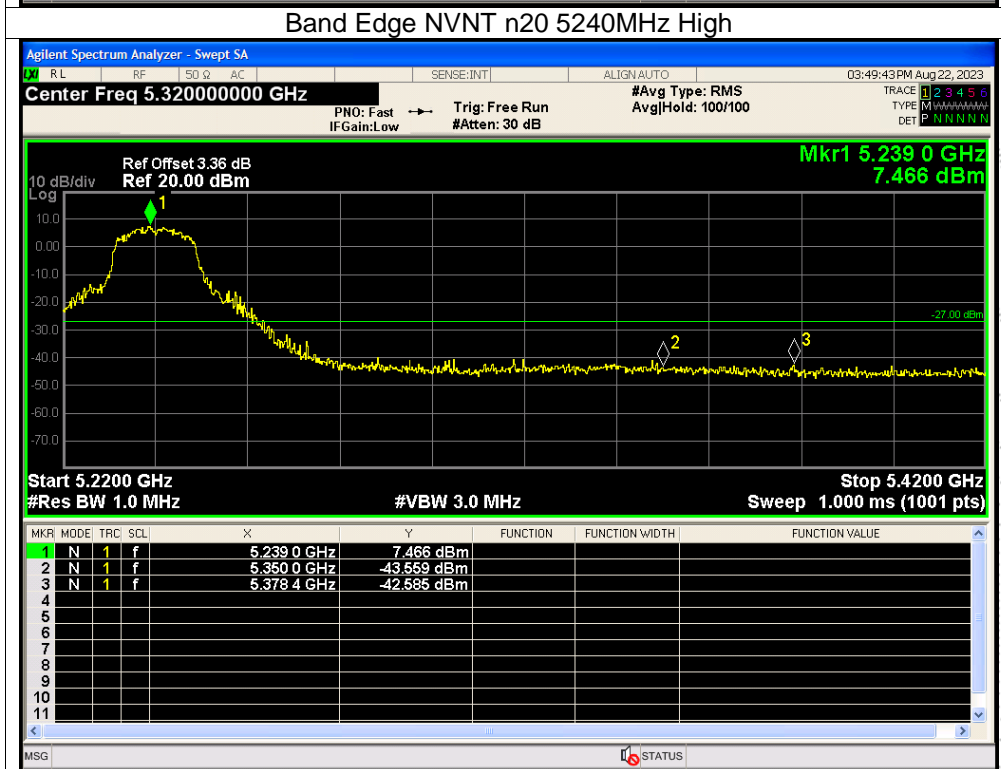
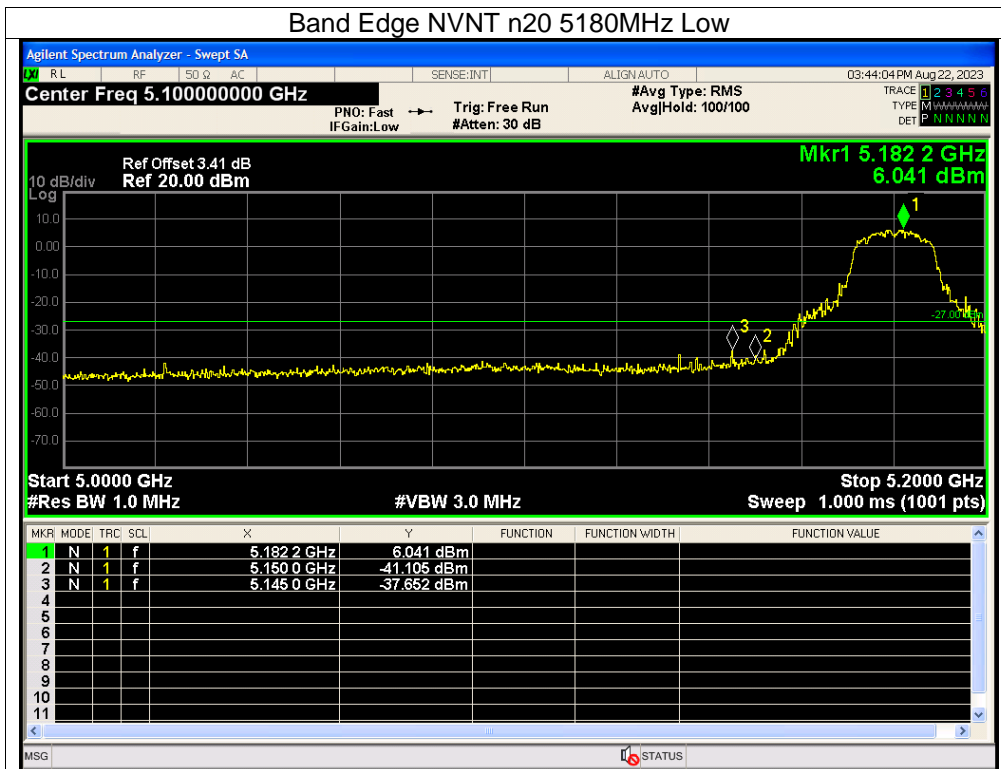
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then 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.

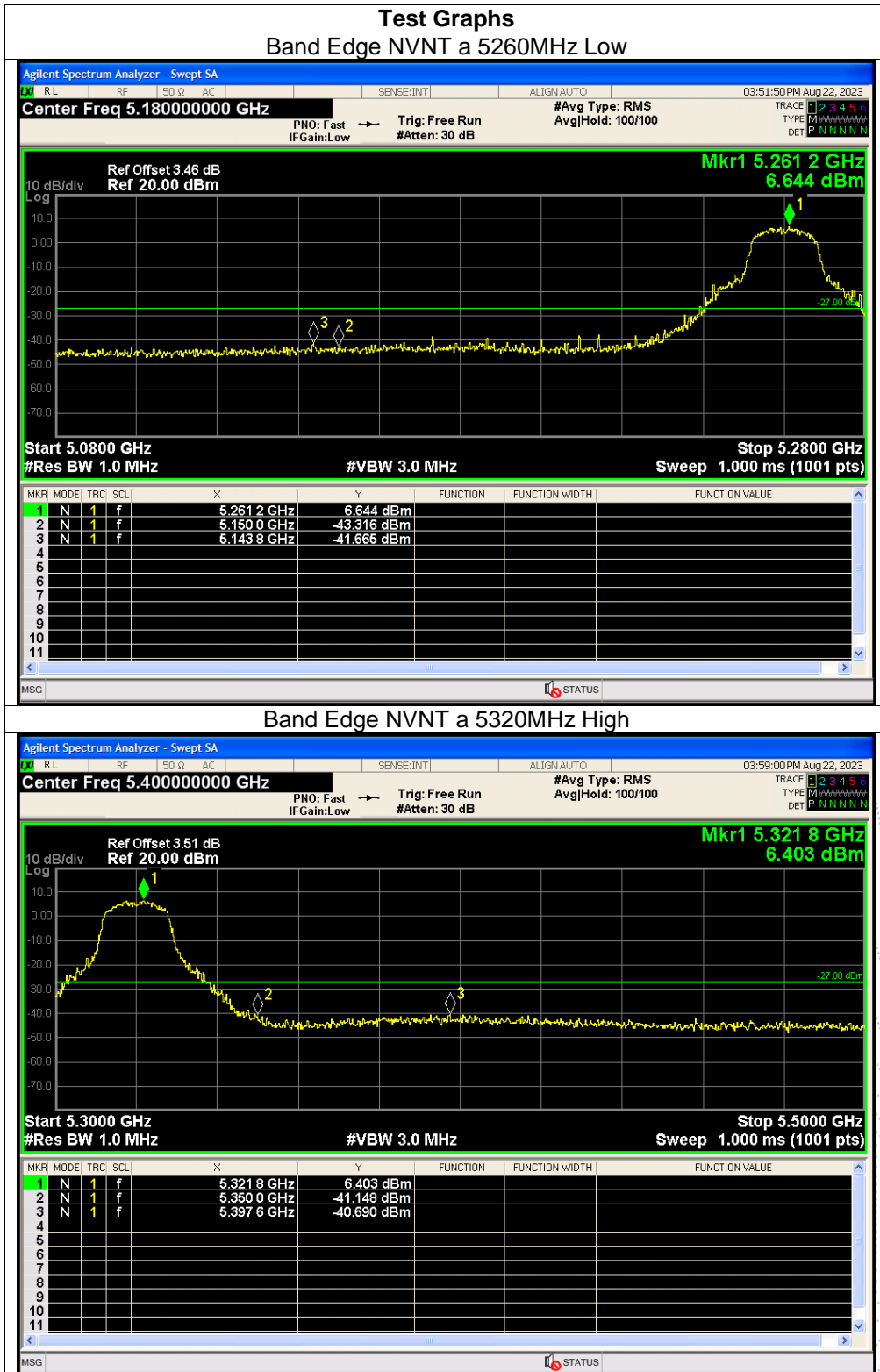
11.4 EUT Operating Conditions

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

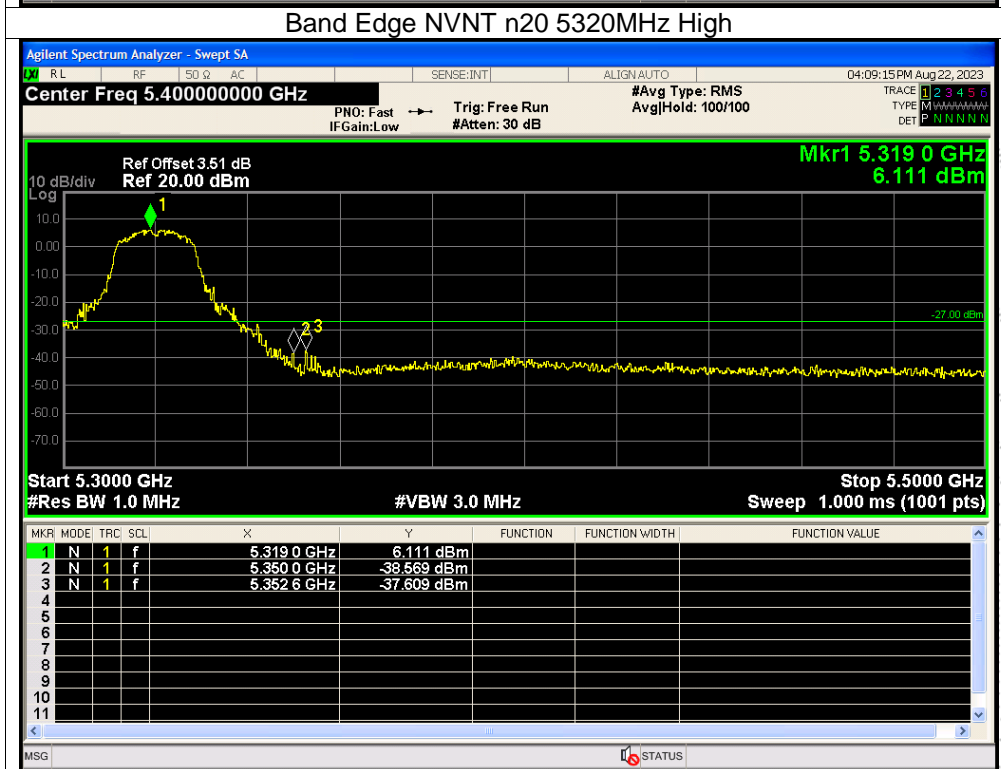
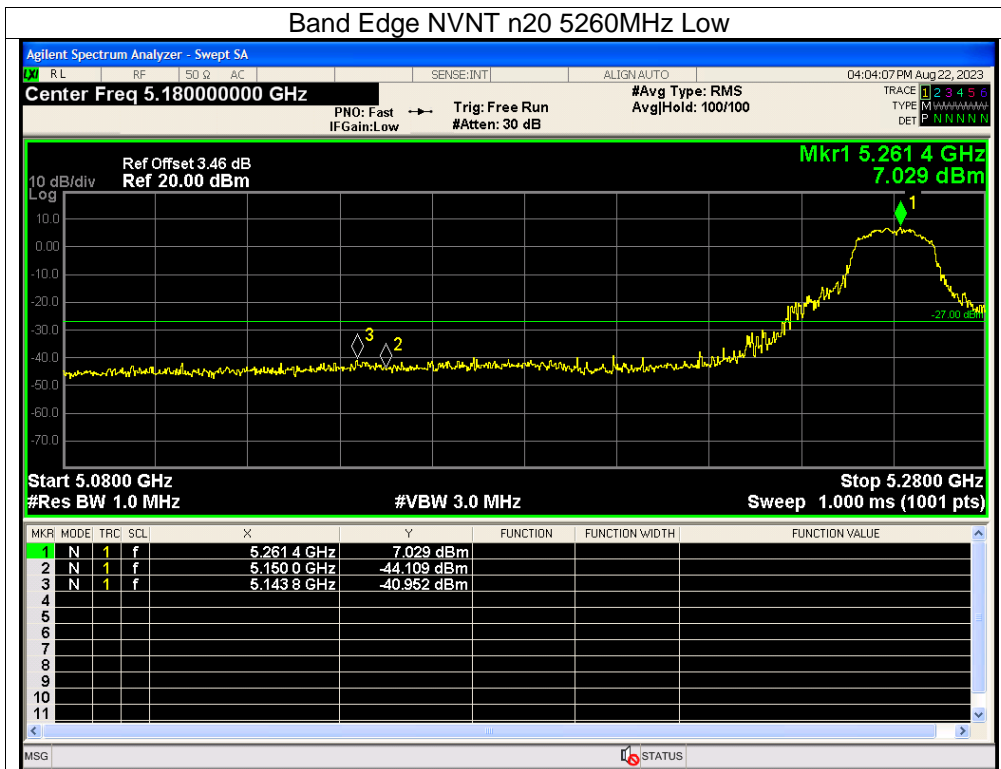
11.5 Test Result

