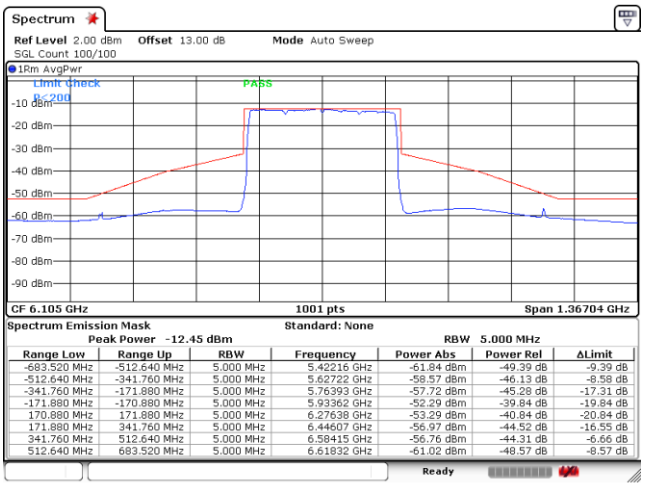
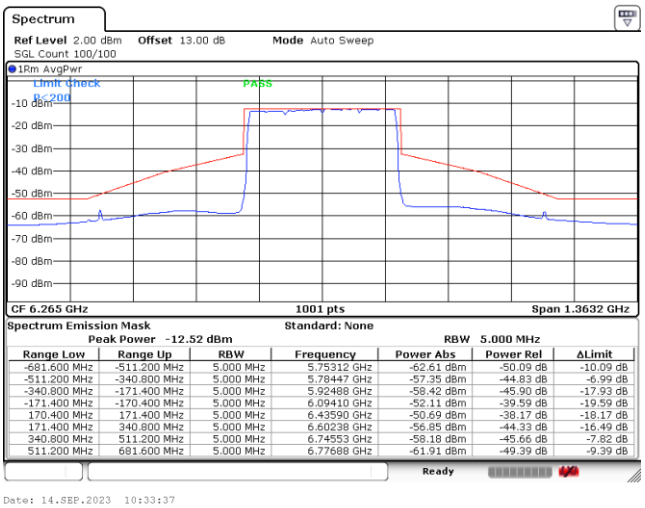
EUT Mode :	802.11be EHT320

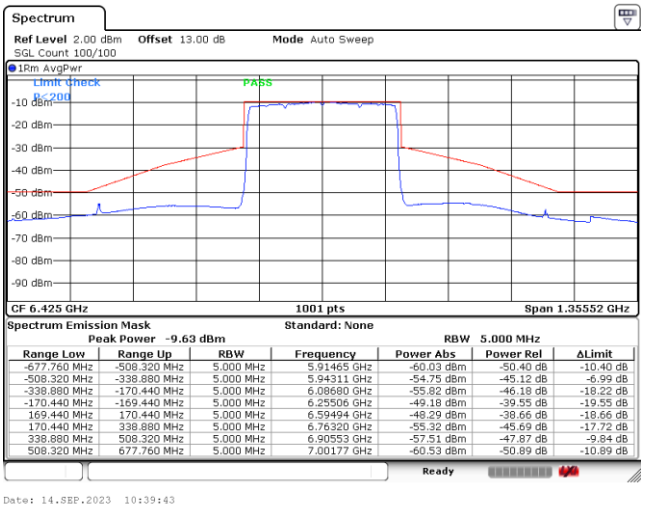
Plot on Channel 6105MHz



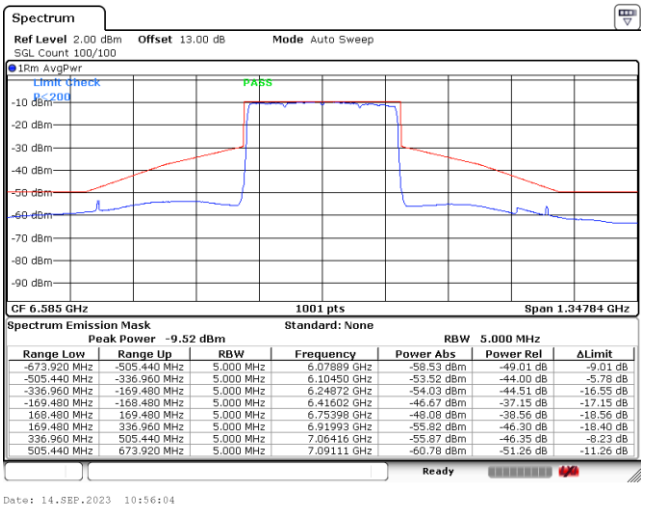
Plot on Channel 6265MHz



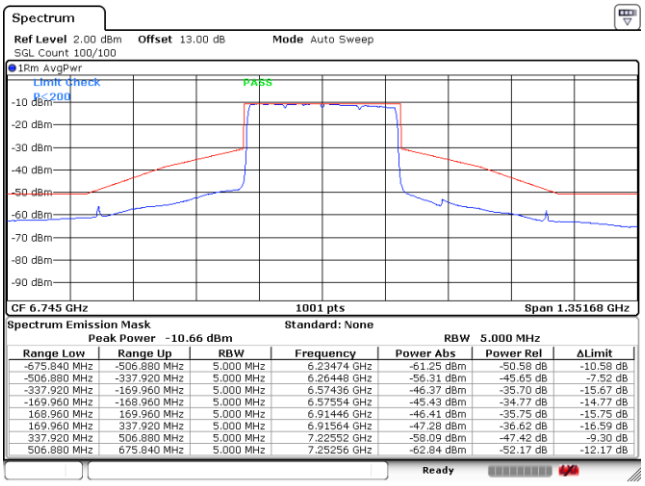
Plot on Channel 6425MHz



Plot on Channel 6585MHz



Plot on Channel 6745MHz



Spectrum Emission Mask Standard: None

Peak Power -10.66 dBm RBW 5.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-675.840 MHz	-506.880 MHz	5.000 MHz	6.23474 GHz	-61.25 dBm	-50.58 dB	-10.58 dB
-506.880 MHz	-337.920 MHz	5.000 MHz	6.26448 GHz	-56.31 dBm	-45.65 dB	-7.52 dB
-337.920 MHz	-169.960 MHz	5.000 MHz	6.57436 GHz	-46.37 dBm	-35.70 dB	-15.67 dB
-169.960 MHz	-168.960 MHz	5.000 MHz	6.57554 GHz	-45.43 dBm	-34.77 dB	-14.77 dB
168.960 MHz	169.960 MHz	5.000 MHz	6.91446 GHz	-46.41 dBm	-35.75 dB	-15.75 dB
169.960 MHz	337.920 MHz	5.000 MHz	6.91564 GHz	-47.28 dBm	-36.62 dB	-16.59 dB
337.920 MHz	506.880 MHz	5.000 MHz	7.22552 GHz	-58.09 dBm	-47.42 dB	-9.30 dB
506.880 MHz	675.840 MHz	5.000 MHz	7.25256 GHz	-62.84 dBm	-52.17 dB	-12.17 dB

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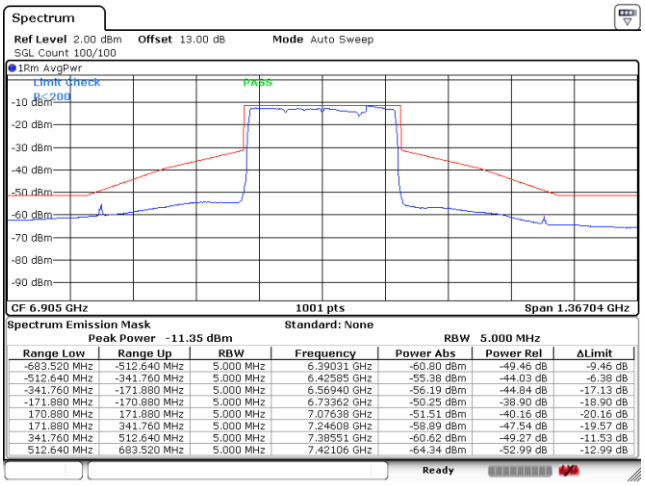
Plot on Channel 6905MHz



Spectrum Emission Mask Standard: None

Peak Power -11.35 dBm RBW 5.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-683.520 MHz	-512.640 MHz	5.000 MHz	6.39031 GHz	-60.80 dBm	-49.46 dB	-9.46 dB
-512.640 MHz	-341.760 MHz	5.000 MHz	6.42585 GHz	-55.38 dBm	-44.03 dB	-6.38 dB
-341.760 MHz	-171.880 MHz	5.000 MHz	6.56940 GHz	-56.19 dBm	-44.84 dB	-17.13 dB
-171.880 MHz	-170.880 MHz	5.000 MHz	6.73362 GHz	-50.25 dBm	-38.90 dB	-18.90 dB
170.880 MHz	171.880 MHz	5.000 MHz	7.07638 GHz	-51.51 dBm	-40.16 dB	-20.16 dB
171.880 MHz	341.760 MHz	5.000 MHz	7.24608 GHz	-58.89 dBm	-47.54 dB	-19.57 dB
341.760 MHz	512.640 MHz	5.000 MHz	7.38551 GHz	-60.62 dBm	-49.27 dB	-11.53 dB
512.640 MHz	683.520 MHz	5.000 MHz	7.42106 GHz	-64.34 dBm	-52.99 dB	-12.99 dB

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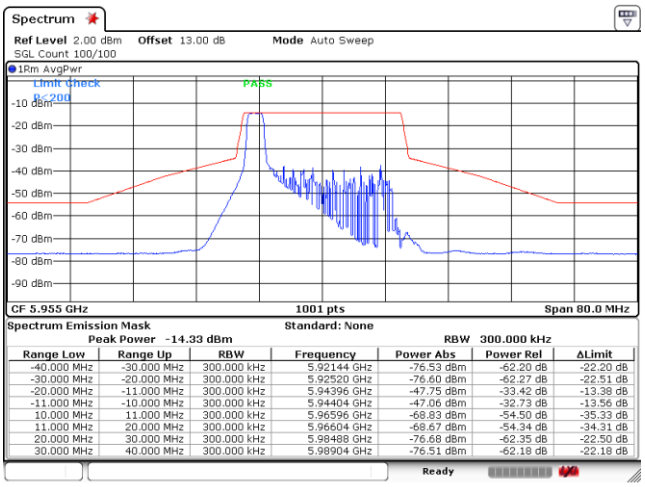
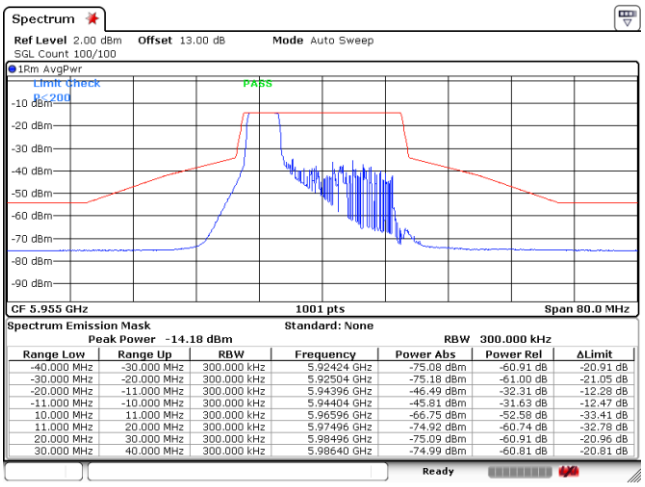
EUT Mode :	802.11be EHT20 – Partial RU

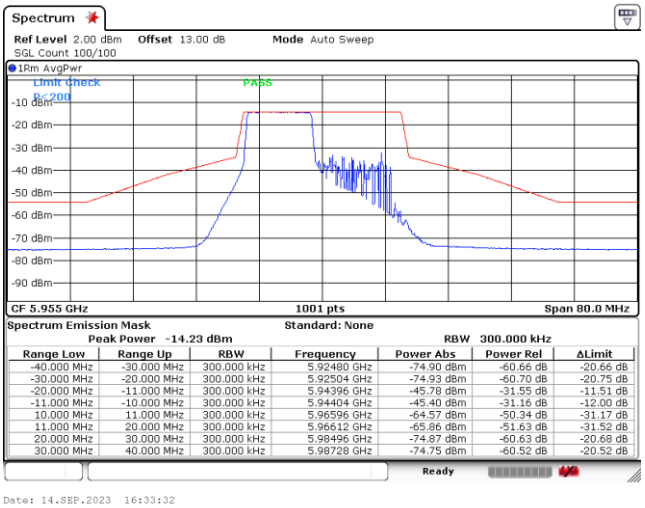
Plot on Channel 5955MHz 26RU0



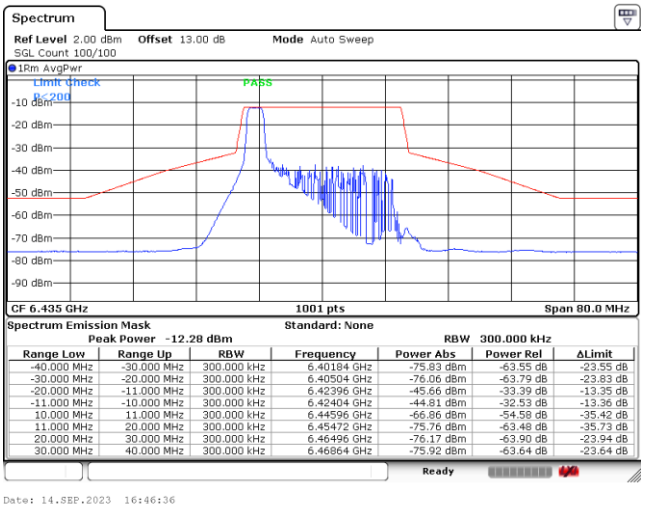
Plot on Channel 5955MHz 52RU37



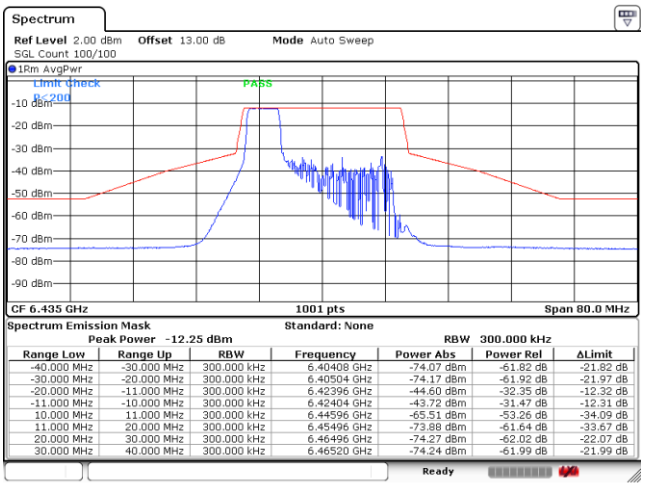
Plot on Channel 5955MHz 106RU53



Plot on Channel 6435MHz 26RU0



Plot on Channel 6435MHz 52RU37



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.40408 GHz	-74.07 dBm	-61.82 dB	-21.82 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.40504 GHz	-74.17 dBm	-61.92 dB	-21.97 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.42396 GHz	-44.60 dBm	-32.35 dB	-12.32 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.42404 GHz	-43.72 dBm	-31.47 dB	-12.31 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.44596 GHz	-65.51 dBm	-53.26 dB	-34.09 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.45496 GHz	-73.88 dBm	-61.64 dB	-33.67 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.46496 GHz	-74.27 dBm	-62.02 dB	-22.07 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.46520 GHz	-74.24 dBm	-61.99 dB	-21.99 dB

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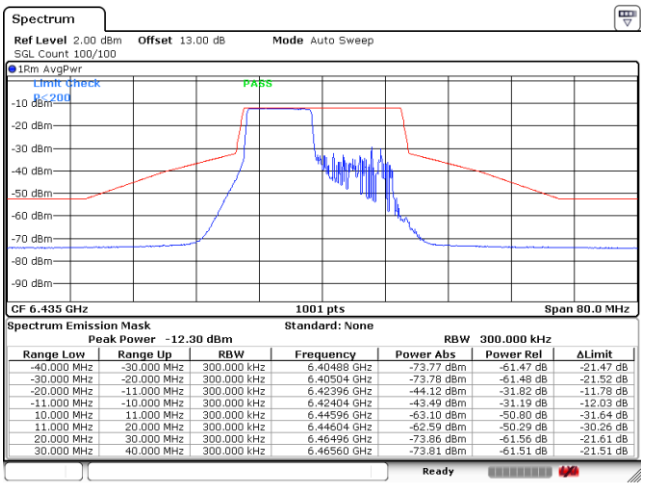
Plot on Channel 6435MHz 106RU53



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.40488 GHz	-73.77 dBm	-61.47 dB	-21.47 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.40504 GHz	-73.78 dBm	-61.48 dB	-21.52 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.42396 GHz	-44.12 dBm	-31.82 dB	-11.78 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.42404 GHz	-43.49 dBm	-31.19 dB	-12.03 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.44596 GHz	-63.10 dBm	-50.80 dB	-31.64 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.44604 GHz	-62.59 dBm	-50.29 dB	-30.26 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.46496 GHz	-73.86 dBm	-61.56 dB	-21.61 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.46560 GHz	-73.81 dBm	-61.51 dB	-21.51 dB

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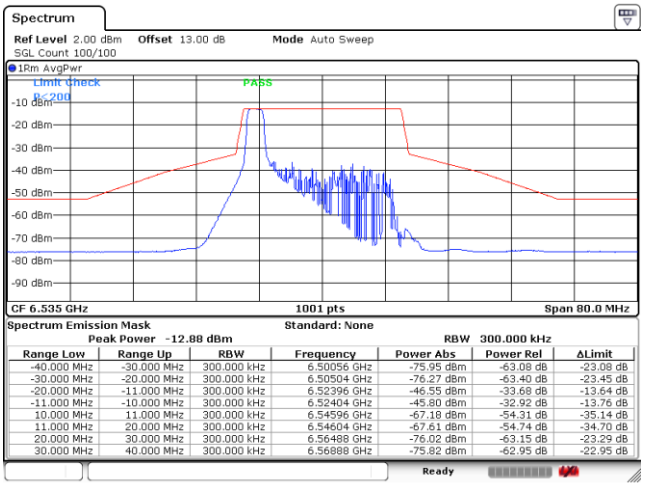
Plot on Channel 6535MHz 26RU0



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.50056 GHz	-75.95 dBm	-63.08 dB	-23.08 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.50504 GHz	-76.27 dBm	-63.40 dB	-23.45 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.52396 GHz	-46.55 dBm	-33.68 dB	-13.64 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.52404 GHz	-45.80 dBm	-32.92 dB	-13.76 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.54596 GHz	-67.18 dBm	-54.31 dB	-35.14 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.54604 GHz	-67.61 dBm	-54.74 dB	-34.70 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.56488 GHz	-76.02 dBm	-63.15 dB	-23.29 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.56888 GHz	-75.82 dBm	-62.95 dB	-22.95 dB

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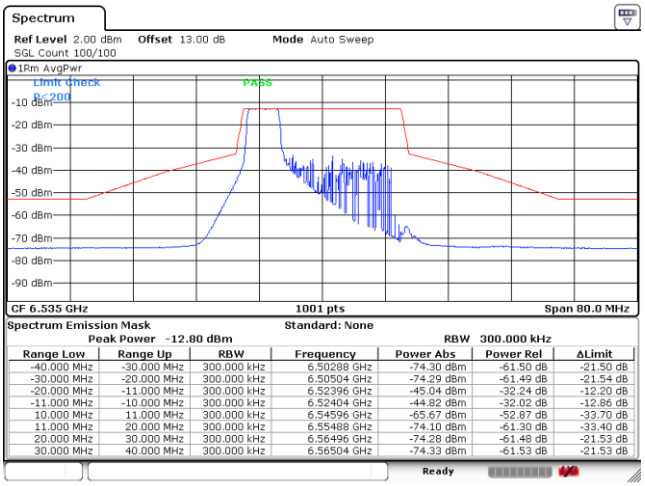
Plot on Channel 6535MHz 52RU37



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.50288 GHz	-74.30 dBm	-61.50 dB	-21.50 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.50504 GHz	-74.29 dBm	-61.49 dB	-21.54 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.52396 GHz	-45.04 dBm	-32.24 dB	-12.20 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.52404 GHz	-44.82 dBm	-32.02 dB	-12.86 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.54596 GHz	-65.67 dBm	-52.87 dB	-33.70 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.55488 GHz	-74.10 dBm	-61.30 dB	-33.40 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.56496 GHz	-74.28 dBm	-61.48 dB	-21.53 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.56504 GHz	-74.33 dBm	-61.53 dB	-21.53 dB

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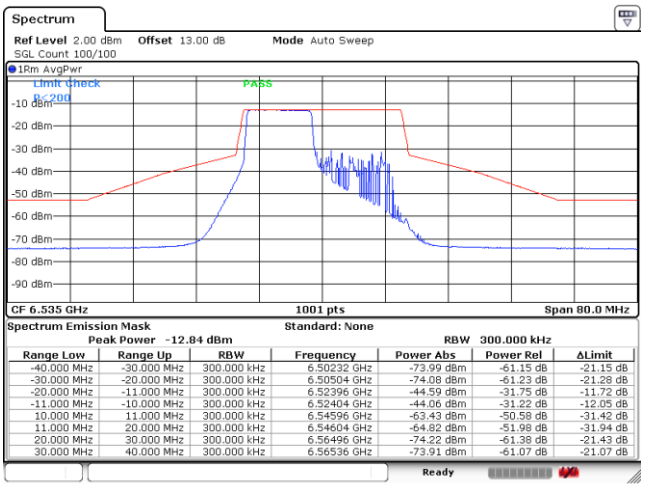
Plot on Channel 6535MHz 106RU53



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.50232 GHz	-73.99 dBm	-61.15 dB	-21.15 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.50504 GHz	-74.08 dBm	-61.23 dB	-21.28 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.52396 GHz	-44.59 dBm	-31.75 dB	-11.72 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.52404 GHz	-44.06 dBm	-31.22 dB	-12.05 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.54596 GHz	-63.43 dBm	-50.58 dB	-31.42 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.54604 GHz	-64.82 dBm	-51.98 dB	-31.94 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.56496 GHz	-74.22 dBm	-61.38 dB	-21.43 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.56536 GHz	-73.91 dBm	-61.07 dB	-21.07 dB

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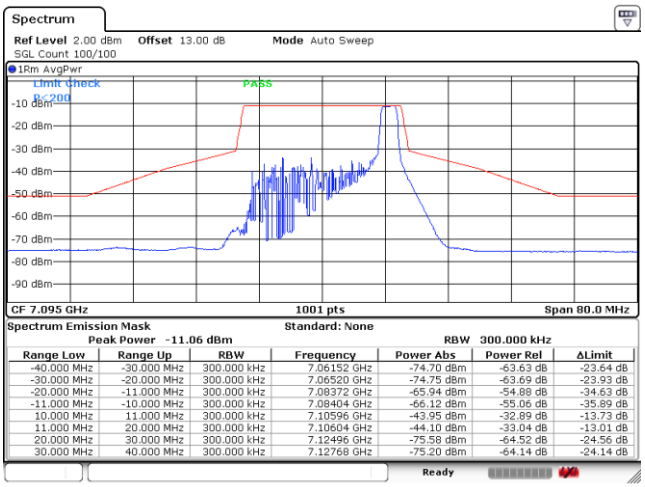
Plot on Channel 7095MHz 26RU8



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06152 GHz	-74.70 dBm	-63.63 dB	-23.64 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06520 GHz	-74.75 dBm	-63.69 dB	-23.93 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08372 GHz	-65.94 dBm	-54.88 dB	-34.63 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08404 GHz	-66.12 dBm	-55.06 dB	-35.89 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10596 GHz	-43.95 dBm	-32.89 dB	-13.73 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10604 GHz	-44.10 dBm	-33.04 dB	-13.01 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12496 GHz	-75.58 dBm	-64.52 dB	-24.56 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12768 GHz	-75.20 dBm	-64.14 dB	-24.14 dB

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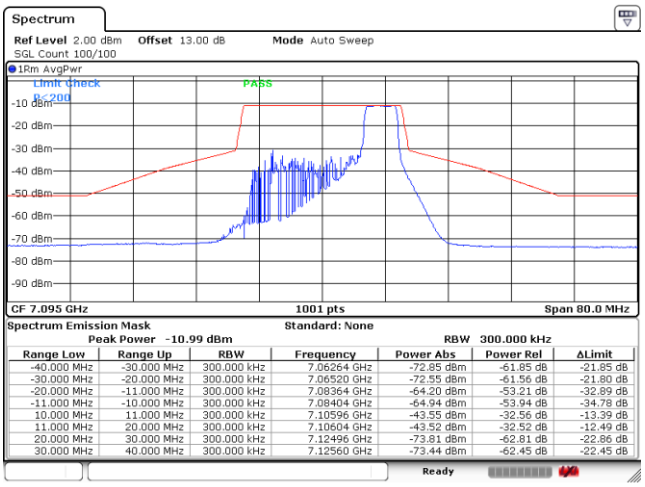
Plot on Channel 7095MHz 52RU40



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06264 GHz	-72.85 dBm	-61.85 dB	-21.85 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06520 GHz	-72.55 dBm	-61.56 dB	-21.80 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08364 GHz	-64.20 dBm	-53.21 dB	-32.89 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08404 GHz	-64.94 dBm	-53.94 dB	-34.78 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10596 GHz	-43.55 dBm	-32.56 dB	-13.39 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10604 GHz	-43.52 dBm	-32.52 dB	-12.49 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12496 GHz	-73.81 dBm	-62.81 dB	-22.86 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12560 GHz	-73.44 dBm	-62.45 dB	-22.45 dB

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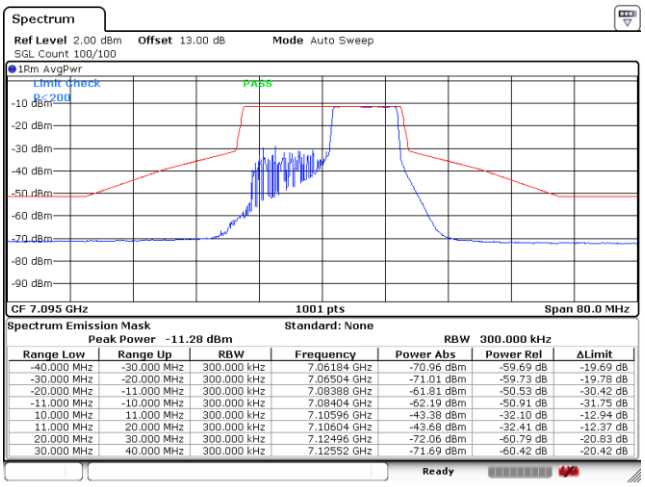
Plot on Channel 7095MHz 106RU54



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06184 GHz	-70.96 dBm	-59.69 dB	-19.69 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06504 GHz	-71.01 dBm	-59.73 dB	-19.78 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08388 GHz	-61.81 dBm	-50.53 dB	-30.42 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08404 GHz	-62.19 dBm	-50.91 dB	-31.75 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10596 GHz	-43.38 dBm	-32.10 dB	-12.94 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10604 GHz	-43.68 dBm	-32.41 dB	-12.37 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12496 GHz	-72.06 dBm	-60.79 dB	-20.83 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12552 GHz	-71.69 dBm	-60.42 dB	-20.42 dB

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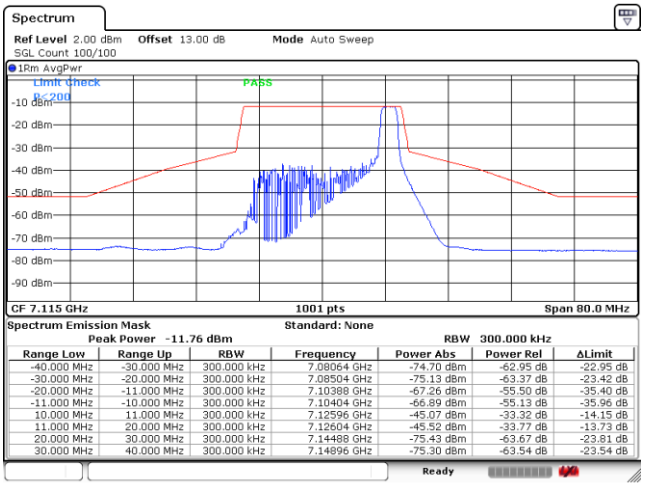
Plot on Channel 7115MHz 26RU8



