Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 25℃
M/N: A180	Humidity: 62%RH
Test Voltage: Battery	Test Data: 2023-04-08
Test Mode: 802.11ac20 5700	
Note:	

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.958GHz	58.55	-16.65	41.90	74.00	-32.10	PK	Hor
2*	2.906GHz	54.47	-8.84	45.63	74.00	-28.37	PK	Hor
3*	5.023GHz	53.98	-6.21	47.77	74.00	-26.23	PK	Hor
4*	7.549GHz	56.80	-4.27	52.53	74.00	-21.47	PK	Hor
5*	8.943GHz	54.07	-1.33	52.74	74.00	-21.26	PK	Hor
6*	11.942GHz	52.10	2.19	54.29	74.00	-19.71	PK	Hor
7*	14.407GHz	50.72	5.91	56.63	74.00	-17.37	PK	Hor
8*	11.942GHz	41.21	2.19	43.40	54.00	-10.60	AV	Hor
9*	14.407GHz	40.49	5.91	46.40	54.00	-7.60	AV	Hor
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.967GHz	57.69	-16.57	41.12	74.00	-32.88	PK	Ver
2*	2.628GHz	55.39	-10.31	45.08	74.00	-28.92	PK	Ver
3*	4.715GHz	53.40	-5.92	47.48	74.00	-26.52	PK	Ver
4*	6.111GHz	55.53	-7.32	48.21	74.00	-25.79	PK	Ver
5*	11.444GHz	53.64	1.89	55.53	74.00	-18.47	PK	Ver
6*	16.449GHz	50.12	6.96	57.08	74.00	-16.92	PK	Ver
7*	11.444GHz	41.91	1.89	43.80	54.00	-10.20	AV	Ver
8*	16.449GHz	39.34	6.96	46.30	54.00	-7.70	AV	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 25℃
M/N: A180	Humidity: 62%RH
Test Voltage: Battery	Test Data: 2023-04-08
Test Mode: 802.11ac40 5755	
Note:	

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.814GHz	59.57	-18.11	41.46	74.00	-32.54	PK	Hor
2*	2.354GHz	56.11	-12.52	43.59	74.00	-30.41	PK	Hor
3*	3.270GHz	53.50	-8.43	45.07	74.00	-28.93	PK	Hor
4*	4.793GHz	54.42	-5.98	48.44	74.00	-25.56	PK	Hor
5*	8.996GHz	54.78	-1.18	53.60	74.00	-20.40	PK	Hor
6*	17.936GHz	48.99	8.48	57.47	74.00	-16.53	PK	Hor
7*	17.936GHz	39.72	8.48	48.20	54.00	-5.80	AV	Hor
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.665GHz	60.73	-19.55	41.18	74.00	-32.82	PK	Ver
2*	2.626GHz	54.86	-10.32	44.54	74.00	-29.46	PK	Ver
3*	3.189GHz	55.15	-8.40	46.75	74.00	-27.25	PK	Ver
4*	4.307GHz	54.21	-6.57	47.64	74.00	-26.36	PK	Ver
5*	8.729GHz	55.43	-1.94	53.49	74.00	-20.51	PK	Ver
6*	17.896GHz	48.66	8.45	57.11	74.00	-16.89	PK	Ver
7*	17.896GHz	39.25	8.45	47.70	54.00	-6.30	AV	Ver

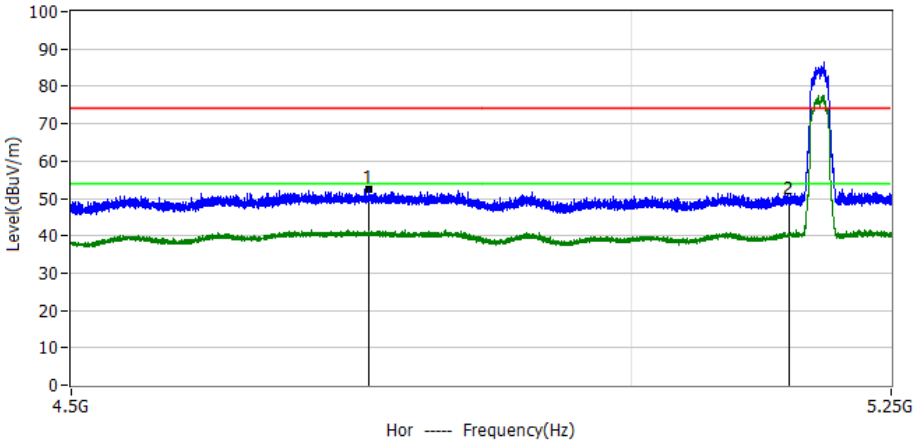
Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 25℃
M/N: A180	Humidity: 62%RH
Test Voltage: Battery	Test Data: 2023-04-08
Test Mode: 802.11ac40 5795	
Note:	

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.646GHz	60.27	-19.74	40.53	74.00	-33.47	PK	Hor
2*	2.830GHz	54.88	-9.24	45.64	74.00	-28.36	PK	Hor
3*	4.712GHz	54.37	-5.92	48.45	74.00	-25.55	PK	Hor
4*	6.183GHz	55.79	-7.18	48.61	74.00	-25.39	PK	Hor
5*	8.931GHz	56.40	-1.37	55.03	74.00	-18.97	PK	Hor
6*	17.802GHz	48.50	8.38	56.88	74.00	-17.12	PK	Hor
7*	8.931GHz	44.97	-1.37	43.60	54.00	-10.40	AV	Hor
8*	17.802GHz	38.92	8.38	47.30	54.00	-6.70	AV	Hor
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.468GHz	60.49	-21.02	39.47	74.00	-34.53	PK	Ver
2*	2.318GHz	55.33	-12.90	42.43	74.00	-31.57	PK	Ver
3*	2.898GHz	54.88	-8.88	46.00	74.00	-28.00	PK	Ver
4*	4.840GHz	54.41	-6.02	48.39	74.00	-25.61	PK	Ver
5*	8.920GHz	55.44	-1.40	54.04	74.00	-19.96	PK	Ver
6*	17.909GHz	49.44	8.46	57.90	74.00	-16.10	PK	Ver
7*	8.920GHz	45.20	-1.40	43.80	54.00	-10.20	AV	Ver
8*	17.909GHz	39.04	8.46	47.50	54.00	-6.50	AV	Ver

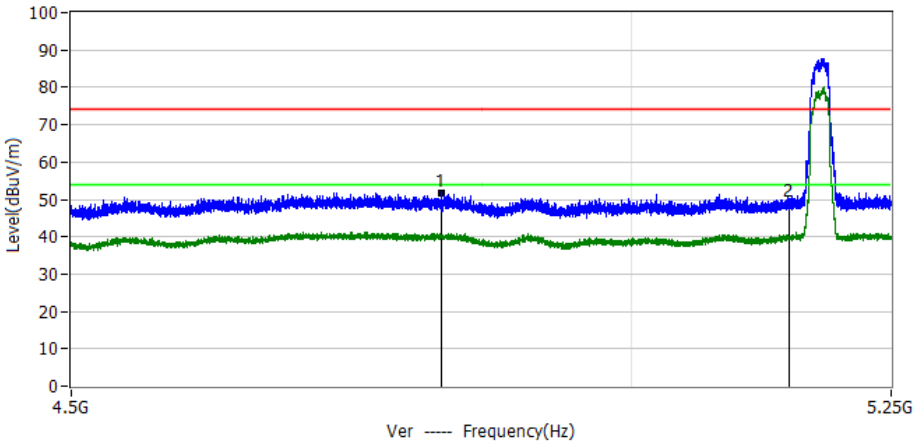
Note：The 18-40GHz emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.

3.2.7 TEST RESULTS(Band edge Requirements)

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11n20 5180	
Note:	

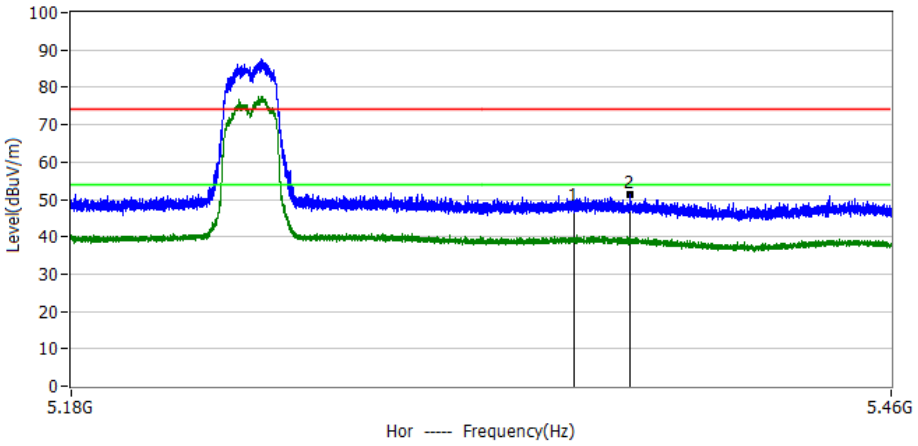


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.7595GHz	58.23	-5.95	52.28	74.00	-21.72	PK	Hor
2*	5.1500GHz	56.12	-6.62	49.50	74.00	-24.50	PK	Hor

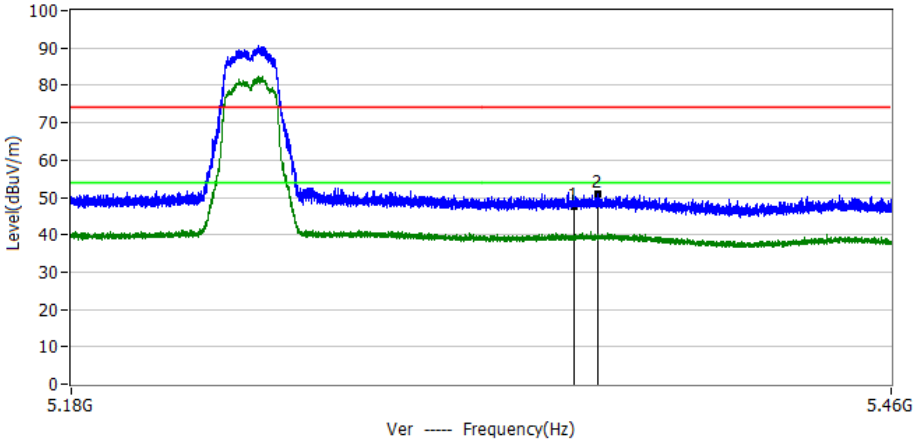


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.8245GHz	57.87	-6.00	51.87	74.00	-22.13	PK	Ver
2*	5.1500GHz	55.52	-6.62	48.90	74.00	-25.10	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11n20 5240	
Note:	

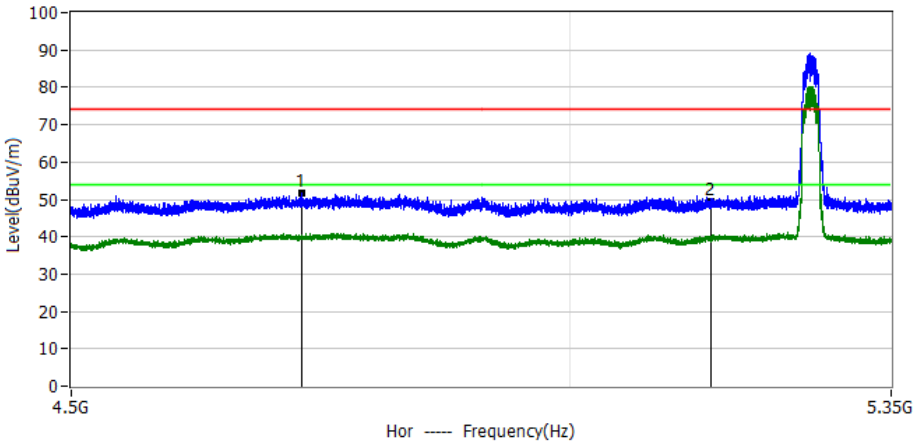


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3500GHz	55.36	-7.26	48.10	74.00	-25.90	PK	Hor
2*	5.3694GHz	58.72	-7.32	51.40	74.00	-22.60	PK	Hor