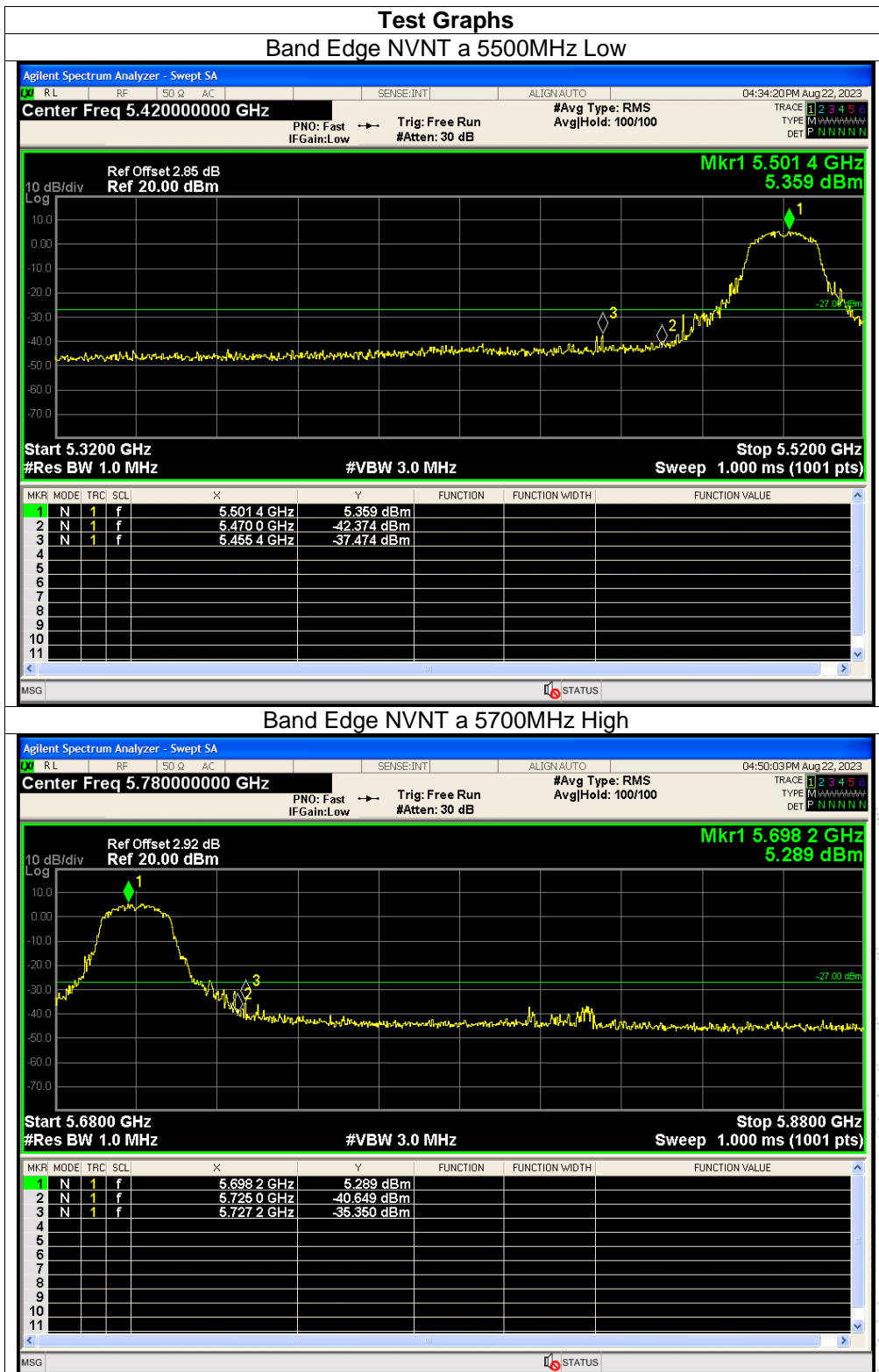


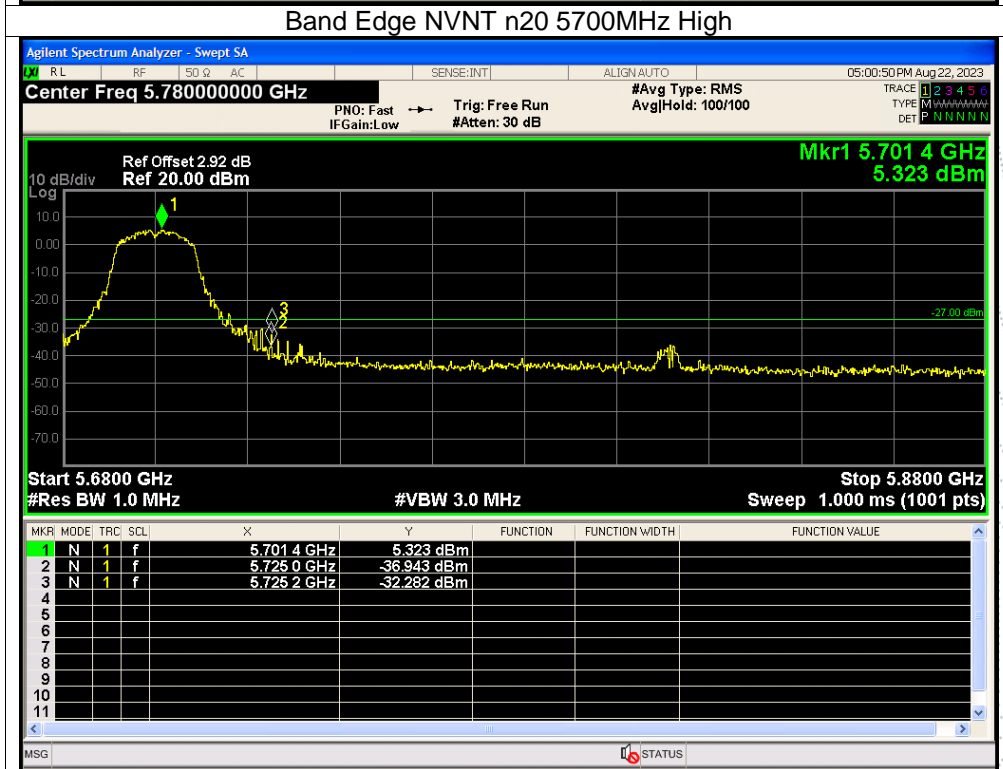
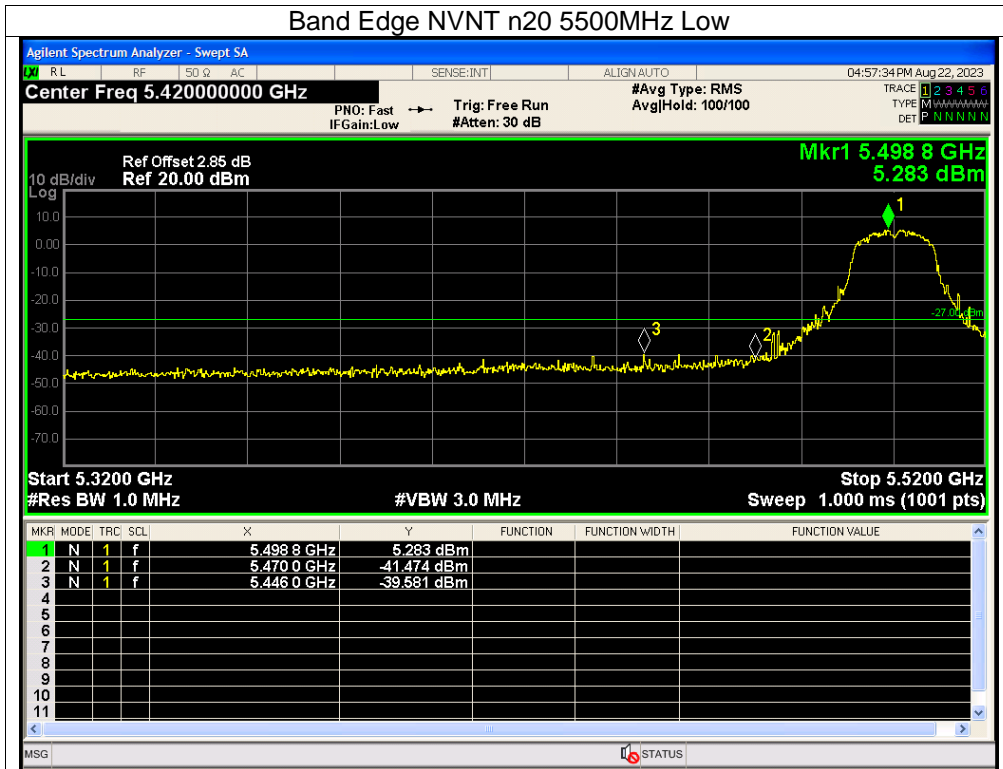




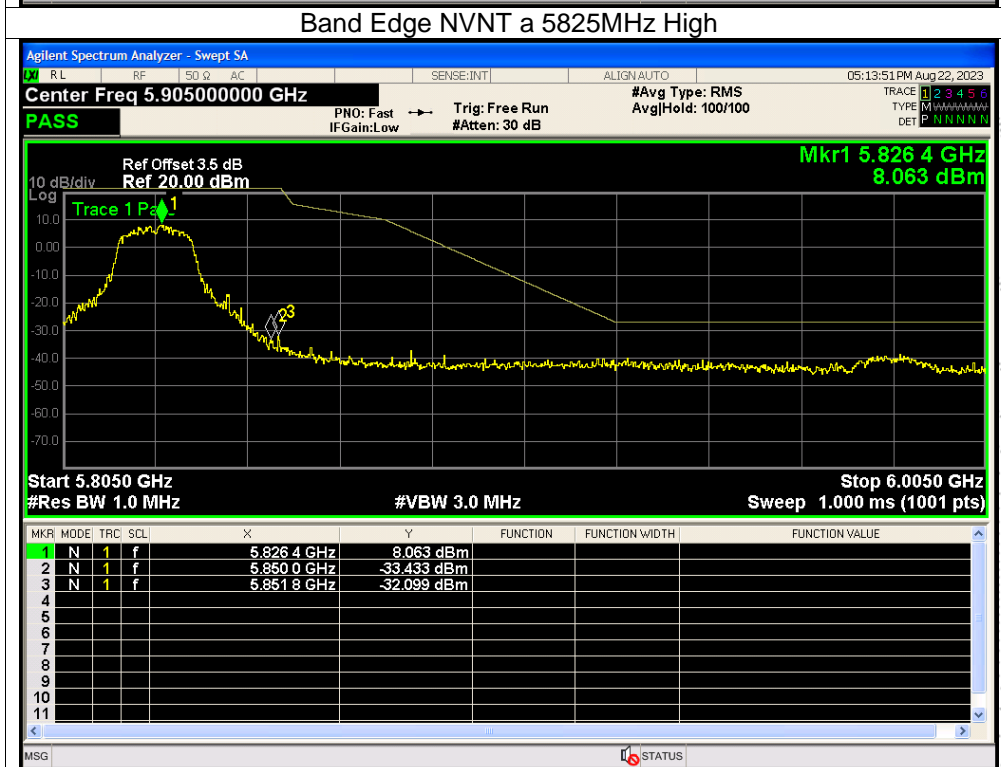
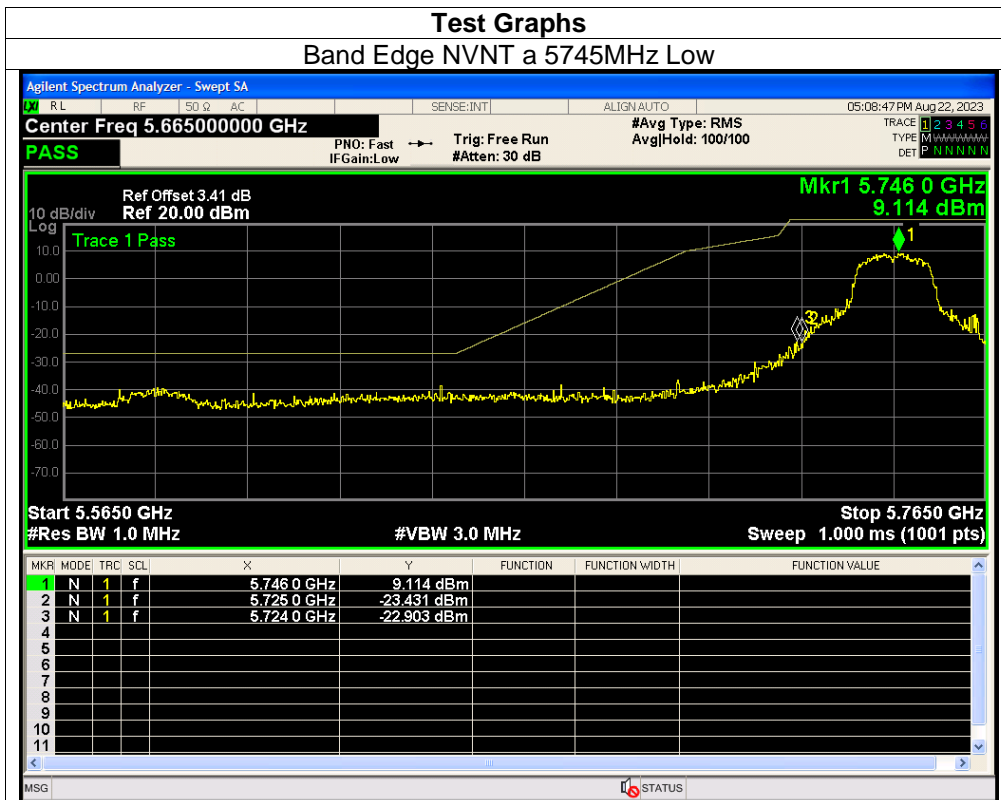
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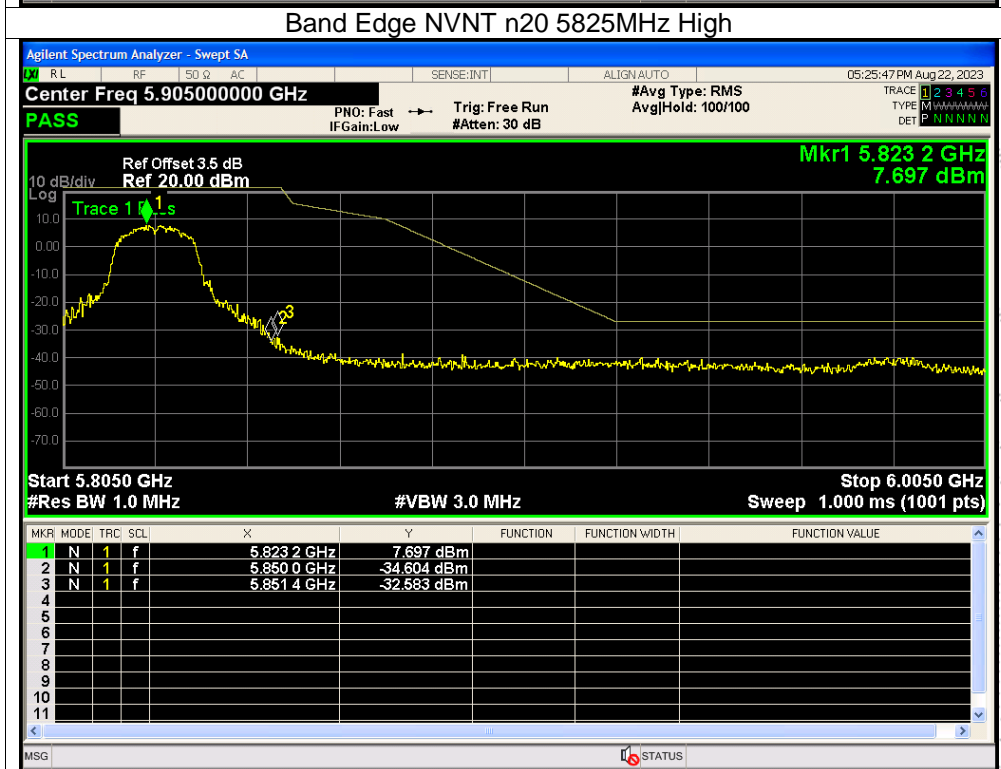
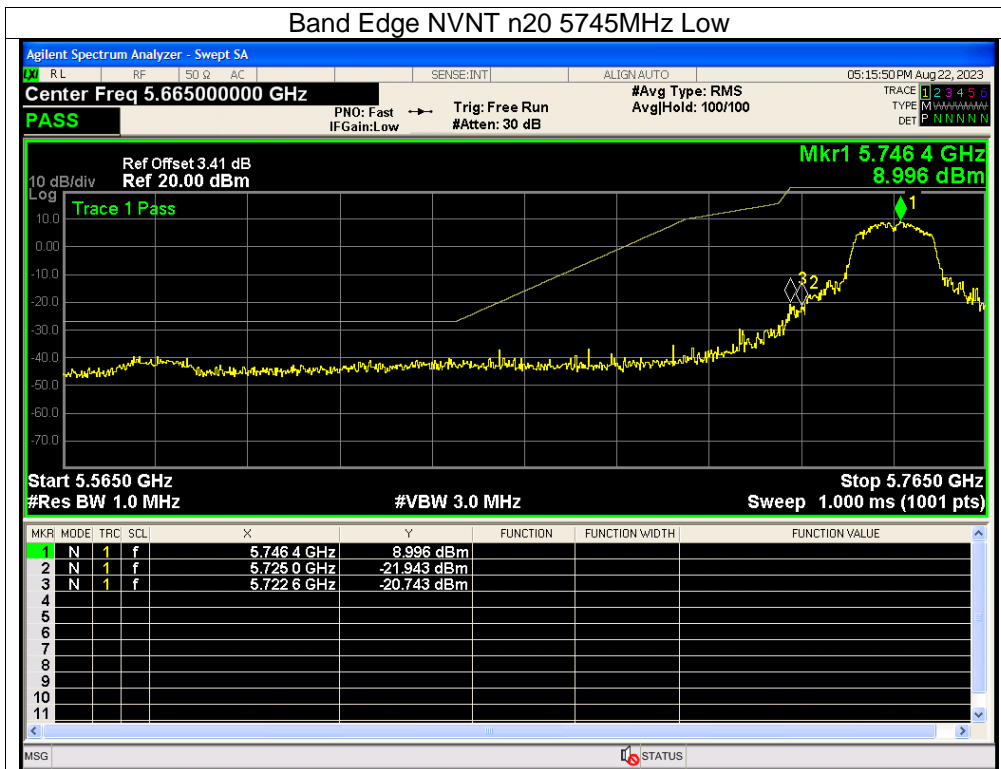