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.08064 GHz	-74.70 dBm	-62.95 dB	-22.95 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.08504 GHz	-75.13 dBm	-63.37 dB	-23.42 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.10388 GHz	-67.26 dBm	-55.50 dB	-35.40 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.10404 GHz	-66.89 dBm	-55.13 dB	-35.96 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.12596 GHz	-45.07 dBm	-33.32 dB	-14.15 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.12604 GHz	-45.52 dBm	-33.77 dB	-13.73 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.14488 GHz	-75.43 dBm	-63.67 dB	-23.81 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.14896 GHz	-75.30 dBm	-63.54 dB	-23.54 dB

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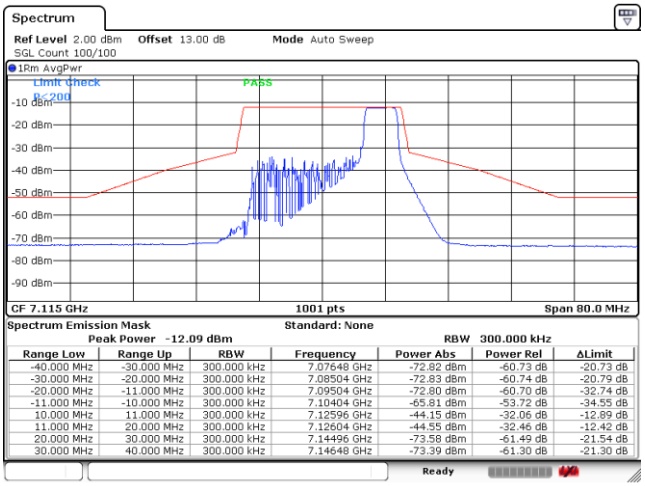
Plot on Channel 7115MHz 52RU40



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.07648 GHz	-72.82 dBm	-60.73 dB	-20.73 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.08504 GHz	-72.83 dBm	-60.74 dB	-20.79 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.09504 GHz	-72.80 dBm	-60.70 dB	-32.74 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.10404 GHz	-65.81 dBm	-53.72 dB	-34.55 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.12596 GHz	-44.15 dBm	-32.06 dB	-12.89 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.12604 GHz	-44.55 dBm	-32.46 dB	-12.42 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.14496 GHz	-73.58 dBm	-61.49 dB	-21.54 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.14648 GHz	-73.39 dBm	-61.30 dB	-21.30 dB

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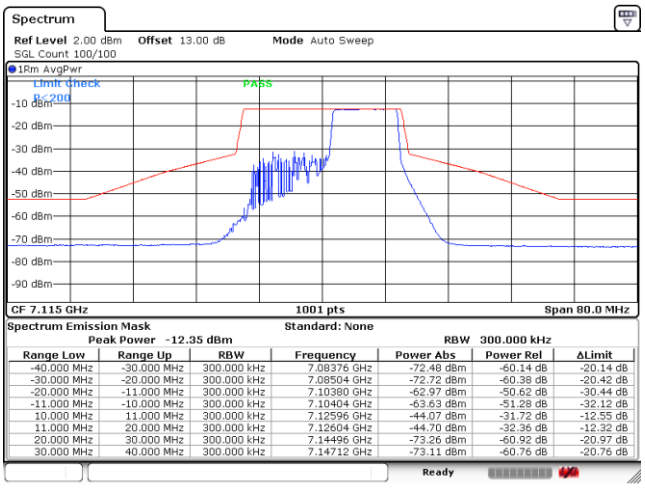
Plot on Channel 7115MHz 106RU54



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.08376 GHz	-72.48 dBm	-60.14 dB	-20.14 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.08504 GHz	-72.72 dBm	-60.38 dB	-20.42 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.10380 GHz	-62.97 dBm	-50.62 dB	-30.44 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.10404 GHz	-63.63 dBm	-51.28 dB	-32.12 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.12596 GHz	-44.07 dBm	-31.72 dB	-12.55 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.12604 GHz	-44.70 dBm	-32.36 dB	-12.32 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.14496 GHz	-73.26 dBm	-60.92 dB	-20.97 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.14712 GHz	-73.11 dBm	-60.76 dB	-20.76 dB

Date: 15.SEP.2023 17:12:18

3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

where:
$BWEUT$: Transmission bandwidth of EUT signal
$BWInc$: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)
$fc1$: Center frequency of EUT transmission
$fc2$: Center frequency of simulated incumbent signal

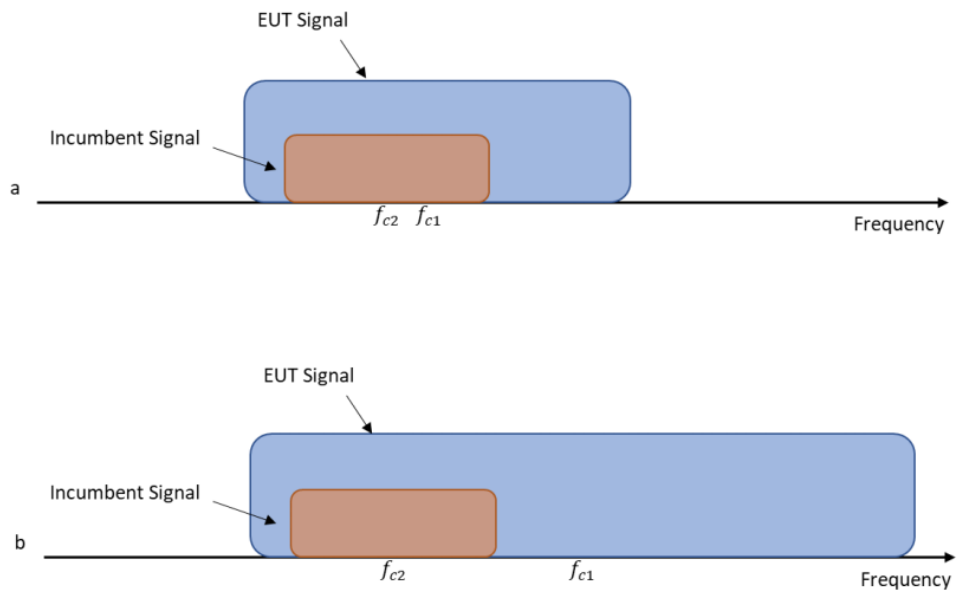


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. To ensure EUT reliably detects an incumbent signal in both scenarios shown in Figure 1, the detection threshold test may be repeated more than once with the incumbent signal (having center frequency $fc2$) tuned to different center frequencies within the UT transmission bandwidth. The criteria specified in Table 1 determines how many times the detection threshold test must be performed
2. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
3. Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
4. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
5. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 2, choose a different center

frequency for the AWGN signal and repeat the process.

6. EUT was driven in MIMO mode, the interferer signal was injected to both chains to monitor the performance, while the interferer level is determined according to the lowest antenna gain among both antennas.

3.5.4 Test Setup

Conducted Setup

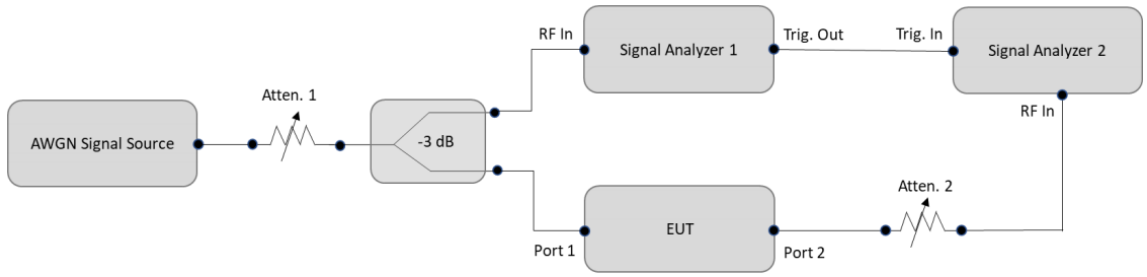


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN

3.5.6 Test Summary of Contention Based Protocol Test

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-66.27	100	-62	-65.27	3.27
					Result: Stop Transmission			
				-67.27	<90	-62	-66.27	4.27
					Result: Minimal Operation			
				-68.27	0	-62	-67.27	5.27
					Result: Normal Operation			
	6105	320	5950	-84.95	100	-62	-83.95	21.95
					Result: Stop Transmission			
				-85.95	<90	-62	-84.95	22.95
					Result: Minimal Operation			
				-86.95	0	-62	-85.95	23.95
					Result: Normal Operation			
			6105	-79.94	100	-62	-78.94	16.94
					Result: Stop Transmission			
				-80.94	<90	-62	-79.94	17.94
					Result: Minimal Operation			
				-81.94	0	-62	-80.94	18.94
					Result: Normal Operation			
			6260	-65.87	100	-62	-64.87	2.87
					Result: Stop Transmission			
				-66.87	<90	-62	-65.87	3.87
					Result: Minimal Operation			
				-67.87	0	-62	-66.87	4.87
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 9, gain = -1.0dBi)

Note 2: Path Loss between antenna and RF connector is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	**-65.15 (worst)**	100	-62	-62.35	**0.35**
					Result: Stop Transmission			
				-66.15	<90	-62	-63.35	1.35
					Result: Minimal Operation			
				-67.15	0	-62	-64.35	2.35
					Result: Normal Operation			
UNII Band 5/6/7	6425	320	6270	-81.58	100	-62	-78.78	16.78
					Result: Stop Transmission			
				-82.58	<90	-62	-79.78	17.78
					Result: Minimal Operation			
				-83.58	0	-62	-80.78	18.78
					Result: Normal Operation			
			6425	-77.89	100	-62	-75.09	13.09
					Result: Stop Transmission			
				-78.89	<90	-62	-76.09	14.09
					Result: Minimal Operation			
				-79.89	0	-62	-77.09	15.09
					Result: Normal Operation			
			6580	-65.35	100	-62	-62.55	0.55
					Result: Stop Transmission			
				-66.35	<90	-62	-63.55	1.55
					Result: Minimal Operation			
				-67.35	0	-62	-64.55	2.55
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 15, gain = -2.8dBi)

Note 2: Path Loss between antenna and RF connector is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-66.17	100	-62	-64.17	2.17
					Result: Stop Transmission			
				-67.17	<90	-62	-65.17	3.17
					Result: Minimal Operation			
				-68.17	0	-62	-66.17	4.17
					Result: Normal Operation			
UNII Band 7(8)	6745	320	6590	-83.36	100	-62	-81.36	19.36
					Result: Stop Transmission			
				-84.36	<90	-62	-82.36	20.36
					Result: Minimal Operation			
				-85.36	0	-62	-83.36	21.36
					Result: Normal Operation			
			6745	-74.15	100	-62	-72.15	10.15
					Result: Stop Transmission			
				-75.15	<90	-62	-73.15	11.15
					Result: Minimal Operation			
				-76.15	0	-62	-74.15	12.15
					Result: Normal Operation			
			6900	-65.19	100	-62	-63.19	1.19
					Result: Stop Transmission			
				-66.19	<90	-62	-64.19	2.19
					Result: Minimal Operation			
				-67.19	0	-62	-65.19	3.19
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 9, gain = -2.0dBi)

Note 2: Path Loss between antenna and RF connector is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power

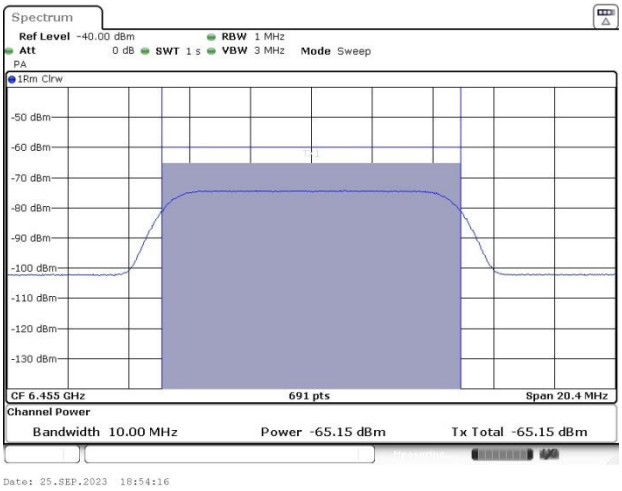
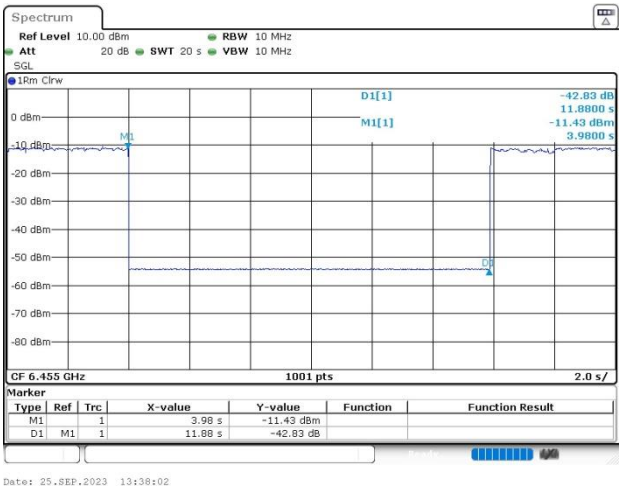
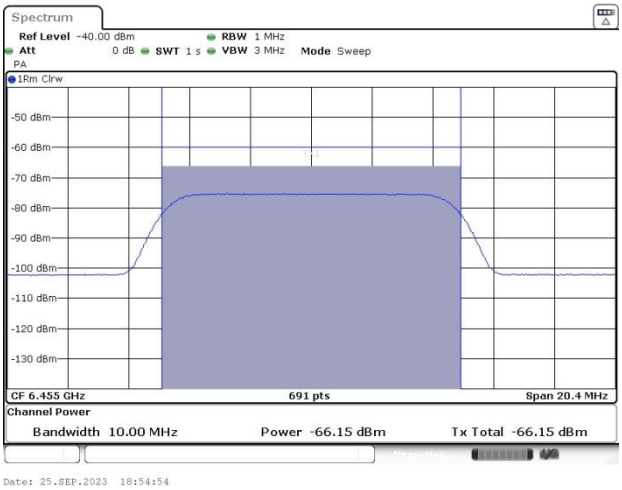
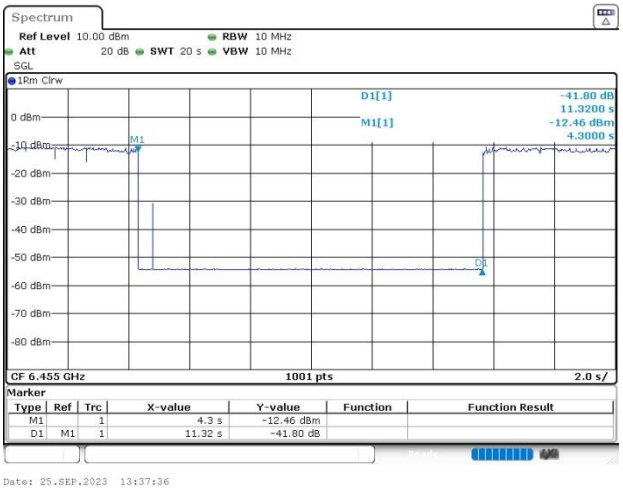
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-63.91	100	-62	-63.41	1.41
					Result: Stop Transmission			
				-64.91	<90	-62	-64.41	2.41
					Result: Minimal Operation			
				-65.91	0	-62	-65.41	3.41
					Result: Normal Operation			
UNII Band 8(7)	6745	320	6590	-83.36	100	-62	-82.86	20.86
					Result: Stop Transmission			
				-84.36	<90	-62	-83.86	21.86
					Result: Minimal Operation			
				-85.36	0	-62	-84.86	22.86
					Result: Normal Operation			
			6745	-74.15	100	-62	-73.65	11.65
					Result: Stop Transmission			
				-75.15	<90	-62	-74.65	12.65
					Result: Minimal Operation			
				-76.15	0	-62	-75.65	13.65
					Result: Normal Operation			
			6900	-65.19	100	-62	-64.69	2.69
					Result: Stop Transmission			
				-66.19	<90	-62	-65.69	3.69
					Result: Minimal Operation			
				-67.19	0	-62	-66.69	4.69
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 9, gain = -0.5dBi)

Note 2: Path Loss between antenna and RF connector is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power

3.5.7 Worst Case Plots of Contention Based Protocol

Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11be (EHT20) / 6455MHz Threshold Level (TL) = -65.15dBm	802.11be (EHT20) / 6455MHz Test result is pass due to no transmission occur.
	
802.11be (EHT20) / 6455MHz Threshold Level (TL) = -66.15dBm	802.11be (EHT20) / 6455MHz Transmit when the interferer is 1dB lower.
	

Remark: M1: Injection of AWGN signal, D1: Removal of AWGN signal

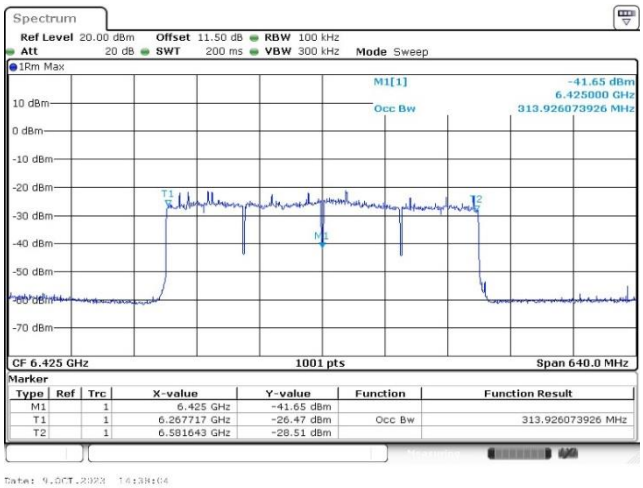
3.5.8 Worst Case of Contention Based Protocol Transmission Bandwidth

Verify transmission absence when Incumbent signal at different frequency (frequency domain plots).

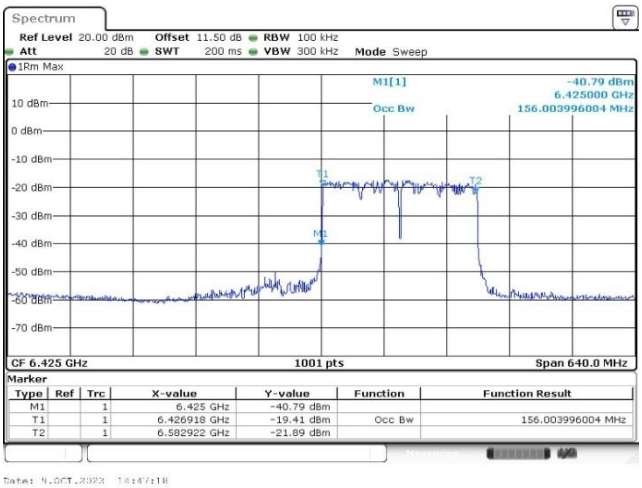
1. When Incumbent Signal inject at lowest frequency, the transmission bandwidth reduced to 160MHz;
2. When Incumbent Signal inject at middle frequency, the whole 320MHz bandwidth stop transmission;
3. When Incumbent Signal inject at highest frequency, the whole 320MHz bandwidth stop transmission;

UNII 6_CH95 (6425MHz / BW=320MHz)

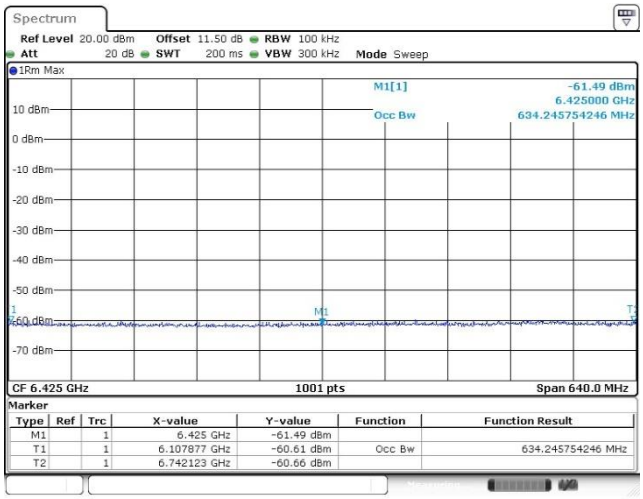
Non-Incumbent Signal (full 320MHz)



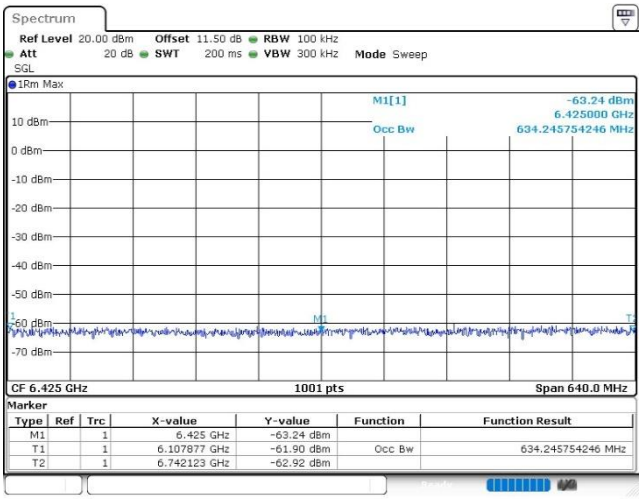
Incumbent Signal @ Lowest Frequency



Incumbent Signal @ Middle Frequency



Incumbent Signal @ Highest Frequency



3.6 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.6.1 Limit of Unwanted Emissions

(1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBµV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts)

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

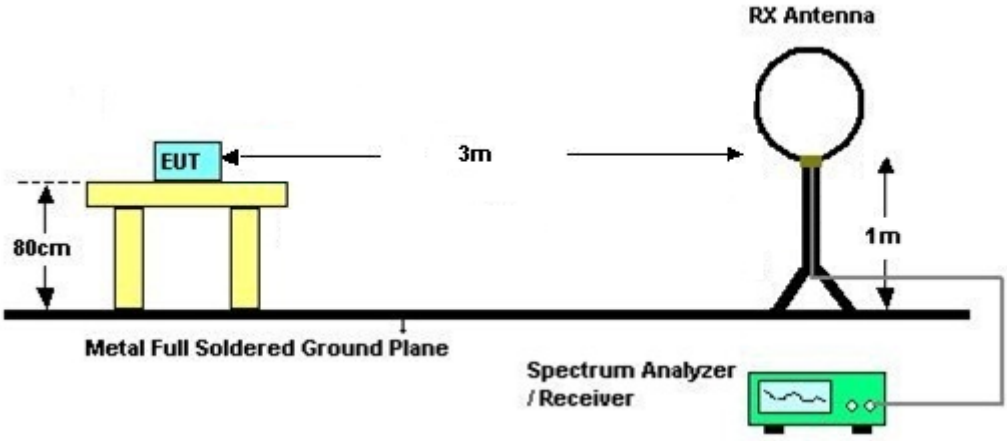
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

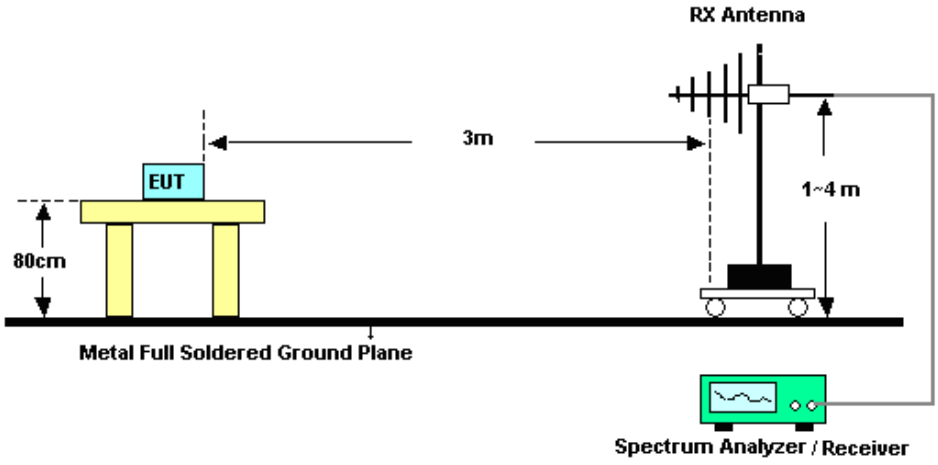
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.6.4 Test Setup

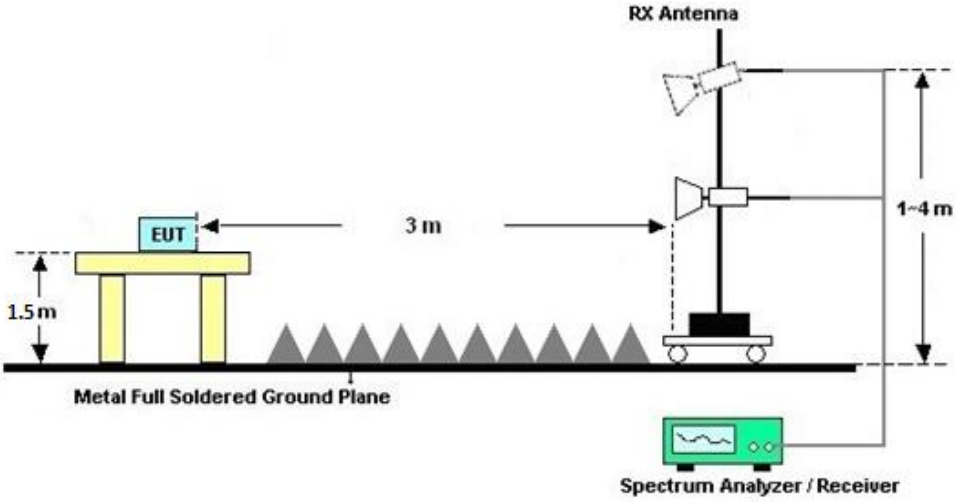
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.6.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C&D

3.6.7 Duty Cycle

Please refer to Appendix E.

3.6.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C&D.

The emission level above 18GHz is checked that the emission level is noise floor only, so it is not reflected in the report.

3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

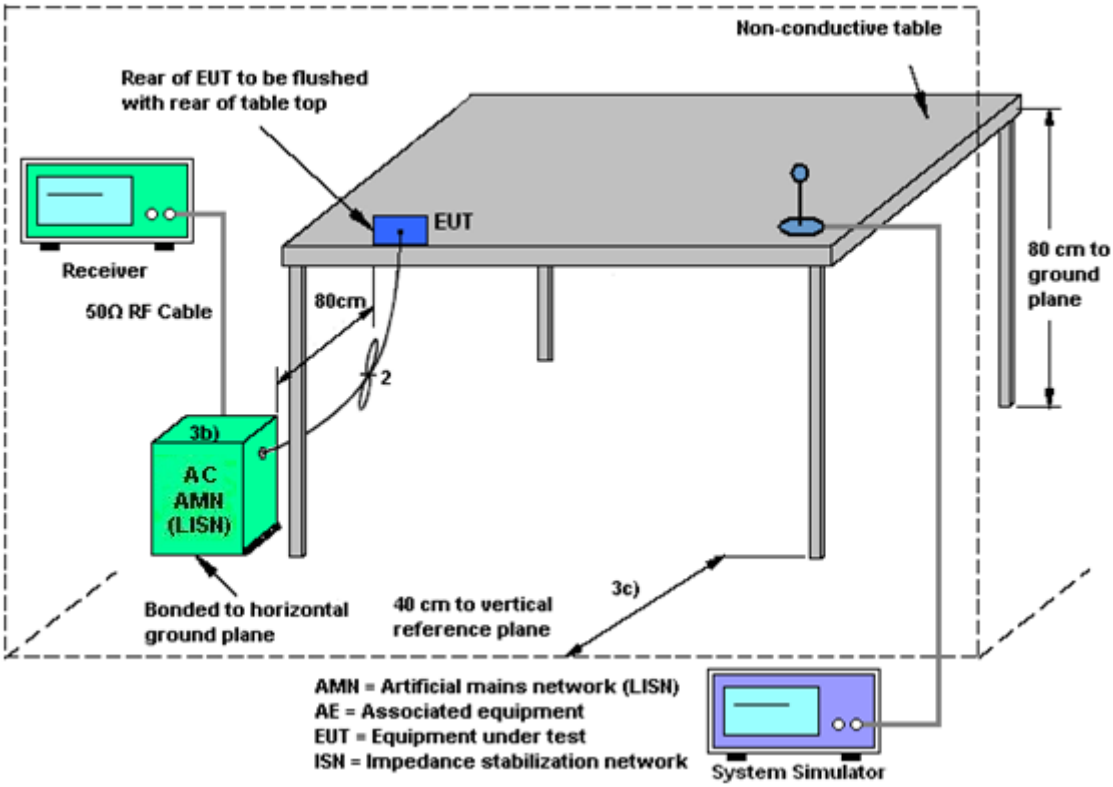
3.7.2 Measuring Instruments

See list of measuring equipment of this test report.