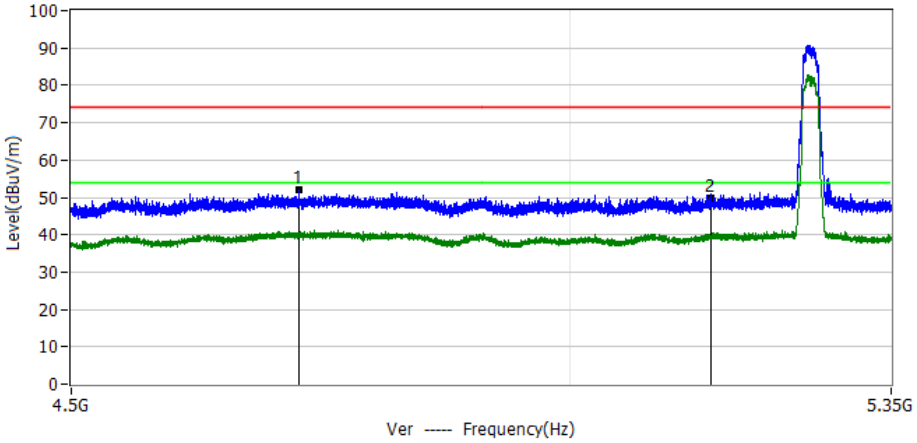


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3500GHz	54.96	-7.26	47.70	74.00	-26.30	PK	Ver
2*	5.3582GHz	58.23	-7.29	50.94	74.00	-23.06	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11n20 5260	
Note:	

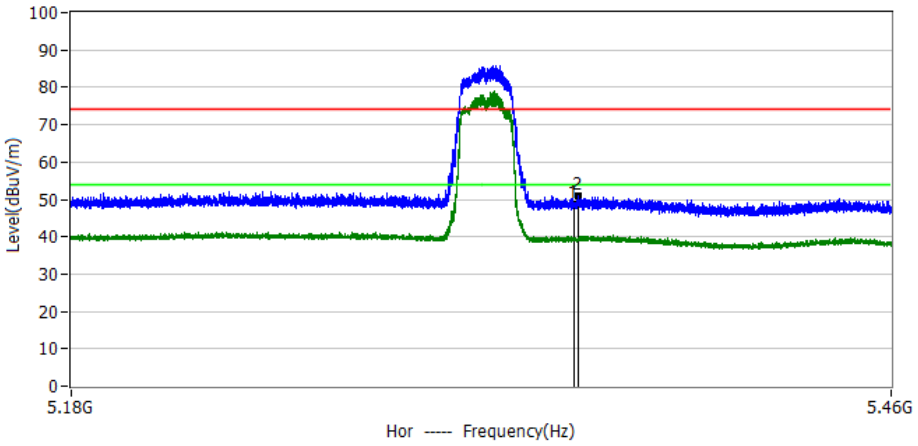


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.7246GHz	57.56	-5.93	51.63	74.00	-22.37	PK	Hor
2*	5.1500GHz	56.12	-6.62	49.50	74.00	-24.50	PK	Hor

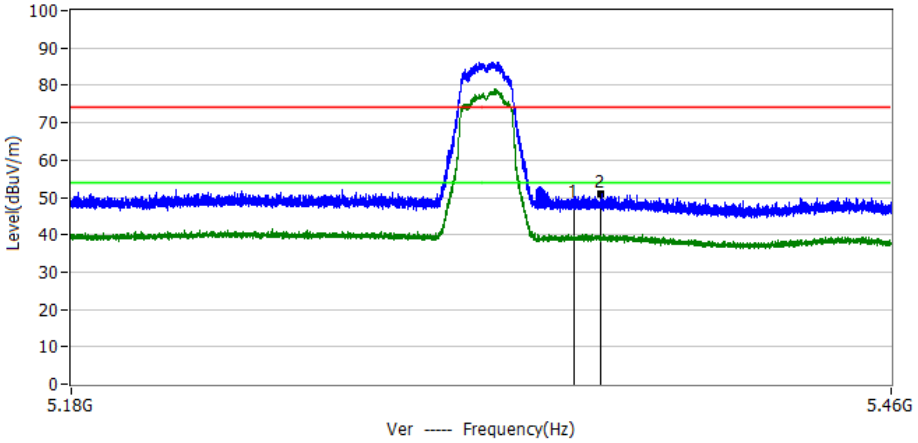


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	4.7213GHz	58.08	-5.93	52.15	74.00	-21.85	PK	Ver
2*	5.1500GHz	56.62	-6.62	50.00	74.00	-24.00	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11n20 5320	
Note:	

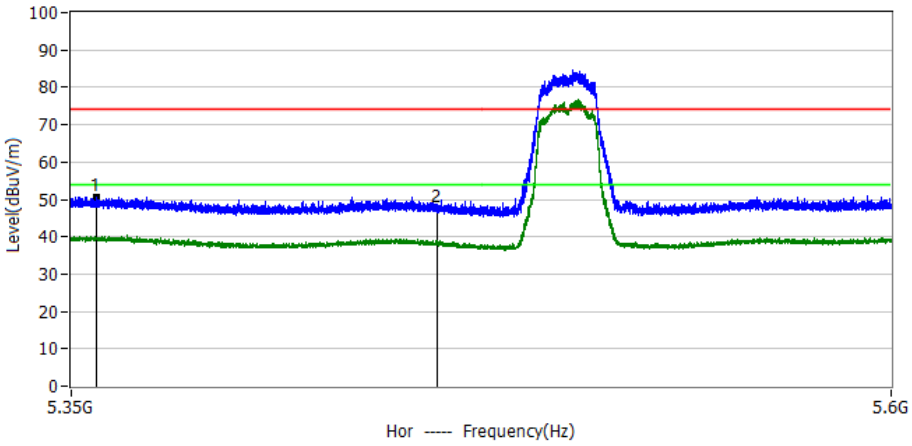


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3500GHz	55.96	-7.26	48.70	74.00	-25.30	PK	Hor
2*	5.3516GHz	58.15	-7.27	50.88	74.00	-23.12	PK	Hor

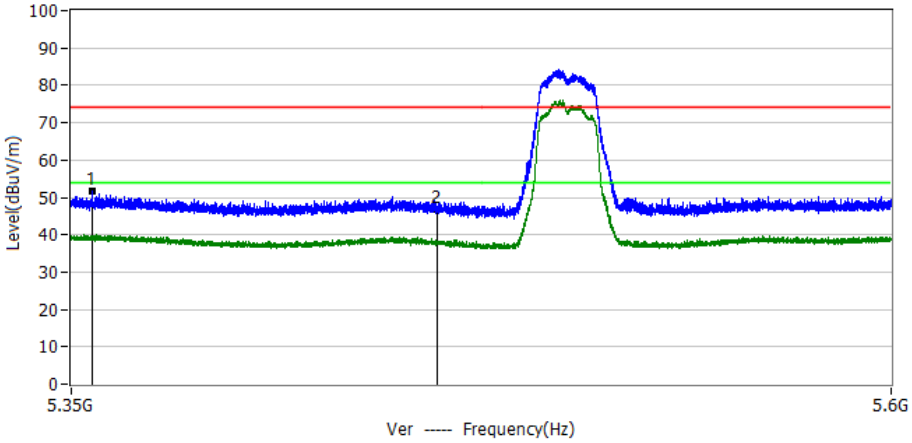


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3500GHz	55.76	-7.26	48.50	74.00	-25.50	PK	Ver
2*	5.3593GHz	58.05	-7.29	50.76	74.00	-23.24	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11ac20 5500	
Note:	

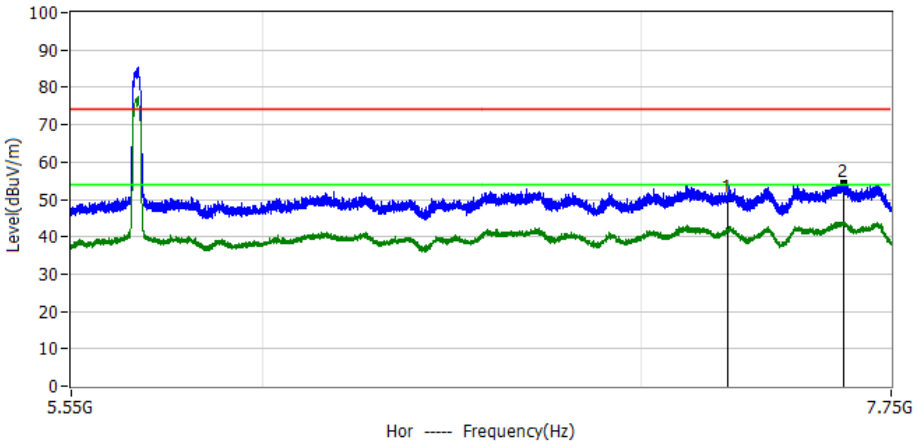


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3573GHz	57.97	-7.28	50.69	74.00	-23.31	PK	Hor
2*	5.4600GHz	55.21	-7.61	47.60	74.00	-26.40	PK	Hor

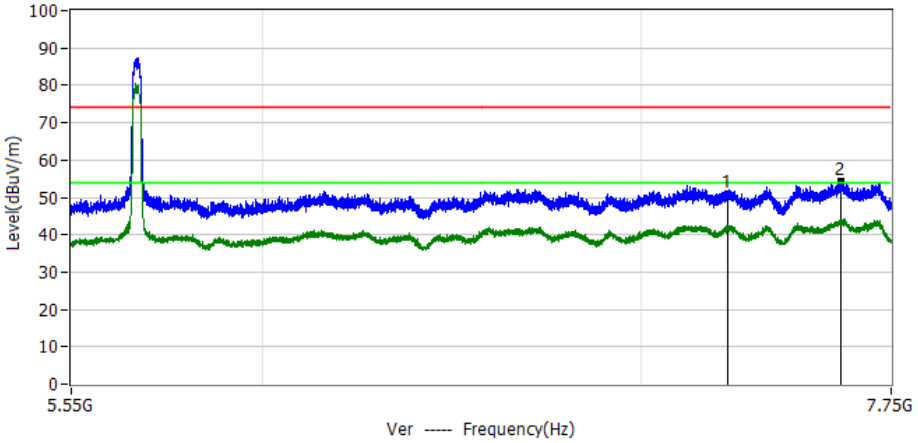


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5.3563GHz	58.80	-7.28	51.52	74.00	-22.48	PK	Ver
2*	5.4600GHz	54.61	-7.61	47.00	74.00	-27.00	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11ac20 5700	
Note:	