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12. Spurious RF Conducted Emissions

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 the band edge..

(3) For transmitters operating in the 5.25-5.35 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.

(4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

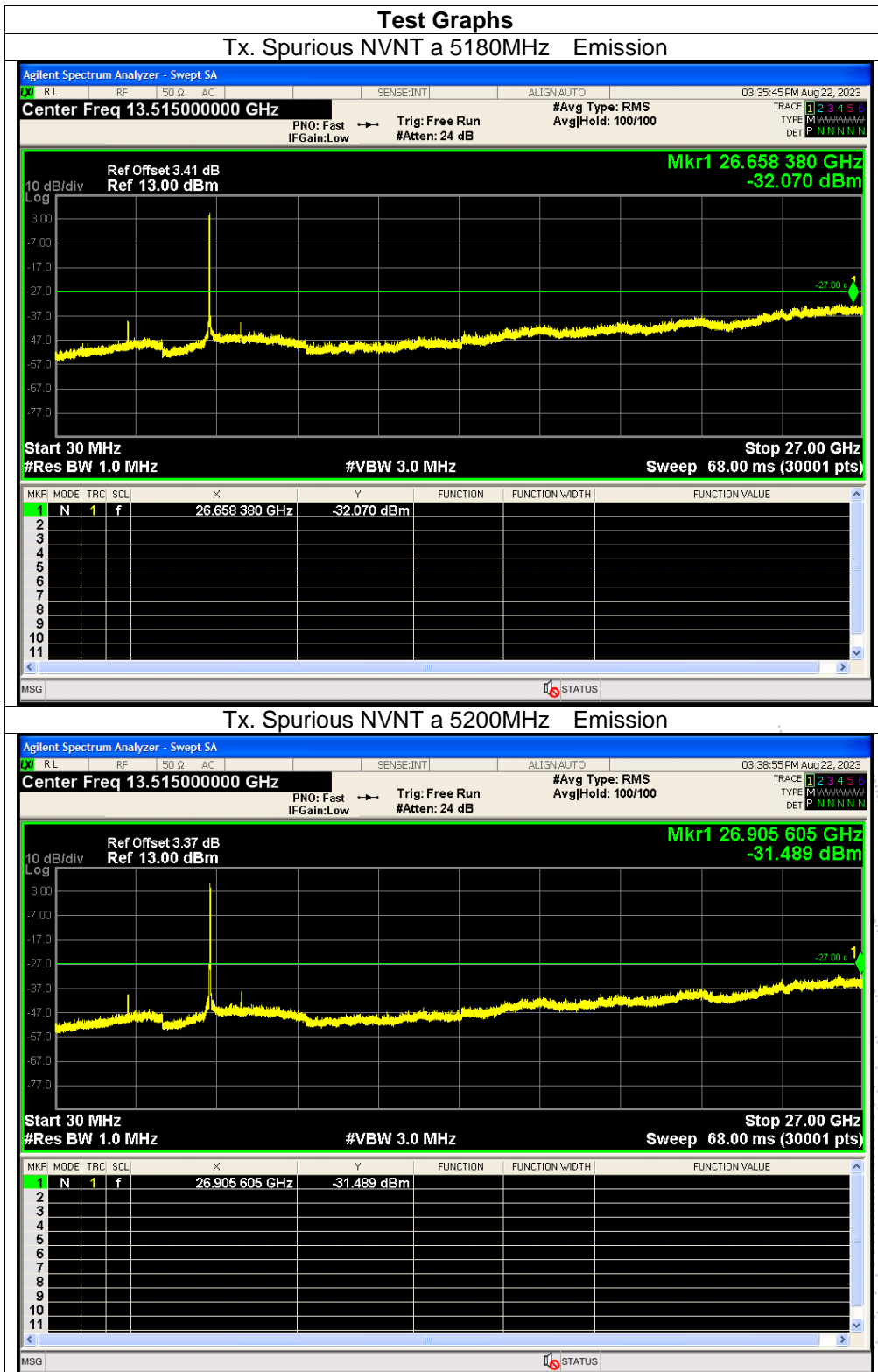
12.3 Test Procedure

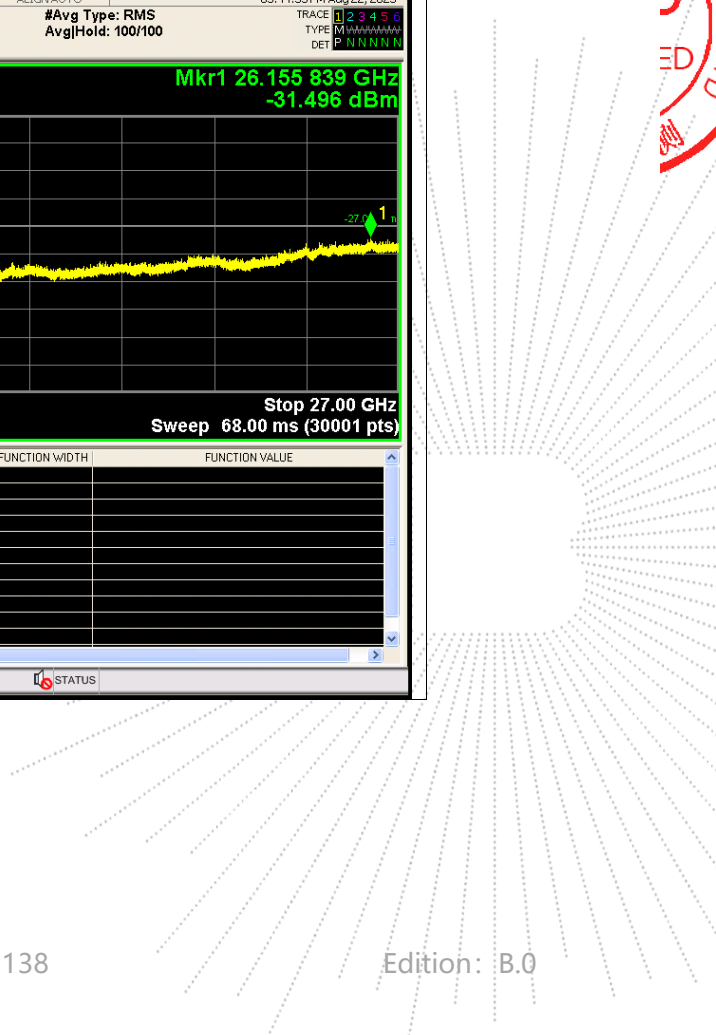
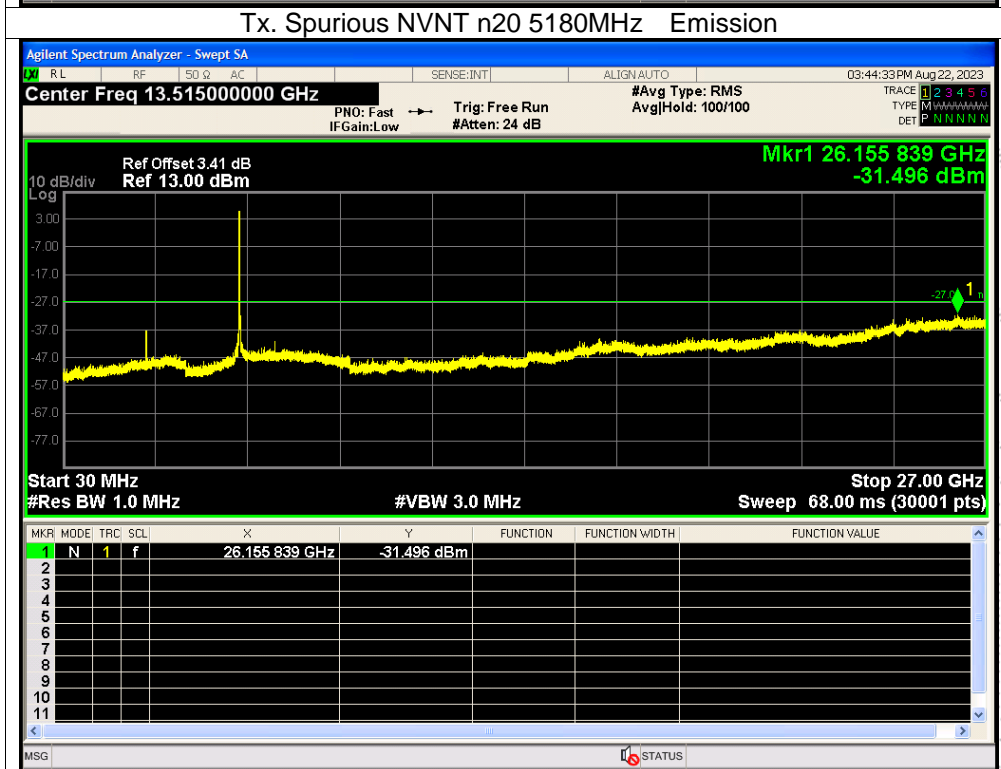
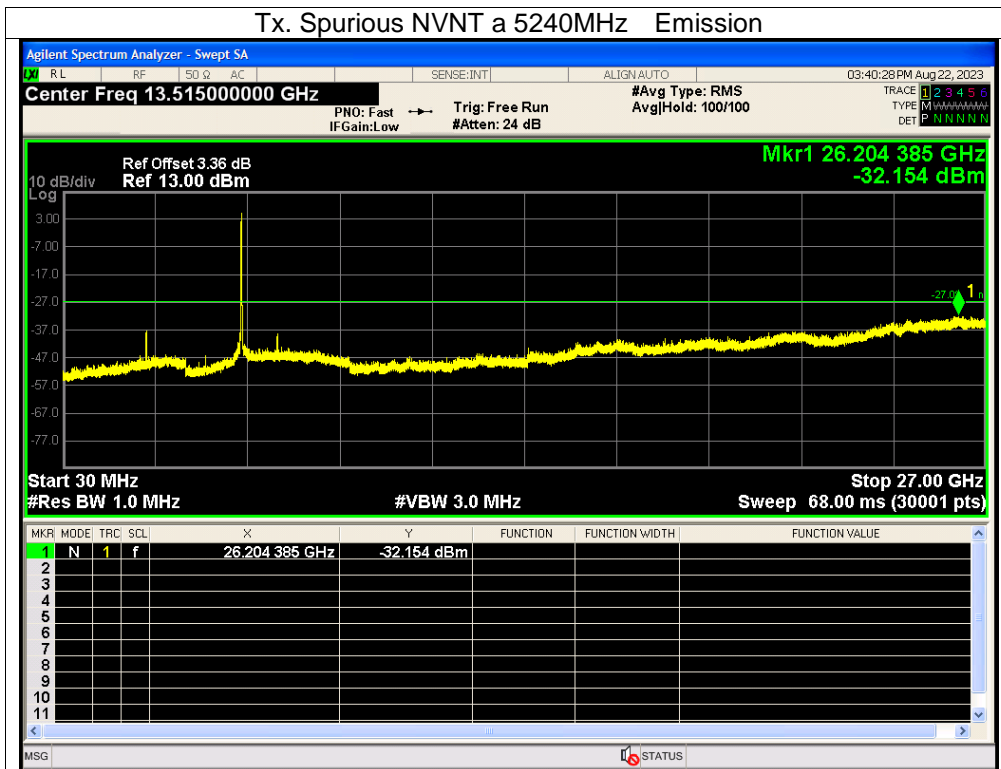
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then 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.