3.7.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.8 Antenna Requirements

3.8.1 Standard Applicable

§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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used. The EUT complies with the requirement of 15.203.

3.8.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e.,

Directional gain = $G_{ANT\ MAX}$(Ant.1 Gain, Ant.2 Gain,…) + Array Gain, as following table for Power,

where Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

For PSD, the directional gain calculation is following,

Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{Gn/20})^2 / N_{ANT}]$ dBi, as following table for PSD.

N_{ANT} = number of transmit antennas

N_{SS} = number of spatial streams. (The worst case directional gain will occur when NSS = 1)

For completely uncorrelated transmissions, directional gain is calculated as,

Directional gain = $G_{ANT\ MAX}$(Ant.1 Gain, Ant.2 Gain,…), as following table

<CDD Modes>

	Ant. 9 (dBi)	Ant. 15 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
UNII-5	-1.00	1.00	1.00	3.07
UNII-6	-2.00	-2.80	-2.00	0.62
UNII-7	-2.00	-2.00	-2.00	1.01
UNII-8	-0.50	0.00	0.00	2.76

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	Sep. 13, 2023~ Oct. 12, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 27, 2022	Sep. 13, 2023~ Oct. 12, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 27, 2022	Sep. 13, 2023~ Oct. 12, 2023	Dec. 26, 2023	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 19, 2022	Sep. 08, 2023~ Sep. 28, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2023	Sep. 08, 2023~ Sep. 28, 2023	Jul. 06, 2024	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Sep. 08, 2023~ Sep. 28, 2023	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	May 14, 2023	Sep. 08, 2023~ Sep. 28, 2023	May 13, 2024	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2023	Sep. 08, 2023~ Sep. 28, 2023	Jul. 06, 2024	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 08, 2023	Sep. 08, 2023~ Sep. 28, 2023	Jul. 07, 2024	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Sep. 08, 2023~ Sep. 28, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Sep. 08, 2023~ Sep. 28, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 07, 2023	Sep. 08, 2023~ Sep. 28, 2023	Jul. 06, 2024	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Aug. 21, 2023	Sep. 08, 2023~ Sep. 28, 2023	Aug. 20, 2024	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Nov. 10, 2022	Sep. 08, 2023~ Sep. 28, 2023	Nov. 10, 2023	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Sep. 08, 2023~ Sep. 28, 2023	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Sep. 08, 2023~ Sep. 28, 2023	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Jul. 06, 2023	Sep. 19, 2023	Jul. 05, 2024	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Aug. 21, 2023	Sep. 19, 2023	Aug. 20, 2024	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 17, 2022	Sep. 19, 2023	Oct. 16, 2023	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2023	Sep. 19, 2023	Jul. 06, 2024	Conduction (CO01-SZ)
Signal Analyzer	R&S	FSV7	101473	10Hz~7GHz	Dec. 27, 2022	Sep. 25, 2023~ Oct. 09, 2023	Dec. 26, 2023	Conducted (DFS01-SZ)
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200424	9kHz~6GHz	Apr. 04, 2023	Sep. 25, 2023~ Oct. 09, 2023	Apr. 03, 2024	Conducted (DFS01-SZ)
Combiner	TOJOIN	PS-2AM-0460	SZE14011007	0.4~6GHz	Sep. 05, 2023	Sep. 25, 2023~ Oct. 09, 2023	Sep. 04, 2024	Conducted (DFS01-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %
Conducted Power Spectral Density	±1.32 dB

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.7 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

---------- THE END ----------

Appendix A. Conducted Test Results

A1. Conducted Test Results

Test Engineer:	Chen Ran	Temperature:	21~25	°C
Test Date:	2023/9/13~10/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

UNII-5 MIMO								
Mod.	Data Rate	N_{TX}	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)
				Ant9	Ant15	Ant9	Ant15	
11a	6Mbps	2	5955	17.58	17.68	23.88	23.70	320
11a	6Mbps	2	6175	17.38	17.38	23.64	23.52	320
11a	6Mbps	2	6415	17.33	17.48	23.70	23.64	320

TEST RESULTS DATA
26dB and 99% OBW

UNII-6 MIMO								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)
				Ant9	Ant15	Ant9	Ant15	
11a	6Mbps	2	6435	17.43	17.33	23.58	24.06	320
11a	6Mbps	2	6475	17.53	17.43	23.52	23.16	320
11a	6Mbps	2	6515	17.48	17.43	23.70	23.76	320

TEST RESULTS DATA
26dB and 99% OBW

UNII-7 MIMO								
Mod.	Data Rate	N_{TX}	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)
				Ant9	Ant15	Ant9	Ant15	
11a	6Mbps	2	6535	17.33	17.38	23.52	23.64	320
11a	6Mbps	2	6695	17.48	17.53	23.40	23.40	320
11a	6Mbps	2	6855	17.43	17.28	23.76	23.82	320

TEST RESULTS DATA
26dB EBW and 99% OBW

UNII-8 MIMO								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)
				Ant9	Ant15	Ant9	Ant15	
11a	6Mbps	2	6875	17.53	17.43	23.40	23.22	320
11a	6Mbps	2	6895	17.53	17.28	23.70	23.46	320
11a	6Mbps	2	6995	17.48	17.48	22.86	23.04	320
11a	6Mbps	2	7095	17.28	17.28	23.88	23.70	320
11a	6Mbps	2	7115	17.28	17.28	23.52	23.64	320

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TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO															
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
				Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
11a	6Mbps	2	5955	0.04	0.04	4.25	3.22	6.78	1.00		7.78	24.00	Pass	5	
11a	6Mbps	2	6175	0.04	0.04	4.12	3.94	7.05	1.00		8.05	24.00	Pass	6	
11a	6Mbps	2	6415	0.04	0.04	4.14	3.89	7.03	1.00		8.03	24.00	Pass	5.5	

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TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO															
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
				Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
11a	6Mbps	2	6435	0.04	0.04	6.68	6.29	9.50	-2.00		7.50	24.00	Pass	8	
11a	6Mbps	2	6475	0.04	0.04	6.71	6.32	9.53	-2.00		7.53	24.00	Pass	8	
11a	6Mbps	2	6515	0.04	0.04	6.61	6.39	9.52	-2.00		7.52	24.00	Pass	8	

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TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO															
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
				Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
11a	6Mbps	2	6535	0.04	0.04	6.44	6.39	9.43	-2.00		7.43	24.00	Pass	8	
11a	6Mbps	2	6695	0.04	0.04	6.46	5.69	9.11	-2.00		7.11	24.00	Pass	8	
11a	6Mbps	2	6855	0.04	0.04	6.74	6.14	9.47	-2.00		7.47	24.00	Pass	8.5	

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TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO															
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
				Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
11a	6Mbps	2	6875	0.04	0.04	4.11	4.07	7.11	0.00		7.11	24.00	Pass	6.5	
11a	6Mbps	2	6895	0.04	0.04	4.64	4.34	7.51	0.00		7.51	24.00	Pass	7	
11a	6Mbps	2	6995	0.04	0.04	2.56	2.14	5.37	0.00		5.37	24.00	Pass	4.5	
11a	6Mbps	2	7095	0.04	0.04	3.16	2.88	6.04	0.00		6.04	24.00	Pass	5	
11a	6Mbps	2	7115	0.04	0.04	-4.68	-4.71	-1.68	0.00		-1.68	24.00	Pass	-2	

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-5 MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant9	Ant15	SUM	Ant9	Ant15	SUM		
11a	6Mbps	2	5955			-4.82	3.07		-1.76	-1.00	Pass
11a	6Mbps	2	6175			-4.63	3.07		-1.56	-1.00	Pass
11a	6Mbps	2	6415			-4.68	3.07		-1.61	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-6 MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant9	Ant15	SUM	Ant9	Ant15	SUM		
11a	6Mbps	2	6435			-2.15	0.62		-1.53	-1.00	Pass
11a	6Mbps	2	6475			-2.24	0.62		-1.62	-1.00	Pass
11a	6Mbps	2	6515			-2.20	0.62		-1.58	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-7 MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant9	Ant15	SUM	Ant9	Ant15	SUM		
11a	6Mbps	2	6535			-2.31	1.01		-1.30	-1.00	Pass
11a	6Mbps	2	6695			-2.56	1.01		-1.55	-1.00	Pass
11a	6Mbps	2	6855			-2.60	1.01		-1.59	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-8 MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant9	Ant15	SUM	Ant9	Ant15	SUM		
11a	6Mbps	2	6875			-4.56	2.76		-1.80	-1.00	Pass
11a	6Mbps	2	6895			-4.42	2.76		-1.65	-1.00	Pass
11a	6Mbps	2	6995			-3.97	2.76		-1.21	-1.00	Pass
11a	6Mbps	2	7095			-3.96	2.76		-1.20	-1.00	Pass
11a	6Mbps	2	7115			-4.42	2.76		-1.66	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-5 MIMO										
Mod.	Data Rate	N_{TX}	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15		
BE20	MCS0	2	5955	Full	19.13	19.23	23.70	23.76	320	Pass
BE20	MCS0	2	6175	Full	19.13	19.18	23.46	22.86	320	Pass
BE20	MCS0	2	6415	Full	19.23	19.18	23.46	23.52	320	Pass
BE40	MCS0	2	5965	Full	37.96	37.96	44.76	43.80	320	Pass
BE40	MCS0	2	6165	Full	38.06	38.06	44.88	43.08	320	Pass
BE40	MCS0	2	6405	Full	38.06	37.96	44.04	43.80	320	Pass
BE80	MCS0	2	5985	Full	77.80	77.80	88.32	86.88	320	Pass
BE80	MCS0	2	6145	Full	77.80	77.80	89.04	89.04	320	Pass
BE80	MCS0	2	6385	Full	77.80	77.68	89.76	88.56	320	Pass
BE160	MCS0	2	6025	Full	157.28	157.28	172.80	172.32	320	Pass
BE160	MCS0	2	6185	Full	157.52	157.52	174.72	171.84	320	Pass
BE160	MCS0	2	6345	Full	157.28	157.28	172.32	174.24	320	Pass
BE320	MCS0	2	6105	Full	315.04	315.04	335.04	341.76	320	Pass
BE320	MCS0	2	6265	Full	315.04	316.00	338.88	340.80	320	Pass
BE320	MCS0	2	6425	Full	315.52	314.57	337.92	338.88	320	Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-6 MIMO										
Mod.	Data Rate	N_{TX}	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15		
BE20	MCS0	2	6435	Full	19.23	19.18	23.34	23.46	320	Pass
BE20	MCS0	2	6475	Full	19.23	19.18	23.34	24.60	320	Pass
BE20	MCS0	2	6515	Full	19.18	19.18	23.34	23.70	320	Pass
BE40	MCS0	2	6445	Full	38.06	38.16	44.16	44.04	320	Pass
BE40	MCS0	2	6485	Full	38.06	38.06	44.52	43.68	320	Pass
BE40	MCS0	2	6525	Full	38.06	38.16	44.04	44.04	320	Pass
BE80	MCS0	2	6465	Full	77.92	77.80	87.36	89.76	320	Pass
BE80	MCS0	2	6545	Full	77.92	77.92	89.28	88.80	320	Pass
BE160	MCS0	2	6505	Full	157.28	157.28	175.68	170.88	320	Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-7 MIMO										
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz	Pass /Fail
					Ant9	Ant15	Ant9	Ant15		
BE20	MCS0	2	6535	Full	19.23	19.18	23.46	23.76	320	Pass
BE20	MCS0	2	6695	Full	19.23	19.23	23.34	23.64	320	Pass
BE20	MCS0	2	6855	Full	19.18	19.18	23.22	23.04	320	Pass
BE40	MCS0	2	6565	Full	38.06	38.06	44.64	43.92	320	Pass
BE40	MCS0	2	6685	Full	38.06	37.96	43.68	44.40	320	Pass
BE40	MCS0	2	6845	Full	38.06	38.06	44.88	43.32	320	Pass
BE80	MCS0	2	6625	Full	77.80	77.80	88.08	87.36	320	Pass
BE80	MCS0	2	6705	Full	77.92	77.80	90.72	88.08	320	Pass
BE80	MCS0	2	6785	Full	77.92	77.92	88.08	88.32	320	Pass
BE80	MCS0	2	6865	Full	77.80	77.80	87.36	88.08	320	Pass
BE160	MCS0	2	6665	Full	157.28	157.28	172.24	173.28	320	Pass
BE160	MCS0	2	6825	Full	157.04	157.04	171.84	174.24	320	Pass
BE320	MCS0	2	6585	Full	315.04	315.04	339.84	336.96	320	Pass
BE320	MCS0	2	6745	Full	315.52	315.52	337.92	337.92	320	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

UNII-8 MIMO										
Mod.	Data Rate	N_{TX}	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Bandwidth Limit (MHz	Pass /Fail
					Ant9	Ant15	Ant9	Ant15		
BE20	MCS0	2	6875	Full	19.18	19.18	22.92	22.74	320	Pass
BE20	MCS0	2	6895	Full	19.18	19.18	23.10	23.58	320	Pass
BE20	MCS0	2	6995	Full	19.18	19.33	23.04	23.52	320	Pass
BE20	MCS0	2	7095	Full	19.13	19.13	23.34	24.12	320	Pass
BE20	MCS0	2	7115	Full	19.18	19.18	23.28	24.12	320	Pass
BE40	MCS0	2	6885	Full	38.06	38.06	44.16	43.32	320	Pass
BE40	MCS0	2	6925	Full	37.96	37.96	44.04	43.44	320	Pass
BE40	MCS0	2	6965	Full	38.06	37.96	44.16	44.28	320	Pass
BE40	MCS0	2	7085	Full	38.16	37.96	43.68	44.28	320	Pass
BE80	MCS0	2	6945	Full	77.80	77.56	89.28	86.88	320	Pass
BE80	MCS0	2	7025	Full	77.44	77.44	86.88	87.36	320	Pass
BE160	MCS0	2	6985	Full	157.52	157.28	170.88	173.28	320	Pass
BE320	MCS0	2	6905	Full	315.52	315.52	338.88	341.76	320	Pass

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TEST RESULTS DATA
EIRP Power Table

UNII-5 MIMO																
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
BE20	MCS0	2	5955	Full	0.00	0.00	5.00	3.68	7.40	1.00		8.40	24.00	Pass	5.5	
BE20	MCS0	2	5955	26/0	0.00	0.00	-4.56	-5.90	-2.17	1.00		-1.17	24.00	Pass	-4	
BE20	MCS0	2	5955	52/37	0.00	0.00	-1.60	-2.80	0.85	1.00		1.85	24.00	Pass	-1	
BE20	MCS0	2	5955	106/53	0.00	0.00	1.50	0.13	3.88	1.00		4.88	24.00	Pass	2	
BE20	MCS0	2	6175	Full	0.00	0.00	4.82	4.40	7.63	1.00		8.63	24.00	Pass	6.5	
BE20	MCS0	2	6415	Full	0.00	0.00	4.62	4.22	7.43	1.00		8.43	24.00	Pass	6	
BE40	MCS0	2	5965	Full	0.00	0.00	6.20	5.11	8.70	1.00		9.70	24.00	Pass	6.5	
BE40	MCS0	2	6165	Full	0.00	0.00	5.56	5.06	8.33	1.00		9.33	24.00	Pass	7	
BE40	MCS0	2	6405	Full	0.00	0.00	5.33	5.32	8.34	1.00		9.34	24.00	Pass	6.5	
BE80	MCS0	2	5985	Full	0.00	0.00	6.11	5.26	8.72	1.00		9.72	24.00	Pass	6.5	
BE80	MCS0	2	6145	Full	0.00	0.00	5.53	5.18	8.37	1.00		9.37	24.00	Pass	7	
BE80	MCS0	2	6385	Full	0.00	0.00	5.43	5.45	8.45	1.00		9.45	24.00	Pass	6.5	
BE160	MCS0	2	6025	Full	0.00	0.00	6.04	5.28	8.69	1.00		9.69	24.00	Pass	7	
BE160	MCS0	2	6185	Full	0.00	0.00	5.61	5.09	8.37	1.00		9.37	24.00	Pass	7	
BE160	MCS0	2	6345	Full	0.00	0.00	5.47	5.82	8.66	1.00		9.66	24.00	Pass	7	
BE320	MCS0	2	6105	Full	0.09	0.09	6.33	5.42	8.91	1.00		9.91	24.00	Pass	6.5	
BE320	MCS0	2	6265	Full	0.09	0.09	5.94	5.42	8.69	1.00		9.69	24.00	Pass	6	
BE320	MCS0	2	6425	Full	0.09	0.09	7.61	7.43	10.53	1.00		11.53	24.00	Pass	7.5	

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TEST RESULTS DATA
EIRP Power Table

UNII-6 MIMO																
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
BE20	MCS0	2	6435	Full	0.00	0.00	7.35	6.75	10.07	-2.00		8.07	24.00	Pass	8.5	
BE20	MCS0	2	6435	26/0	0.00	0.00	-3.45	-4.82	-1.07	-2.00		-3.07	24.00	Pass	-3	
BE20	MCS0	2	6435	52/37	0.00	0.00	-0.50	-1.75	1.93	-2.00		-0.07	24.00	Pass	0	
BE20	MCS0	2	6435	106/53	0.00	0.00	2.45	1.25	4.90	-2.00		2.90	24.00	Pass	3	
BE20	MCS0	2	6475	Full	0.00	0.00	7.33	6.94	10.15	-2.00		8.15	24.00	Pass	8.5	
BE20	MCS0	2	6515	Full	0.00	0.00	7.30	7.29	10.31	-2.00		8.31	24.00	Pass	8.5	
BE40	MCS0	2	6445	Full	0.00	0.00	7.54	7.27	10.42	-2.00		8.42	24.00	Pass	8.5	
BE40	MCS0	2	6485	Full	0.00	0.00	7.06	7.06	10.07	-2.00		8.07	24.00	Pass	8	
BE40	MCS0	2	6525	Full	0.00	0.00	7.06	7.08	10.08	-2.00		8.08	24.00	Pass	8	
BE80	MCS0	2	6465	Full	0.00	0.00	7.34	7.11	10.24	-2.00		8.24	24.00	Pass	8	
BE80	MCS0	2	6545	Full	0.00	0.00	7.06	7.25	10.17	-2.00		8.17	24.00	Pass	8	
BE160	MCS0	2	6505	Full	0.00	0.00	7.06	7.09	10.09	-2.00		8.09	24.00	Pass	8	

Report Number : FR382311G

TEST RESULTS DATA
EIRP Power Table

UNII-7 MIMO																
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
BE20	MCS0	2	6535	Full	0.00	0.00	6.52	6.58	9.56	-2.00		7.56	24.00	Pass	8	
BE20	MCS0	2	6535	26/0	0.00	0.00	-4.77	-4.85	-1.80	-2.00		-3.80	24.00	Pass	-3	
BE20	MCS0	2	6535	52/37	0.00	0.00	-1.45	-1.77	1.40	-2.00		-0.60	24.00	Pass	0	
BE20	MCS0	2	6535	106/53	0.00	0.00	1.44	1.23	4.35	-2.00		2.35	24.00	Pass	3	
BE20	MCS0	2	6695	Full	0.00	0.00	7.10	6.20	9.68	-2.00		7.68	24.00	Pass	8.5	
BE20	MCS0	2	6855	Full	0.00	0.00	7.69	6.80	10.28	-2.00		8.28	24.00	Pass	9	
BE40	MCS0	2	6565	Full	0.00	0.00	7.20	7.38	10.30	-2.00		8.30	24.00	Pass	8.5	
BE40	MCS0	2	6685	Full	0.00	0.00	7.22	7.77	10.51	-2.00		8.51	24.00	Pass	9	
BE40	MCS0	2	6845	Full	0.00	0.00	7.73	7.23	10.50	-2.00		8.50	24.00	Pass	9	
BE80	MCS0	2	6625	Full	0.00	0.00	7.16	7.57	10.38	-2.00		8.38	24.00	Pass	8.5	
BE80	MCS0	2	6705	Full	0.00	0.00	7.97	7.36	10.69	-2.00		8.69	24.00	Pass	9	
BE80	MCS0	2	6785	Full	0.00	0.00	7.90	7.23	10.59	-2.00		8.59	24.00	Pass	8.5	
BE80	MCS0	2	6865	Full	0.00	0.00	7.45	7.12	10.30	-2.00		8.30	24.00	Pass	9	
BE160	MCS0	2	6665	Full	0.00	0.00	7.21	7.65	10.45	-2.00		8.45	24.00	Pass	9	
BE160	MCS0	2	6825	Full	0.00	0.00	7.96	7.21	10.61	-2.00		8.61	24.00	Pass	9	
BE320	MCS0	2	6585	Full	0.09	0.09	7.18	7.52	10.36	-2.00		8.36	24.00	Pass	7.5	
BE320	MCS0	2	6745	Full	0.09	0.09	7.89	7.19	10.56	-2.00		8.56	24.00	Pass	7.5	

TEST RESULTS DATA
EIRP Power Table

UNII-8 MIMO																
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Power Setting	
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM			Ant9	Ant15
BE20	MCS0	2	6875	Full	0.00	0.00	5.28	5.08	8.19	0.00		8.19	24.00	Pass	7.5	
BE20	MCS0	2	6895	Full	0.00	0.00	5.20	5.00	8.11	0.00		8.11	24.00	Pass	8	
BE20	MCS0	2	6995	Full	0.00	0.00	3.22	2.40	5.84	0.00		5.84	24.00	Pass	5	
BE20	MCS0	2	7095	Full	0.00	0.00	3.76	3.32	6.56	0.00		6.56	24.00	Pass	5.5	
BE20	MCS0	2	7095	26/8	0.00	0.00	-5.21	-4.82	-2.00	0.00		-2.00	24.00	Pass	-3	
BE20	MCS0	2	7095	52/40	0.00	0.00	-2.25	-1.92	0.93	0.00		0.93	24.00	Pass	0	
BE20	MCS0	2	7095	106/54	0.00	0.00	0.68	0.91	3.81	0.00		3.81	24.00	Pass	3	
BE20	MCS0	2	7115	Full	0.00	0.00	-10.42	-10.71	-7.55	0.00		-7.55	24.00	Pass	-8.5	
BE20	MCS0	2	7115	26/8	0.00	0.00	-14.19	-14.32	-11.24	0.00		-11.24	24.00	Pass	-16.5	
BE20	MCS0	2	7115	52/40	0.00	0.00	-13.06	-13.28	-10.16	0.00		-10.16	24.00	Pass	-13.5	
BE20	MCS0	2	7115	106/54	0.00	0.00	-12.38	-12.60	-9.48	0.00		-9.48	24.00	Pass	-12	
BE40	MCS0	2	6885	Full	0.00	0.00	5.62	5.33	8.49	0.00		8.49	24.00	Pass	7.5	
BE40	MCS0	2	6925	Full	0.00	0.00	5.41	5.14	8.29	0.00		8.29	24.00	Pass	7.5	
BE40	MCS0	2	6965	Full	0.00	0.00	5.55	5.20	8.39	0.00		8.39	24.00	Pass	7.5	
BE40	MCS0	2	7085	Full	0.00	0.00	6.05	5.46	8.78	0.00		8.78	24.00	Pass	8	
BE80	MCS0	2	6945	Full	0.00	0.00	5.69	5.44	8.58	0.00		8.58	24.00	Pass	7.5	
BE80	MCS0	2	7025	Full	0.00	0.00	5.86	5.28	8.59	0.00		8.59	24.00	Pass	7.5	
BE160	MCS0	2	6985	Full	0.00	0.00	5.56	5.24	8.41	0.00		8.41	24.00	Pass	7.5	
BE320	MCS0	2	6905	Full	0.09	0.09	5.31	5.26	8.29	0.00		8.29	24.00	Pass	6	

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-5 MIMO														
Mod.	Data Rate	N_{TX}	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM		
BE20	MCS0	2	5955	Full	0.00	0.00			-4.77	3.07		-1.70	-1.00	Pass
BE20	MCS0	2	5955	26/0	0.00	0.00			-4.67	3.07		-1.60	-1.00	Pass
BE20	MCS0	2	5955	52/37	0.00	0.00			-4.55	3.07		-1.49	-1.00	Pass
BE20	MCS0	2	5955	106/53	0.00	0.00			-4.60	3.07		-1.53	-1.00	Pass
BE20	MCS0	2	6175	Full	0.00	0.00			-4.67	3.07		-1.60	-1.00	Pass
BE20	MCS0	2	6415	Full	0.00	0.00			-4.82	3.07		-1.75	-1.00	Pass
BE40	MCS0	2	5965	Full	0.00	0.00			-6.45	3.07		-3.39	-1.00	Pass
BE40	MCS0	2	6165	Full	0.00	0.00			-7.10	3.07		-4.04	-1.00	Pass
BE40	MCS0	2	6405	Full	0.00	0.00			-6.86	3.07		-3.79	-1.00	Pass
BE80	MCS0	2	5985	Full	0.00	0.00			-9.45	3.07		-6.39	-1.00	Pass
BE80	MCS0	2	6145	Full	0.00	0.00			-9.88	3.07		-6.81	-1.00	Pass
BE80	MCS0	2	6385	Full	0.00	0.00			-9.51	3.07		-6.44	-1.00	Pass
BE160	MCS0	2	6025	Full	0.00	0.00			-11.83	3.07		-8.76	-1.00	Pass
BE160	MCS0	2	6185	Full	0.00	0.00			-12.14	3.07		-9.08	-1.00	Pass
BE160	MCS0	2	6345	Full	0.00	0.00			-11.65	3.07		-8.58	-1.00	Pass
BE320	MCS0	2	6105	Full	0.09	0.09			-15.21	3.07		-12.14	-1.00	Pass
BE320	MCS0	2	6265	Full	0.09	0.09			-15.36	3.07		-12.29	-1.00	Pass
BE320	MCS0	2	6425	Full	0.09	0.09			-13.15	3.07		-10.08	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-6 MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM		
BE20	MCS0	2	6435	Full	0.00	0.00			-2.15	0.62		-1.53	-1.00	Pass
BE20	MCS0	2	6435	26/0	0.00	0.00			-3.52	0.62		-2.90	-1.00	Pass
BE20	MCS0	2	6435	52/37	0.00	0.00			-3.37	0.62		-2.75	-1.00	Pass
BE20	MCS0	2	6435	106/53	0.00	0.00			-3.55	0.62		-2.93	-1.00	Pass
BE20	MCS0	2	6475	Full	0.00	0.00			-2.21	0.62		-1.59	-1.00	Pass
BE20	MCS0	2	6515	Full	0.00	0.00			-1.93	0.62		-1.31	-1.00	Pass
BE40	MCS0	2	6445	Full	0.00	0.00			-4.82	0.62		-4.20	-1.00	Pass
BE40	MCS0	2	6485	Full	0.00	0.00			-5.24	0.62		-4.62	-1.00	Pass
BE40	MCS0	2	6525	Full	0.00	0.00			-5.28	0.62		-4.66	-1.00	Pass
BE80	MCS0	2	6465	Full	0.00	0.00			-7.95	0.62		-7.33	-1.00	Pass
BE80	MCS0	2	6545	Full	0.00	0.00			-8.03	0.62		-7.41	-1.00	Pass
HE160	MCS0	2	6505	Full	0.00	0.00			-10.42	0.62		-9.80	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-7 MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM		
BE20	MCS0	2	6535	Full	0.00	0.00			-2.73	1.01		-1.72	-1.00	Pass
BE20	MCS0	2	6535	26/0	0.00	0.00			-4.16	1.01		-3.15	-1.00	Pass
BE20	MCS0	2	6535	52/37	0.00	0.00			-4.05	1.01		-3.04	-1.00	Pass
BE20	MCS0	2	6535	106/53	0.00	0.00			-4.14	1.01		-3.13	-1.00	Pass
BE20	MCS0	2	6695	Full	0.00	0.00			-2.58	1.01		-1.57	-1.00	Pass
BE20	MCS0	2	6855	Full	0.00	0.00			-2.40	1.01		-1.39	-1.00	Pass
BE40	MCS0	2	6565	Full	0.00	0.00			-4.99	1.01		-3.98	-1.00	Pass
BE40	MCS0	2	6685	Full	0.00	0.00			-4.63	1.01		-3.62	-1.00	Pass
BE40	MCS0	2	6845	Full	0.00	0.00			-4.70	1.01		-3.69	-1.00	Pass
BE80	MCS0	2	6625	Full	0.00	0.00			-7.76	1.01		-6.75	-1.00	Pass
BE80	MCS0	2	6705	Full	0.00	0.00			-7.42	1.01		-6.40	-1.00	Pass
BE80	MCS0	2	6785	Full	0.00	0.00			-7.47	1.01		-6.46	-1.00	Pass
BE80	MCS0	2	6865	Full	0.00	0.00			-7.97	1.01		-6.96	-1.00	Pass
BE160	MCS0	2	6665	Full	0.00	0.00			-9.78	1.01		-8.77	-1.00	Pass
BE160	MCS0	2	6825	Full	0.00	0.00			-9.73	1.01		-8.72	-1.00	Pass
BE320	MCS0	2	6585	Full	0.09	0.09			-13.38	1.01		-12.37	-1.00	Pass
BE320	MCS0	2	6745	Full	0.09	0.09			-13.32	1.01		-12.31	-1.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