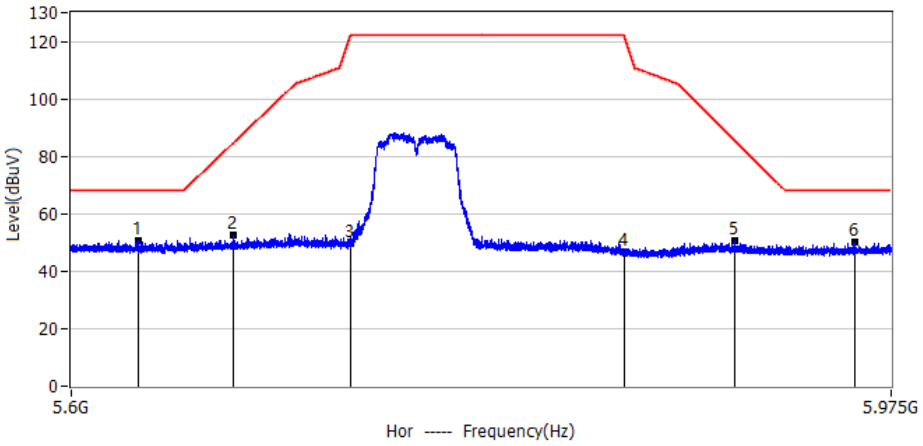


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	7.2500GHz	55.19	-4.99	50.20	74.00	-23.80	PK	Hor
2*	7.5996GHz	58.58	-4.24	54.34	74.00	-19.66	PK	Hor

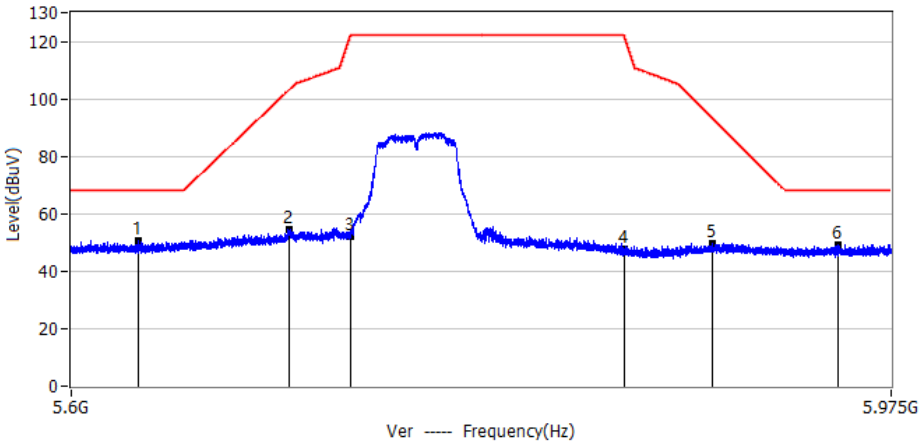


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	7.2500GHz	55.89	-4.99	50.90	74.00	-23.10	PK	Ver
2*	7.5932GHz	58.52	-4.24	54.28	74.00	-19.72	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11ac40 5755	
Note:	

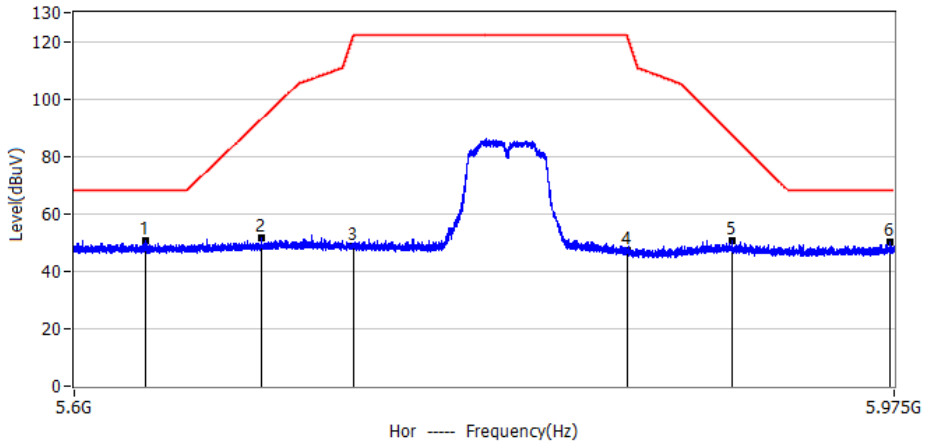


No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.6295GHz	58.37	-7.69	50.68	68.20	-17.52	PK	Hor
2*	5.6724GHz	60.27	-7.67	52.60	84.80	-32.20	PK	Hor
3*	5.7250GHz	57.45	-7.65	49.80	122.20	-72.40	PK	Hor
4*	5.8500GHz	54.20	-7.60	46.60	122.20	-75.60	PK	Hor
5*	5.9016GHz	58.23	-7.58	50.65	85.48	-34.83	PK	Hor
6*	5.9576GHz	57.47	-7.56	49.91	68.20	-18.29	PK	Hor

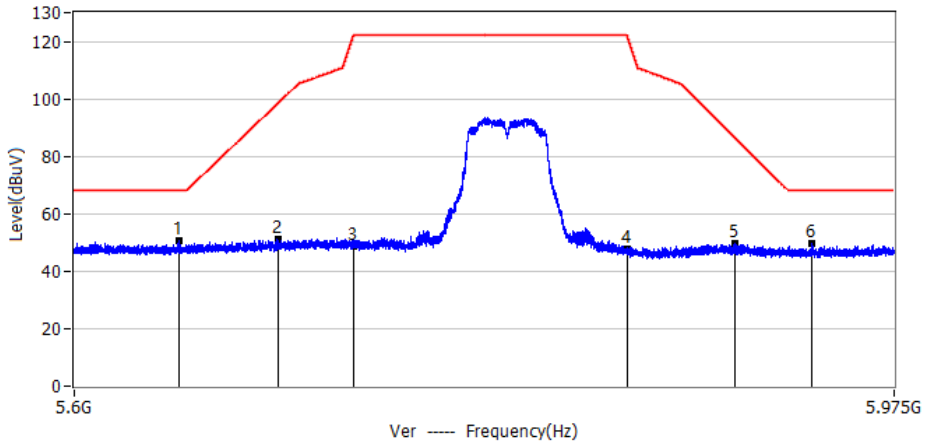


No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.6295GHz	58.40	-7.69	50.71	68.20	-17.49	PK	Ver
2*	5.6970GHz	62.43	-7.66	54.77	102.98	-48.20	PK	Ver
3*	5.7250GHz	59.75	-7.65	52.10	122.20	-70.10	PK	Ver
4*	5.8500GHz	55.20	-7.60	47.60	122.20	-74.50	PK	Ver
5*	5.8914GHz	57.43	-7.58	49.85	93.05	-43.20	PK	Ver
6*	5.9502GHz	56.86	-7.56	49.30	68.20	-18.90	PK	Ver

Project: LGT23C066	Test Engineer: Dylan.shi
EUT: Smartphone	Temperature: 26.2℃
M/N: A180	Humidity: 56%RH
Test Voltage: Battery	Test Data: 2023-04-11
Test Mode: 802.11ac40 5795	
Note:	



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.6314GHz	58.24	-7.69	50.55	68.20	-17.65	PK	Hor
2*	5.6837GHz	59.33	-7.67	51.66	93.15	-41.49	PK	Hor
3*	5.7250GHz	56.45	-7.65	48.80	122.20	-73.40	PK	Hor
4*	5.8500GHz	54.90	-7.60	47.30	122.20	-74.90	PK	Hor
5*	5.8990GHz	58.07	-7.58	50.49	87.42	-36.93	PK	Hor
6*	5.9733GHz	57.51	-7.55	49.96	68.20	-18.24	PK	Hor



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5.6466GHz	58.49	-7.68	50.81	68.20	-17.39	PK	Ver
2*	5.6907GHz	58.75	-7.66	51.09	98.31	-47.22	PK	Ver
3*	5.7250GHz	56.55	-7.65	48.90	122.20	-73.30	PK	Ver
4*	5.8500GHz	55.40	-7.60	47.80	122.20	-74.40	PK	Ver
5*	5.9001GHz	57.00	-7.58	49.42	86.56	-37.14	PK	Ver
6*	5.9362GHz	57.01	-7.57	49.44	68.20	-18.76	PK	Ver

4. POWER SPECTRAL DENSITY TEST

4.1 LIMIT

1. For mobile and portable client devices in the 5.15-5.25 GHz band, , the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2 TEST PROCEDURE

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (*i.e.,* 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥ 1/*T*, where *T* is defined in section II.B.l.a).

b) Set VBW ≥ 3 RBW.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP

4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS

For the measurement records，refer to the appendix I.

5. BANDWIDTH MEASUREMENT

5.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT

The following procedure shall be used for measuring 26 bandwidth.

5.1.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > =RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

For the measurement records，refer to the appendix I.

5.2 OCCUPIED BANDWIDTH (99%) TEST APPLIED PROCEDURES / LIMIT

The following procedure shall be used for measuring (99 %) power bandwidth.

5.2.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.
The following procedure shall be used for measuring (99 %) power bandwidth:
1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW ≥ 3 · RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

5.2.2 DEVIATION FROM STANDARD

No deviation.

5.2.3 TEST SETUP

5.2.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.2.5 TEST RESULTS

For the measurement records，refer to the appendix I.

5.3 MINIMUM EMISSION BANDWIDTH(6 DB) PROCEDURES / LIMIT

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth.

5.3.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.3.2 DEVIATION FROM STANDARD

No deviation.

5.3.3 TEST SETUP

5.3.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.3.5 TEST RESULTS

For the measurement records，refer to the appendix I.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 LIMIT

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz,If transmitting antennas of directional gain greater than 6 dBi are used.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used.

FCC Part15 (15.407) , Subpart E				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.407(a) (1) (iv)	Peak Output Power	0.25 watt	5150-5250	PASS
		The lesser of 250 mW or 11 dBm + 10 log (26 dB emission bandwidth)	5250-5350 5470-5725	
15.407(a) (3)		1 watt	5725-5825	

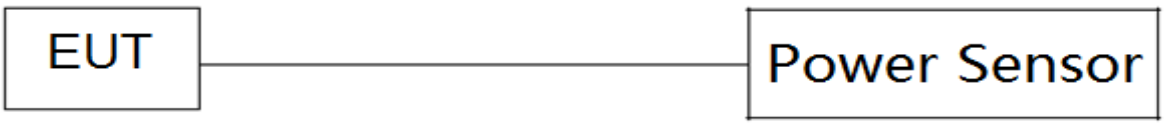
6.2 TEST PROCEDURE

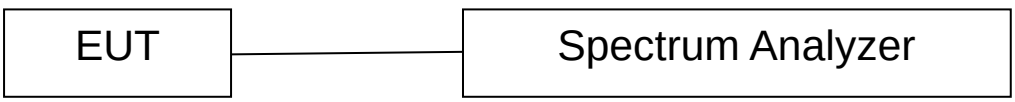
The EUT was directly connected to the Power Sensor&PC

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP





6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

For the measurement records，refer to the appendix I.

7. AUTOMATICALLY DISCONTINUE TRANSMISSION

7.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

7.2 TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission

8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

Part 15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

The EUT antenna is PIFA Antenna. It comply with the standard requirement.