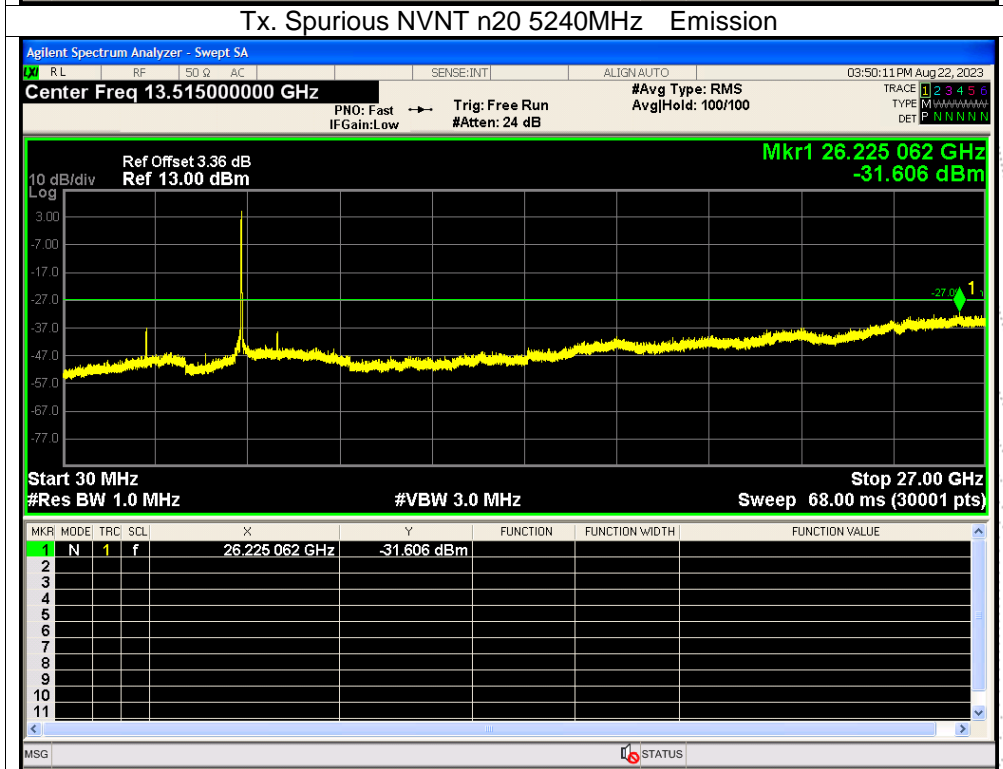
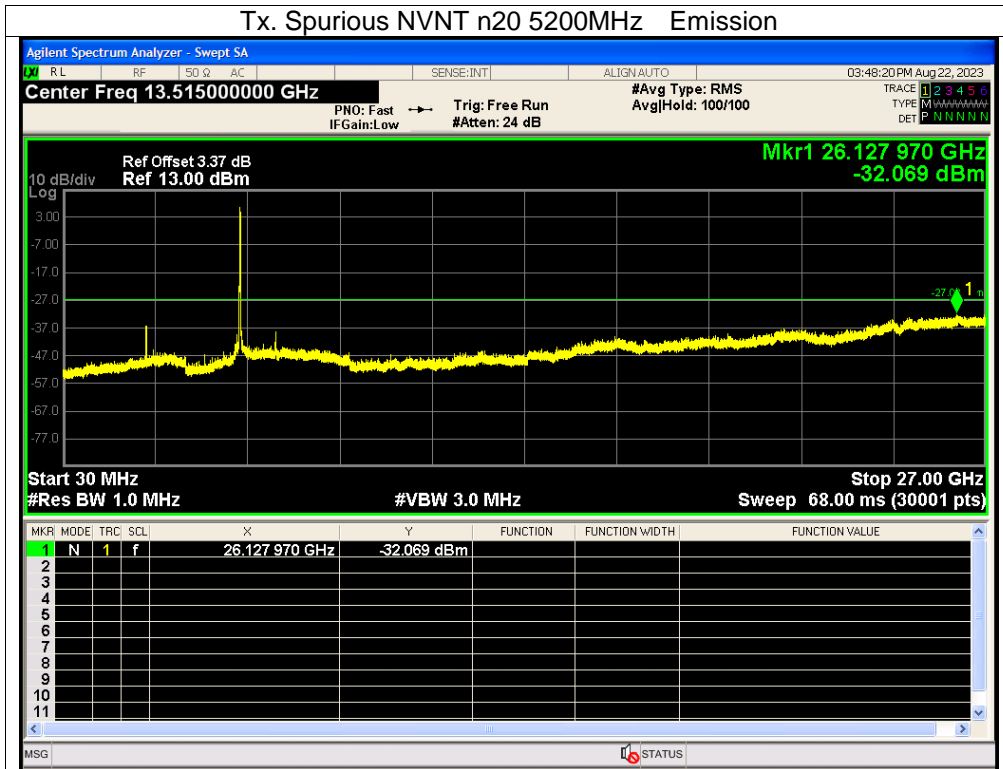
12.4 Test Result

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 bandedge measurement data.

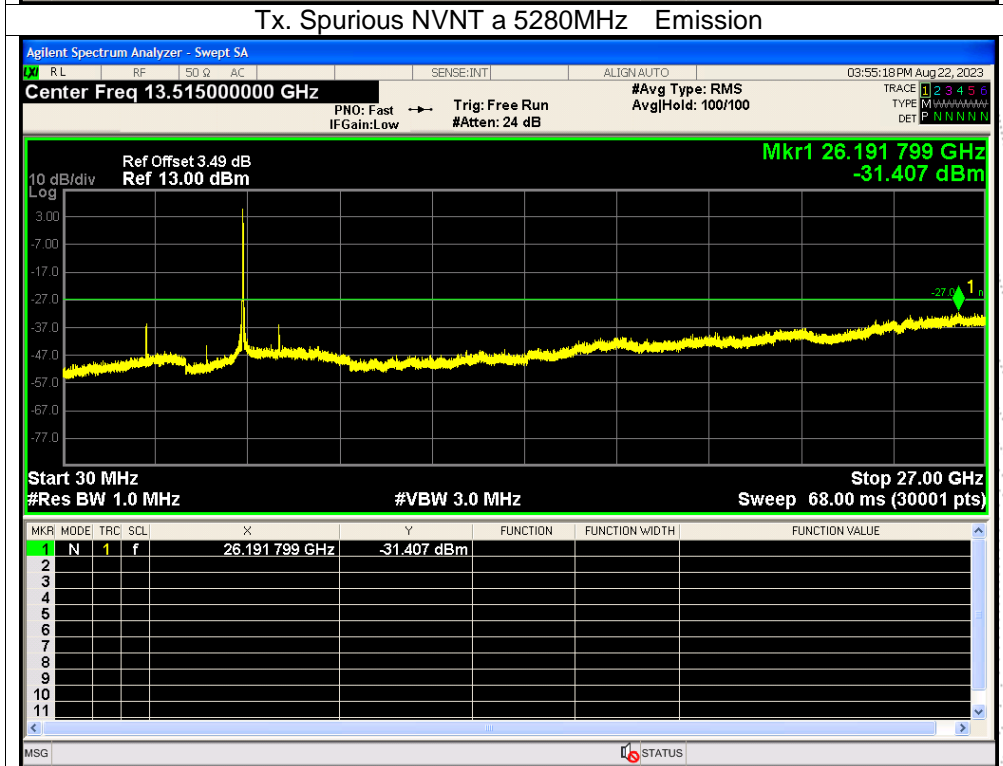
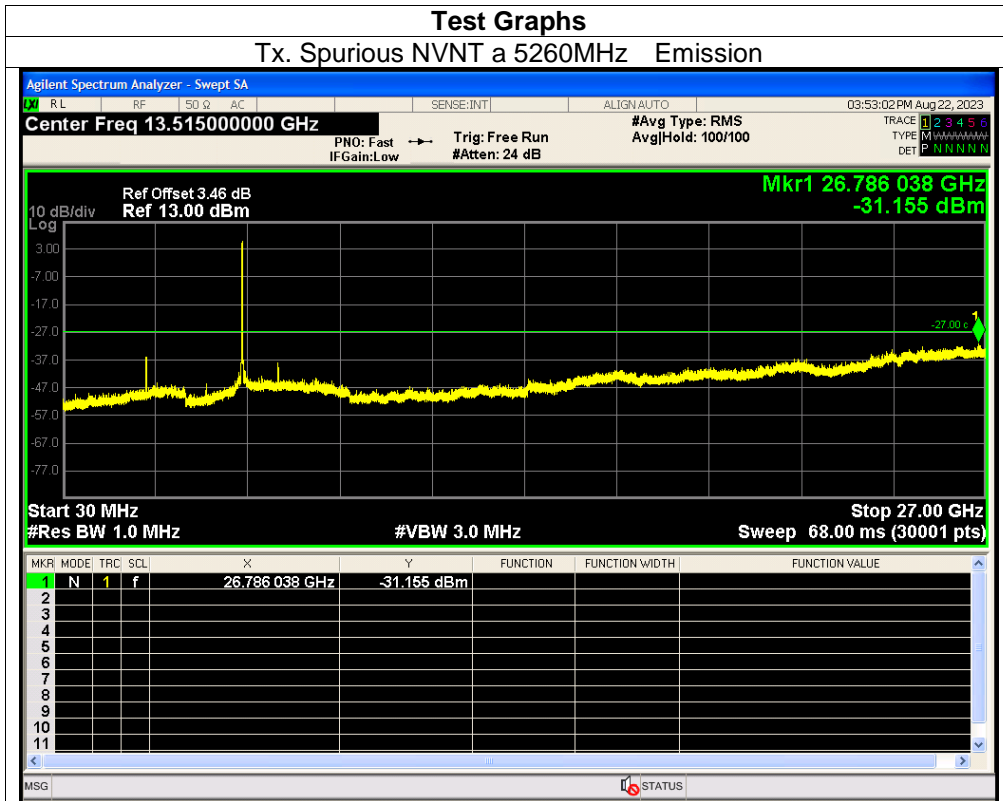
About: 26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



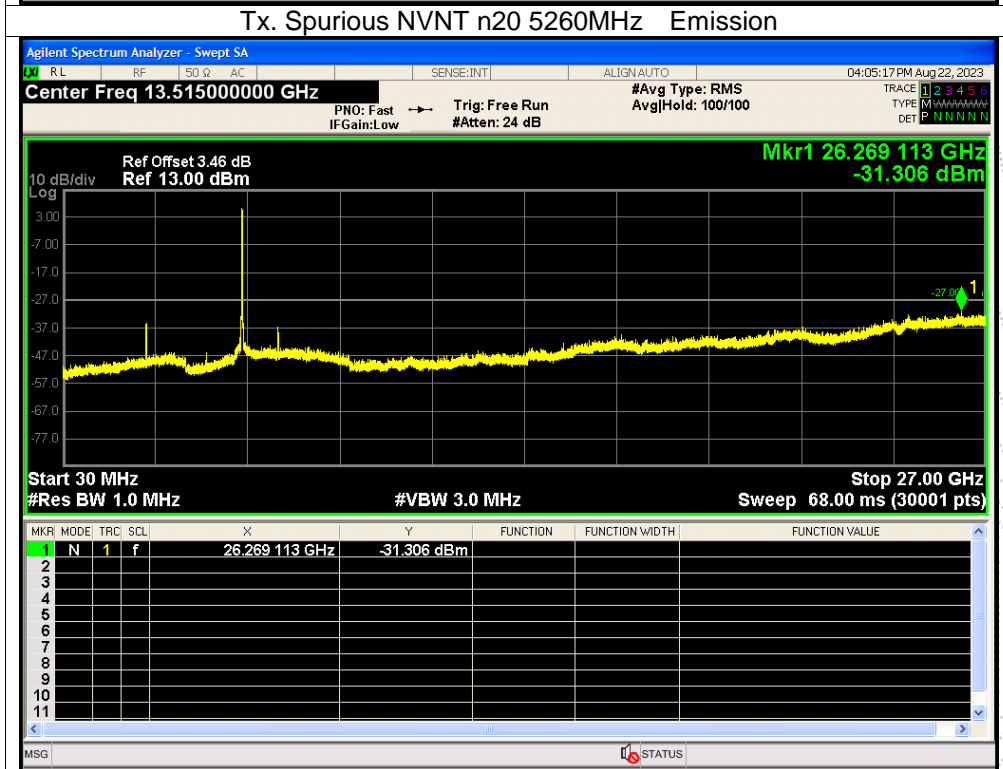
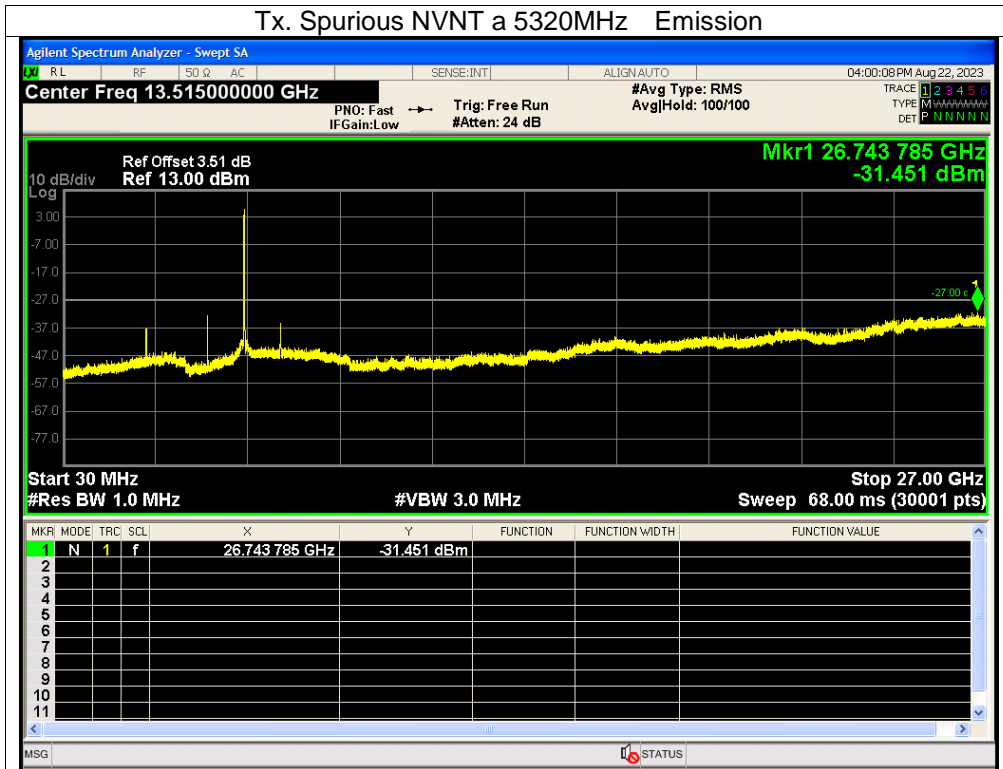