UNII-8 MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant9	Ant15	Ant9	Ant15	SUM	Ant9	Ant15	SUM		
BE20	MCS0	2	6875	Full	0.00	0.00			-4.02	2.76		-1.25	-1.00	Pass
BE20	MCS0	2	6895	Full	0.00	0.00			-4.40	2.76		-1.64	-1.00	Pass
BE20	MCS0	2	6995	Full	0.00	0.00			-4.05	2.76		-1.29	-1.00	Pass
BE20	MCS0	2	7095	Full	0.00	0.00			-4.20	2.76		-1.44	-1.00	Pass
BE20	MCS0	2	7095	26/8	0.00	0.00			-4.08	2.76		-1.32	-1.00	Pass
BE20	MCS0	2	7095	52/40	0.00	0.00			-4.00	2.76		-1.24	-1.00	Pass
BE20	MCS0	2	7095	106/54	0.00	0.00			-4.08	2.76		-1.31	-1.00	Pass
BE20	MCS0	2	7115	Full	0.00	0.00			-3.97	2.76		-1.20	-1.00	Pass
BE20	MCS0	2	7115	26/8	0.00	0.00			-4.11	2.76		-1.34	-1.00	Pass
BE20	MCS0	2	7115	52/40	0.00	0.00			-4.34	2.76		-1.58	-1.00	Pass
BE20	MCS0	2	7115	106/54	0.00	0.00			-4.48	2.76		-1.71	-1.00	Pass
BE40	MCS0	2	6885	Full	0.00	0.00			-6.80	2.76		-4.04	-1.00	Pass
BE40	MCS0	2	6925	Full	0.00	0.00			-6.99	2.76		-4.23	-1.00	Pass
BE40	MCS0	2	6965	Full	0.00	0.00			-7.14	2.76		-4.38	-1.00	Pass
BE40	MCS0	2	7085	Full	0.00	0.00			-4.56	2.76		-1.79	-1.00	Pass
BE80	MCS0	2	6945	Full	0.00	0.00			-9.70	2.76		-6.94	-1.00	Pass
BE80	MCS0	2	7025	Full	0.00	0.00			-7.34	2.76		-4.58	-1.00	Pass
BE160	MCS0	2	6985	Full	0.00	0.00			-10.21	2.76		-7.45	-1.00	Pass
BE320	MCS0	2	6905	Full	0.09	0.09			-14.68	2.76		-11.92	-1.00	Pass

<11be Small RU & Large RU & Puncturing mode>:

Ambient Condition: 24~26 ℃, 45~55 %RH	
Test Date:2023/9/15	**Test Engineer:** Sam Zheng

Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	MRU Size	MRU Index	Set Power	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE20 MIMO	Ant9	5955	52+26_OFDMA	1	-0.5	-1.12	100	0	-1.12	≤25	-1	-2.12	≤24.00	PASS
			106+26_OFDMA	1	3	1.9	100	0	1.9	≤25	-1	0.9	≤24.00	PASS
	Ant15	5955	52+26_OFDMA	1	-0.5	-2.95	100	0	-2.95	≤23	1	-1.95	≤24.00	PASS
			106+26_OFDMA	1	3	0.41	100	0	0.41	≤23	1	1.41	≤24.00	PASS
	total	5955	52+26_OFDMA	1	---	---	---	---	1.07	≤23	1	2.07	≤24.00	PASS
			106+26_OFDMA	1	---	---	---	---	4.23	≤23	1	5.23	≤24.00	PASS
	Ant9	6435	52+26_OFDMA	1	0	-0.54	100	0	-0.54	≤26	-2	-2.54	≤24.00	PASS
			106+26_OFDMA	1	2.5	2.09	100	0	2.09	≤26	-2	0.09	≤24.00	PASS
	Ant15	6435	52+26_OFDMA	1	0	-1.48	100	0	-1.48	≤26.8	-2.8	-4.28	≤24.00	PASS
			106+26_OFDMA	1	2.5	1.1	100	0	1.1	≤26.8	-2.8	-1.7	≤24.00	PASS
	total	6435	52+26_OFDMA	1	---	---	---	---	2.03	≤26	-2	0.03	≤24.00	PASS
			106+26_OFDMA	1	---	---	---	---	4.63	≤26	-2	2.63	≤24.00	PASS
	Ant9	6535	52+26_OFDMA	1	0	-1.46	100	0	-1.46	≤26	-2	-3.46	≤24.00	PASS
			106+26_OFDMA	1	3	1.52	100	0	1.52	≤26	-2	-0.48	≤24.00	PASS
	Ant15	6535	52+26_OFDMA	1	0	-1.91	100	0	-1.91	≤26	-2	-3.91	≤24.00	PASS
			106+26_OFDMA	1	3	1.09	100	0	1.09	≤26	-2	-0.91	≤24.00	PASS
	total	6535	52+26_OFDMA	1	---	---	---	---	1.33	≤26	-2	-0.67	≤24.00	PASS
			106+26_OFDMA	1	---	---	---	---	4.32	≤26	-2	2.32	≤24.00	PASS
	Ant9	7095	52+26_OFDMA	3	0.5	-1.89	100	0	-1.89	≤24.5	-0.5	-2.39	≤24.00	PASS
			106+26_OFDMA	2	3.5	1.31	100	0	1.31	≤24.5	-0.5	0.81	≤24.00	PASS
	Ant15	7095	52+26_OFDMA	3	0.5	-1.68	100	0	-1.68	≤24	0	-1.68	≤24.00	PASS
			106+26_OFDMA	2	3.5	1.35	100	0	1.35	≤24	0	1.35	≤24.00	PASS
	total	7095	52+26_OFDMA	3	---	---	---	---	1.23	≤24	0	1.23	≤24.00	PASS
			106+26_OFDMA	2	---	---	---	---	4.34	≤24	0	4.34	≤24.00	PASS
	Ant9	7115	52+26_OFDMA	3	0.5	-1.81	100	0	-1.81	≤24.5	-0.5	-2.31	≤24.00	PASS
			106+26_OFDMA	2	3.5	1.36	100	0	1.36	≤24.5	-0.5	0.86	≤24.00	PASS
	Ant15	7115	52+26_OFDMA	3	0.5	-1.51	100	0	-1.51	≤24	0	-1.51	≤24.00	PASS
			106+26_OFDMA	2	3.5	1.43	100	0	1.43	≤24	0	1.43	≤24.00	PASS
	total	7115	52+26_OFDMA	3	---	---	---	---	1.35	≤24	0	1.35	≤24.00	PASS
			106+26_OFDMA	2	---	---	---	---	4.41	≤24	0	4.41	≤24.00	PASS

Test Mode	Antenna	Channel	MRU Size	MRU Index	Set Power	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE80 MIMO	Ant9	5985	Large RU 484+242	4	4.5	4.97	100	0	4.97	≤25	-1	3.97	≤24.00	PASS
			Puncturing 20M	4	4.5	4.35	100	0	4.35	≤25	-1	3.35	≤24.00	PASS
	Ant15	5985	Large RU 484+242	4	4.5	3.94	100	0	3.94	≤23	1	4.94	≤24.00	PASS
			Puncturing 20M	4	4.5	3.2	100	0	3.2	≤23	1	4.2	≤24.00	PASS
	total	5985	Large RU 484+242	4	---	---	---	---	7.50	≤23	1	8.50	≤24.00	PASS
			Puncturing 20M	4	---	---	---	---	6.82	≤23	1	7.82	≤24.00	PASS
	Ant9	7025	Large RU 484+242	1	5	5.3	100	0	5.3	≤24.5	-0.5	4.8	≤24.00	PASS
			Puncturing 20M	1	6	4.92	100	0	4.92	≤24.5	-0.5	4.42	≤24.00	PASS
	Ant15	7025	Large RU 484+242	1	5	4.32	100	0	4.32	≤24	0	4.32	≤24.00	PASS
			Puncturing 20M	1	6	4.05	100	0	4.05	≤24	0	4.05	≤24.00	PASS
	total	7025	Large RU 484+242	1	---	---	---	---	7.85	≤24	0	7.85	≤24.00	PASS
			Puncturing 20M	1	---	---	---	---	7.52	≤24	0	7.52	≤24.00	PASS
11BE160 MIMO	Ant9	6025	Large RU 996+484	4	5.5	6.33	100	0	6.33	≤25	-1	5.33	≤24.00	PASS
			Puncturing 40M	4	6.5	6.43	100	0	6.43	≤25	-1	5.43	≤24.00	PASS
			Puncturing 20M	8	6.5	6.36	100	0	6.36	≤25	-1	5.36	≤24.00	PASS
	Ant15	6025	Large RU 996+484	4	5.5	5.12	100	0	5.12	≤23	1	6.12	≤24.00	PASS
			Puncturing 40M	4	6.5	5.05	100	0	5.05	≤23	1	6.05	≤24.00	PASS
			Puncturing 20M	8	6.5	5.06	100	0	5.06	≤23	1	6.06	≤24.00	PASS
	total	6025	Large RU 996+484	4	---	---	---	---	8.78	≤23	1	9.78	≤24.00	PASS
			Puncturing 40M	4	---	---	---	---	8.80	≤23	1	9.80	≤24.00	PASS
			Puncturing 20M	8	---	---	---	---	8.77	≤23	1	9.77	≤24.00	PASS
	Ant9	6985	Large RU 996+484	1	6	6.18	100	0	6.18	≤24.5	-0.5	5.68	≤24.00	PASS
			Puncturing 40M	1	6.5	5.68	100	0	5.68	≤24.5	-0.5	5.18	≤24.00	PASS
			Puncturing 20M	1	6.5	5.71	100	0	5.71	≤24.5	-0.5	5.21	≤24.00	PASS
	Ant15	6985	Large RU 996+484	1	6	5.37	100	0	5.37	≤24	0	5.37	≤24.00	PASS
			Puncturing 40M	1	6.5	5.33	100	0	5.33	≤24	0	5.33	≤24.00	PASS
			Puncturing 20M	1	6.5	5.13	100	0	5.13	≤24	0	5.13	≤24.00	PASS
	total	6985	Large RU 996+484	1	---	---	---	---	8.80	≤24	0	8.80	≤24.00	PASS
			Puncturing 40M	1	---	---	---	---	8.52	≤24	0	8.52	≤24.00	PASS
			Puncturing 20M	1	---	---	---	---	8.44	≤24	0	8.44	≤24.00	PASS

Test Mode	Antenna	Channel	MRU Size	MRU Index	Set Power	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE320 MIMO	Ant9	6105	Large RU 996*2+484	6	5	6.55	98.04	0.09	6.64	≤25	-1	5.64	≤24.00	PASS
			Large RU 996*3	4	5.5	6.11	98.04	0.09	6.20	≤25	-1	5.20	≤24.00	PASS
			Large RU 996*3+484	8	6.5	6.53	98.04	0.09	6.62	≤25	-1	5.62	≤24.00	PASS
			Puncturing 80M+40M	6	6.5	6.39	98.04	0.09	6.48	≤25	-1	5.48	≤24.00	PASS
			Puncturing 80M	4	6.5	6.22	98.04	0.09	6.31	≤25	-1	5.31	≤24.00	PASS
			Puncturing 40M	8	6.5	6.27	98.04	0.09	6.36	≤25	-1	5.36	≤24.00	PASS
	Ant15	6105	Large RU 996*2+484	6	5	5.39	98.04	0.09	5.48	≤23	1	6.48	≤24.00	PASS
			Large RU 996*3	4	5.5	5.07	98.04	0.09	5.16	≤23	1	6.16	≤24.00	PASS
			Large RU 996*3+484	8	6.5	5.24	98.04	0.09	5.33	≤23	1	6.33	≤24.00	PASS
			Puncturing 80M+40M	6	6.5	5.04	98.04	0.09	5.13	≤23	1	6.13	≤24.00	PASS
			Puncturing 80M	4	6.5	5.02	98.04	0.09	5.11	≤23	1	6.11	≤24.00	PASS
			Puncturing 40M	8	6.5	5.05	98.04	0.09	5.14	≤23	1	6.14	≤24.00	PASS
	total	6105	Large RU 996*2+484	6	---	---	---	---	9.11	≤23	1	10.11	≤24.00	PASS
			Large RU 996*3	4	---	---	---	---	8.72	≤23	1	9.72	≤24.00	PASS
			Large RU 996*3+484	8	---	---	---	---	9.03	≤23	1	10.03	≤24.00	PASS
			Puncturing 80M+40M	6	---	---	---	---	8.87	≤23	1	9.87	≤24.00	PASS
			Puncturing 80M	4	---	---	---	---	8.76	≤23	1	9.76	≤24.00	PASS
			Puncturing 40M	8	---	---	---	---	8.80	≤23	1	9.80	≤24.00	PASS
	Ant9	6905	Large RU 996*2+484	7	5	5.86	98.04	0.09	5.95	≤23.5	-0.5	5.45	≤24.00	PASS
			Large RU 996*3	1	5.5	5.49	98.04	0.09	5.58	≤23.5	-0.5	5.08	≤24.00	PASS
			Large RU 996*3+484	1	6.5	6.06	98.04	0.09	6.15	≤23.5	-0.5	5.65	≤24.00	PASS
			Puncturing 80M+40M	7	6.5	5.67	98.04	0.09	5.76	≤23.5	-0.5	5.26	≤24.00	PASS
			Puncturing 80M	1	6.5	5.71	98.04	0.09	5.8	≤23.5	-0.5	5.3	≤24.00	PASS
			Puncturing 40M	1	6.5	5.93	98.04	0.09	6.02	≤23.5	-0.5	5.52	≤24.00	PASS
	Ant15	6905	Large RU 996*2+484	7	5	5.52	98.04	0.09	5.61	≤24	0	5.61	≤24.00	PASS
			Large RU 996*3	1	5.5	5.15	98.04	0.09	5.24	≤24	0	5.24	≤24.00	PASS
			Large RU 996*3+484	1	6.5	5.49	98.04	0.09	5.58	≤24	0	5.58	≤24.00	PASS
			Puncturing 80M+40M	7	6.5	5.19	98.04	0.09	5.28	≤24	0	5.28	≤24.00	PASS
			Puncturing 80M	1	6.5	5.05	98.04	0.09	5.14	≤24	0	5.14	≤24.00	PASS
			Puncturing 40M	1	6.5	5.24	98.04	0.09	5.33	≤24	0	5.33	≤24.00	PASS
	total	6905	Large RU 996*2+484	7	---	---	---	---	8.79	≤24	0	8.79	≤24.00	PASS
			Large RU 996*3	1	---	---	---	---	8.42	≤24	0	8.42	≤24.00	PASS
			Large RU 996*3+484	1	---	---	---	---	8.88	≤24	0	8.88	≤24.00	PASS
			Puncturing 80M+40M	7	---	---	---	---	8.54	≤24	0	8.54	≤24.00	PASS
			Puncturing 80M	1	---	---	---	---	8.49	≤24	0	8.49	≤24.00	PASS
			Puncturing 40M	1	---	---	---	---	8.70	≤24	0	8.70	≤24.00	PASS

Note：The Duty Cycle Factor is compensated in the graph.

Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	MRU Size	MRU Index	Result [dBm/MHz]	Limit [dBm/MHz]	Gain [dBi]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11BE20 MIMO	Ant9	5955	52+26_OFDMA	1	-6.84	≤0	-1	-7.84	≤-1.00	PASS
			106+26_OFDMA	1	-6.018	≤0	-1	-7.018	≤-1.00	PASS
	Ant15	5955	52+26_OFDMA	1	-8.829	≤-2	1	-7.829	≤-1.00	PASS
			106+26_OFDMA	1	-8.263	≤-2	1	-7.263	≤-1.00	PASS
	total	5955	52+26_OFDMA	1	-4.74	≤-2	1	-3.74	≤-1.00	PASS
			106+26_OFDMA	1	-4.023	≤-2	1	-3.023	≤-1.00	PASS
	Ant9	6435	52+26_OFDMA	1	-7.881	≤1	-2	-9.881	≤-1.00	PASS
			106+26_OFDMA	1	-7.501	≤1	-2	-9.501	≤-1.00	PASS
	Ant15	6435	52+26_OFDMA	1	-8.797	≤1.8	-2.8	-11.597	≤-1.00	PASS
			106+26_OFDMA	1	-8.403	≤1.8	-2.8	-11.203	≤-1.00	PASS
	total	6435	52+26_OFDMA	1	-5.324	≤1	-2	-7.324	≤-1.00	PASS
			106+26_OFDMA	1	-4.942	≤1	-2	-6.942	≤-1.00	PASS
	Ant9	6535	52+26_OFDMA	1	-8.849	≤1	-2	-10.849	≤-1.00	PASS
			106+26_OFDMA	1	-8.029	≤1	-2	-10.029	≤-1.00	PASS
	Ant15	6535	52+26_OFDMA	1	-9.321	≤1	-2	-11.321	≤-1.00	PASS
			106+26_OFDMA	1	-8.36	≤1	-2	-10.36	≤-1.00	PASS
	total	6535	52+26_OFDMA	1	-6.09	≤1	-2	-8.09	≤-1.00	PASS
			106+26_OFDMA	1	-5.226	≤1	-2	-7.226	≤-1.00	PASS
	Ant9	7095	52+26_OFDMA	3	-7.499	≤-0.5	-0.5	-7.999	≤-1.00	PASS
			106+26_OFDMA	2	-6.573	≤-0.5	-0.5	-7.073	≤-1.00	PASS
	Ant15	7095	52+26_OFDMA	3	-7.176	≤-1	0	-7.176	≤-1.00	PASS
			106+26_OFDMA	2	-6.55	≤-1	0	-6.55	≤-1.00	PASS
	total	7095	52+26_OFDMA	3	-4.341	≤-1	0	-4.341	≤-1.00	PASS
			106+26_OFDMA	2	-3.603	≤-1	0	-3.603	≤-1.00	PASS
	Ant9	7115	52+26_OFDMA	3	-8.382	≤-0.5	-0.5	-8.882	≤-1.00	PASS
			106+26_OFDMA	2	-7.382	≤-0.5	-0.5	-7.882	≤-1.00	PASS
	Ant15	7115	52+26_OFDMA	3	-8.097	≤-1	0	-8.097	≤-1.00	PASS
			106+26_OFDMA	2	-7.504	≤-1	0	-7.504	≤-1.00	PASS
	total	7115	52+26_OFDMA	3	-5.259	≤-1	0	-5.259	≤-1.00	PASS
			106+26_OFDMA	2	-4.462	≤-1	0	-4.462	≤-1.00	PASS
11BE80 MIMO	Ant9	5985	Large RU 484+242	4	-10.178	≤0	-1	-11.178	≤-1.00	PASS
			Puncturing 20M	4	-10.28	≤0	-1	-11.28	≤-1.00	PASS
	Ant15	5985	Large RU 484+242	4	-11.645	≤-2	1	-10.645	≤-1.00	PASS
			Puncturing 20M	4	-11.989	≤-2	1	-10.989	≤-1.00	PASS
	total	5985	Large RU 484+242	4	-7.915	≤-2	1	-6.915	≤-1.00	PASS
			Puncturing 20M	4	-8.097	≤-2	1	-7.097	≤-1.00	PASS
	Ant9	7025	Large RU 484+242	1	-8.451	≤-0.5	-0.5	-8.951	≤-1.00	PASS
			Puncturing 20M	1	-9.471	≤-0.5	-0.5	-9.971	≤-1.00	PASS
	Ant15	7025	Large RU 484+242	1	-9.679	≤-1	0	-9.679	≤-1.00	PASS
			Puncturing 20M	1	-9.811	≤-1	0	-9.811	≤-1.00	PASS
	total	7025	Large RU 484+242	1	-6.048	≤-1	0	-6.048	≤-1.00	PASS
			Puncturing 20M	1	-6.663	≤-1	0	-6.663	≤-1.00	PASS

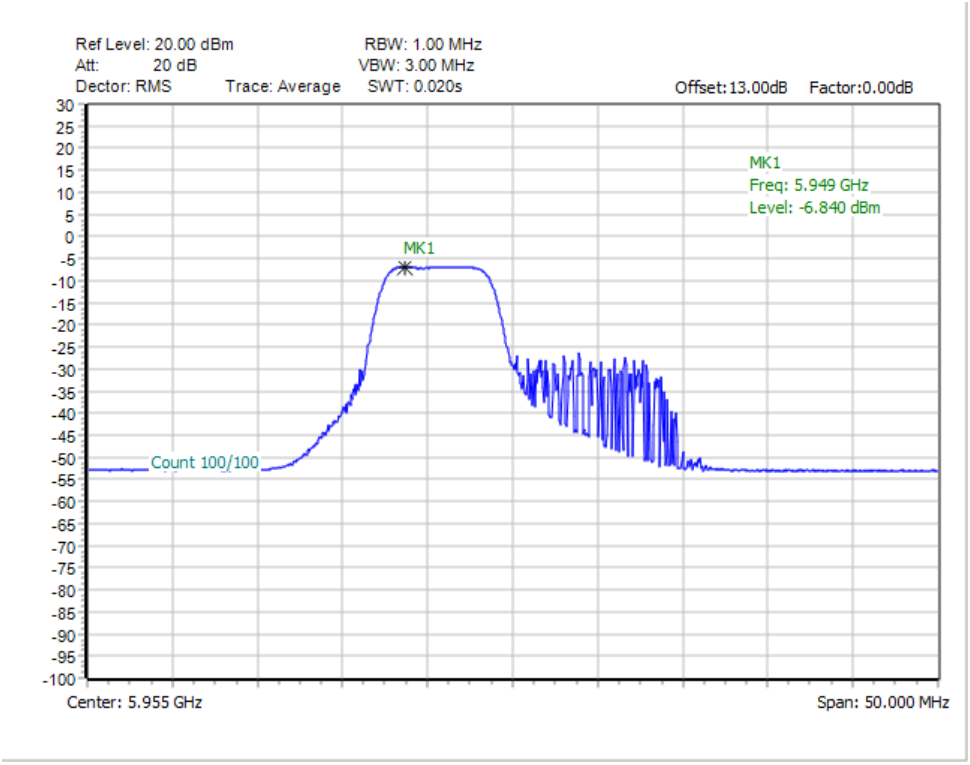
Test Mode	Antenna	Channel	MRU Size	MRU Index	Result [dBm/MHz]	Limit [dBm/MHz]	Gain [dBi]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11BE160 MIMO	Ant9	6025	Large RU 996+484	4	-13.219	≤0	-1	-14.219	≤-1.00	PASS
			Puncturing 40M	4	-13.015	≤0	-1	-14.015	≤-1.00	PASS
			Puncturing 20M	8	-13.688	≤0	-1	-14.688	≤-1.00	PASS
	Ant15	6025	Large RU 996+484	4	-14.249	≤-2	1	-13.249	≤-1.00	PASS
			Puncturing 40M	4	-14.499	≤-2	1	-13.499	≤-1.00	PASS
			Puncturing 20M	8	-15.033	≤-2	1	-14.033	≤-1.00	PASS
	total	6025	Large RU 996+484	4	-10.72	≤-2	1	-9.72	≤-1.00	PASS
			Puncturing 40M	4	-10.697	≤-2	1	-9.697	≤-1.00	PASS
			Puncturing 20M	8	-11.348	≤-2	1	-10.348	≤-1.00	PASS
	Ant9	6985	Large RU 996+484	1	-11.465	≤-0.5	-0.5	-11.965	≤-1.00	PASS
			Puncturing 40M	1	-12.116	≤-0.5	-0.5	-12.616	≤-1.00	PASS
			Puncturing 20M	1	-12.586	≤-0.5	-0.5	-13.086	≤-1.00	PASS
	Ant15	6985	Large RU 996+484	1	-12.324	≤-1	0	-12.324	≤-1.00	PASS
			Puncturing 40M	1	-12.399	≤-1	0	-12.399	≤-1.00	PASS
			Puncturing 20M	1	-12.993	≤-1	0	-12.993	≤-1.00	PASS
	total	6985	Large RU 996+484	1	-8.927	≤-1	0	-8.927	≤-1.00	PASS
			Puncturing 40M	1	-9.251	≤-1	0	-9.251	≤-1.00	PASS
			Puncturing 20M	1	-9.797	≤-1	0	-9.797	≤-1.00	PASS

Test Mode	Antenna	Channel	MRU Size	MRU Index	Result [dBm/MHz]	Limit [dBm/MHz]	Gain [dBi]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11BE320 MIMO	Ant9	6105	Large RU 996*2+484	6	-15.595	≤0	-1	-16.595	≤-1.00	PASS
			Large RU 996*3	4	-16.902	≤0	-1	-17.902	≤-1.00	PASS
			Large RU 996*3+484	8	-17.009	≤0	-1	-18.009	≤-1.00	PASS
			Puncturing 80M+40M	6	-15.862	≤0	-1	-16.862	≤-1.00	PASS
			Puncturing 80M	4	-16.871	≤0	-1	-17.871	≤-1.00	PASS
			Puncturing 40M	8	-17.321	≤0	-1	-18.321	≤-1.00	PASS
	Ant15	6105	Large RU 996*2+484	6	-16.922	≤-2	1	-15.922	≤-1.00	PASS
			Large RU 996*3	4	-18.004	≤-2	1	-17.004	≤-1.00	PASS
			Large RU 996*3+484	8	-18.159	≤-2	1	-17.159	≤-1.00	PASS
			Puncturing 80M+40M	6	-17.281	≤-2	1	-16.281	≤-1.00	PASS
			Puncturing 80M	4	-18.177	≤-2	1	-17.177	≤-1.00	PASS
			Puncturing 40M	8	-18.781	≤-2	1	-17.781	≤-1.00	PASS
	total	6105	Large RU 996*2+484	6	-13.208	≤-2	1	-12.208	≤-1.00	PASS
			Large RU 996*3	4	-14.457	≤-2	1	-13.457	≤-1.00	PASS
			Large RU 996*3+484	8	-14.59	≤-2	1	-13.59	≤-1.00	PASS
			Puncturing 80M+40M	6	-13.531	≤-2	1	-12.531	≤-1.00	PASS
			Puncturing 80M	4	-14.485	≤-2	1	-13.485	≤-1.00	PASS
			Puncturing 40M	8	-15.021	≤-2	1	-14.021	≤-1.00	PASS
	Ant9	6905	Large RU 996*2+484	7	-17.738	≤-0.5	-0.5	-18.238	≤-1.00	PASS
			Large RU 996*3	1	-15.942	≤-0.5	-0.5	-16.442	≤-1.00	PASS
			Large RU 996*3+484	1	-16.122	≤-0.5	-0.5	-16.622	≤-1.00	PASS
			Puncturing 80M+40M	7	-14.933	≤-0.5	-0.5	-15.433	≤-1.00	PASS
			Puncturing 80M	1	-15.923	≤-0.5	-0.5	-16.423	≤-1.00	PASS
			Puncturing 40M	1	-16.406	≤-0.5	-0.5	-16.906	≤-1.00	PASS
	Ant15	6905	Large RU 996*2+484	7	-15.169	≤-1	0	-15.169	≤-1.00	PASS
			Large RU 996*3	1	-16.438	≤-1	0	-16.438	≤-1.00	PASS
			Large RU 996*3+484	1	-16.854	≤-1	0	-16.854	≤-1.00	PASS
			Puncturing 80M+40M	7	-15.108	≤-1	0	-15.108	≤-1.00	PASS
			Puncturing 80M	1	-16.154	≤-1	0	-16.154	≤-1.00	PASS
			Puncturing 40M	1	-16.757	≤-1	0	-16.757	≤-1.00	PASS
	total	6905	Large RU 996*2+484	7	-12.007	≤-1	0	-12.007	≤-1.00	PASS
			Large RU 996*3	1	-13.192	≤-1	0	-13.192	≤-1.00	PASS
			Large RU 996*3+484	1	-13.325	≤-1	0	-13.325	≤-1.00	PASS
			Puncturing 80M+40M	7	-12.038	≤-1	0	-12.038	≤-1.00	PASS
			Puncturing 80M	1	-13.056	≤-1	0	-13.056	≤-1.00	PASS
			Puncturing 40M	1	-13.621	≤-1	0	-13.621	≤-1.00	PASS