APPENDIX I:TEST RESULTS

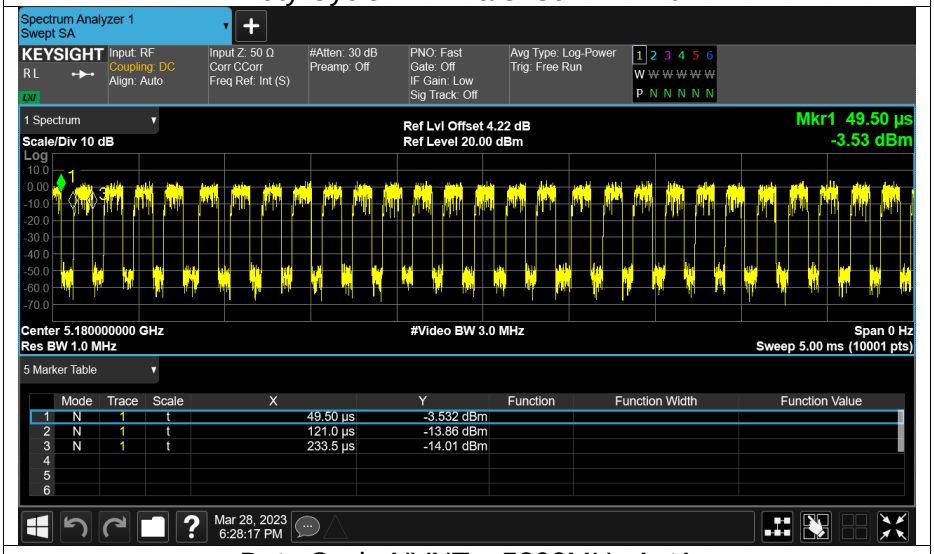
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	61.14	2.14	8.89
NVNT	a	5200	Ant1	61.14	2.14	8.89
NVNT	a	5240	Ant1	61.14	2.14	8.89
NVNT	a	5260	Ant1	61.14	2.14	8.89
NVNT	a	5300	Ant1	61.04	2.14	8.93
NVNT	a	5320	Ant1	61.14	2.14	8.89
NVNT	a	5500	Ant1	61.14	2.14	8.89
NVNT	a	5580	Ant1	61.14	2.14	8.89
NVNT	a	5700	Ant1	61.04	2.14	8.93
NVNT	a	5745	Ant1	61.14	2.14	8.89
NVNT	a	5785	Ant1	61.11	2.14	8.91
NVNT	a	5825	Ant1	61.14	2.14	8.89
NVNT	n20	5180	Ant1	61.14	2.14	8.89
NVNT	n20	5200	Ant1	61.14	2.14	8.89
NVNT	n20	5240	Ant1	61.14	2.14	8.89
NVNT	n20	5260	Ant1	61.14	2.14	8.89
NVNT	n20	5300	Ant1	61.14	2.14	8.89
NVNT	n20	5320	Ant1	61.04	2.14	8.93
NVNT	n20	5500	Ant1	61.14	2.14	8.89
NVNT	n20	5580	Ant1	61.14	2.14	8.89
NVNT	n20	5700	Ant1	61.14	2.14	8.89
NVNT	n20	5745	Ant1	61.14	2.14	8.89
NVNT	n20	5785	Ant1	61.14	2.14	8.89
NVNT	n20	5825	Ant1	61.14	2.14	8.89
NVNT	n40	5190	Ant1	54.3	2.65	13.66
NVNT	n40	5230	Ant1	54.3	2.65	13.66
NVNT	n40	5270	Ant1	54.3	2.65	13.66
NVNT	n40	5310	Ant1	54.3	2.65	13.66
NVNT	n40	5510	Ant1	54.3	2.65	13.66
NVNT	n40	5550	Ant1	54.3	2.65	13.66
NVNT	n40	5670	Ant1	54.3	2.65	13.66
NVNT	n40	5755	Ant1	54.14	2.66	13.66
NVNT	n40	5795	Ant1	54.3	2.65	13.66
NVNT	ac20	5180	Ant1	65.66	1.83	8.37
NVNT	ac20	5200	Ant1	65.66	1.83	8.37
NVNT	ac20	5240	Ant1	65.66	1.83	8.37
NVNT	ac20	5260	Ant1	65.66	1.83	8.37
NVNT	ac20	5300	Ant1	65.66	1.83	8.37
NVNT	ac20	5320	Ant1	65.66	1.83	8.37
NVNT	ac20	5500	Ant1	65.66	1.83	8.37
NVNT	ac20	5580	Ant1	65.66	1.83	8.37
NVNT	ac20	5700	Ant1	65.66	1.83	8.37
NVNT	ac20	5745	Ant1	65.66	1.83	8.37
NVNT	ac20	5785	Ant1	65.66	1.83	8.37
NVNT	ac20	5825	Ant1	65.66	1.83	8.37
NVNT	ac40	5190	Ant1	54.62	2.63	11.74
NVNT	ac40	5230	Ant1	54.62	2.63	11.74
NVNT	ac40	5270	Ant1	54.62	2.63	11.74
NVNT	ac40	5310	Ant1	54.62	2.63	11.74
NVNT	ac40	5510	Ant1	54.62	2.63	11.74

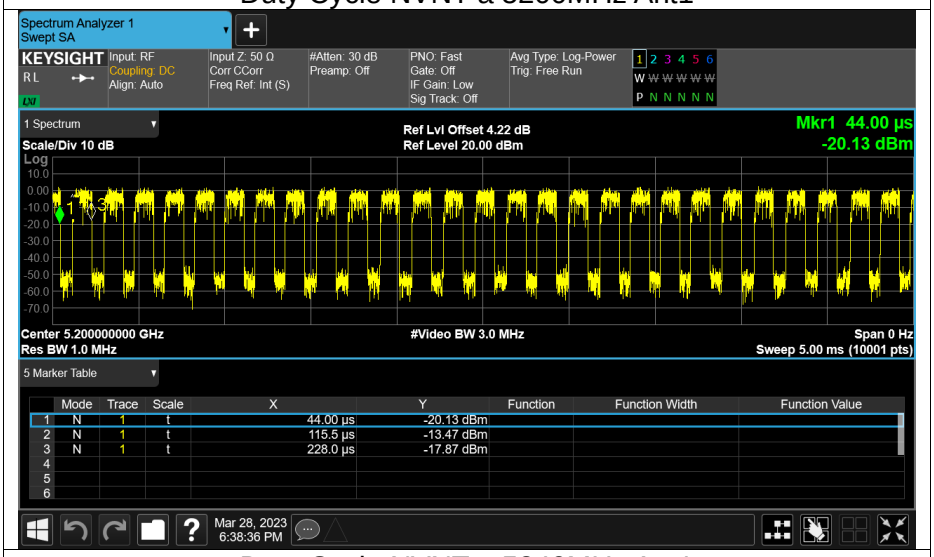
NVNT	ac40	5550	Ant1	54.62	2.63	11.74
NVNT	ac40	5670	Ant1	54.62	2.63	11.74
NVNT	ac40	5755	Ant1	54.62	2.63	11.74
NVNT	ac40	5795	Ant1	54.62	2.63	11.74
NVNT	ac80	5210	Ant1	42.75	3.69	16.95
NVNT	ac80	5290	Ant1	42.75	3.69	16.95
NVNT	ac80	5530	Ant1	42.75	3.69	16.95
NVNT	ac80	5610	Ant1	42.75	3.69	16.95
NVNT	ac80	5775	Ant1	42.75	3.69	16.95