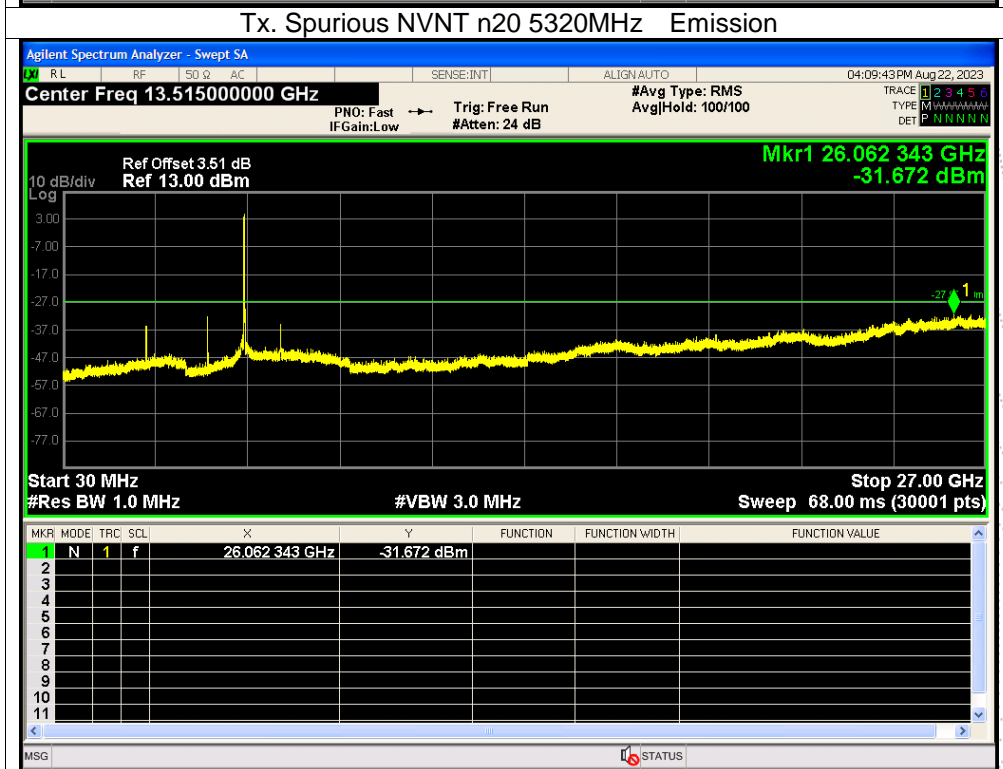
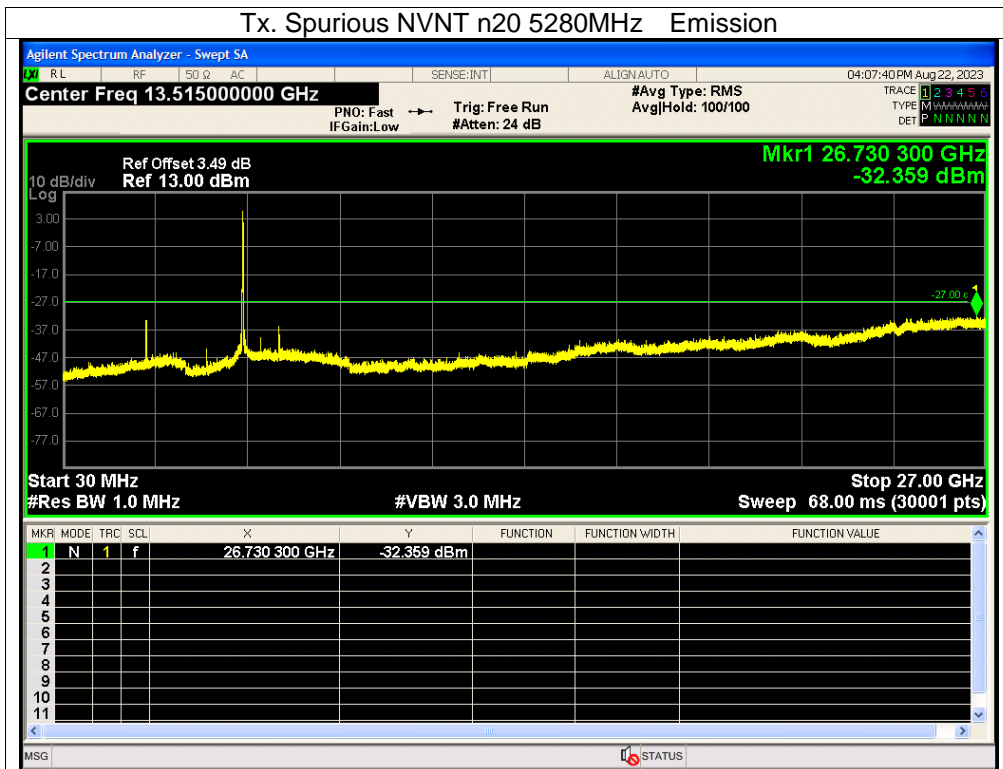


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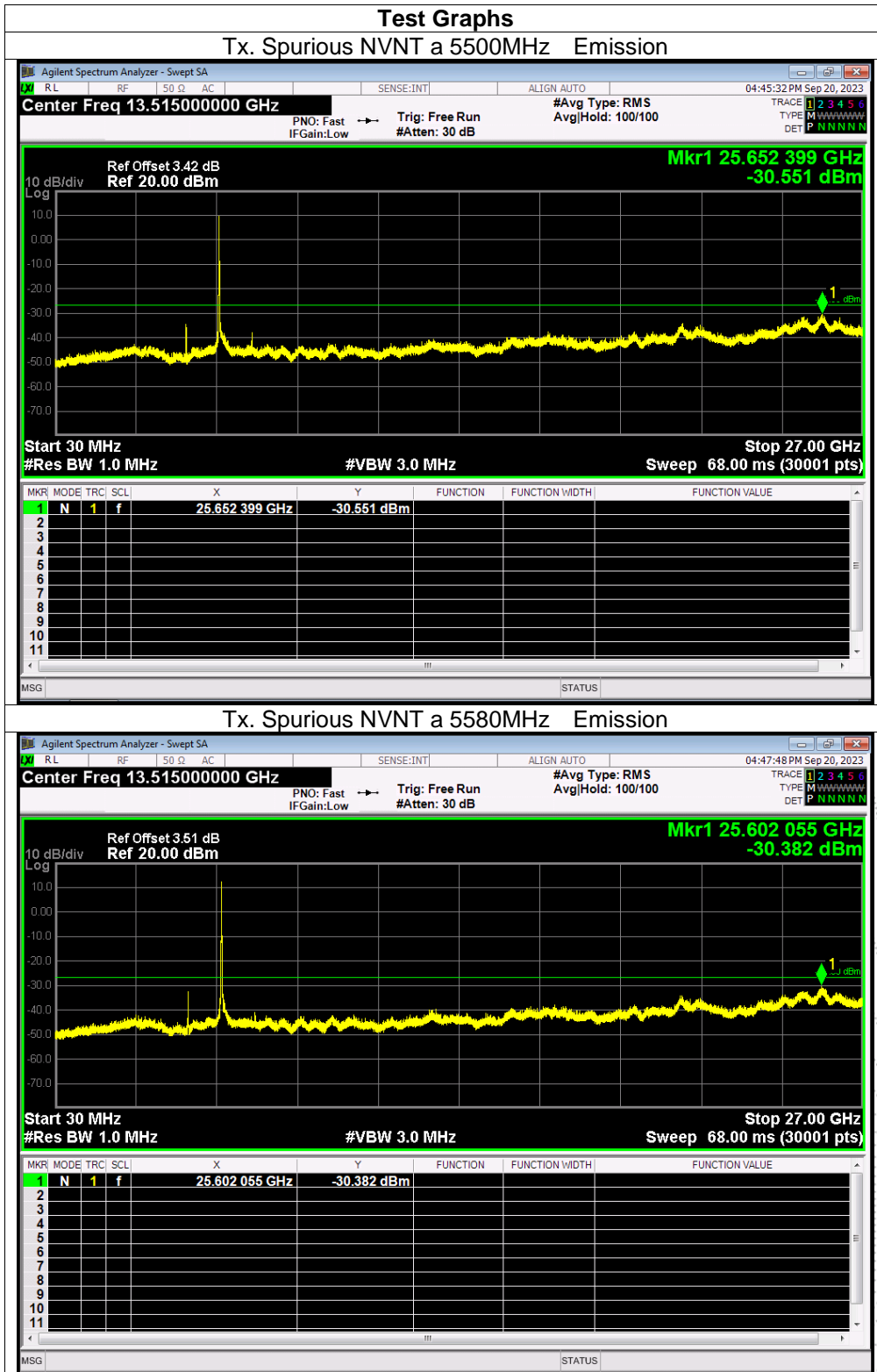