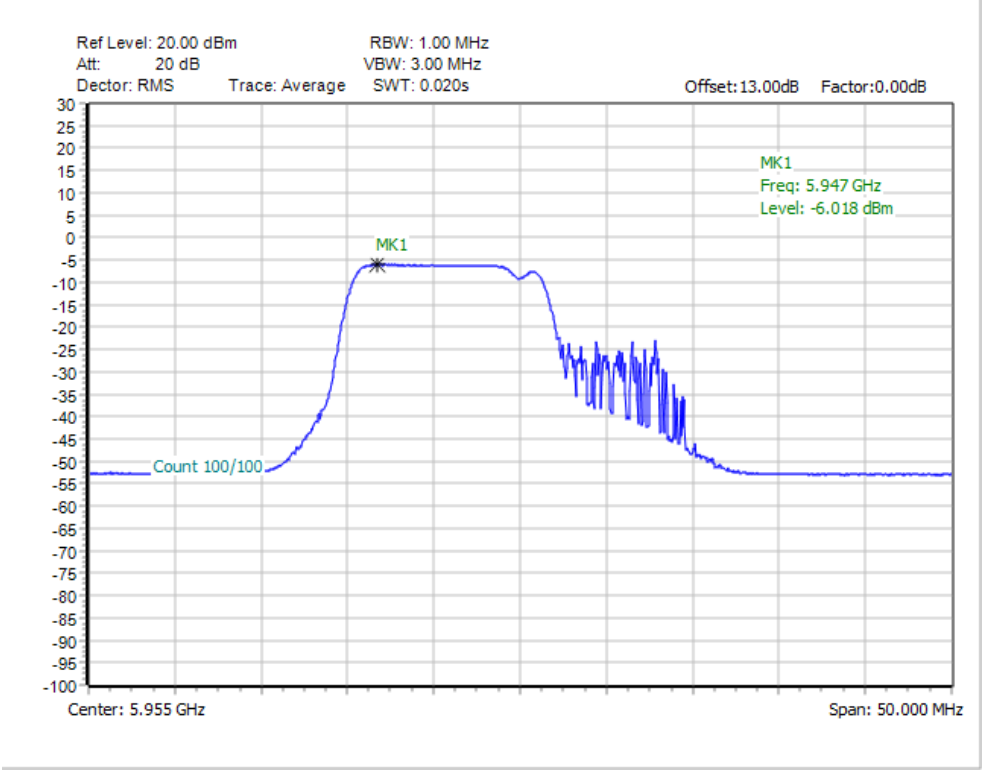
Note：The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

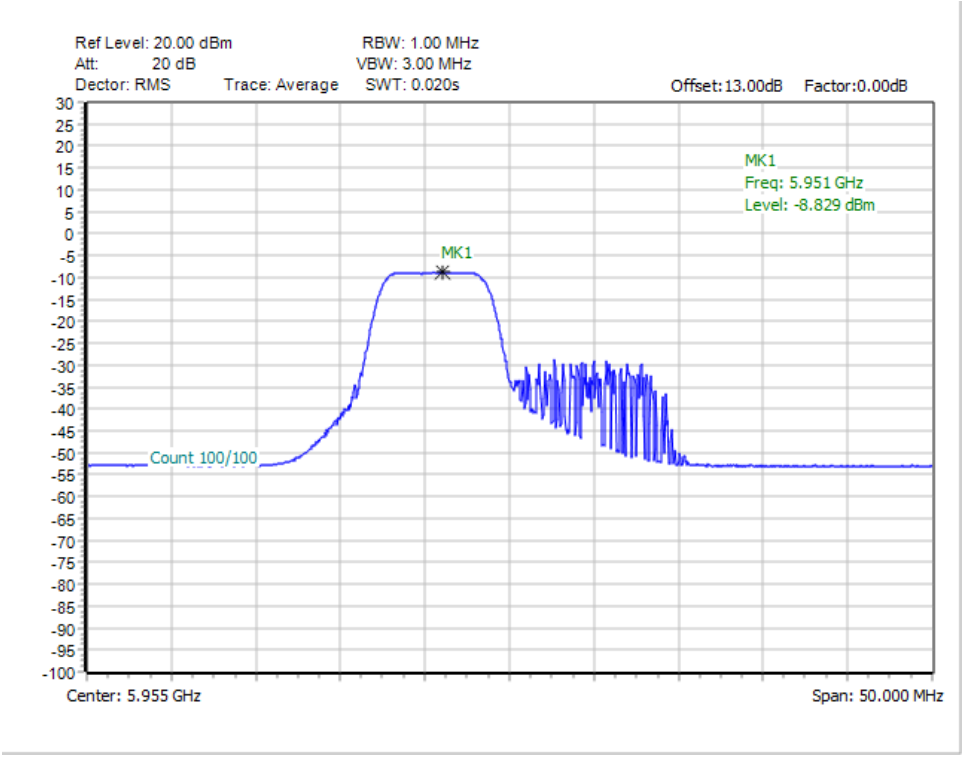
11BE20MIMO_Ant9_5955_52+26_OFDMA_1



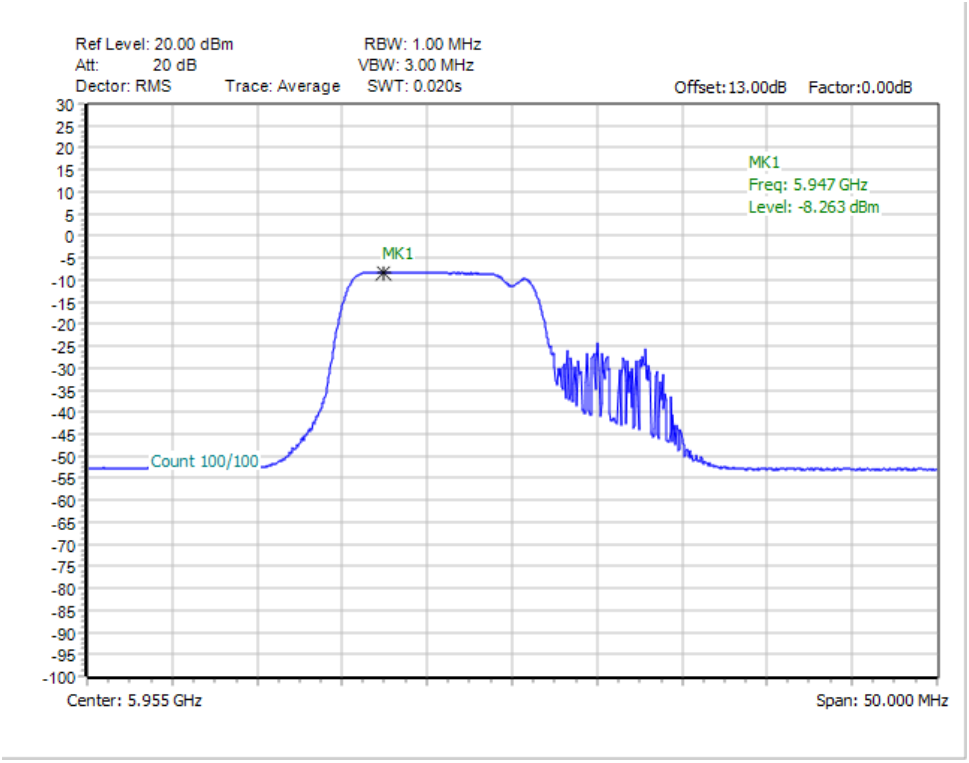
11BE20MIMO_Ant9_5955_106+26_OFDMA_1



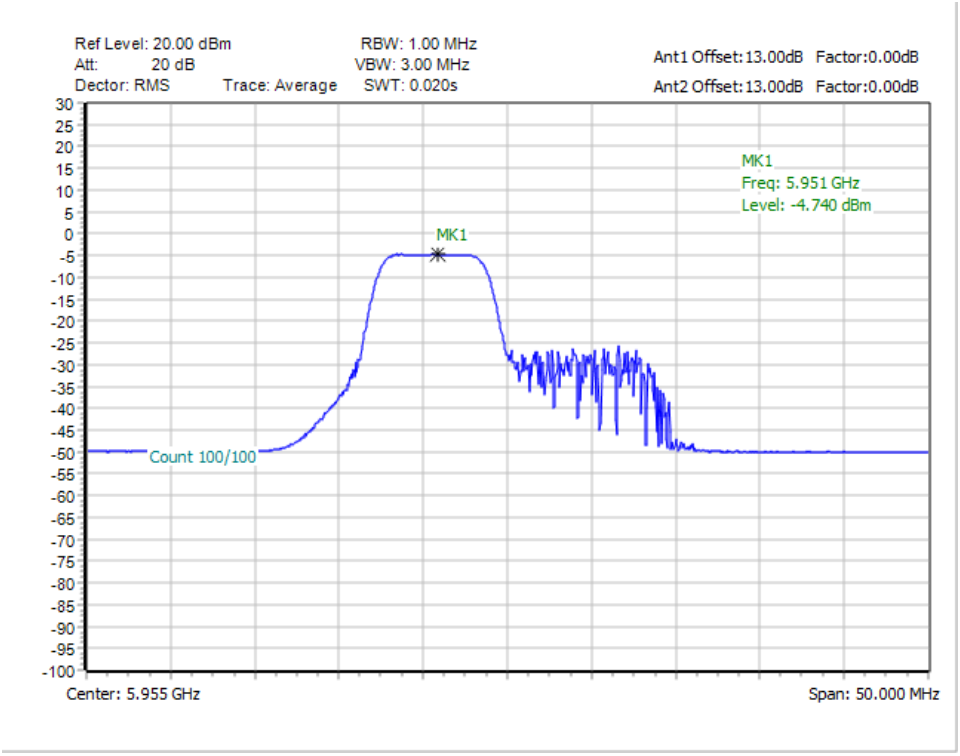
11BE20MIMO_Ant15_5955_52+26_OFDMA_1



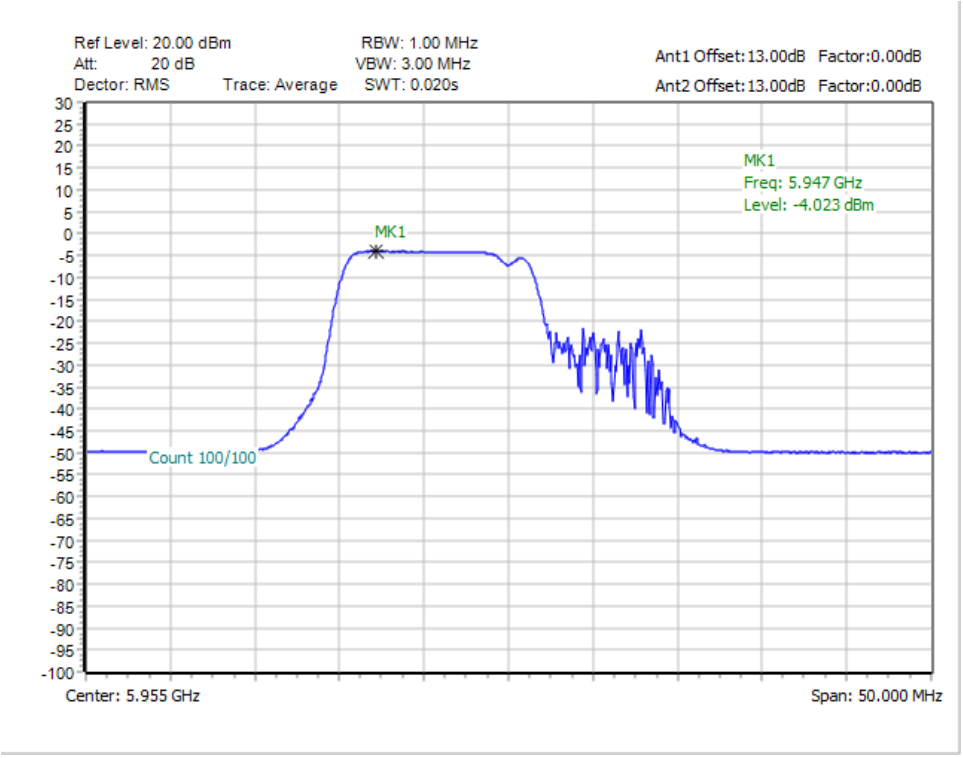
11BE20MIMO_Ant15_5955_106+26_OFDMA_1



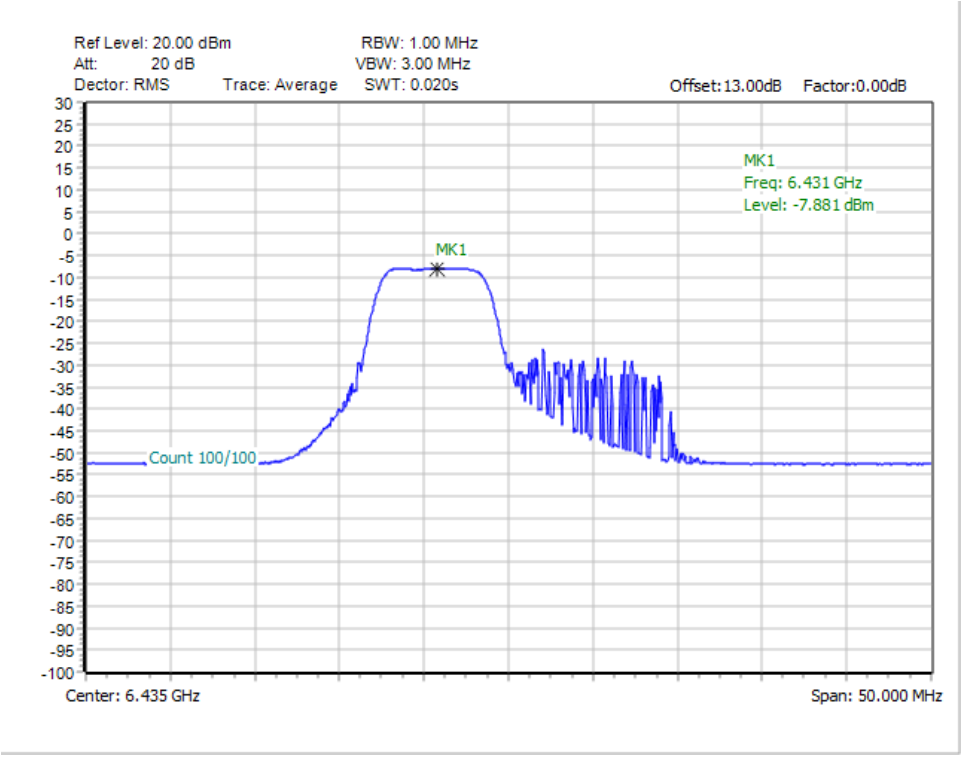
11BE20MIMO_ total _5955_52+26_OFDMA_1



11BE20MIMO_ total _5955_106+26_OFDMA_1



11BE20MIMO_Ant9_6435_52+26_OFDMA_1



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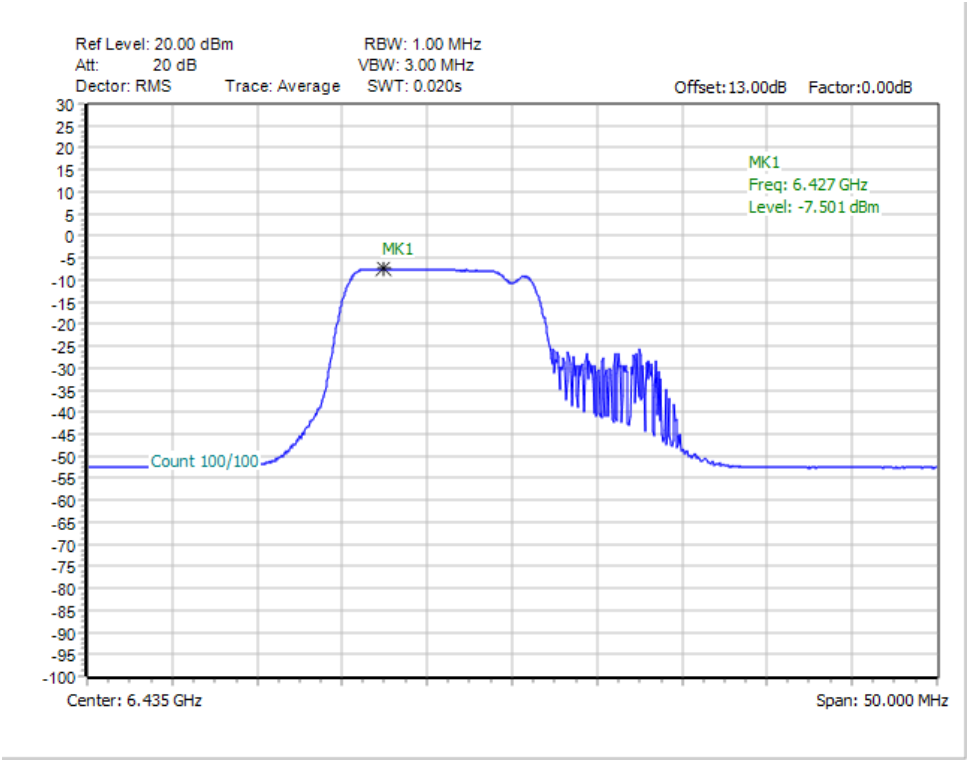

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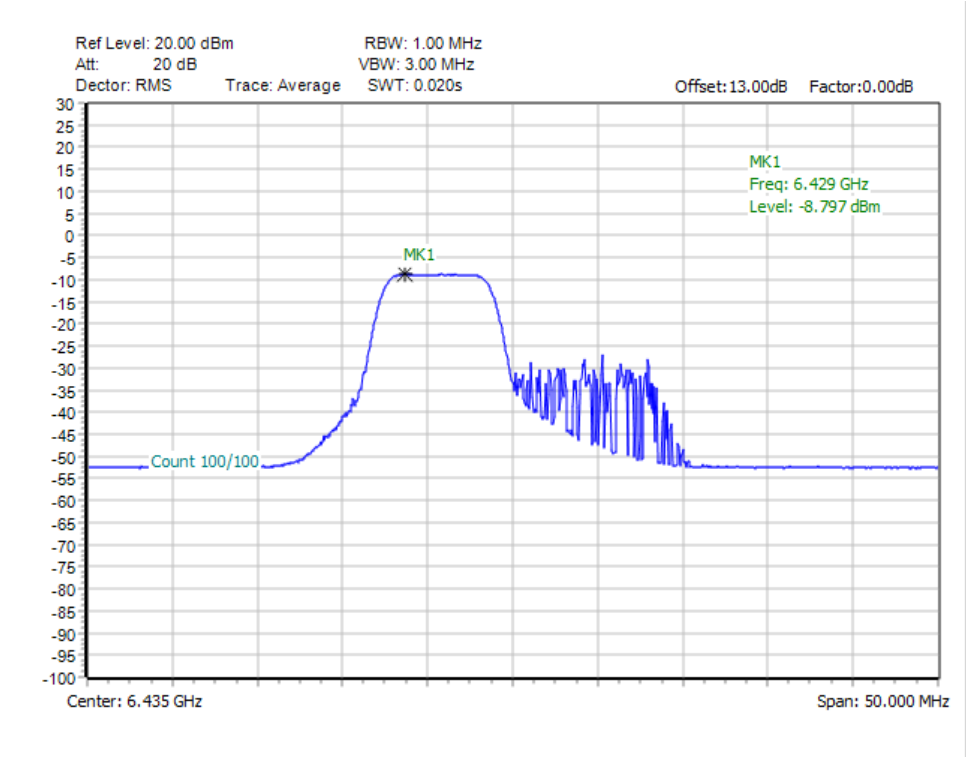

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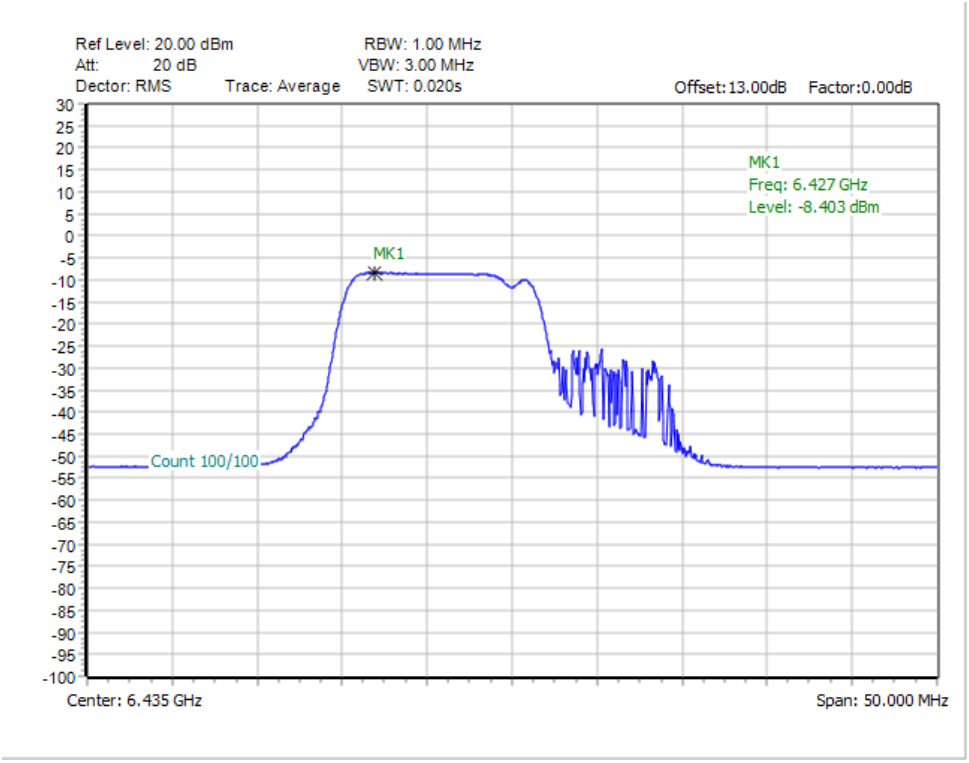

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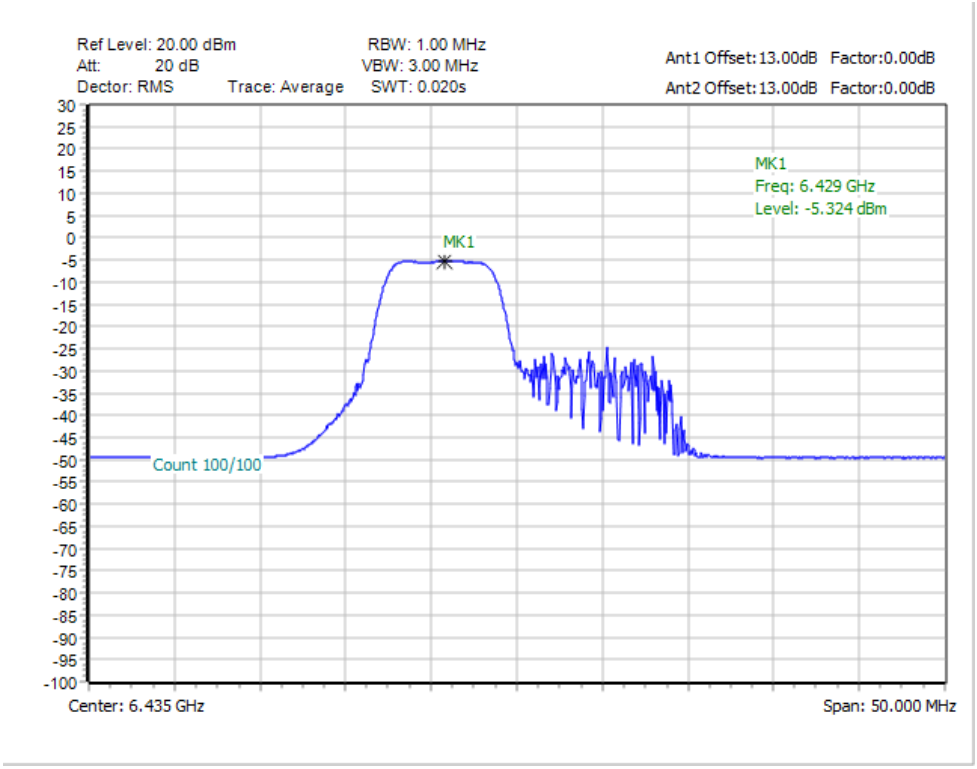

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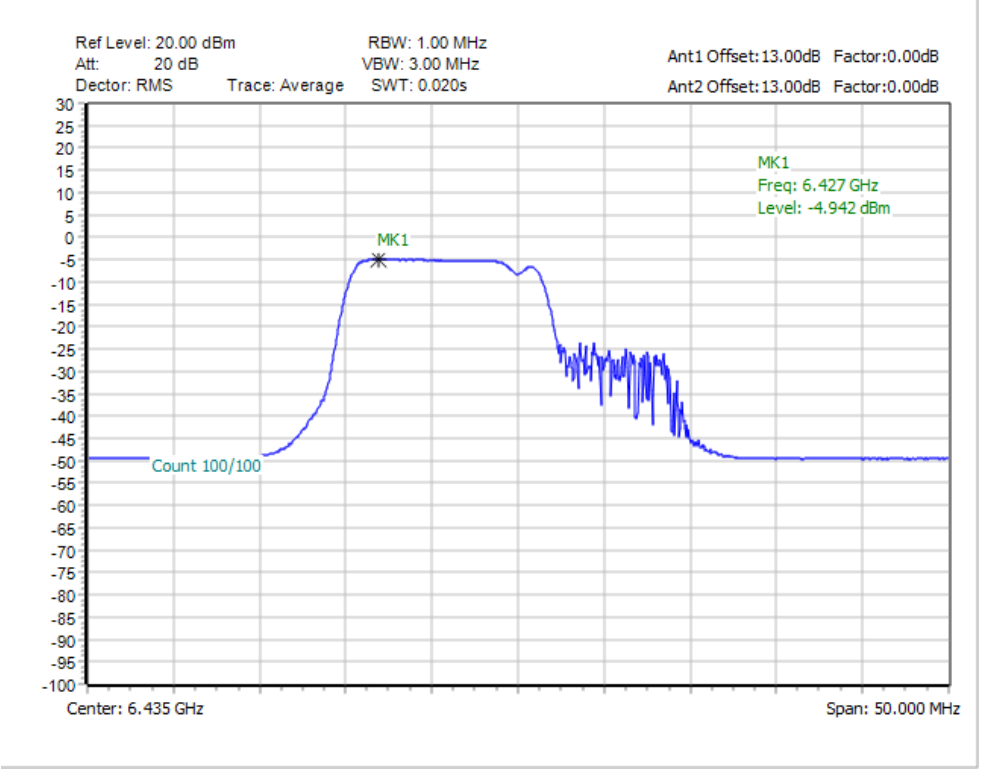