Test Graphs

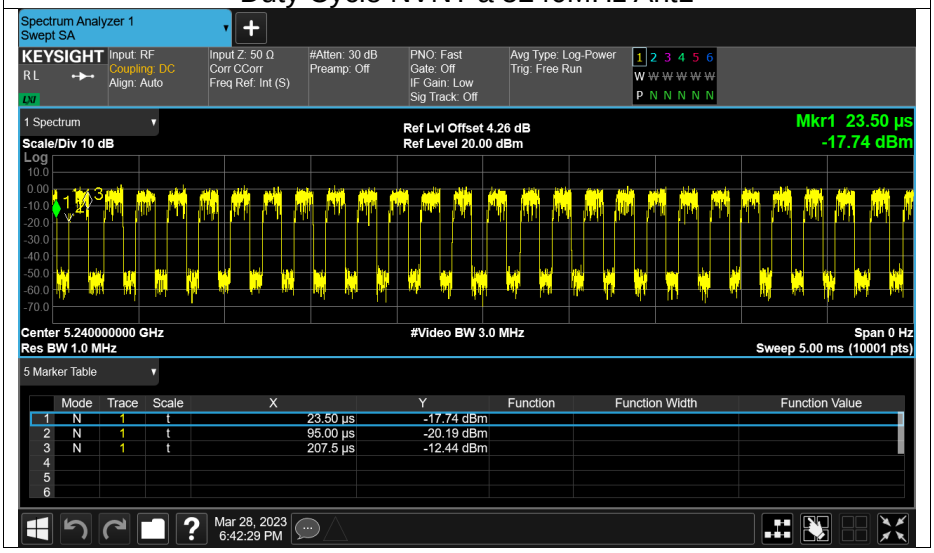
Duty Cycle NVNT a 5180MHz Ant1



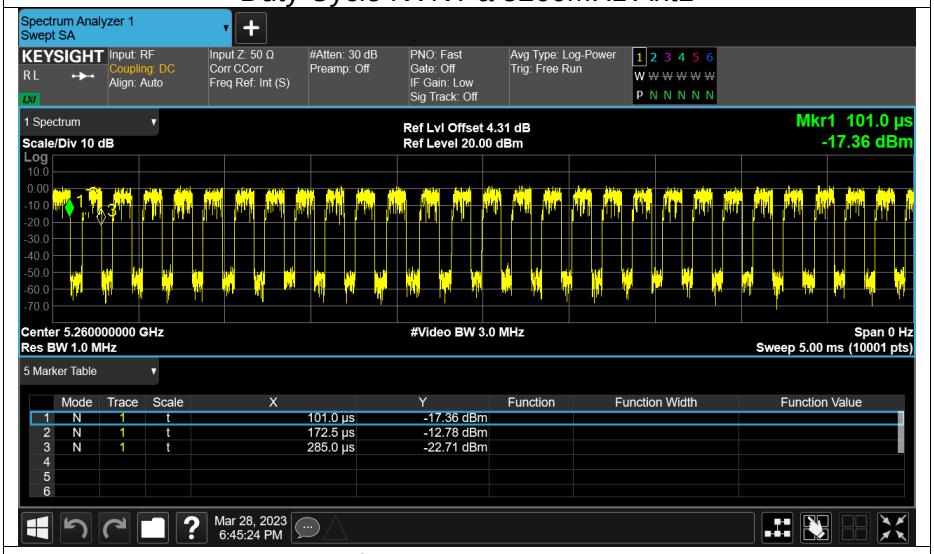
Duty Cycle NVNT a 5200MHz Ant1



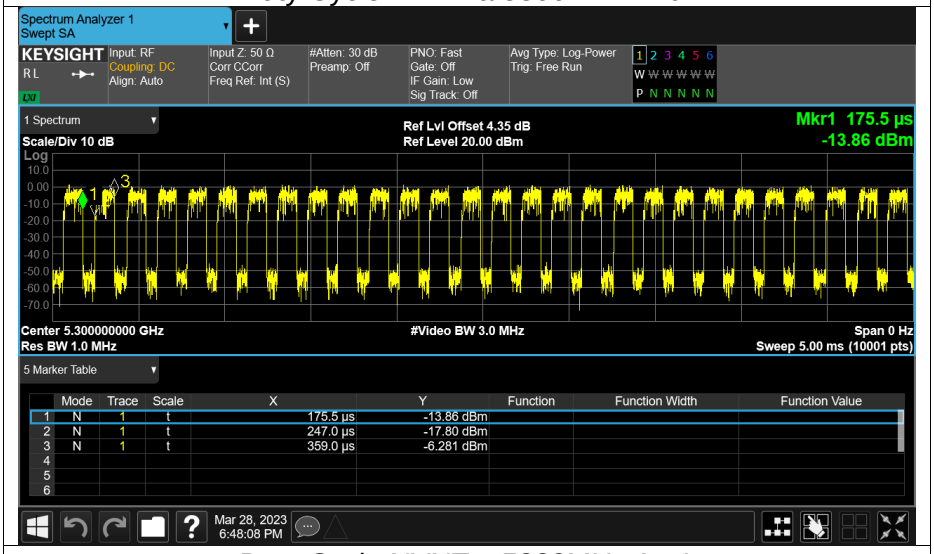
Duty Cycle NVNT a 5240MHz Ant1



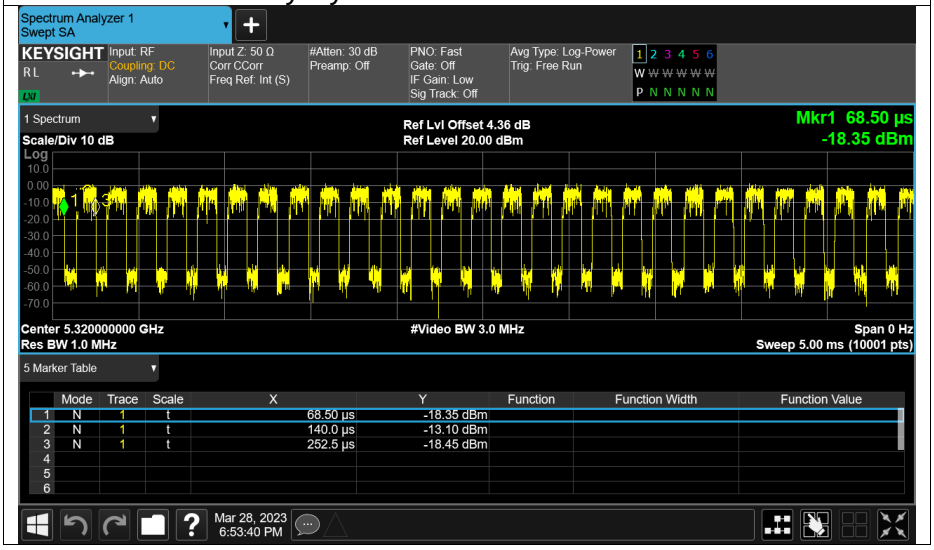
Duty Cycle NVNT a 5260MHz Ant1



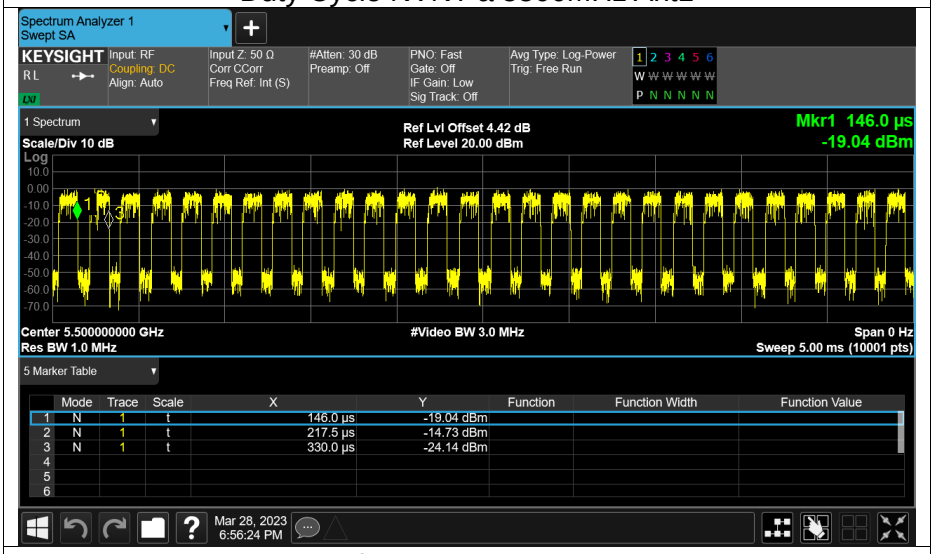
Duty Cycle NVNT a 5300MHz Ant1



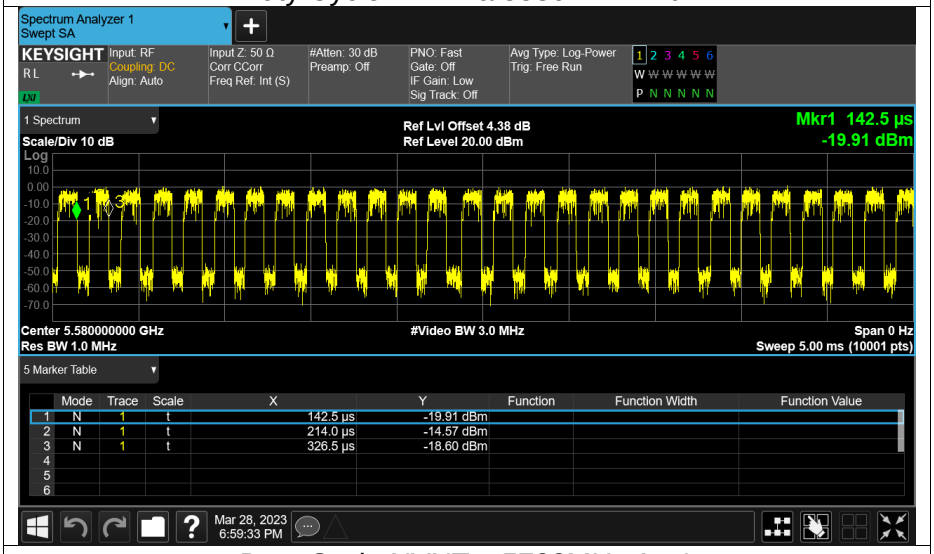
Duty Cycle NVNT a 5320MHz Ant1



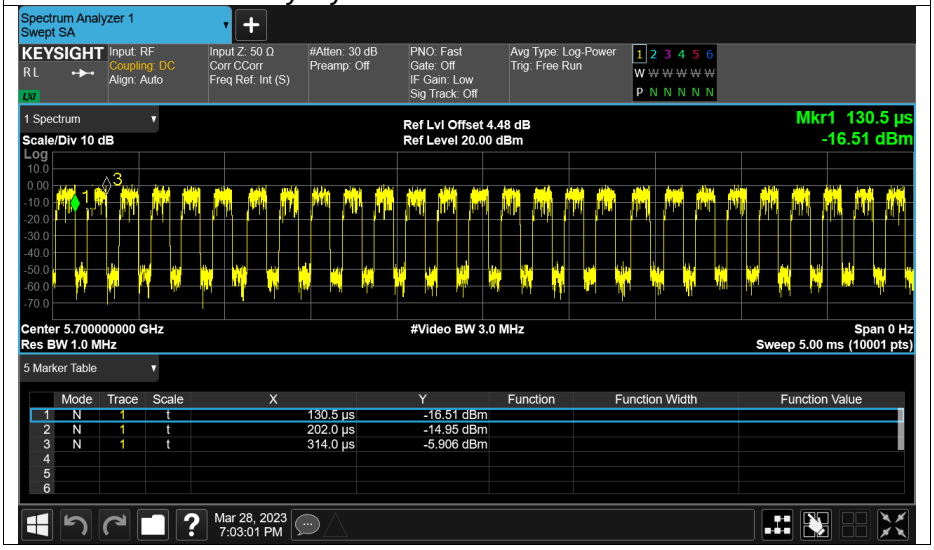
Duty Cycle NVNT a 5500MHz Ant1



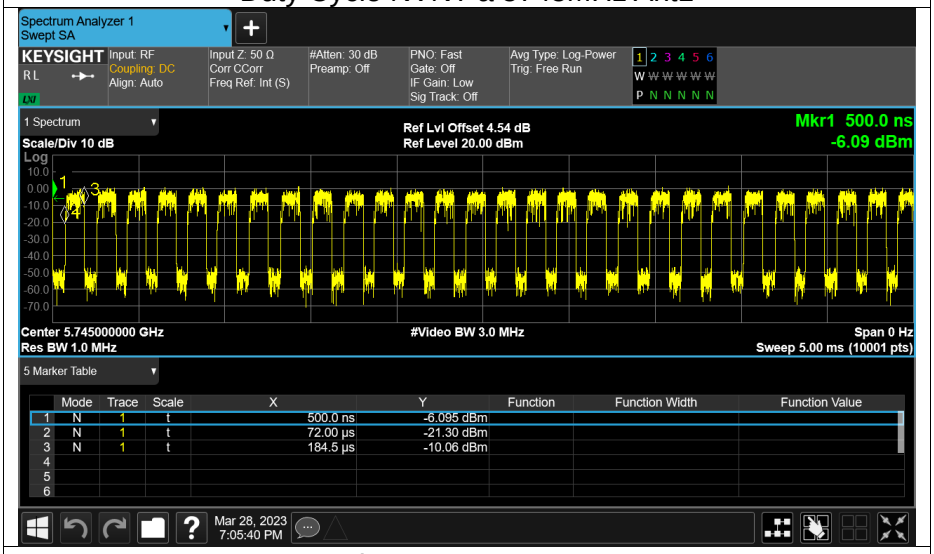