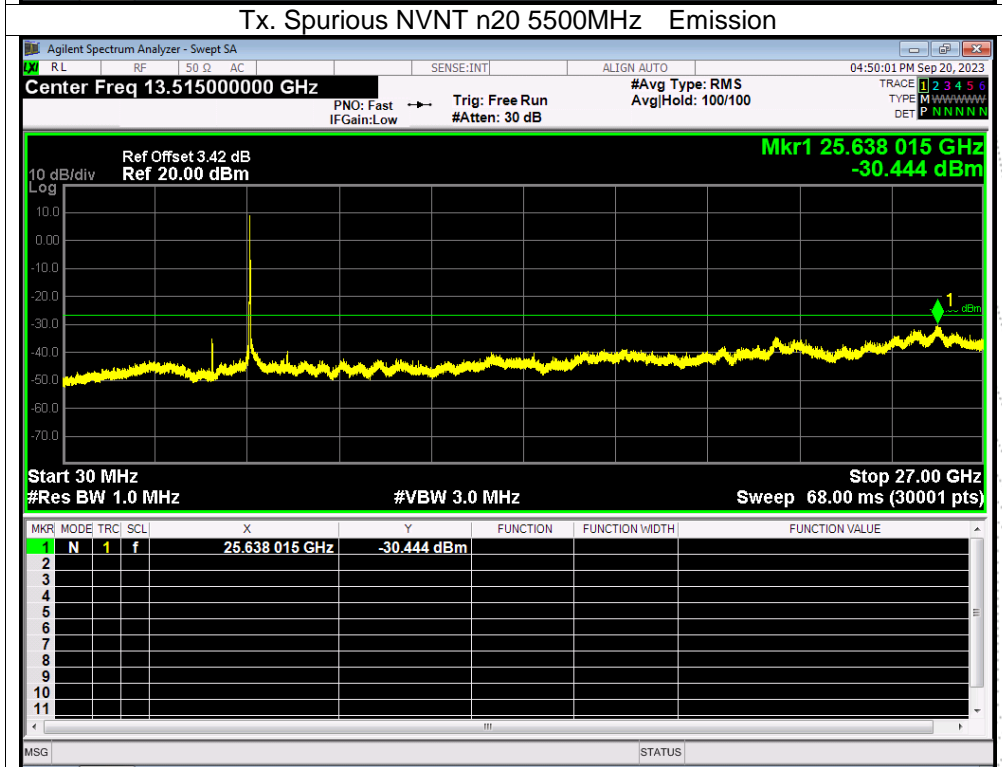
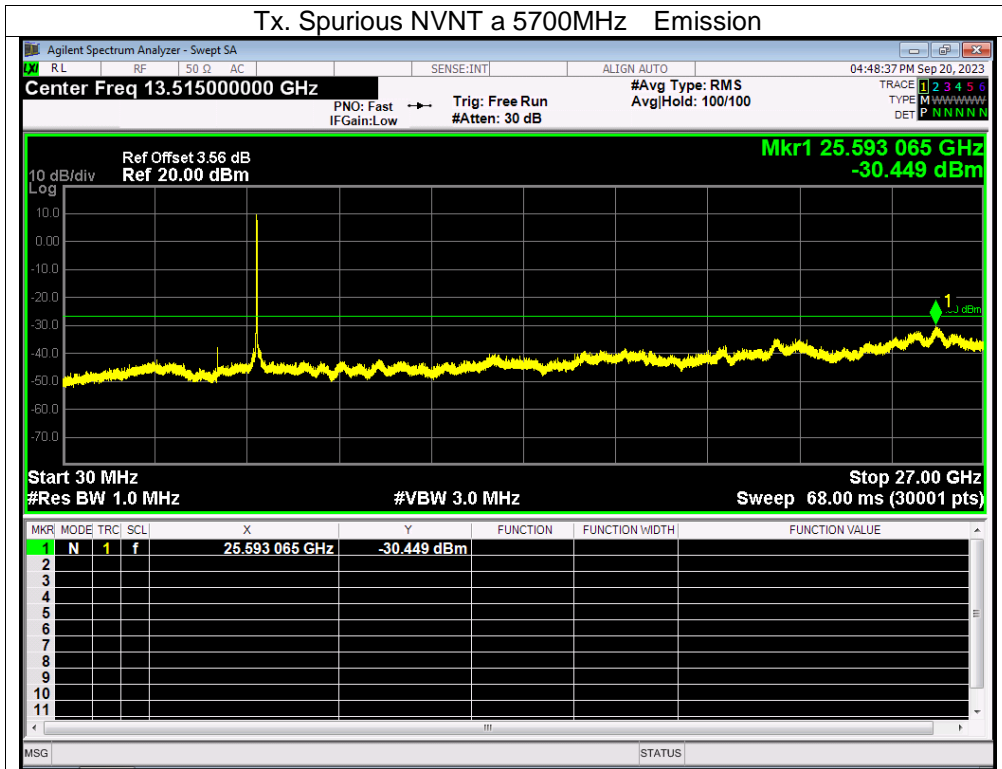
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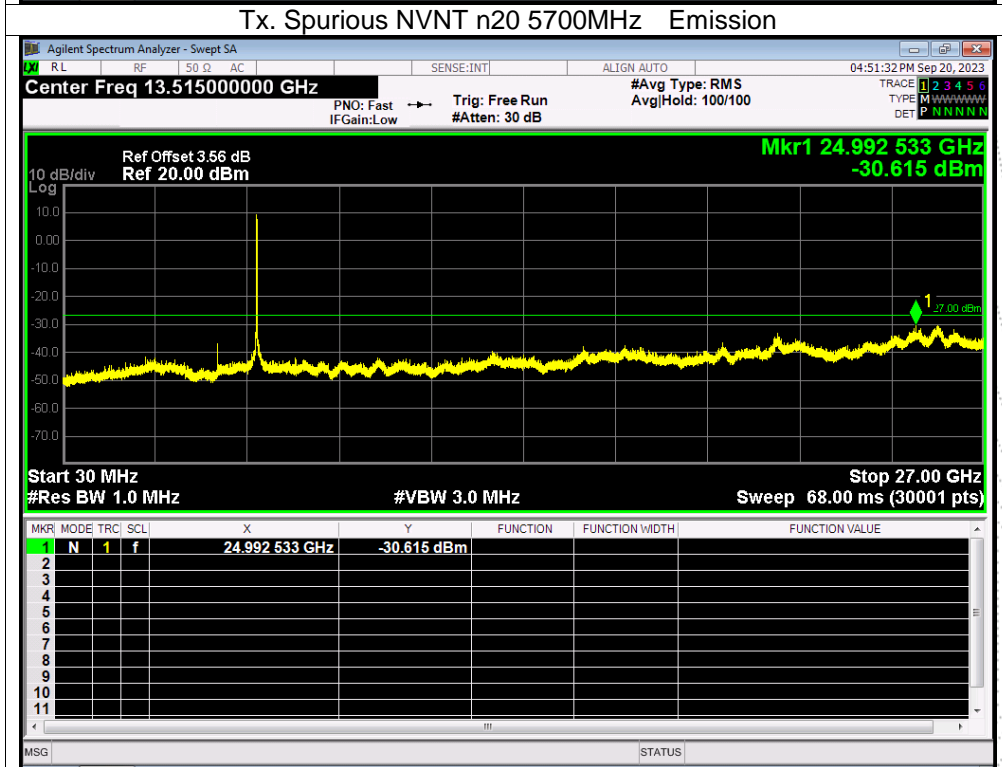
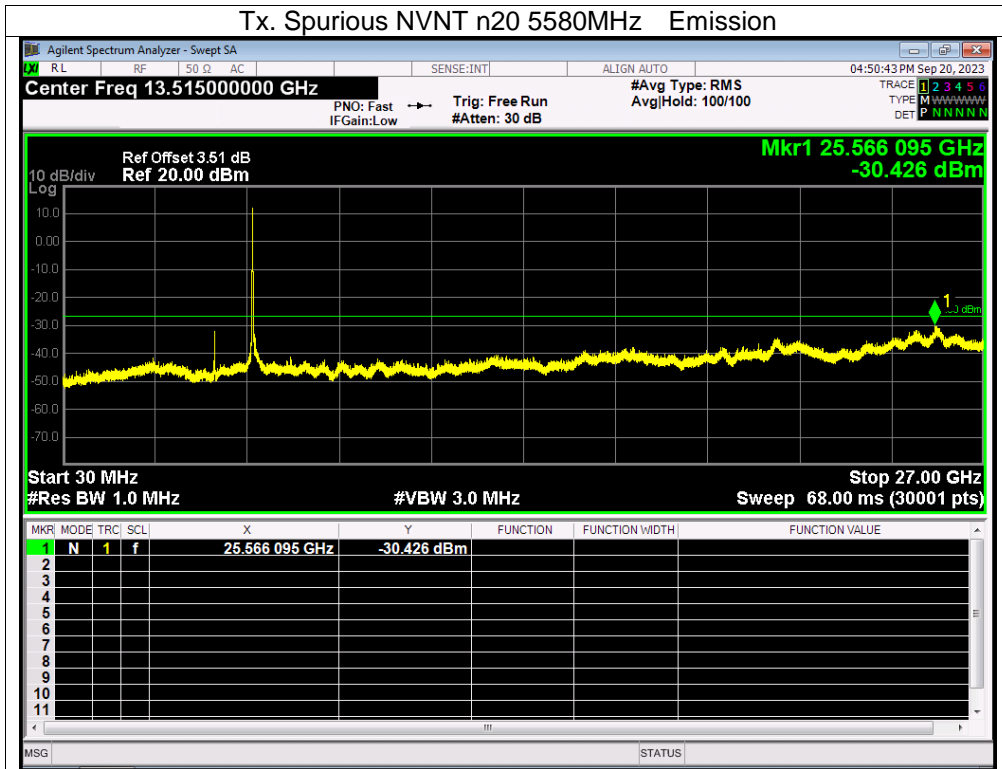




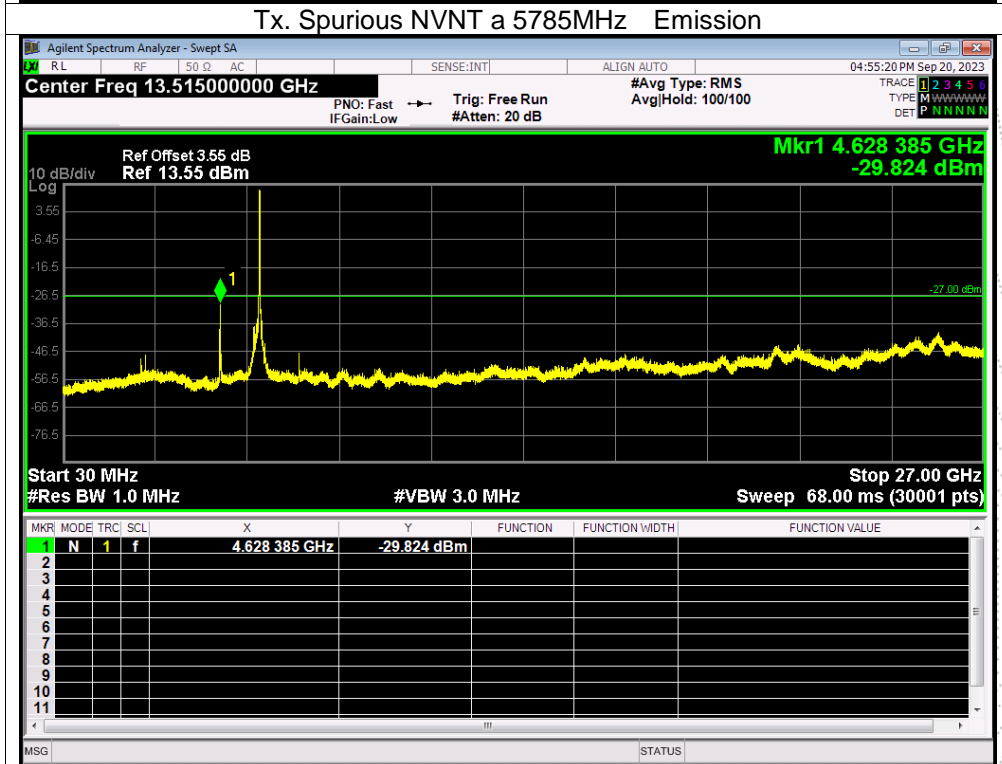
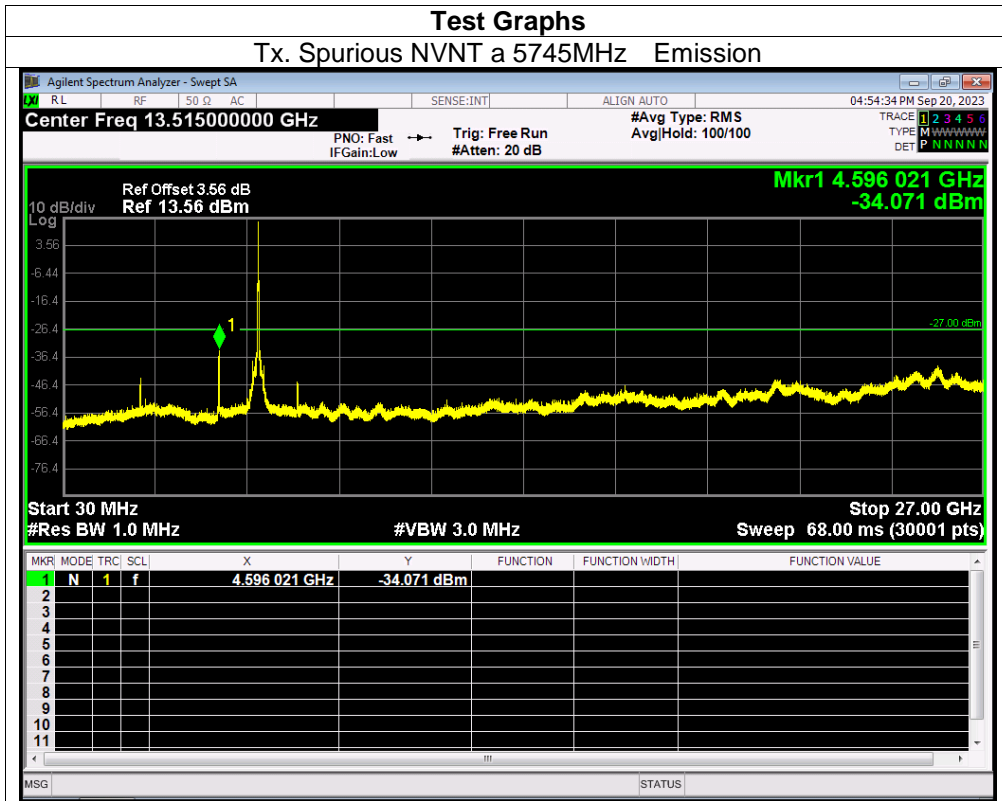
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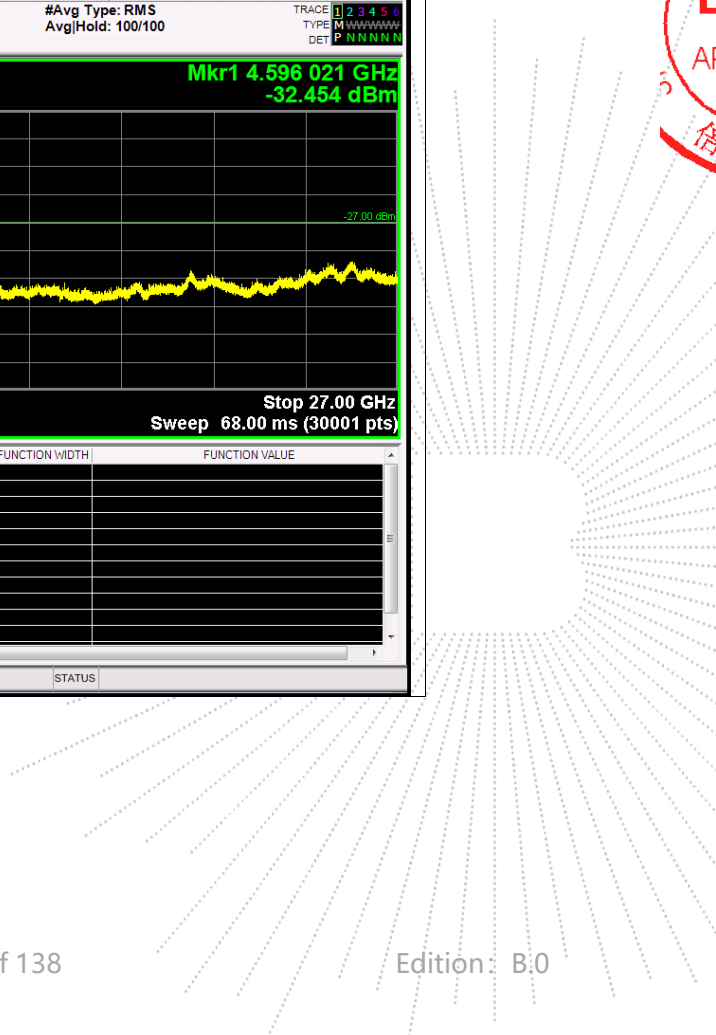
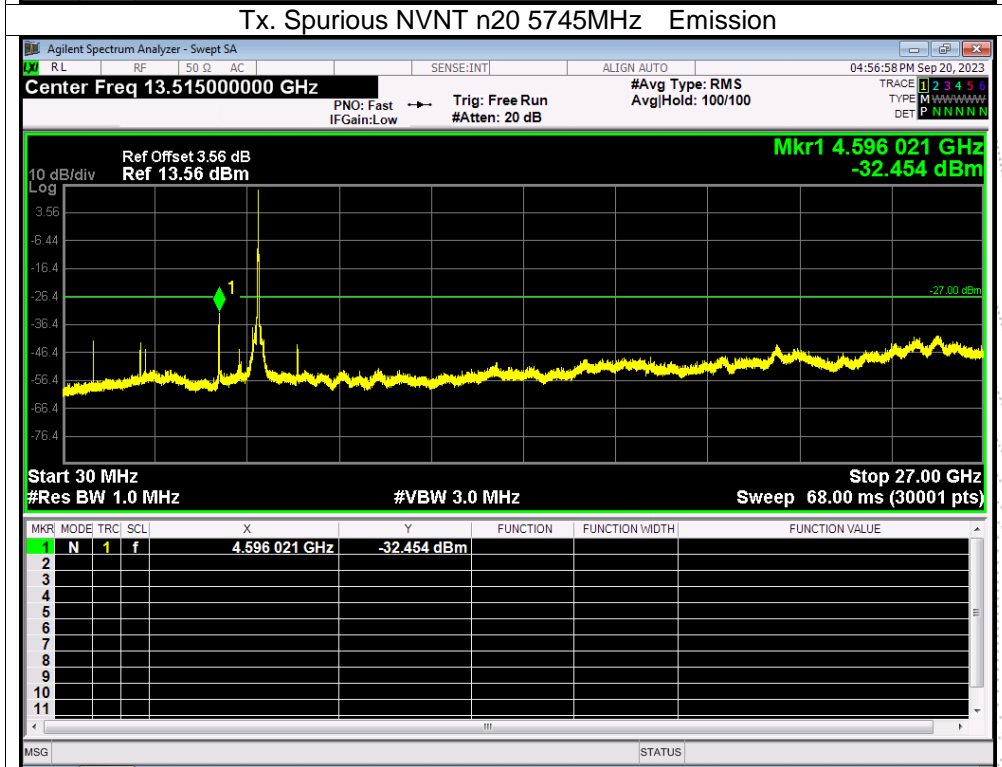
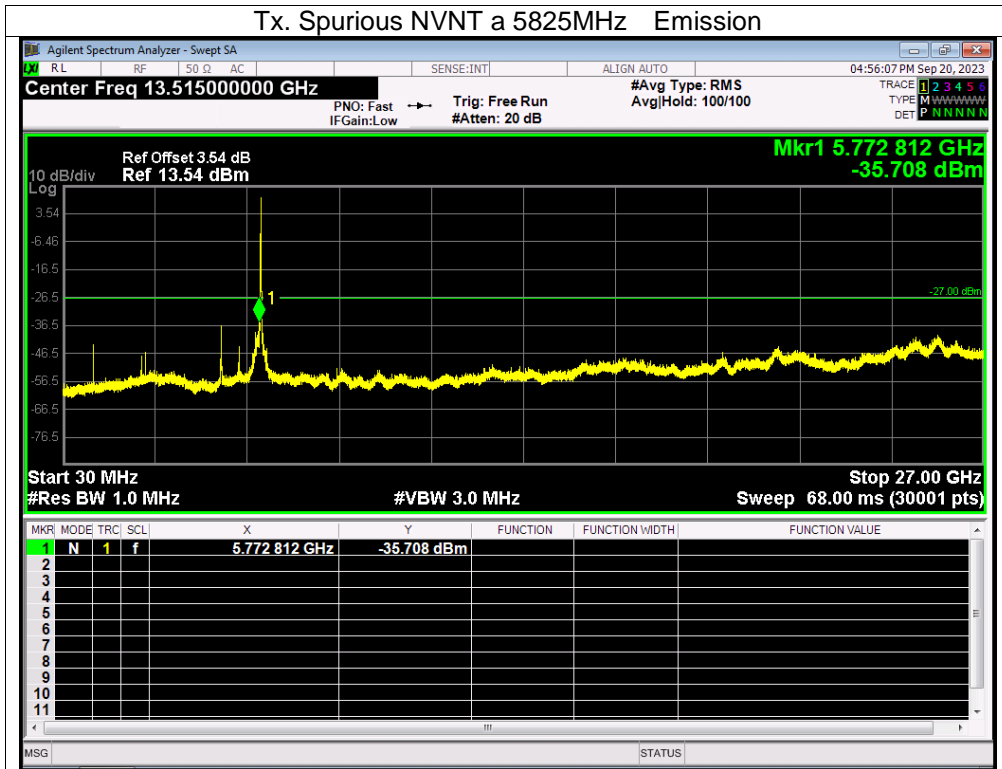