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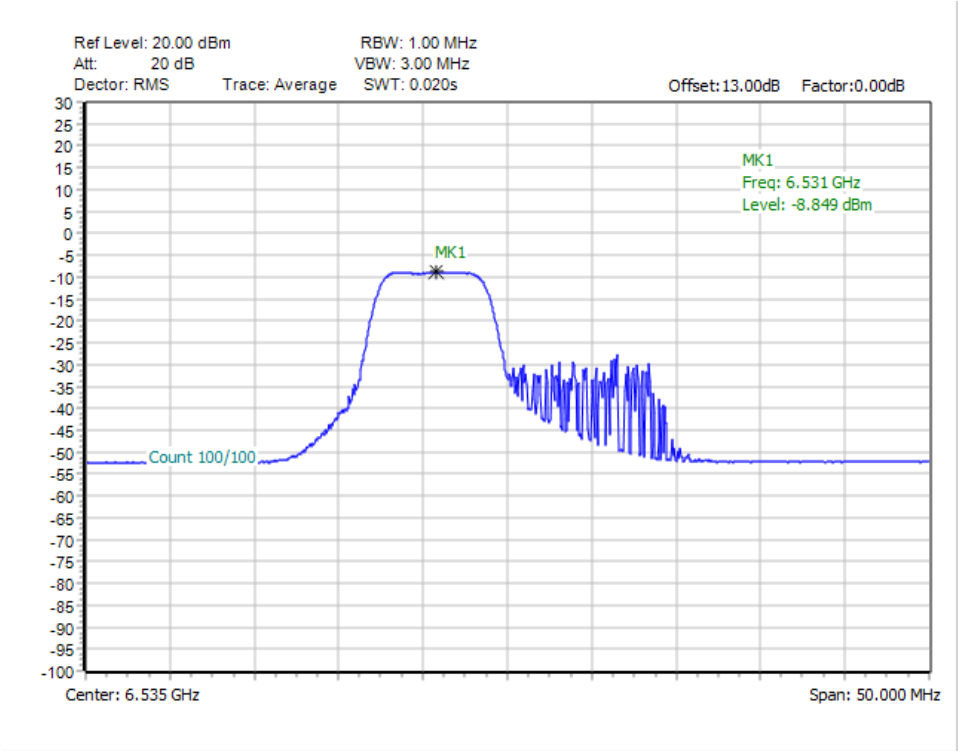

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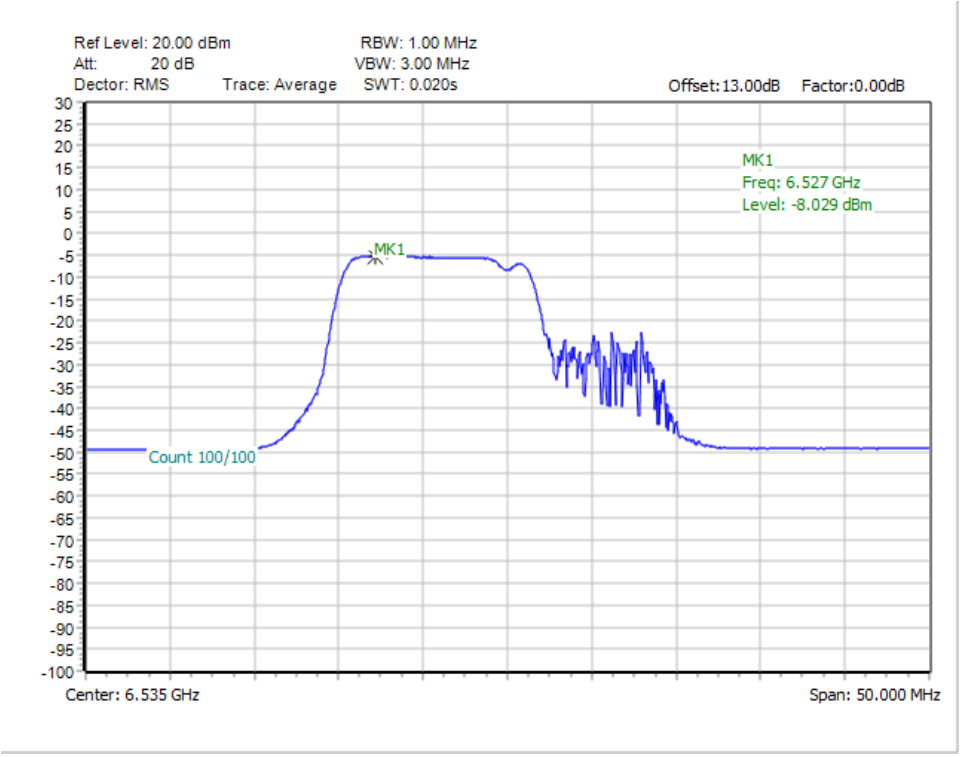

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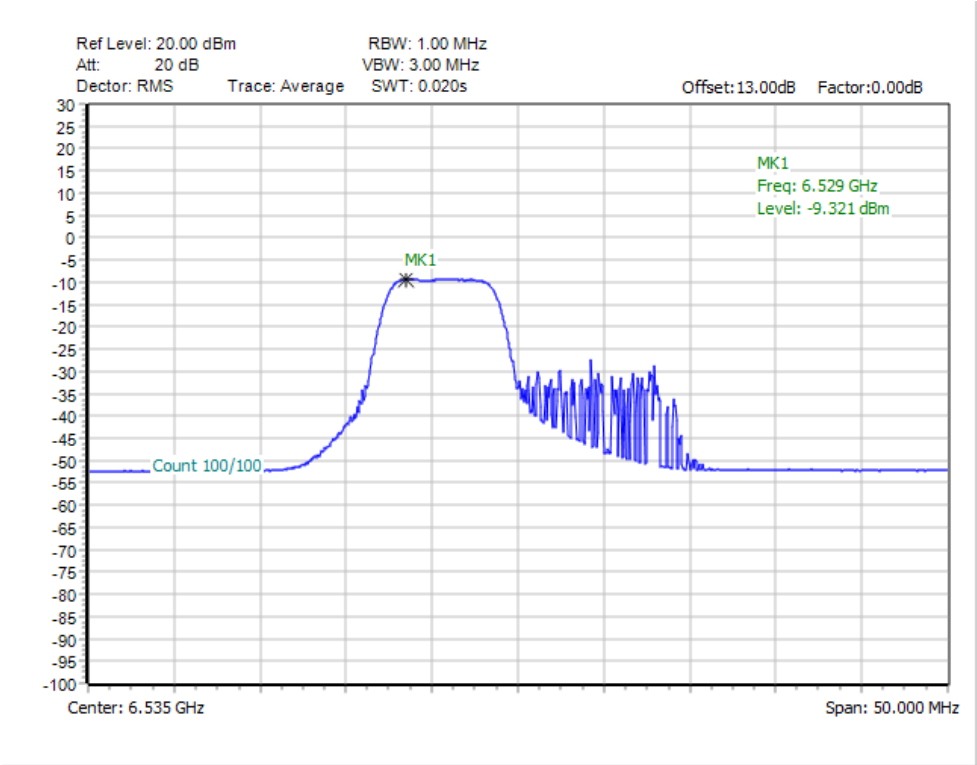

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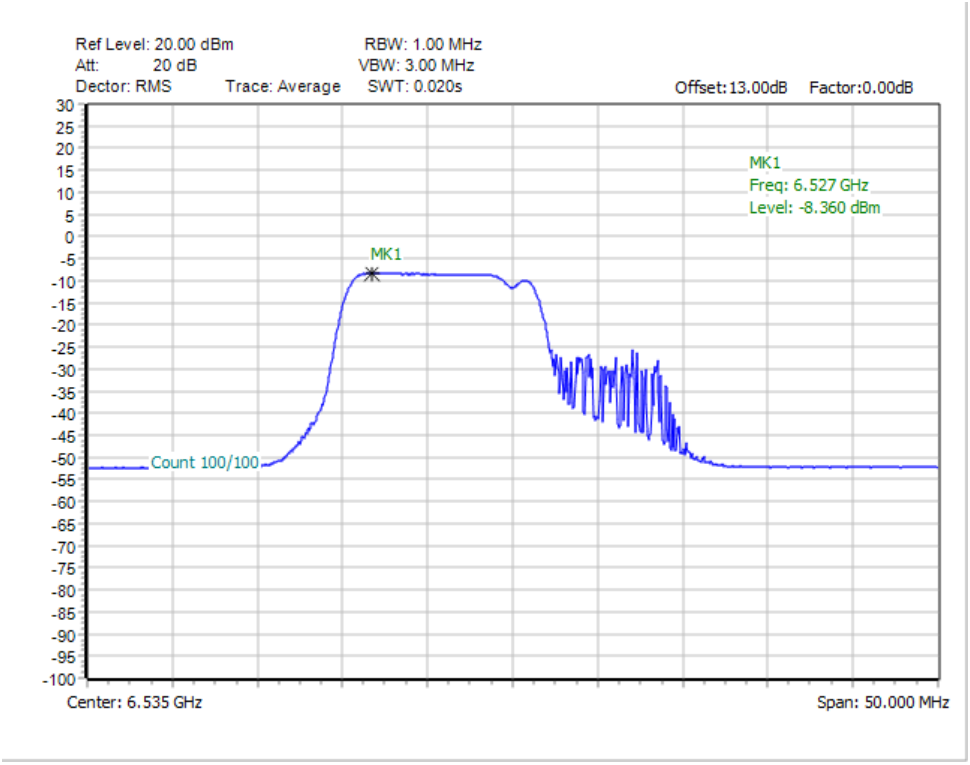

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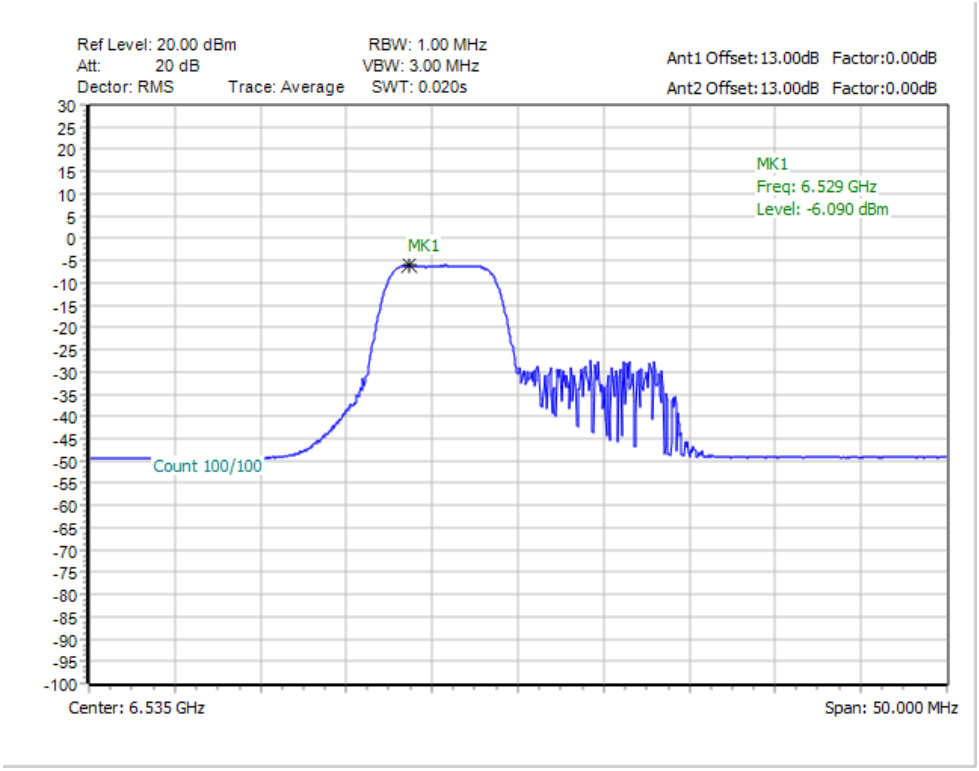

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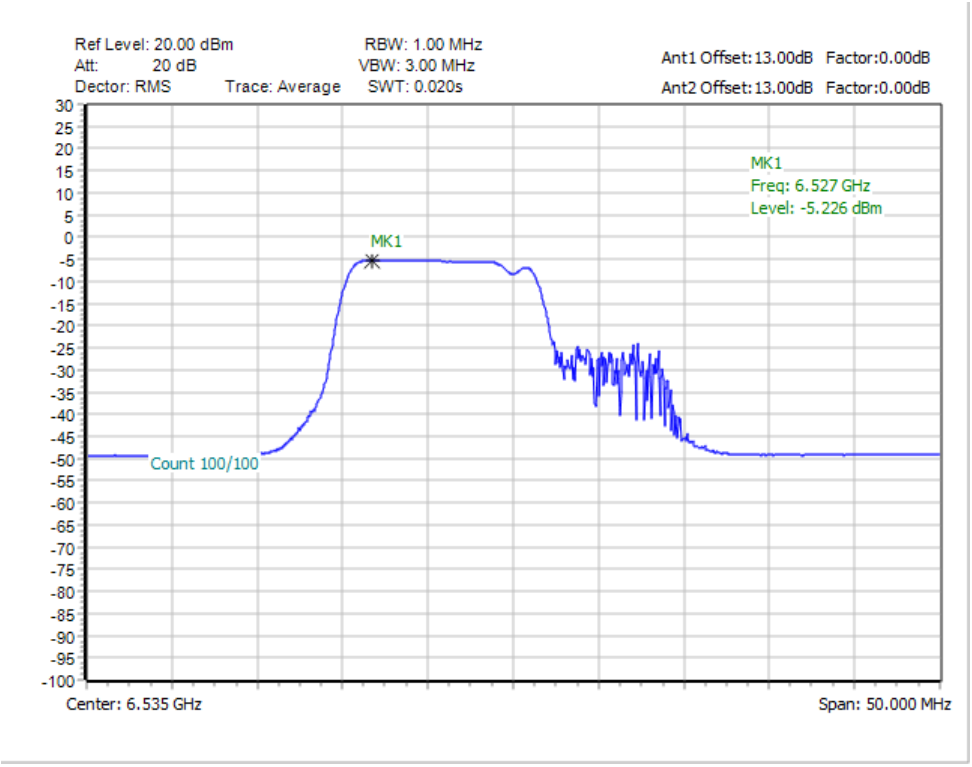

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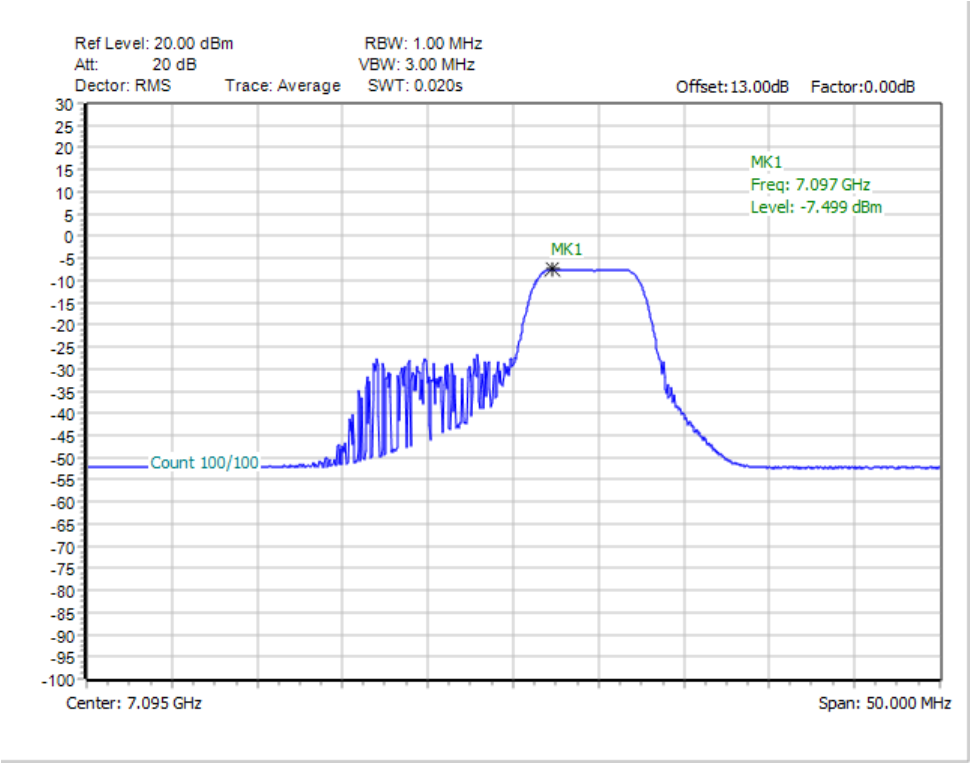

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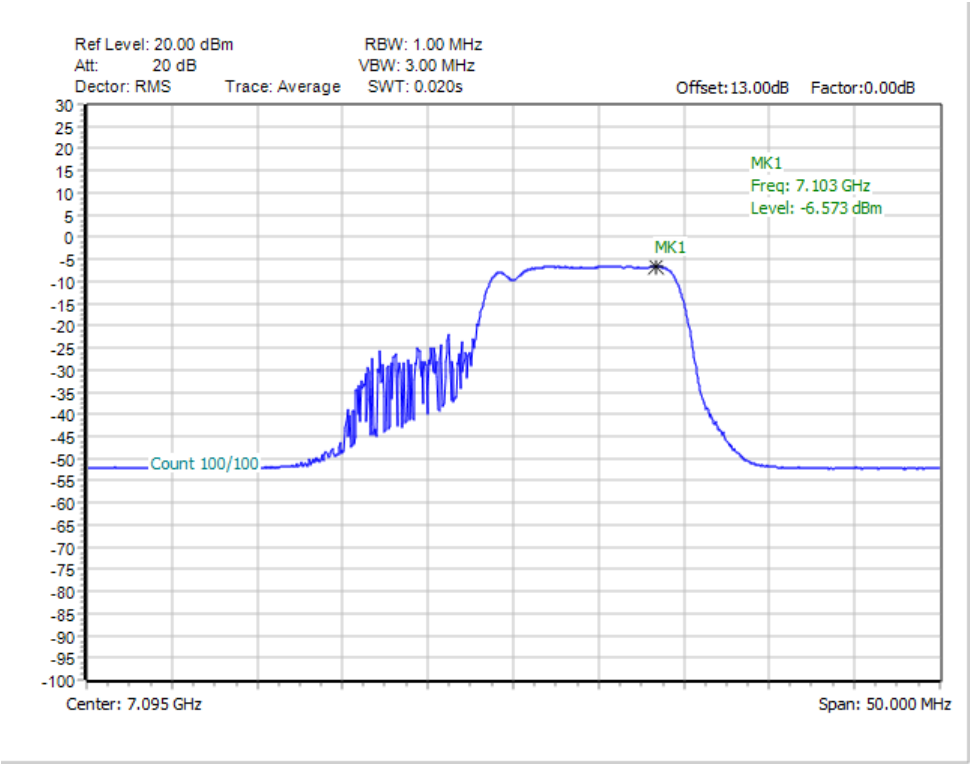

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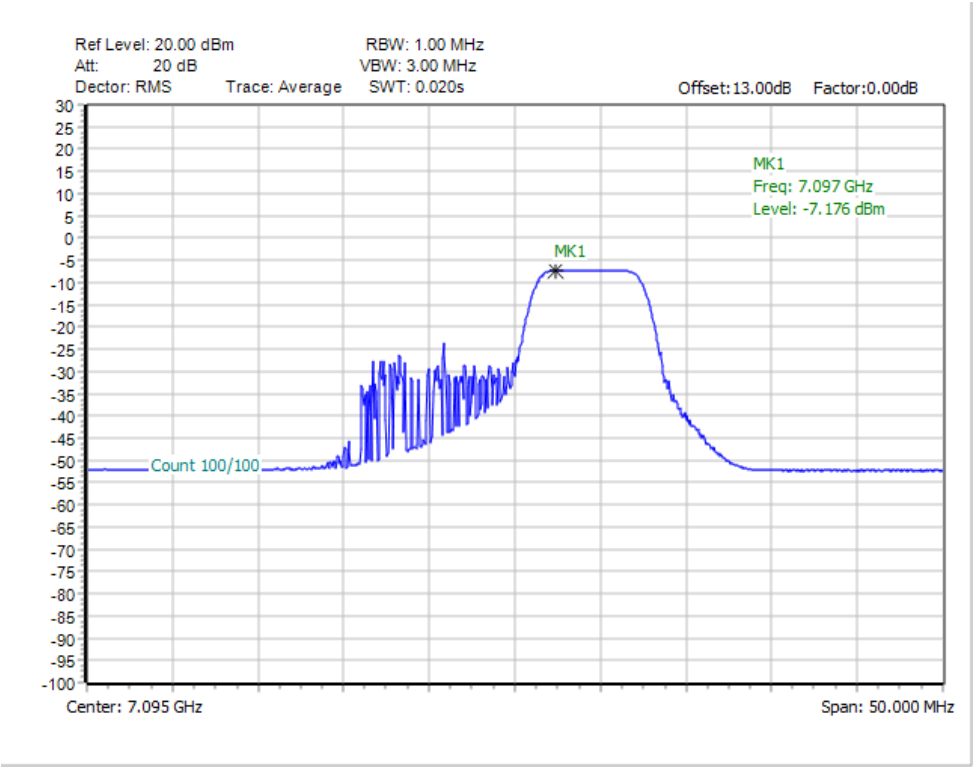

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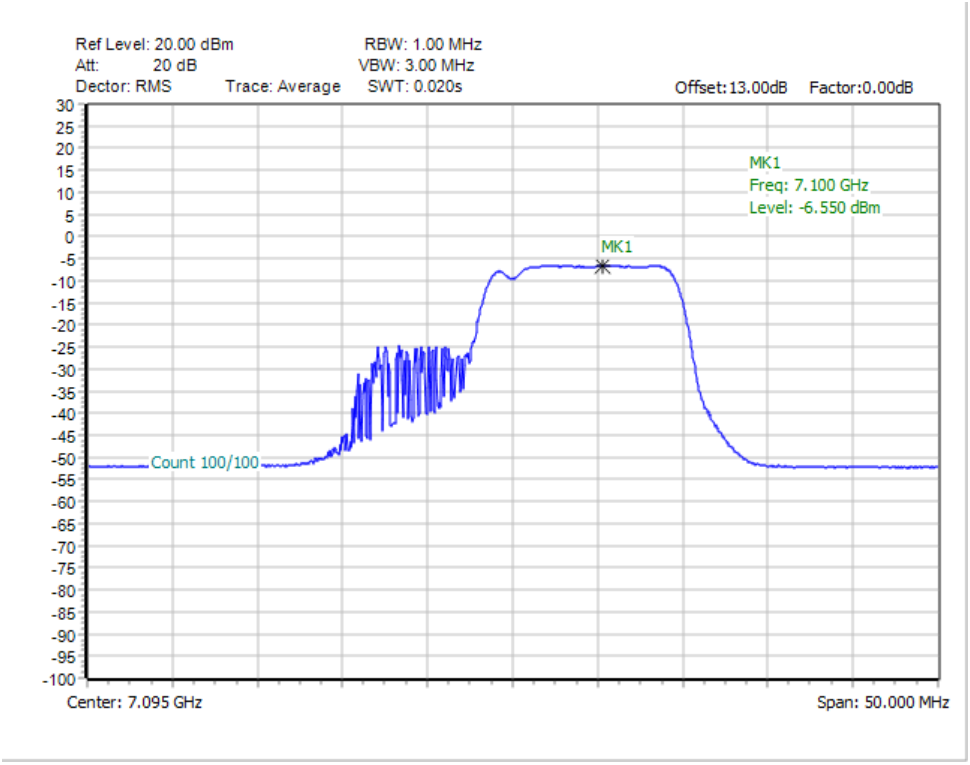

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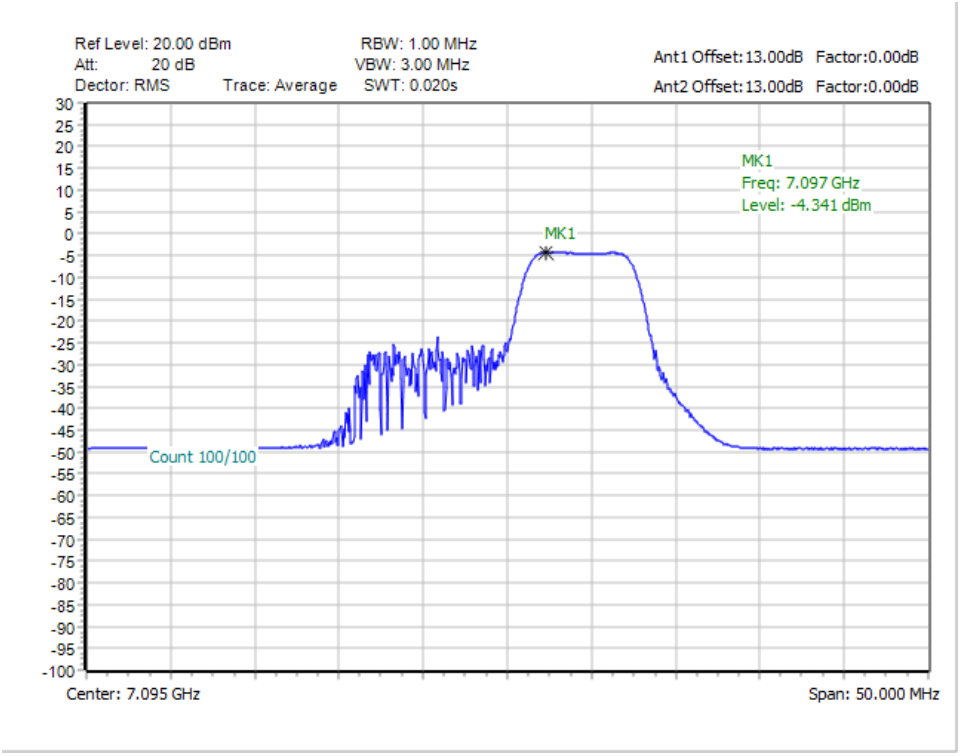

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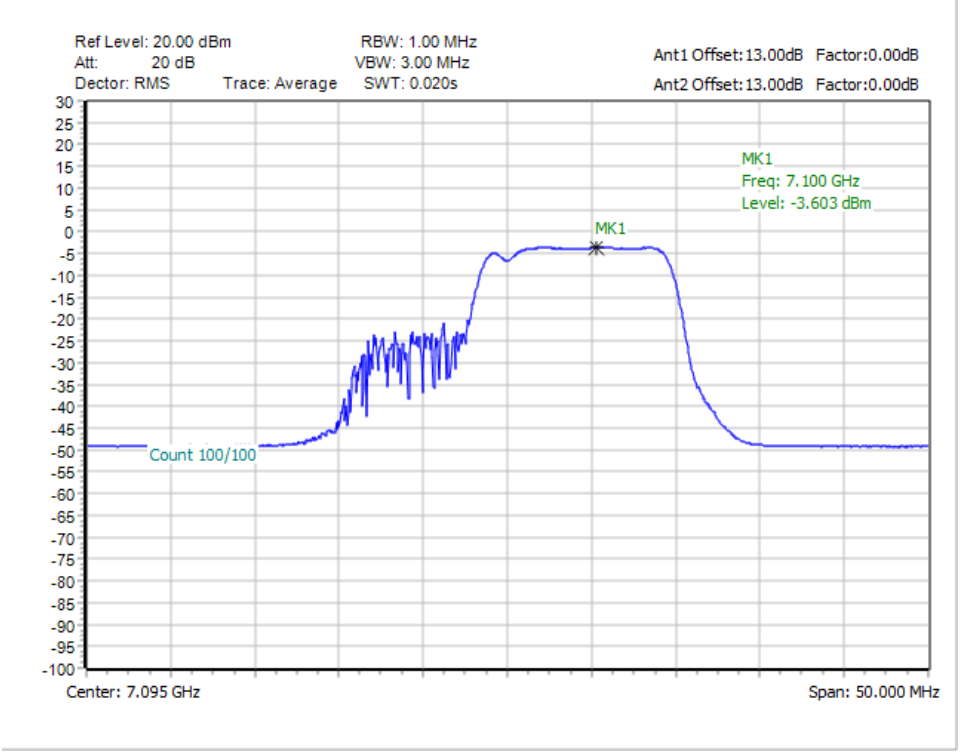