Duty Cycle NVNT a 5580MHz Ant1



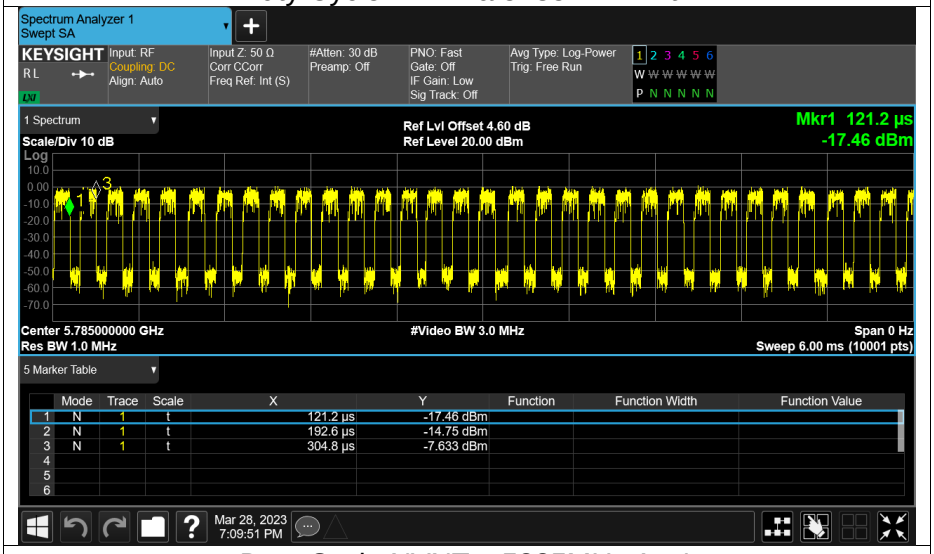
Duty Cycle NVNT a 5700MHz Ant1



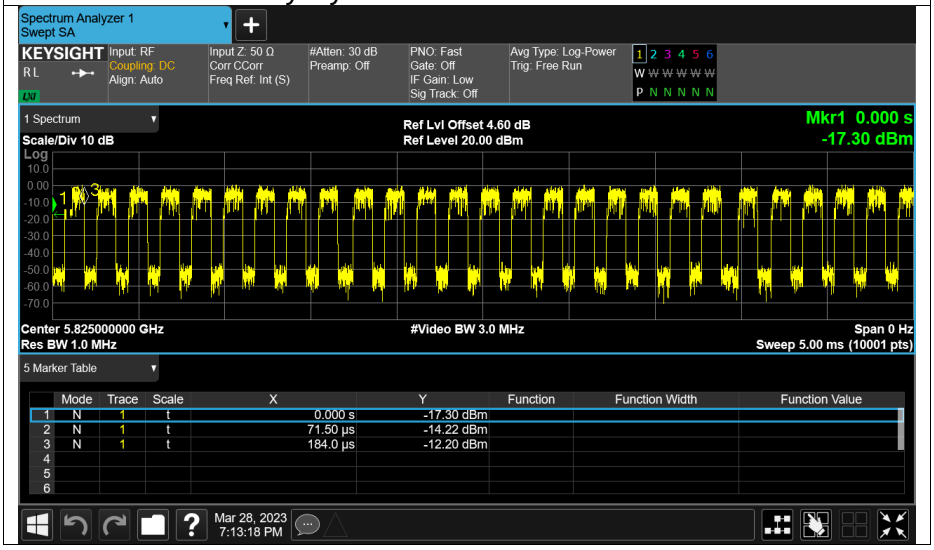
Duty Cycle NVNT a 5745MHz Ant1



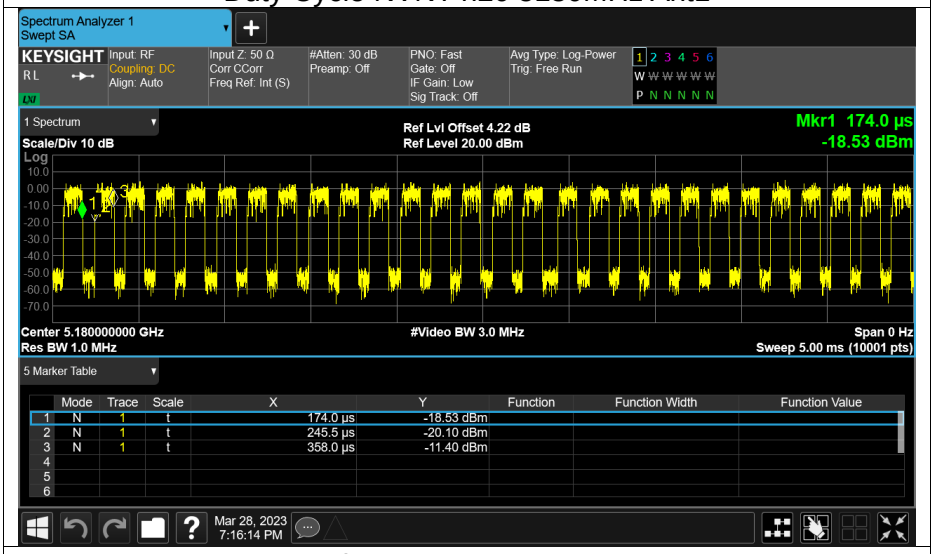
Duty Cycle NVNT a 5785MHz Ant1



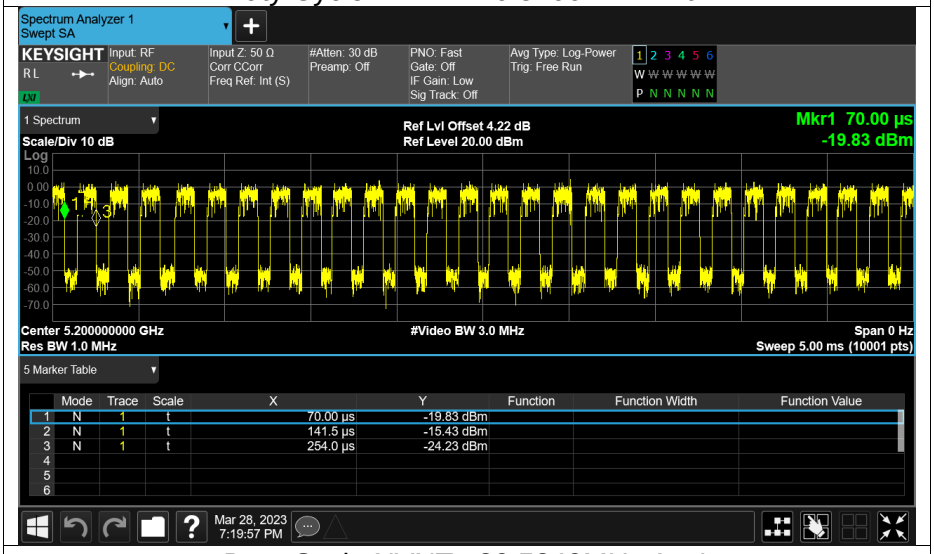
Duty Cycle NVNT a 5825MHz Ant1



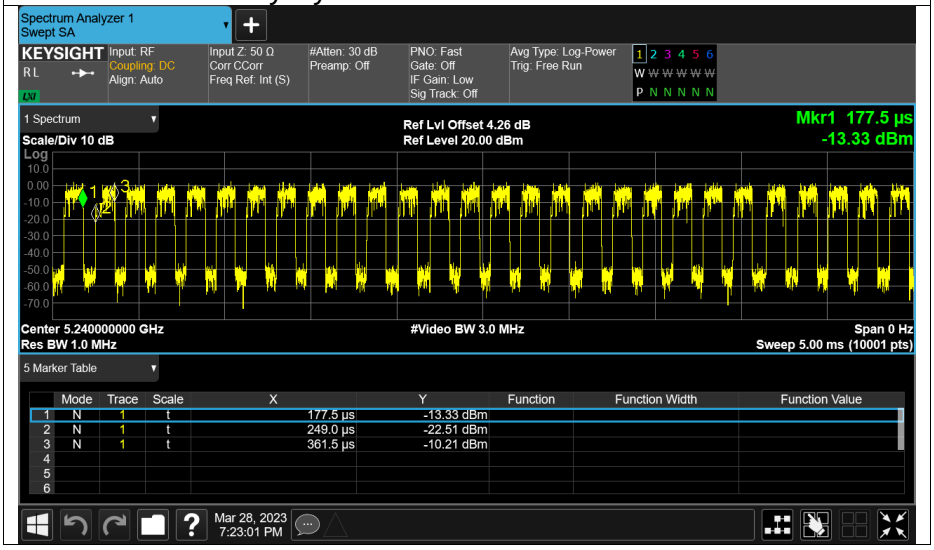
Duty Cycle NVNT n20 5180MHz Ant1



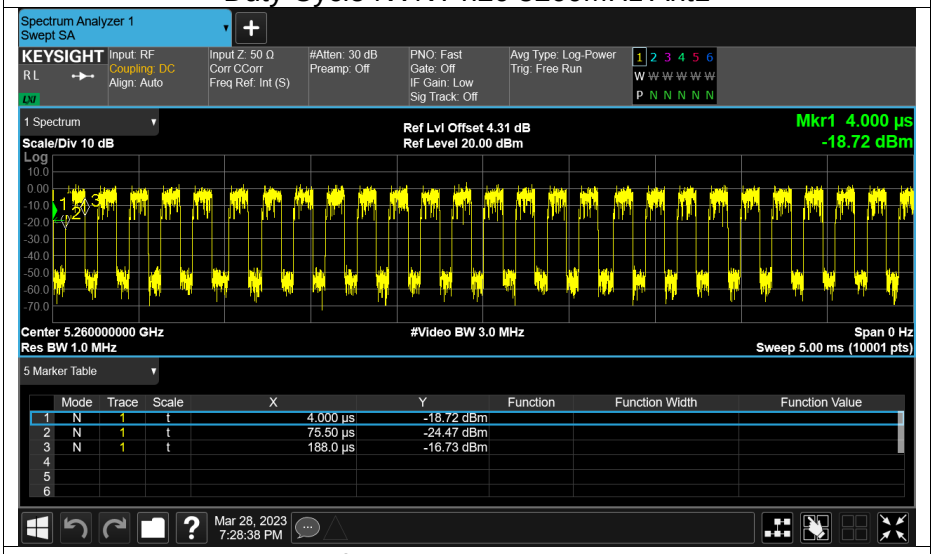
Duty Cycle NVNT n20 5200MHz Ant1



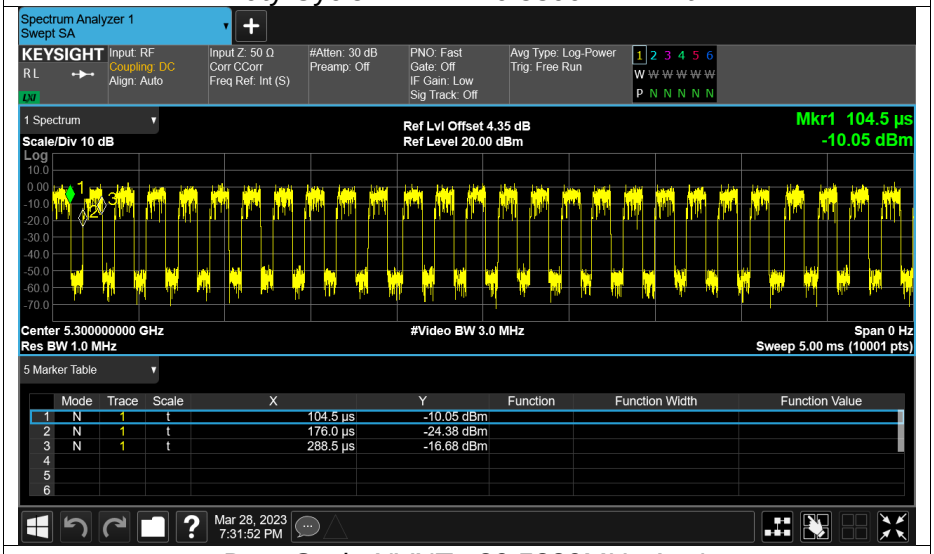
Duty Cycle NVNT n20 5240MHz Ant1



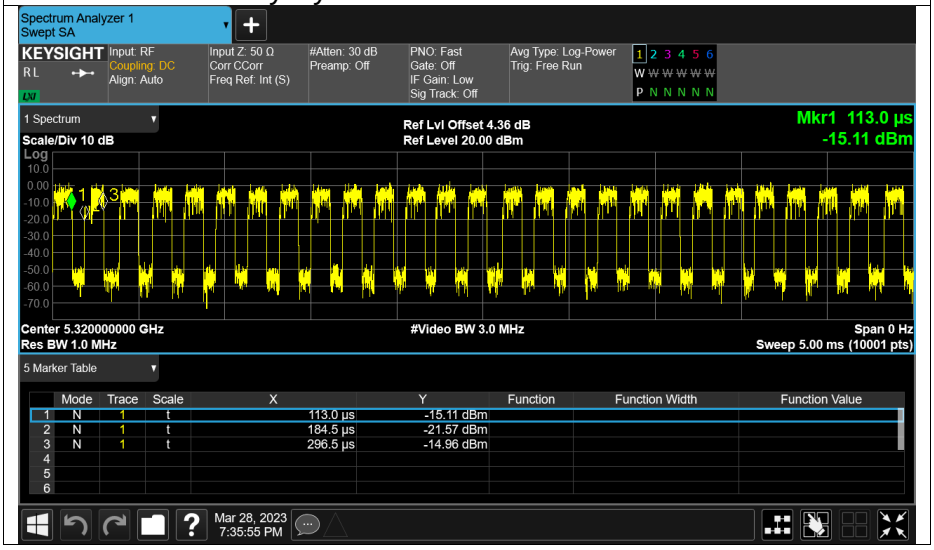