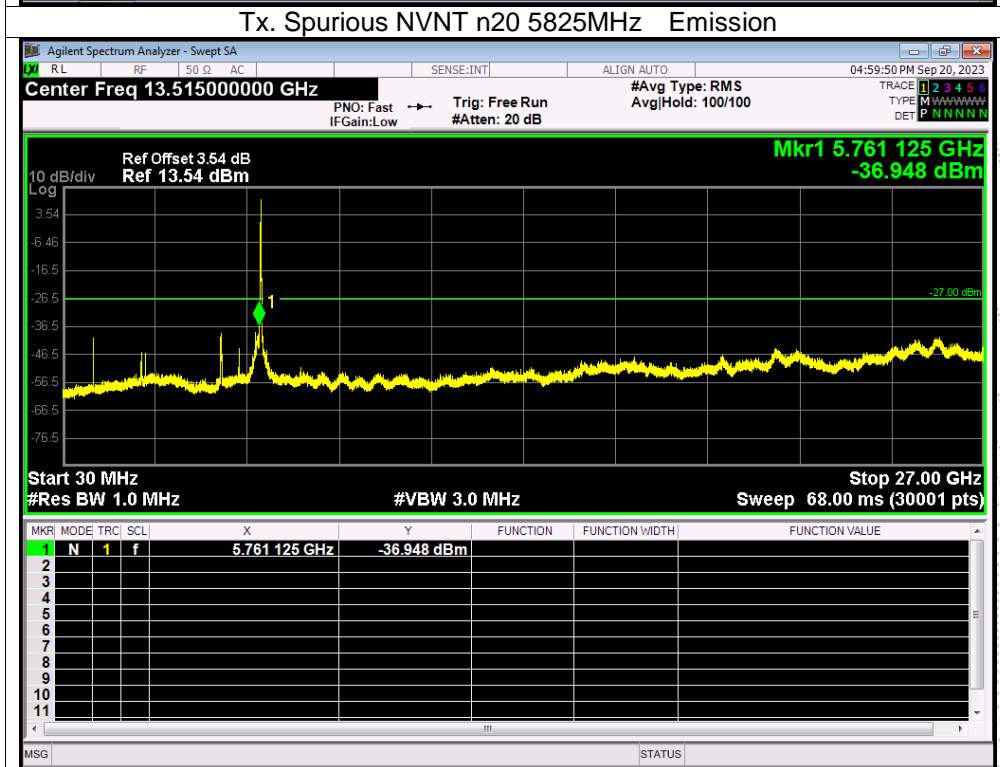
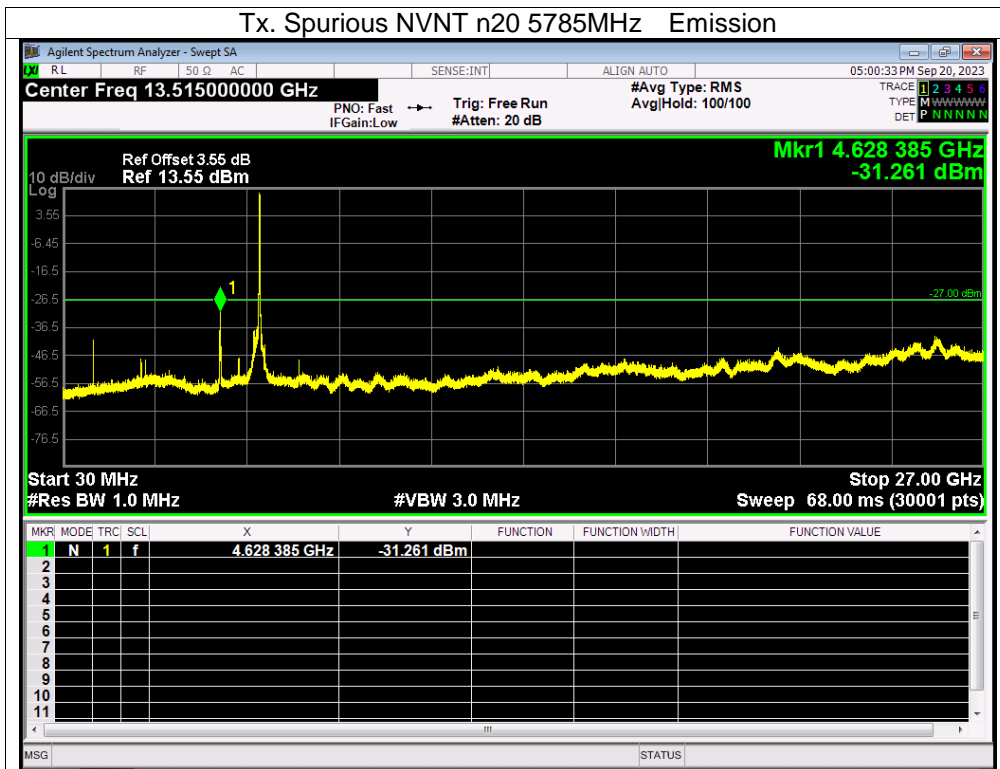


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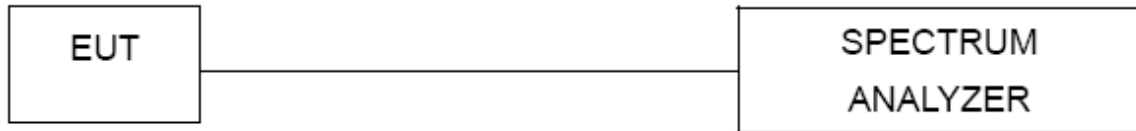




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13. Frequency Stability Measurement

13.1 Block Diagram Of Test Setup



13.2 Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification)..

13.3 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f) / f_c \times 10^6$ ppm and he limit is less than ± 20 ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is $-20^\circ\text{C} \sim 70^\circ\text{C}$.

13.4 Test Result

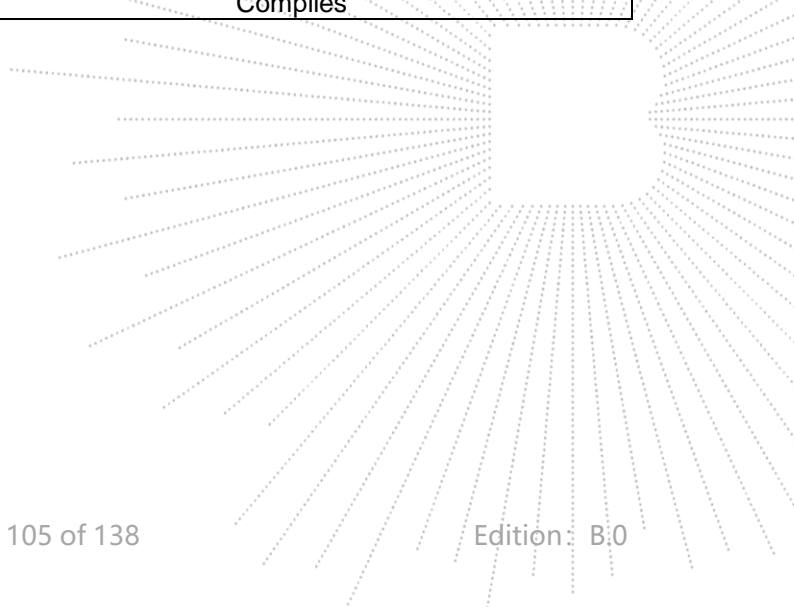
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX (5.1G) Mode Frequency U-NII-1 (5180-5240MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5180.0212	5180	0.0212	4.0858
		V max (V)	138.00	5180.0121	5180	0.0121	2.3412
		V min (V)	102.00	5180.0211	5180	0.0211	4.0647
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5180.0078	5180	0.0078	1.5069
		T (°C)	-10	5180.0102	5180	0.0102	1.9781
		T (°C)	0	5180.0069	5180	0.0069	1.3391
		T (°C)	10	5180.0093	5180	0.0093	1.7893
		T (°C)	20	5180.0095	5180	0.0095	1.8248
		T (°C)	30	5180.0011	5180	0.0011	0.2127
		T (°C)	40	5180.0130	5180	0.0130	2.5153
		T (°C)	50	5180.0003	5180	0.0003	0.0534
		T (°C)	60	5180.0043	5180	0.0043	0.8234
		T (°C)	70	5180.0104	5180	0.0104	2.0129
Limits				5150-5250 MHz			
Result				Complies			



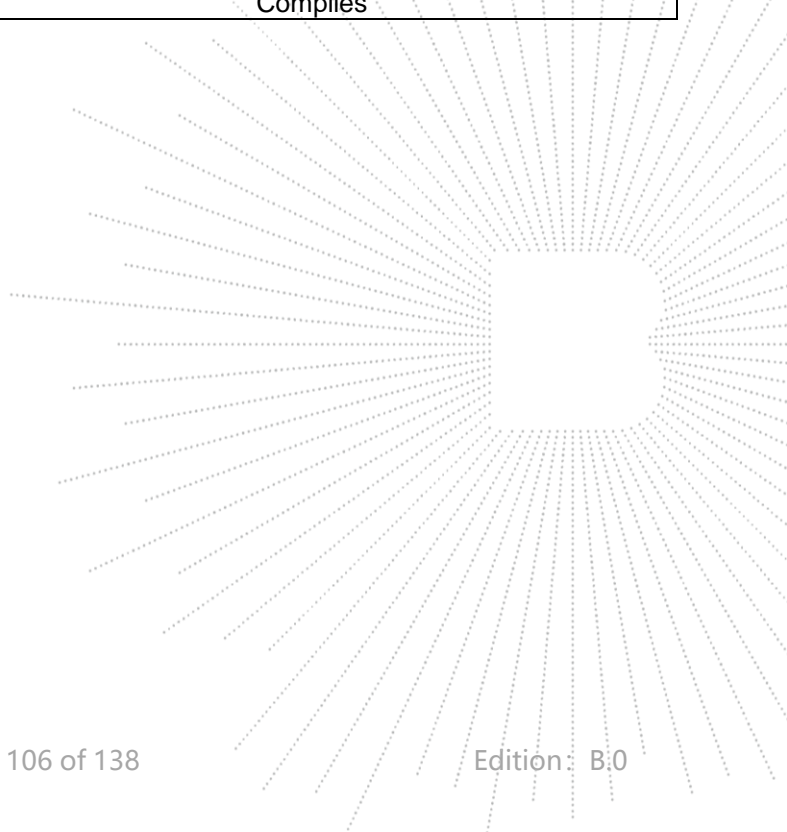
Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5200.0115	5200	0.0115	2.2106
		V max (V)	138.00	5200.0045	5200	0.0045	0.8687
		V min (V)	102.00	5200.0038	5200	0.0038	0.7284
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5200.01076	5200	0.01076	2.0699
		T (°C)	-10	5200.00214	5200	0.00214	0.4116
		T (°C)	0	5200.00358	5200	0.00358	0.6893
		T (°C)	10	5200.00708	5200	0.00708	1.3618
		T (°C)	20	5200.00528	5200	0.00528	1.0149
		T (°C)	30	5200.01051	5200	0.01051	2.0206
		T (°C)	40	5200.00435	5200	0.00435	0.8371
		T (°C)	50	5200.01185	5200	0.01185	2.2795
		T (°C)	60	5200.01090	5200	0.01090	2.0968
		T (°C)	70	5200.01014	5200	0.01014	1.9492
Limits				5150-5250 MHz			
Result				Complies			