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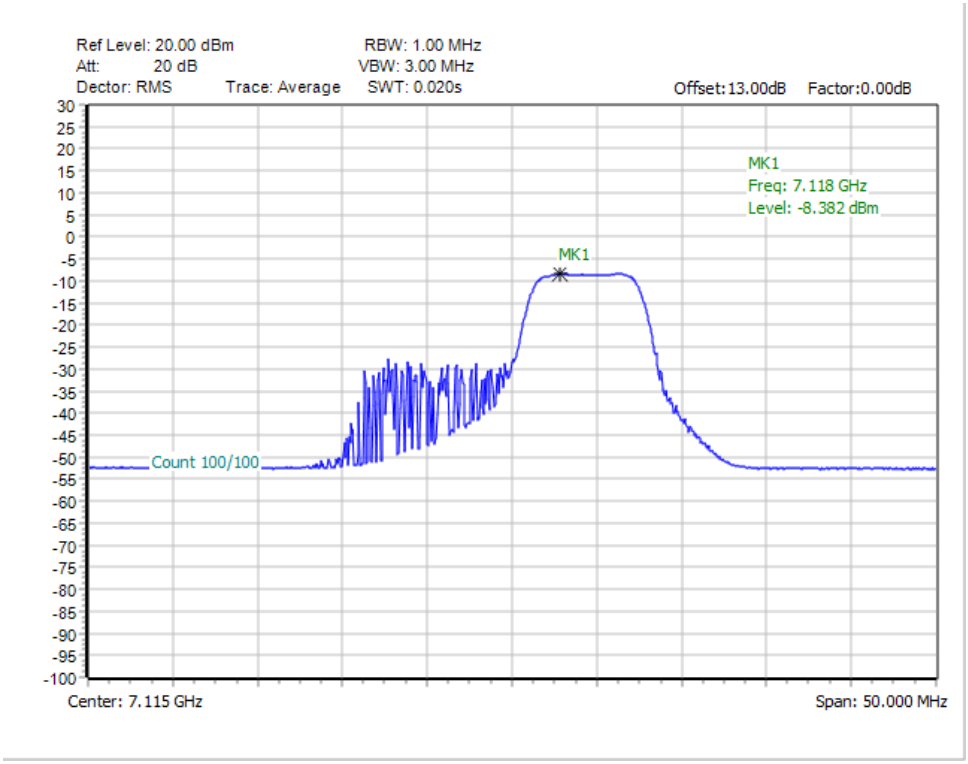

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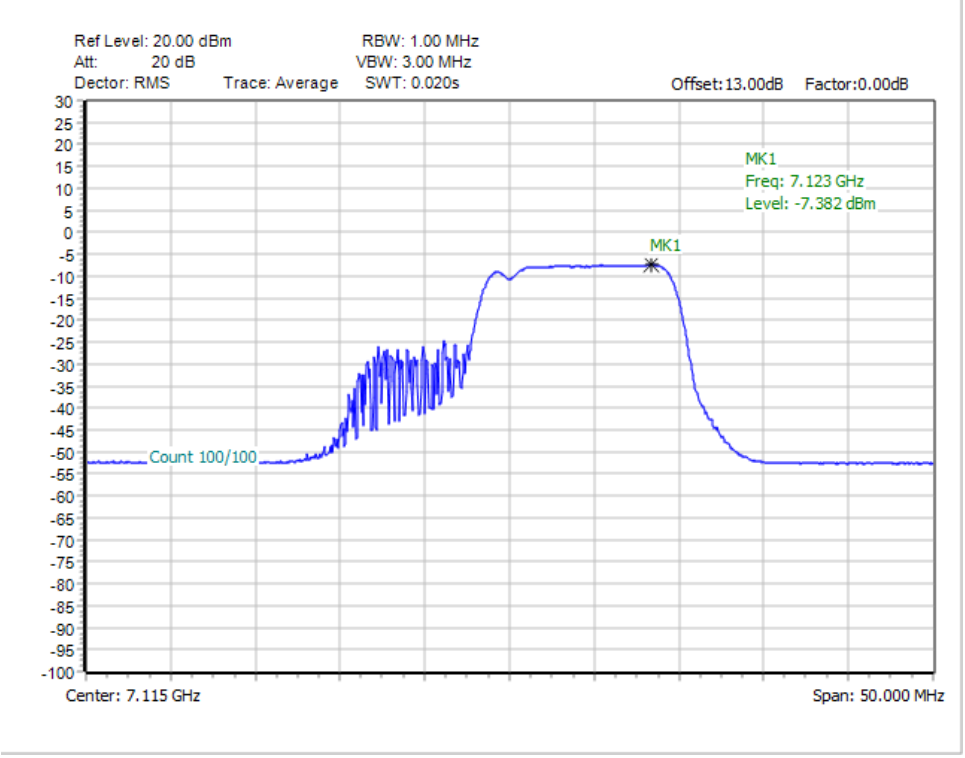

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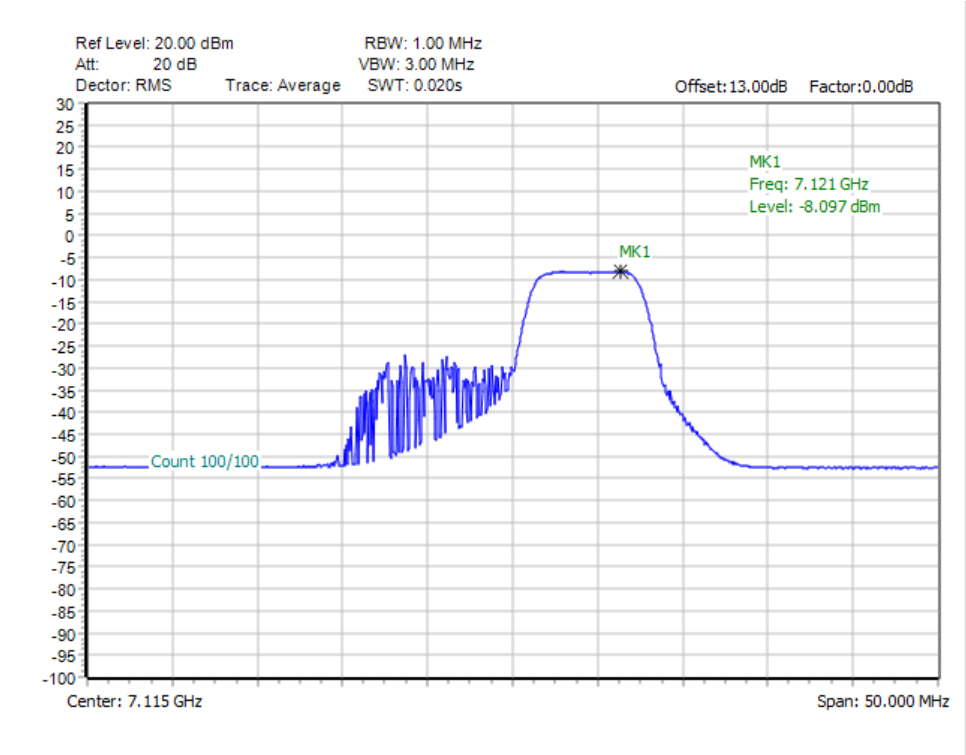

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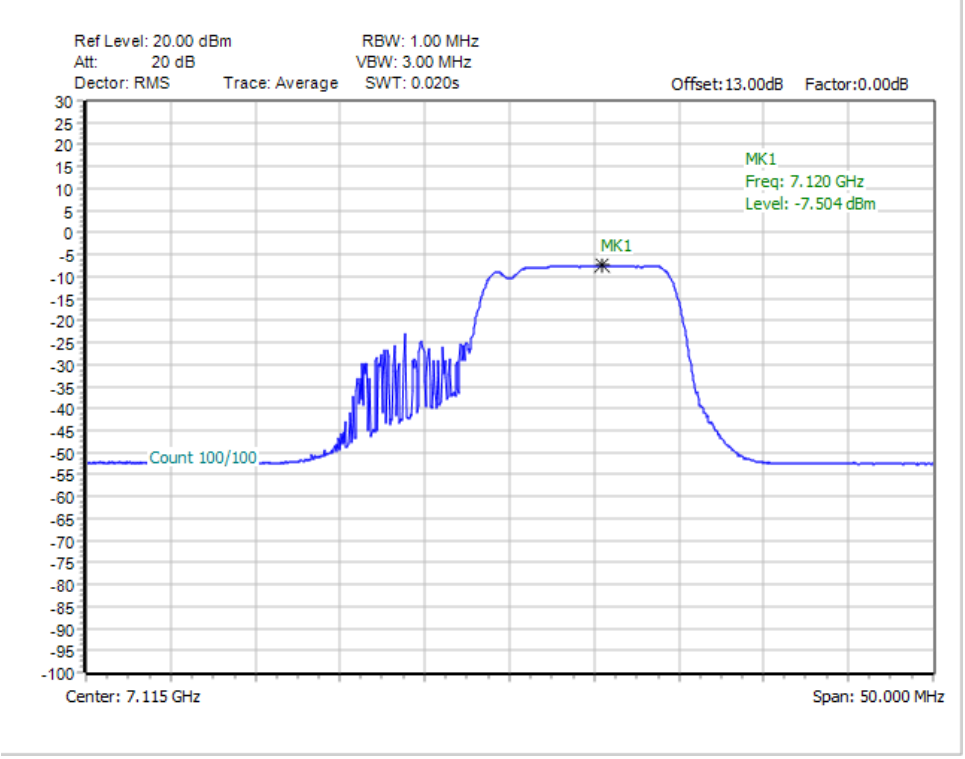

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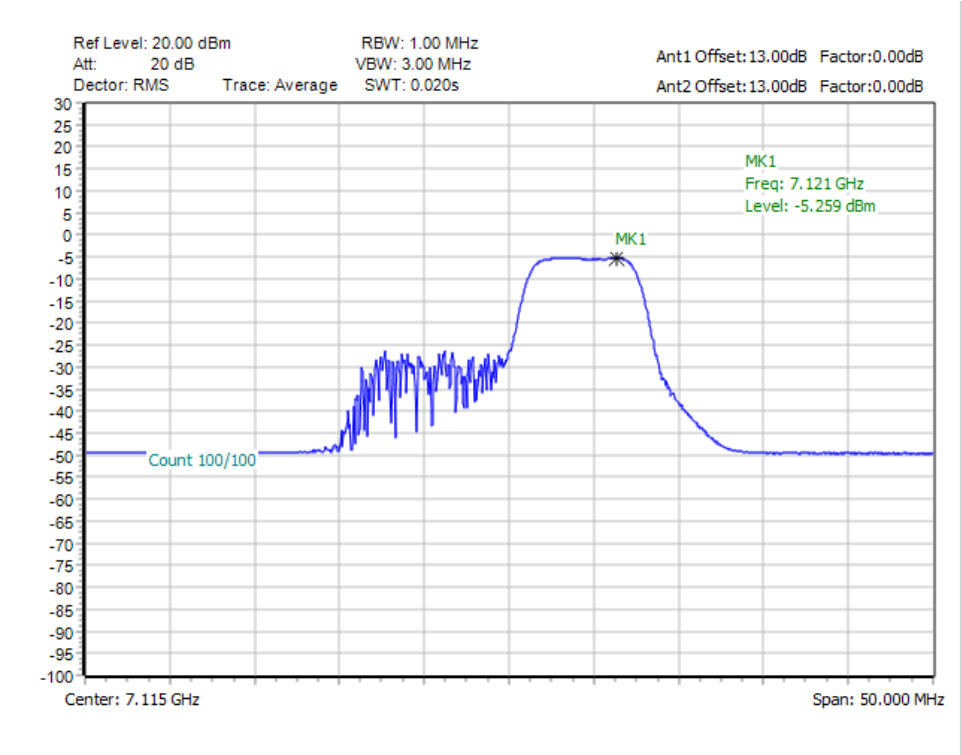

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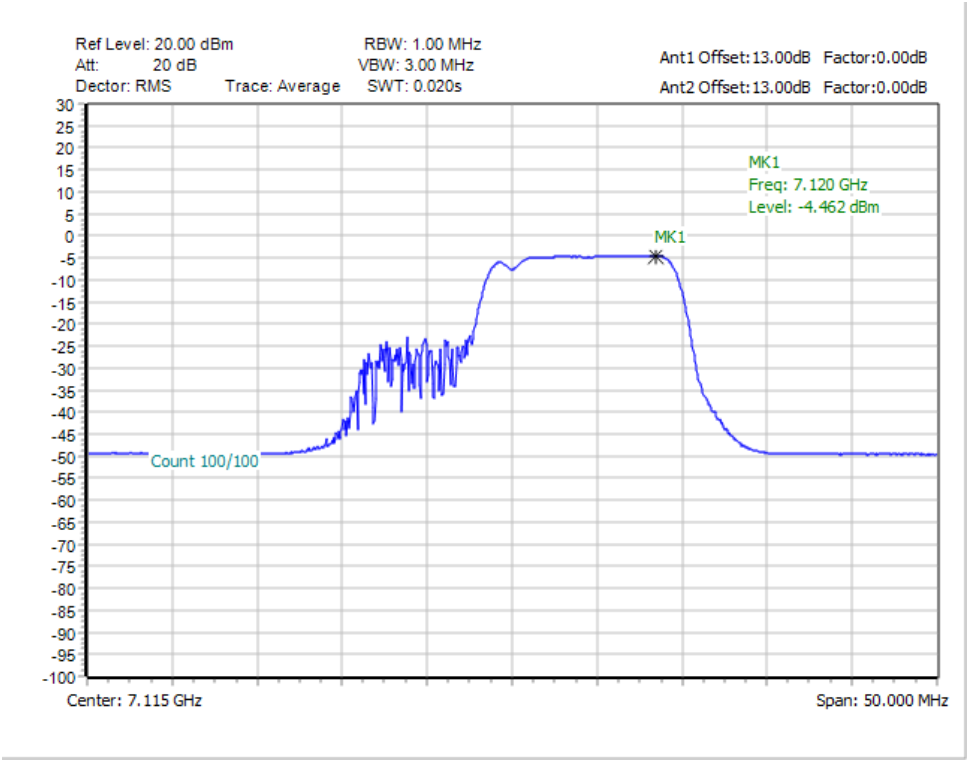
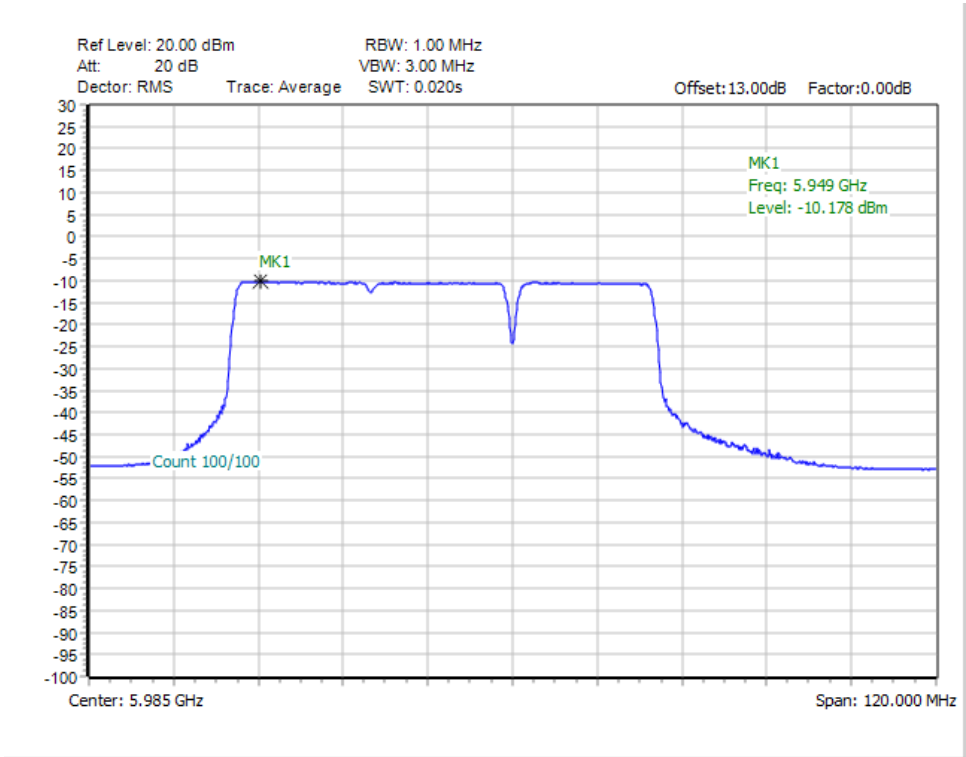
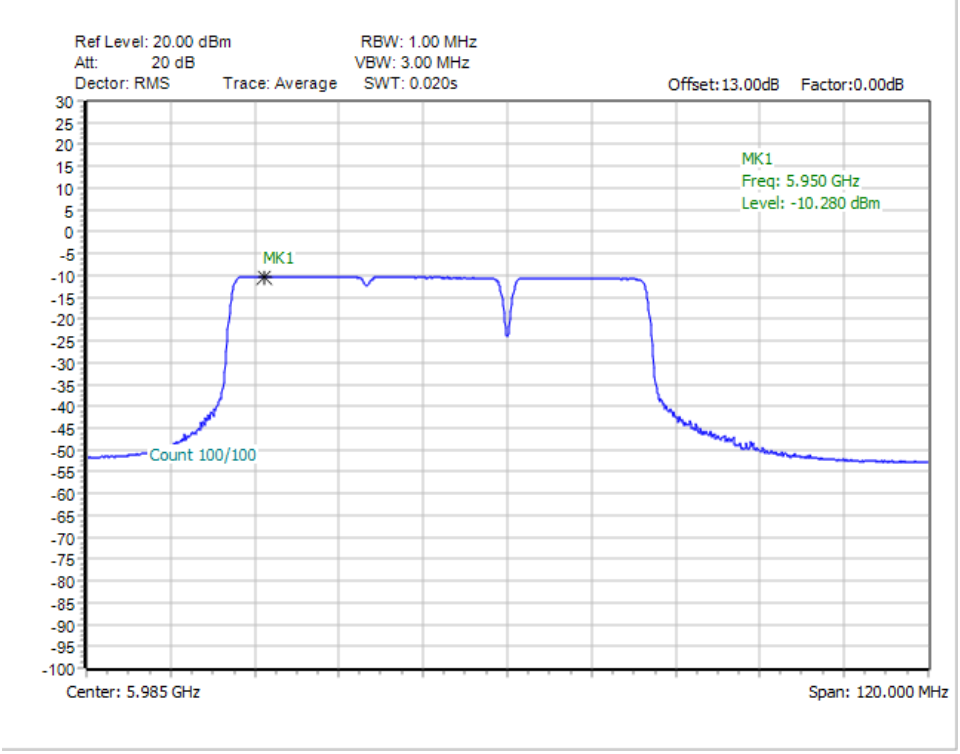


11BE80MIMO_Ant9_5985_Large RU 484+242_4



11BE80MIMO_Ant9_5985_Puncturing 20M_4



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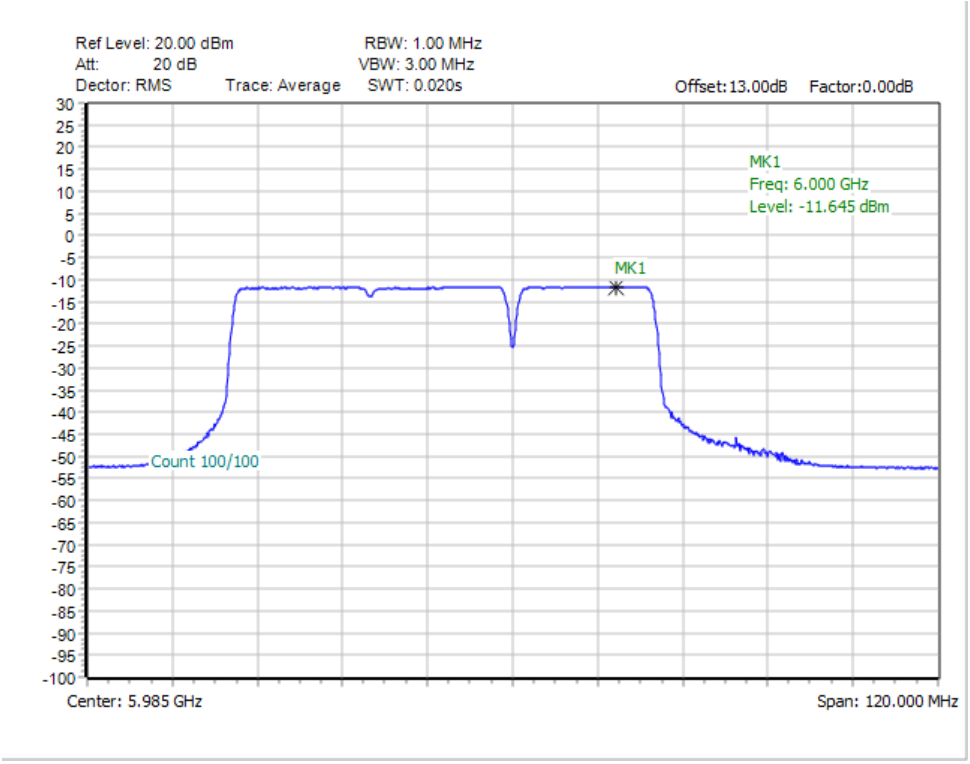

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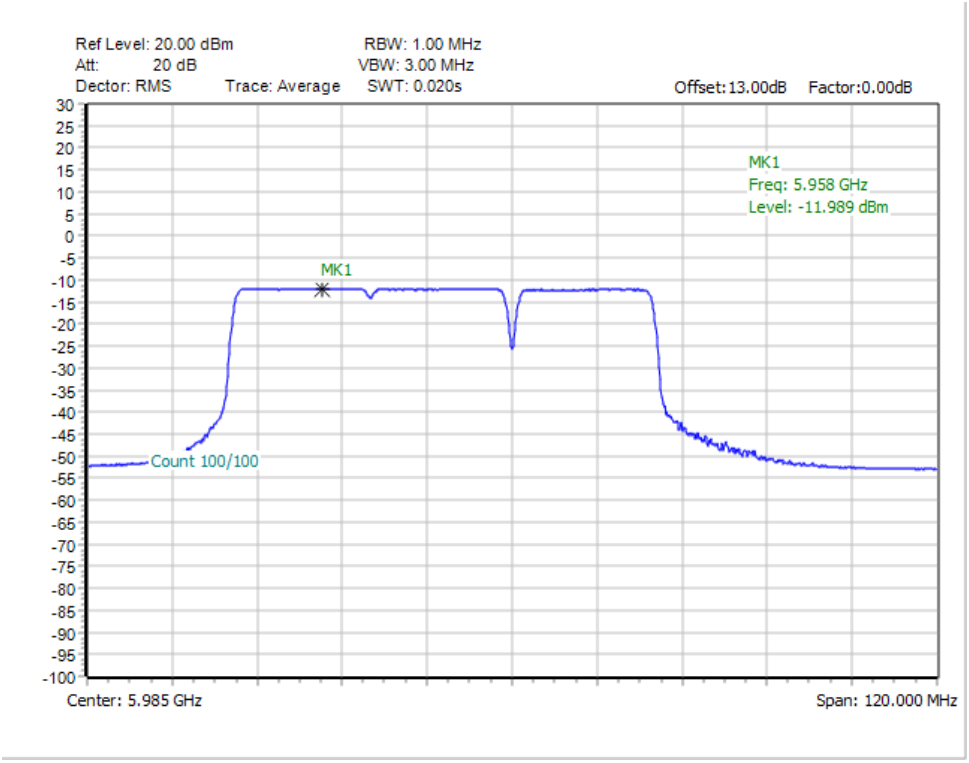

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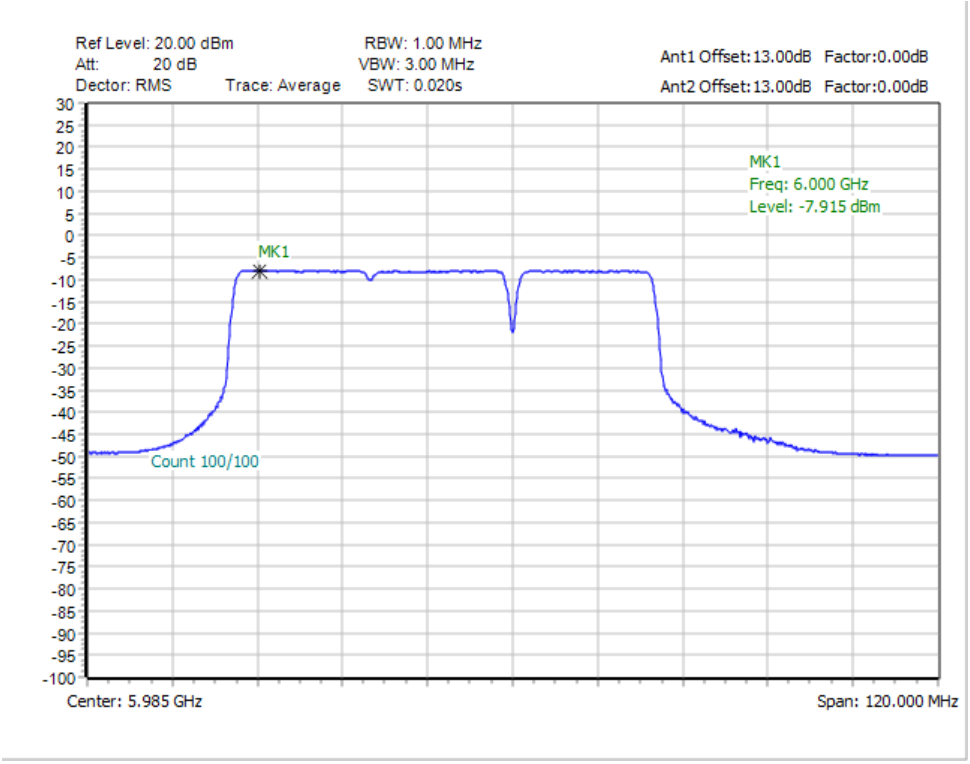