Duty Cycle NVNT n20 5260MHz Ant1



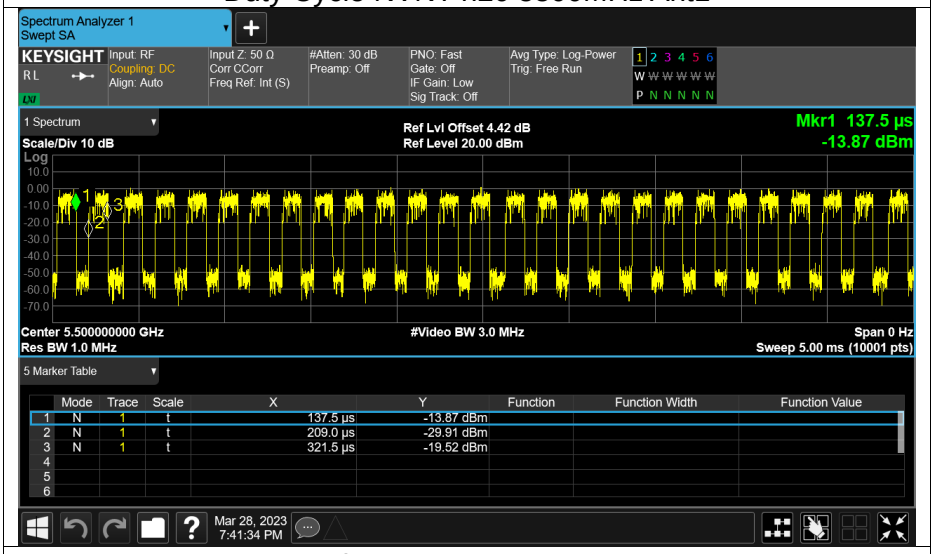
Duty Cycle NVNT n20 5300MHz Ant1



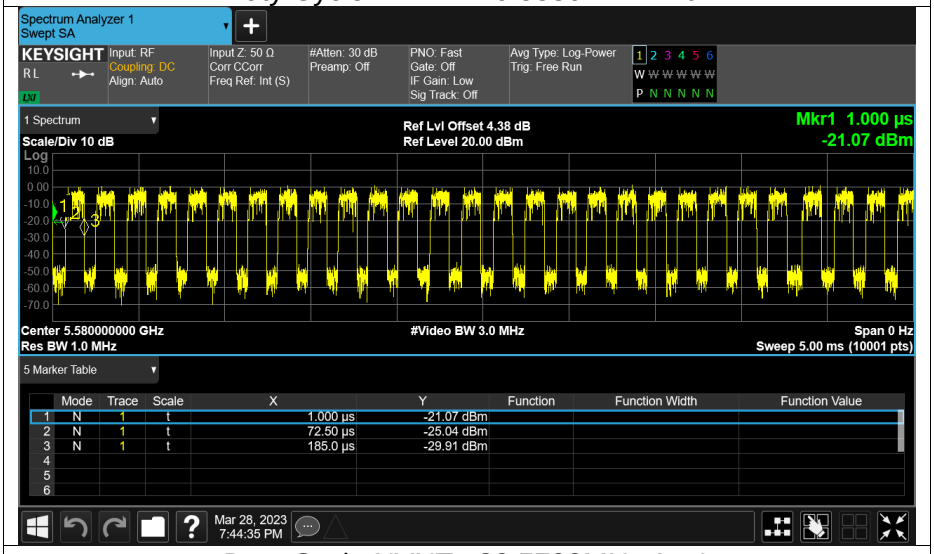
Duty Cycle NVNT n20 5320MHz Ant1



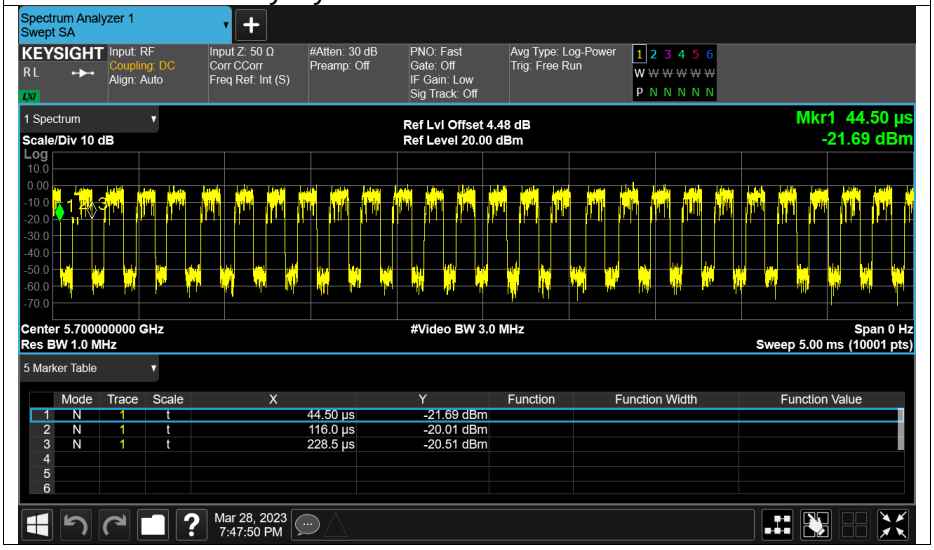
Duty Cycle NVNT n20 5500MHz Ant1



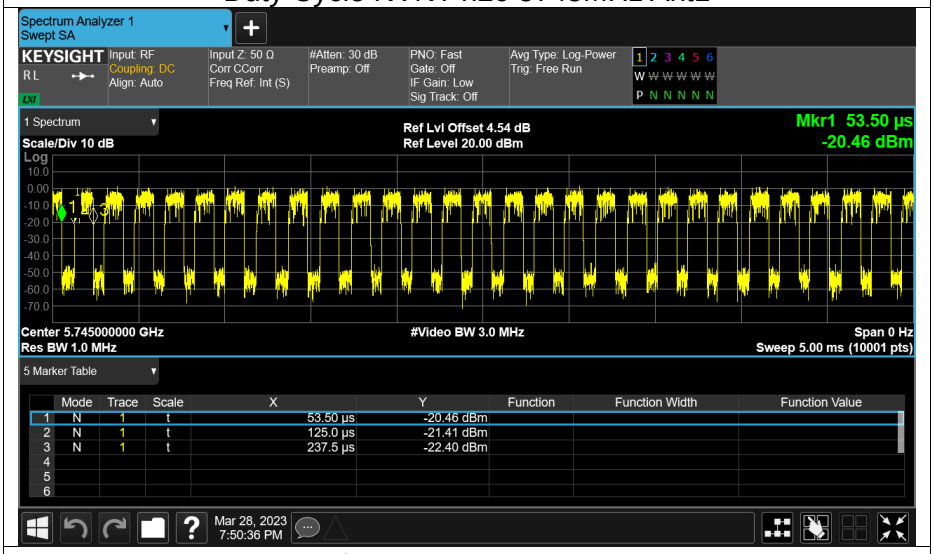
Duty Cycle NVNT n20 5580MHz Ant1



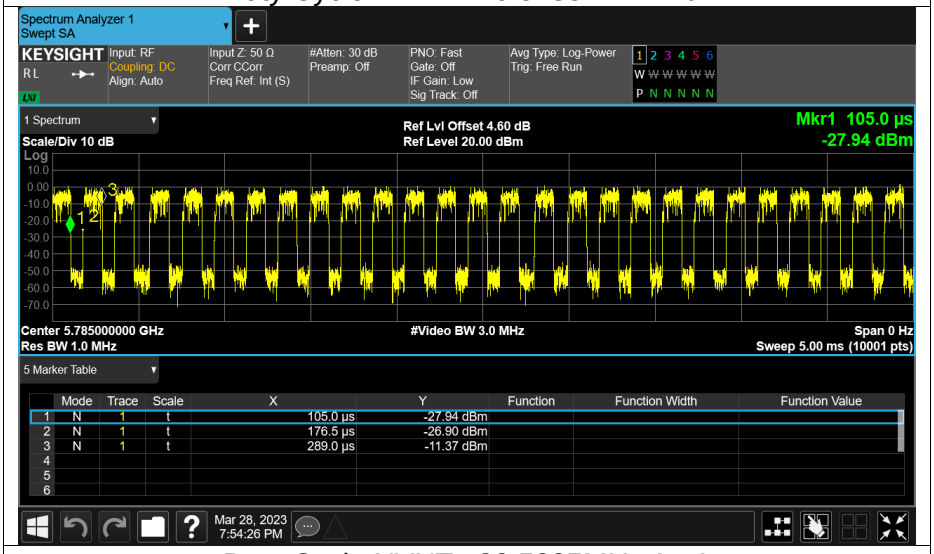
Duty Cycle NVNT n20 5700MHz Ant1



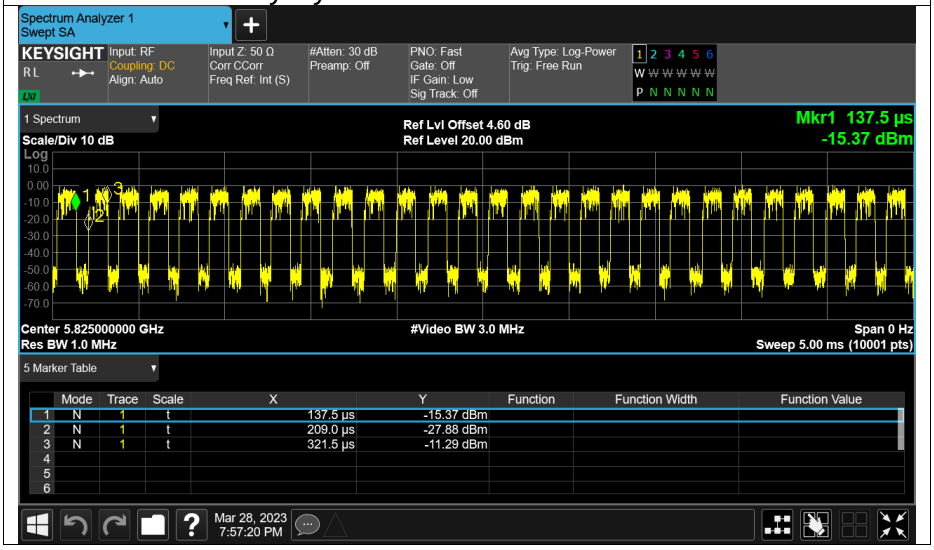
Duty Cycle NVNT n20 5745MHz Ant1



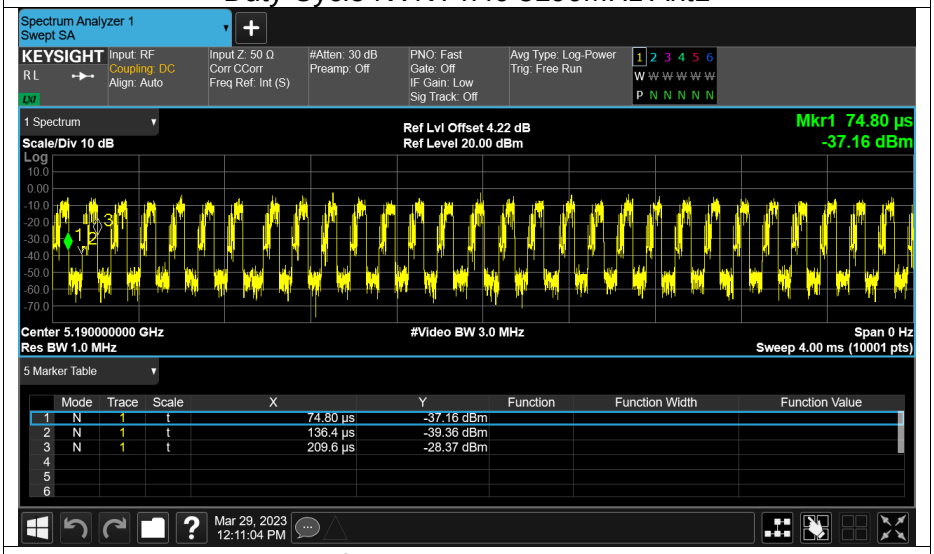
Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