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Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5240.0099	5240	0.0099	1.8831
		V max (V)	138.00	5240.0012	5240	0.0012	0.2281
		V min (V)	102.00	5240.0003	5240	0.0003	0.0666
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5240.0129	5240	0.0129	2.4594
		T (°C)	-10	5240.0104	5240	0.0104	1.9817
		T (°C)	0	5240.0015	5240	0.0015	0.2931
		T (°C)	10	5240.0067	5240	0.0067	1.2773
		T (°C)	20	5240.0004	5240	0.0004	0.0695
		T (°C)	30	5240.0052	5240	0.0052	1.0009
		T (°C)	40	5240.0128	5240	0.0128	2.4391
		T (°C)	50	5240.0107	5240	0.0107	2.0506
		T (°C)	60	5240.0081	5240	0.0081	1.5514
		T (°C)	70	5240.0086	5240	0.0086	1.6433
Limits				5150-5250 MHz			
Result				Complies			

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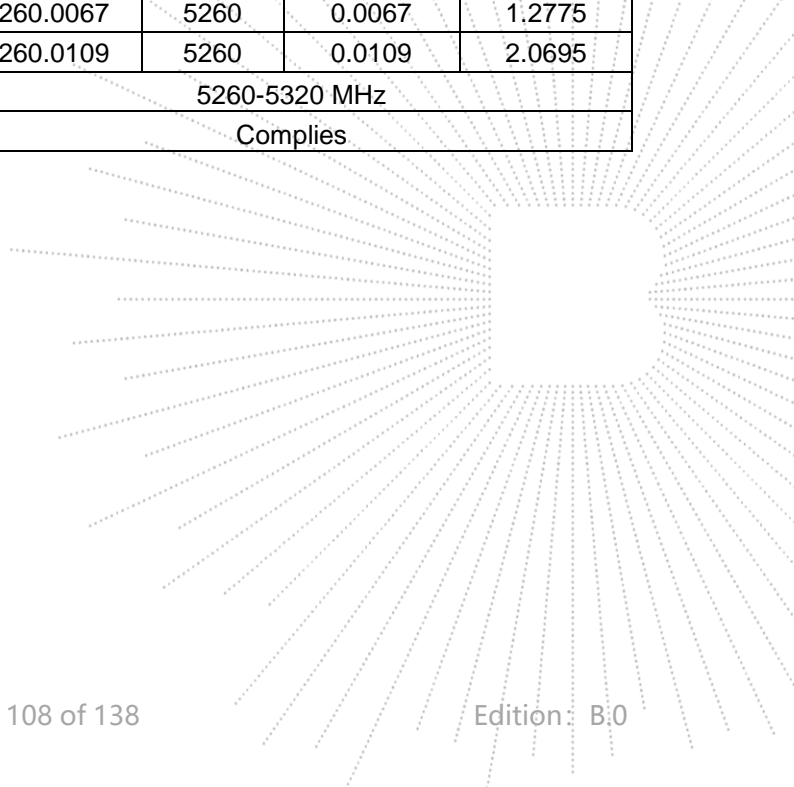
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX (5.3G) Mode Frequency U-NII-2A (5260-5320MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5260.0188	5260	0.0188	3.5728
		V max (V)	138.00	5260.0072	5260	0.0072	1.3680
		V min (V)	102.00	5260.0121	5260	0.0121	2.3032
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5260.0098	5260	0.0098	1.8553
		T (°C)	-10	5260.0115	5260	0.0115	2.1877
		T (°C)	0	5260.0009	5260	0.0009	0.1679
		T (°C)	10	5260.0098	5260	0.0098	1.8597
		T (°C)	20	5260.0055	5260	0.0055	1.0508
		T (°C)	30	5260.0132	5260	0.0132	2.5153
		T (°C)	40	5260.0087	5260	0.0087	1.6571
		T (°C)	50	5260.0125	5260	0.0125	2.3776
		T (°C)	60	5260.0067	5260	0.0067	1.2775
		T (°C)	70	5260.0109	5260	0.0109	2.0695
Limits				5260-5320 MHz			
Result				Complies			



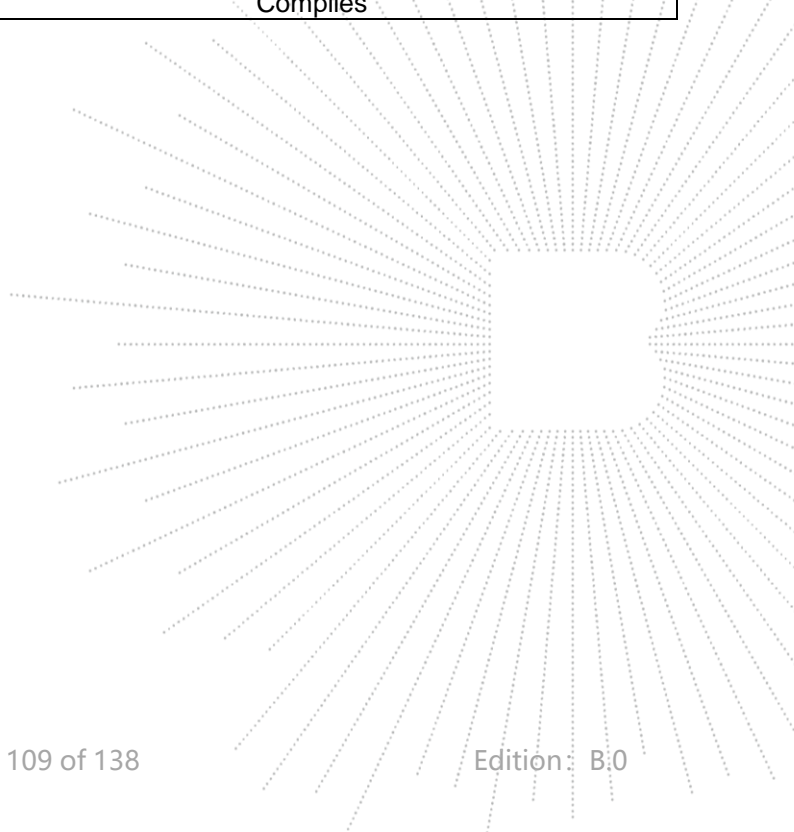
Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5280.0117	5280	0.0117	2.2225
		V max (V)	138.00	5280.0035	5280	0.0035	0.6630
		V min (V)	102.00	5280.0131	5280	0.0131	2.4752
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5280.01344	5280	0.01344	2.5454
		T (°C)	-10	5280.00582	5280	0.00582	1.1031
		T (°C)	0	5280.00046	5280	0.00046	0.0872
		T (°C)	10	5280.00934	5280	0.00934	1.7694
		T (°C)	20	5280.01227	5280	0.01227	2.3238
		T (°C)	30	5280.00644	5280	0.00644	1.2196
		T (°C)	40	5280.00071	5280	0.00071	0.1344
		T (°C)	50	5280.00296	5280	0.00296	0.5614
		T (°C)	60	5280.01212	5280	0.01212	2.2955
		T (°C)	70	5280.01233	5280	0.01233	2.3359
Limits				5260-5320 MHz			
Result				Complies			

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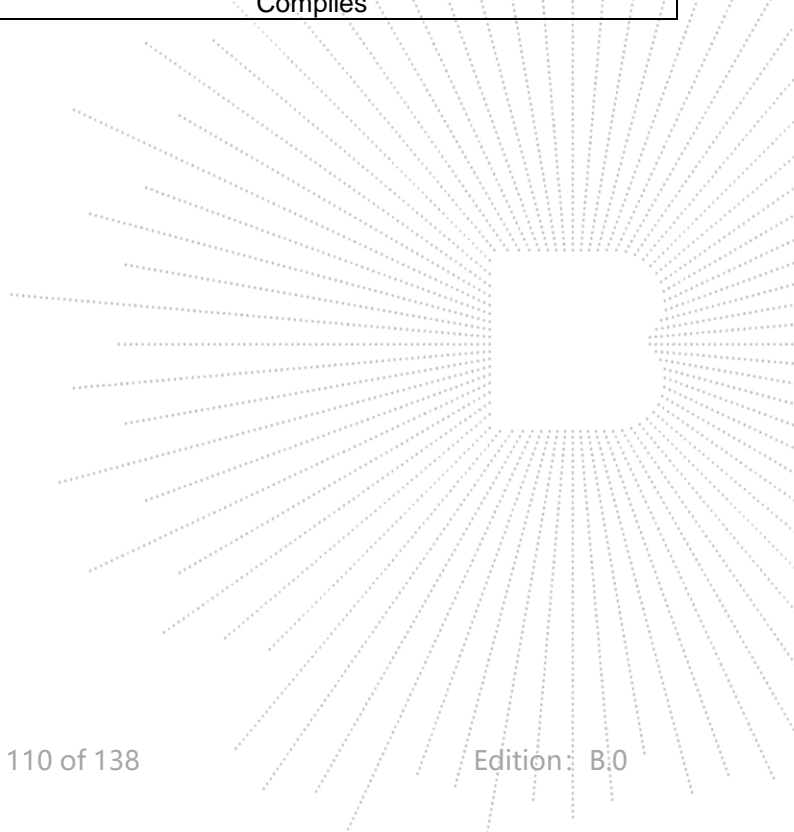


Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5320.0111	5320	0.0111	2.0784
		V max (V)	138.00	5320.0117	5320	0.0117	2.2077
		V min (V)	102.00	5320.0027	5320	0.0027	0.5049
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5320.0105	5320	0.0105	1.9738
		T (°C)	-10	5320.0024	5320	0.0024	0.4472
		T (°C)	0	5320.0060	5320	0.0060	1.1258
		T (°C)	10	5320.0074	5320	0.0074	1.3957
		T (°C)	20	5320.0105	5320	0.0105	1.9738
		T (°C)	30	5320.0047	5320	0.0047	0.8760
		T (°C)	40	5320.0085	5320	0.0085	1.6045
		T (°C)	50	5320.0098	5320	0.0098	1.8421
		T (°C)	60	5320.0088	5320	0.0088	1.6502
		T (°C)	70	5320.0016	5320	0.0016	0.2965
Limits				5260-5320 MHz			
Result				Complies			

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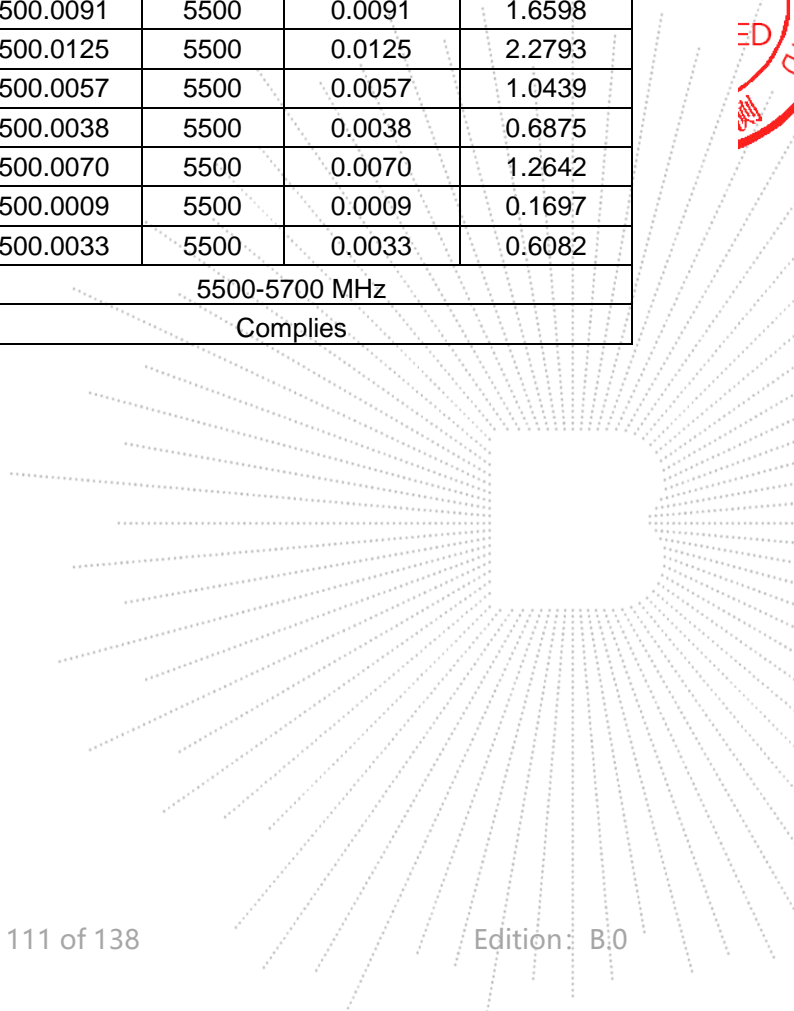
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX (5.6G) Mode Frequency U-NII-2C (5500-5700MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5500.0009	5500	0.0009	0.1612
		V max (V)	138.00	5500.0097	5500	0.0097	1.7622
		V min (V)	102.00	5500.0149	5500	0.0149	2.7080
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5500.0051	5500	0.0051	0.9211
		T (°C)	-10	5500.0003	5500	0.0003	0.0601
		T (°C)	0	5500.0118	5500	0.0118	2.1510
		T (°C)	10	5500.0091	5500	0.0091	1.6598
		T (°C)	20	5500.0125	5500	0.0125	2.2793
		T (°C)	30	5500.0057	5500	0.0057	1.0439
		T (°C)	40	5500.0038	5500	0.0038	0.6875
		T (°C)	50	5500.0070	5500	0.0070	1.2642
		T (°C)	60	5500.0009	5500	0.0009	0.1697
		T (°C)	70	5500.0033	5500	0.0033	0.6082
Limits				5500-5700 MHz			
Result				Complies			



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5580.0106	5580	0.0106	1.8964
		V max (V)	138.00	5580.0115	5580	0.0115	2.0556
		V min (V)	102.00	5580.0076	5580	0.0076	1.3588
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5580.00510	5580	0.00510	0.9144
		T (°C)	-10	5580.00481	5580	0.00481	0.8622
		T (°C)	0	5580.01089	5580	0.01089	1.9523
		T (°C)	10	5580.01293	5580	0.01293	2.3178
		T (°C)	20	5580.00540	5580	0.00540	0.9682
		T (°C)	30	5580.00985	5580	0.00985	1.7648
		T (°C)	40	5580.00362	5580	0.00362	0.6479
		T (°C)	50	5580.00799	5580	0.00799	1.4316
		T (°C)	60	5580.00388	5580	0.00388	0.6949
		T (°C)	70	5580.00976	5580	0.00976	1.7495
Limits				5500-5700 MHz			
Result				Complies			

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