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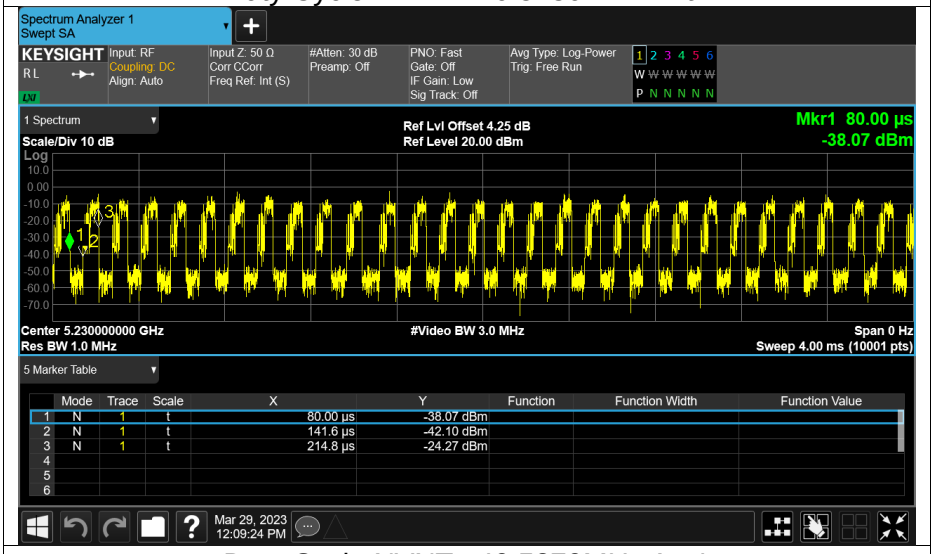

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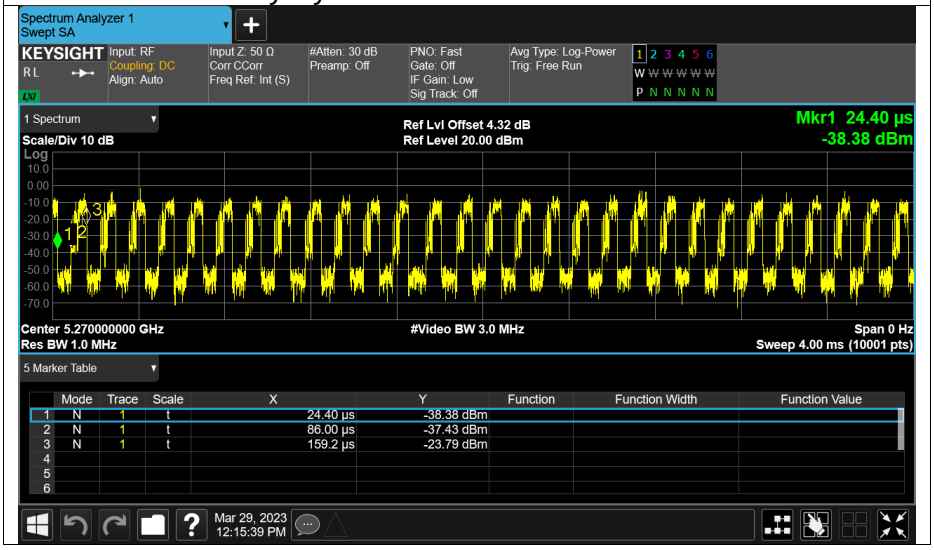
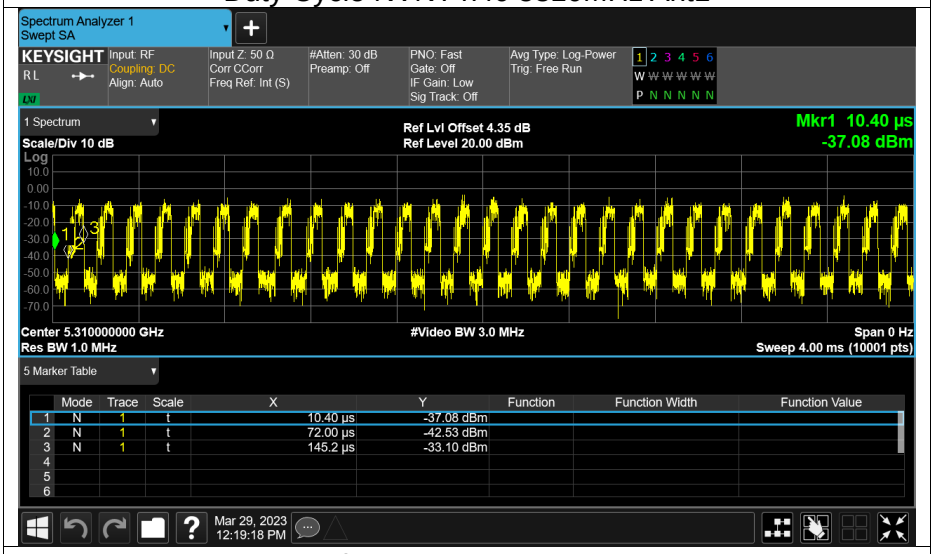
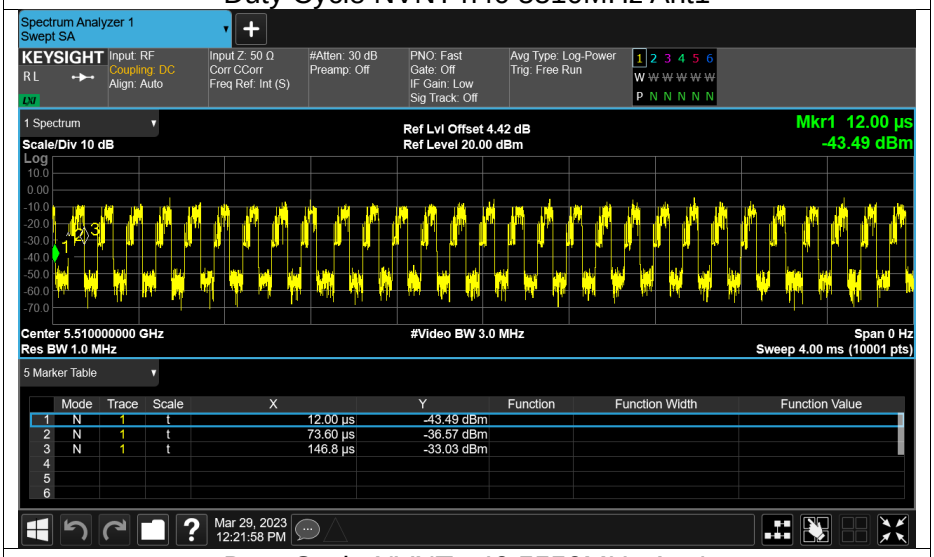


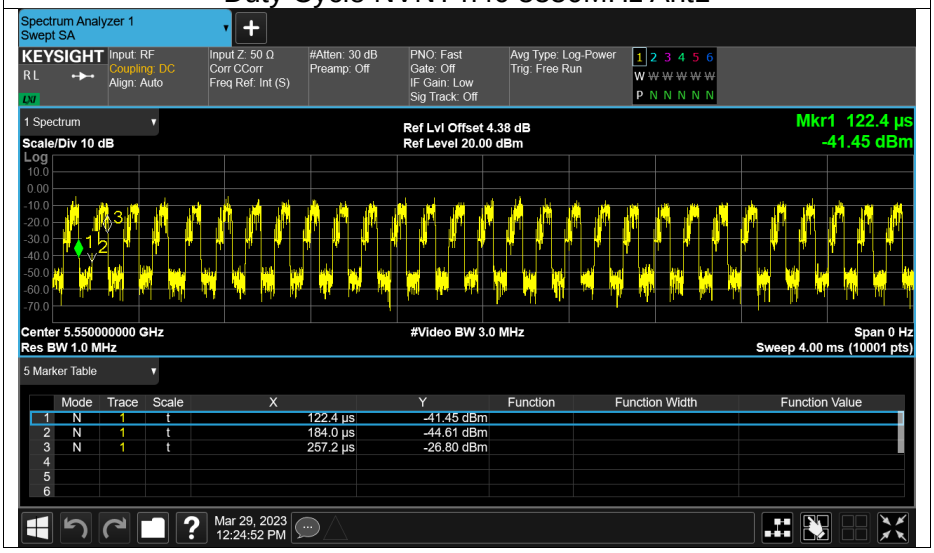
Duty Cycle NVNT n40 5310MHz Ant1



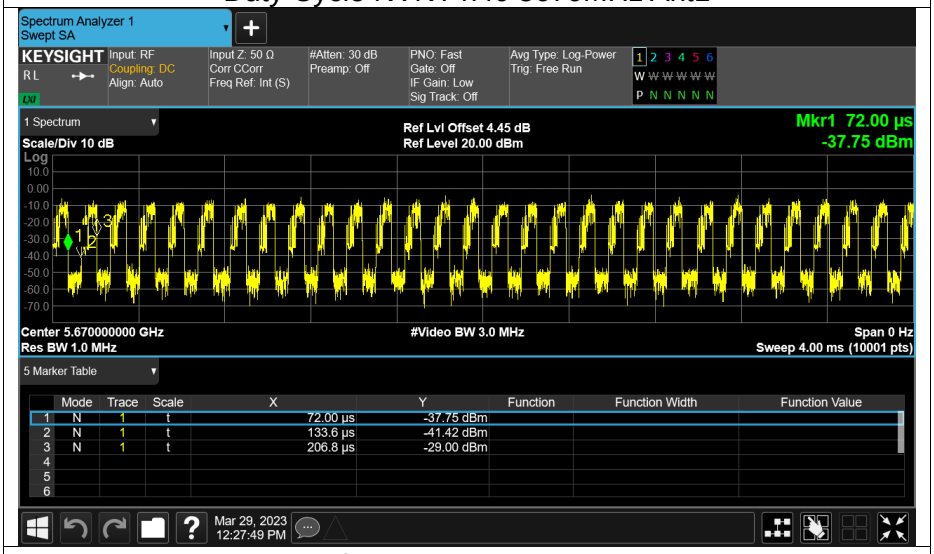
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5550MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



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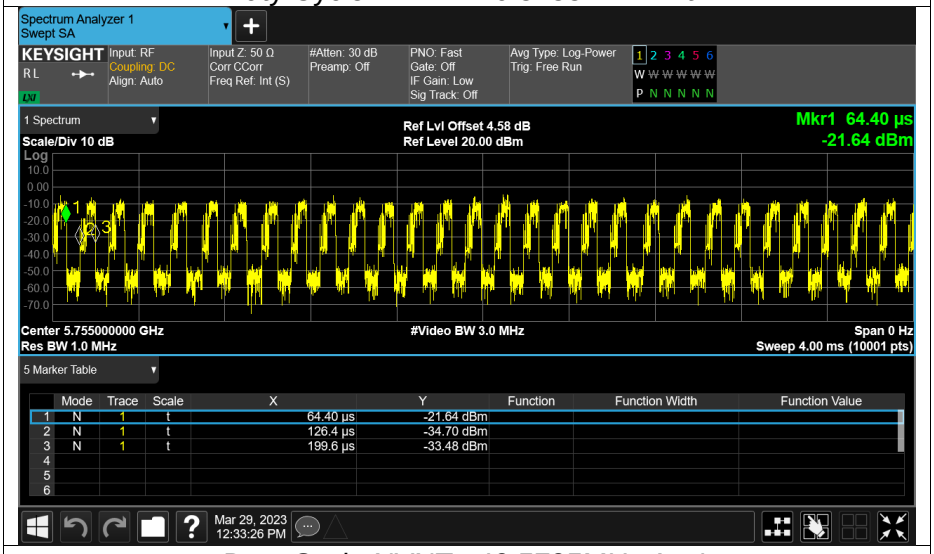

Duty Cycle NVNT n40 5795MHz Ant1