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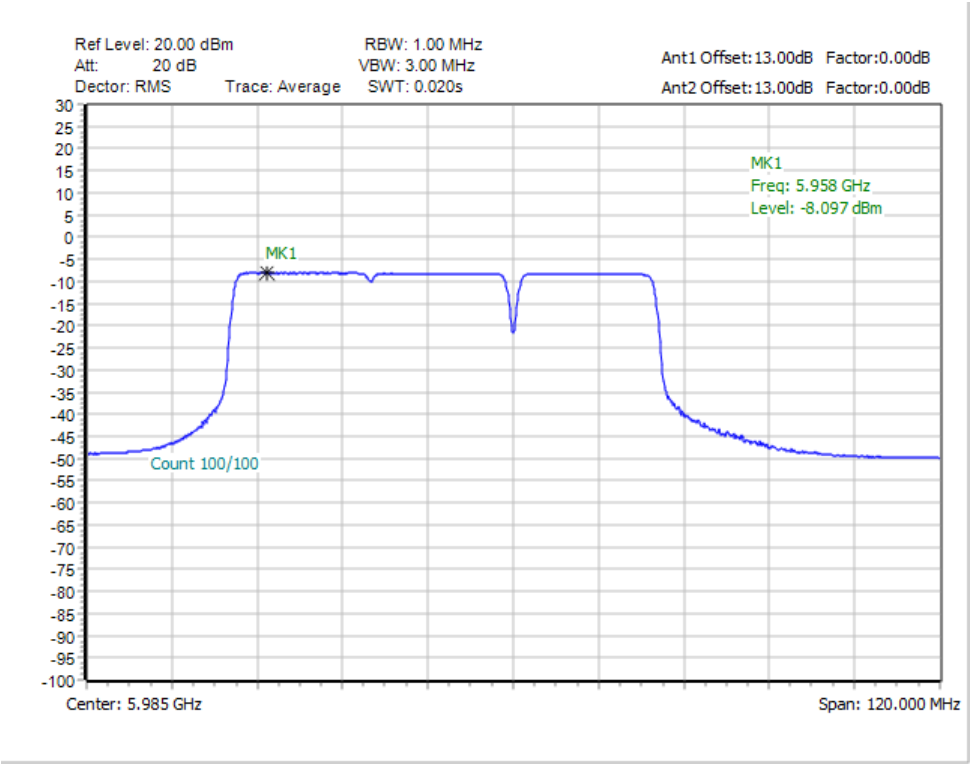
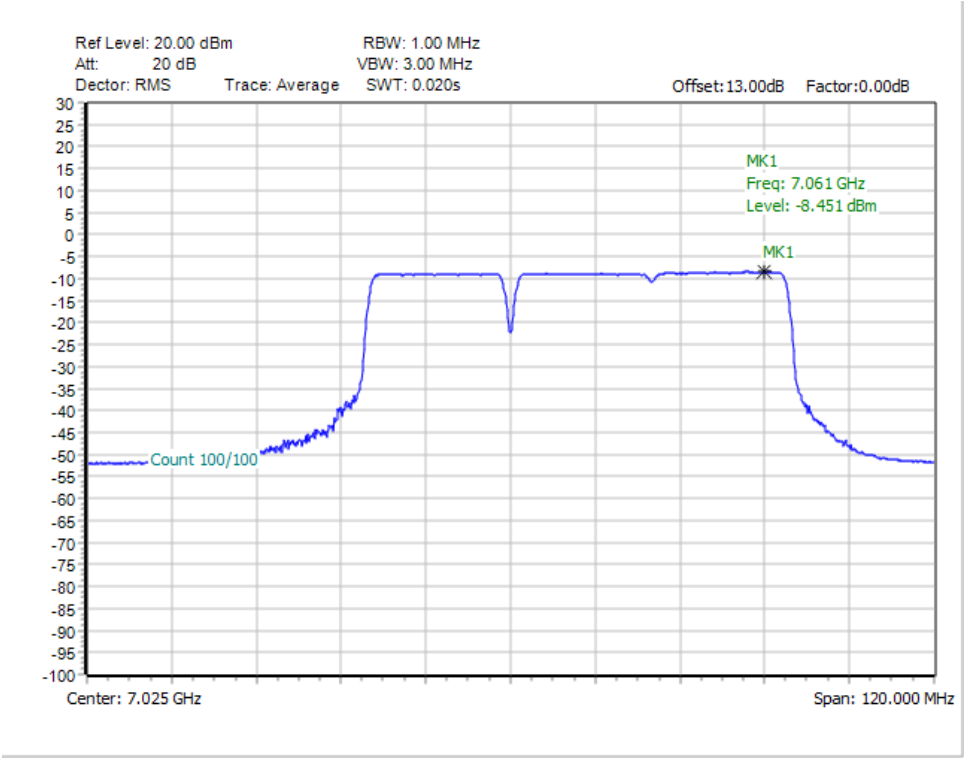
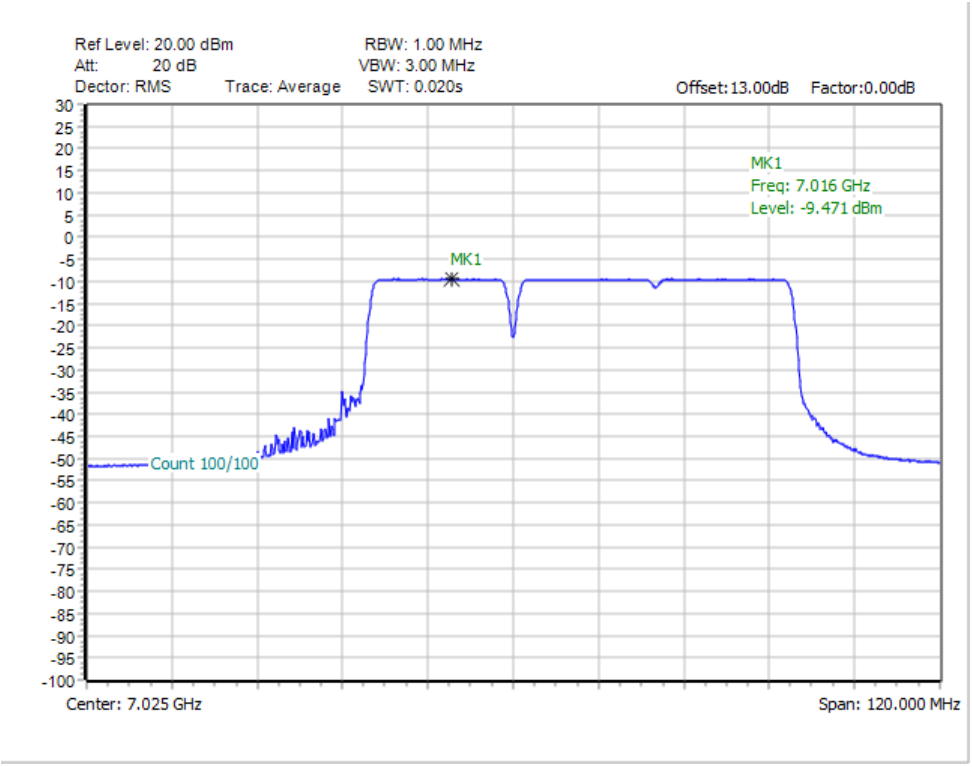


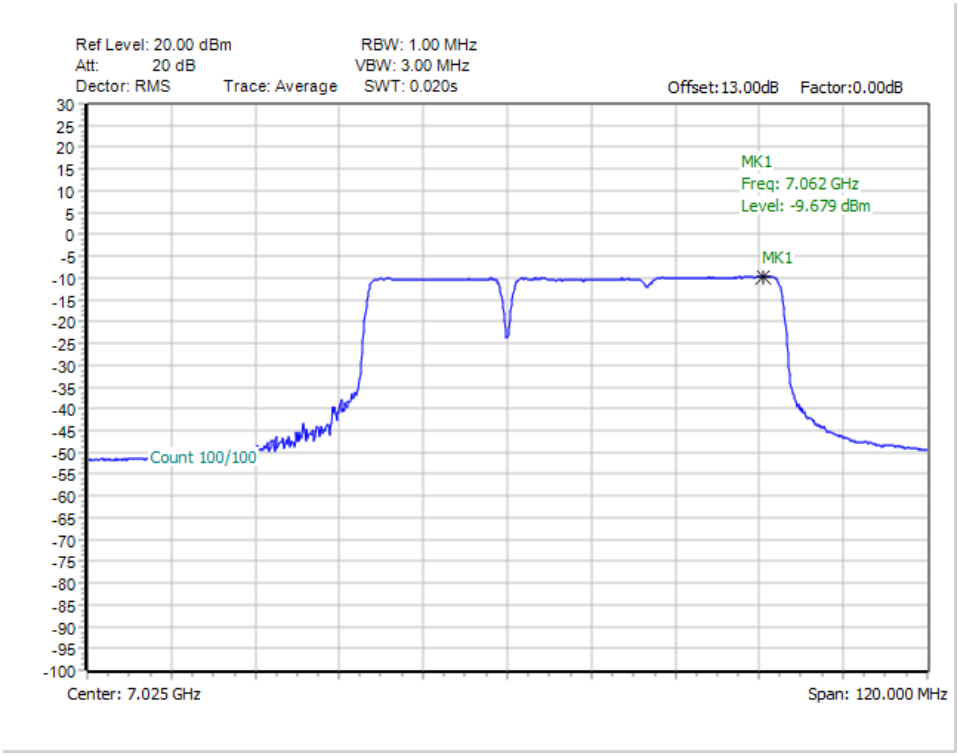
11BE80MIMO_Ant9_7025_Large RU 484+242_1



11BE80MIMO_Ant9_7025_Puncturing 20M_1



11BE80MIMO_Ant15_7025_Large RU 484+242_1



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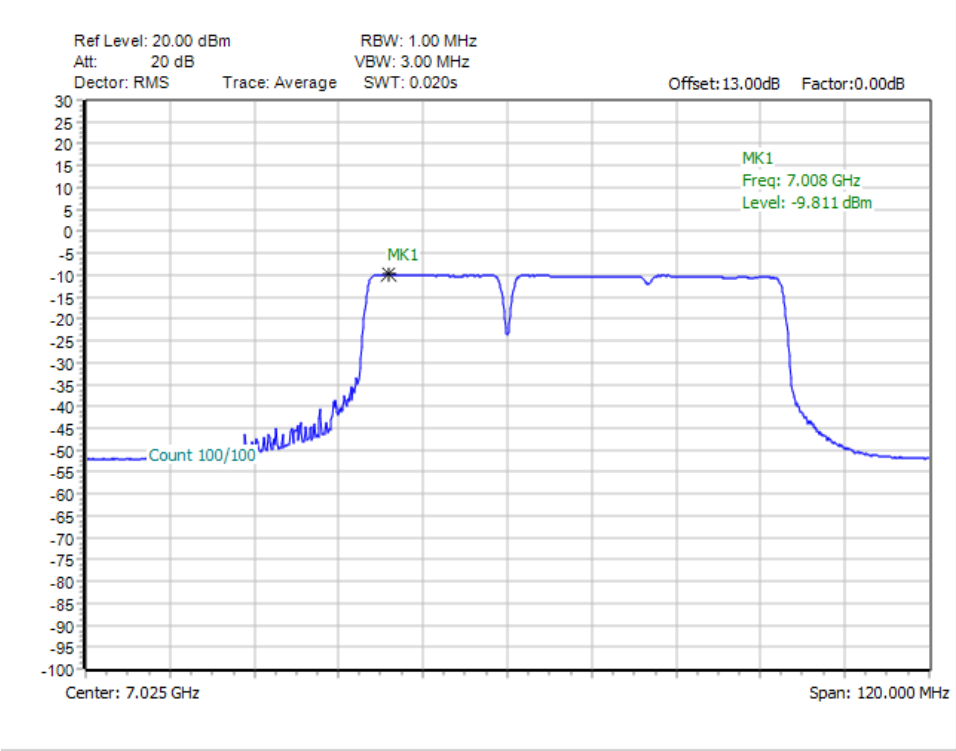
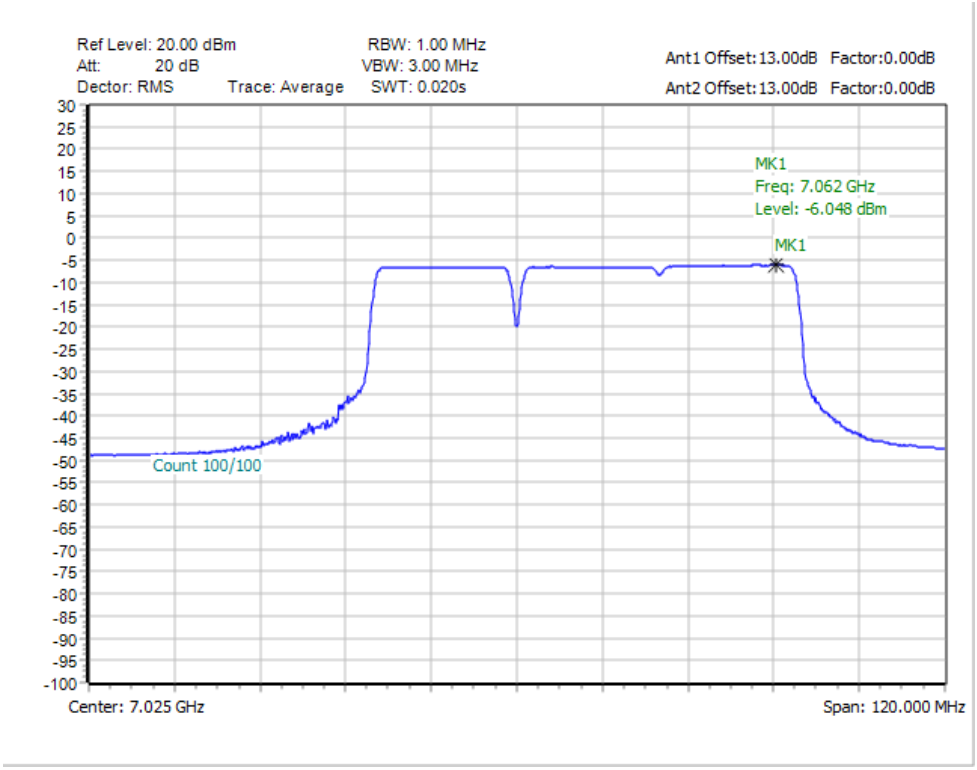


11BE80MIMO_ total _7025_Large RU 484+242_1



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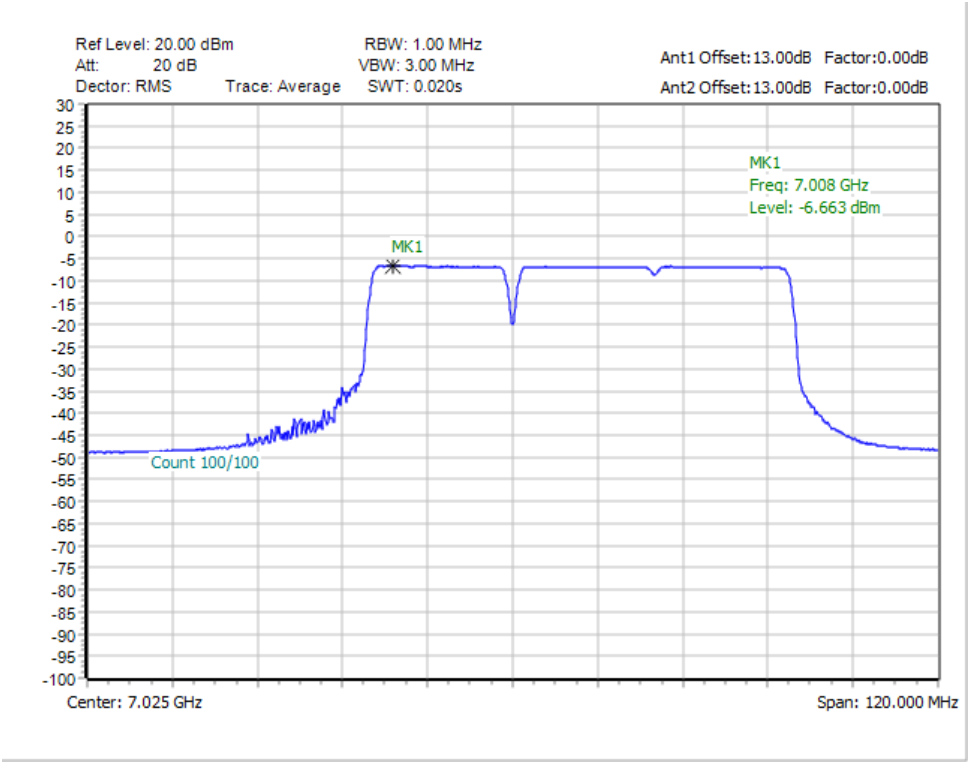
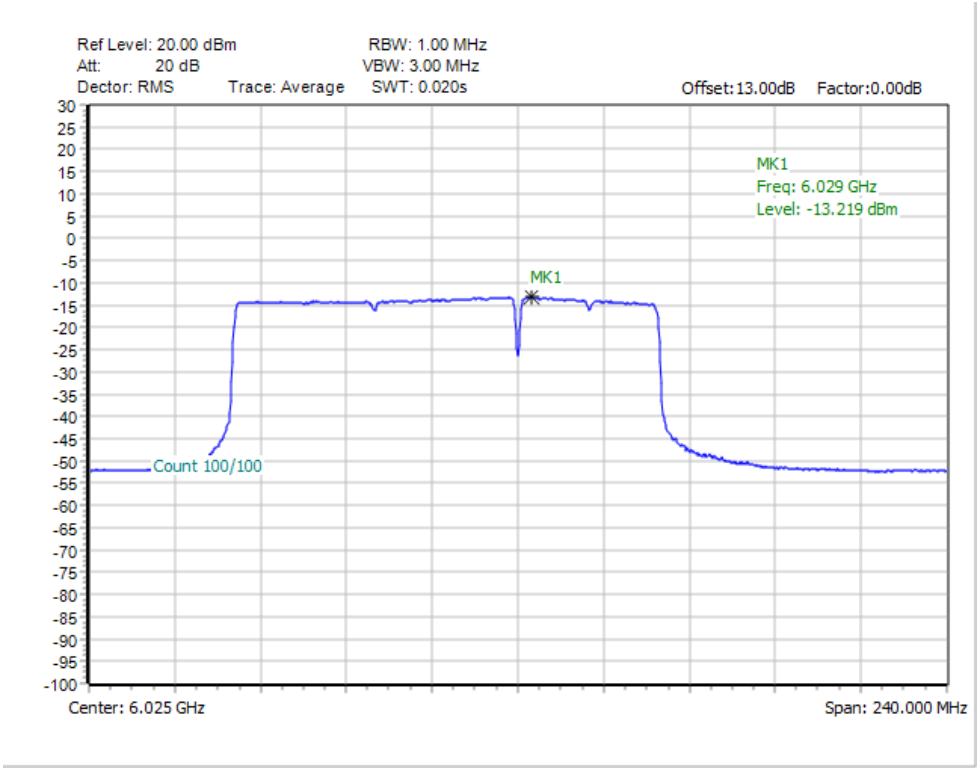
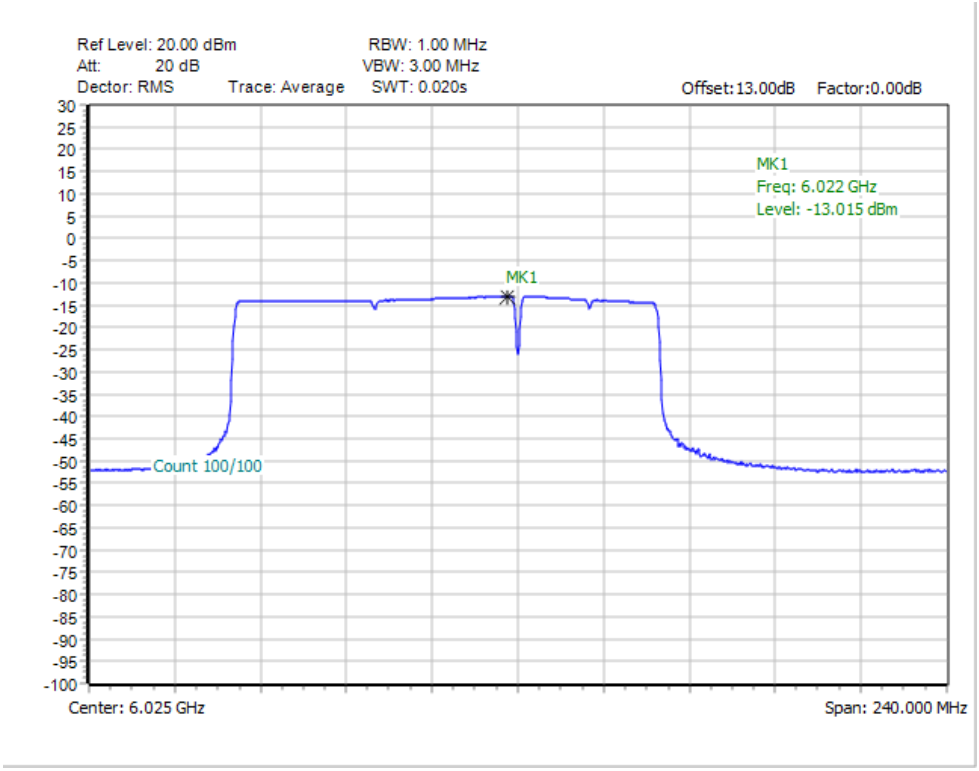


11BE160MIMO_Ant9_6025_Large RU 996+484_4



11BE160MIMO_Ant9_6025_Puncturing 40M_4



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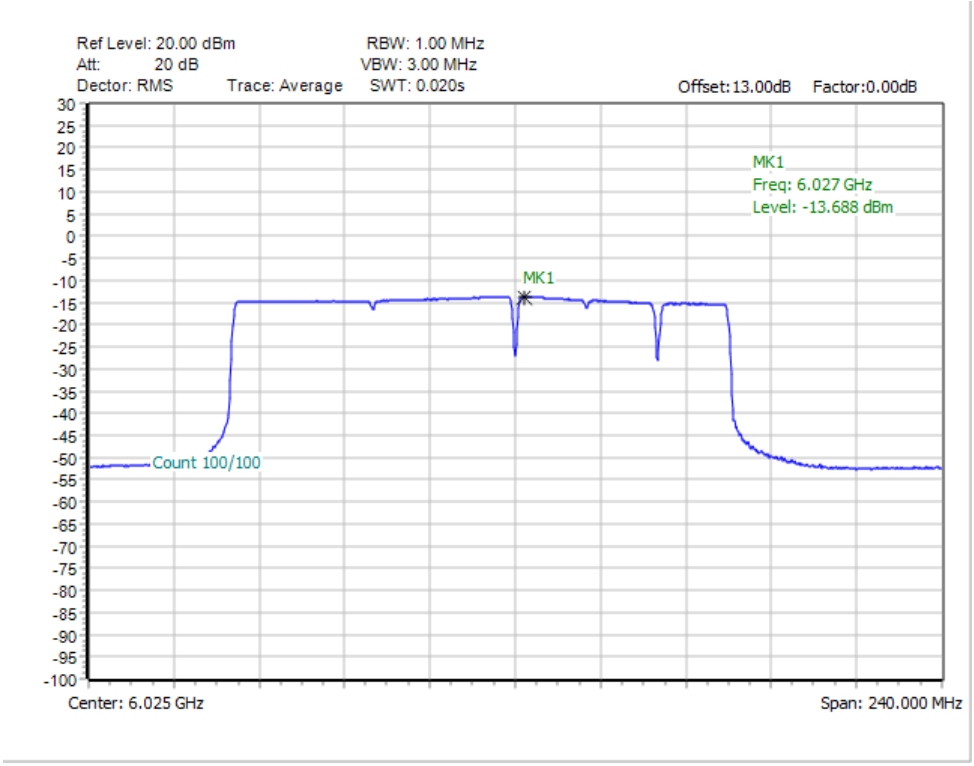

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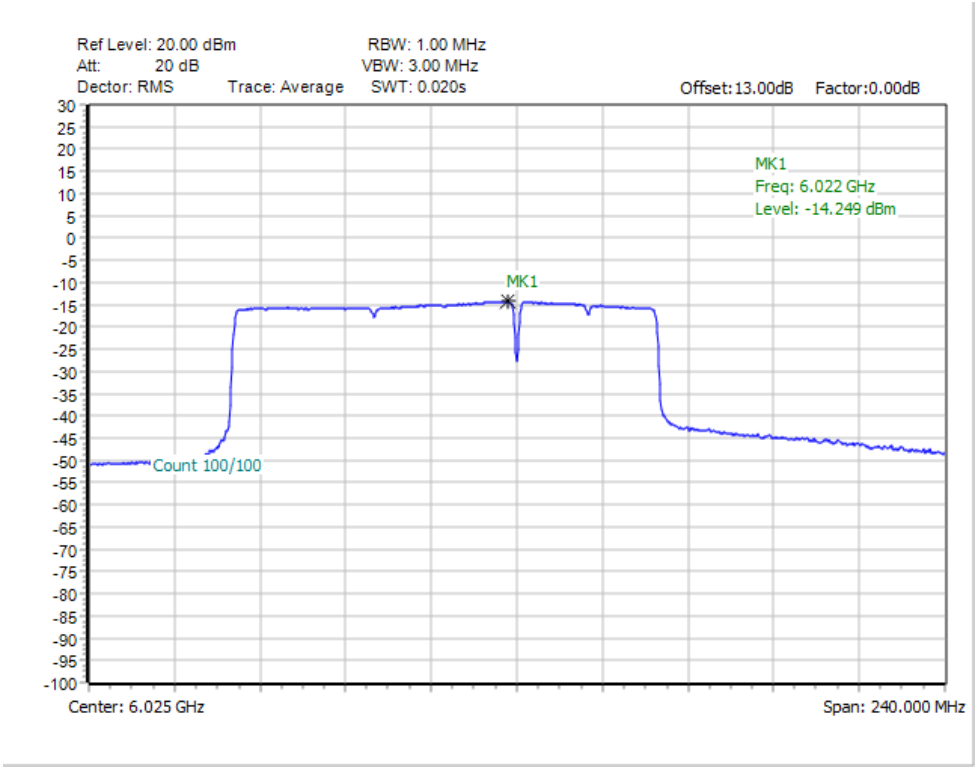

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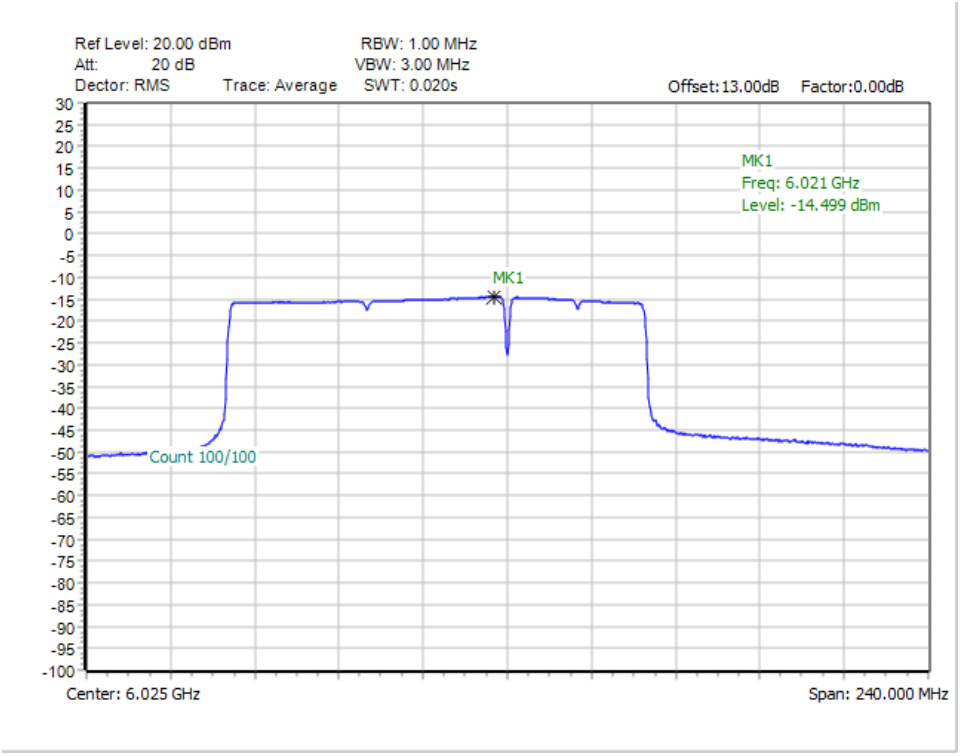

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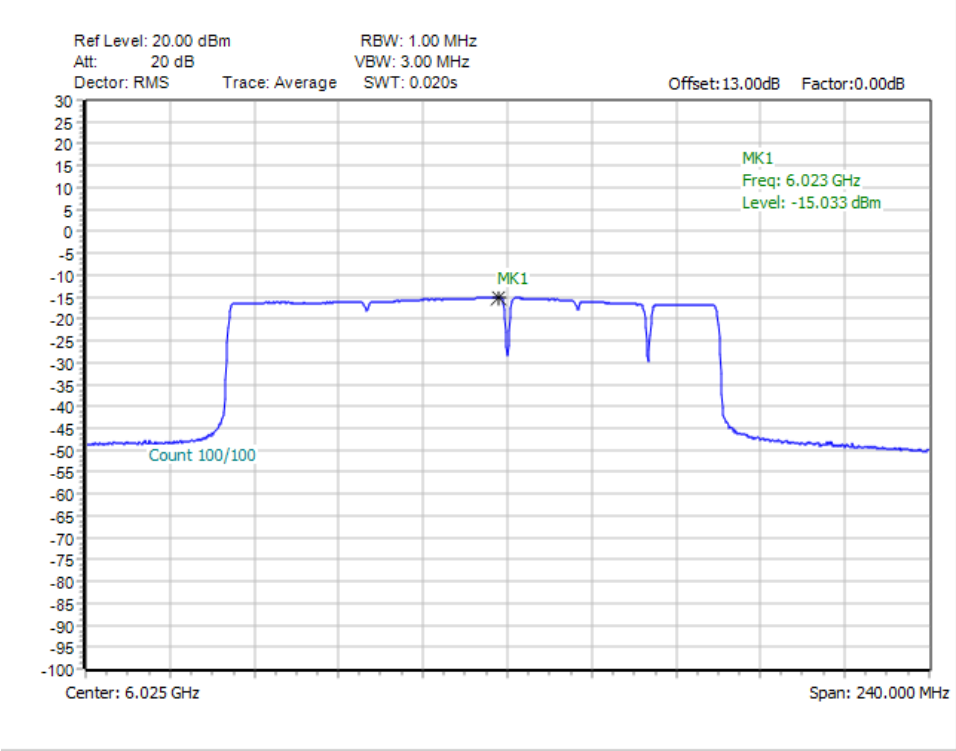
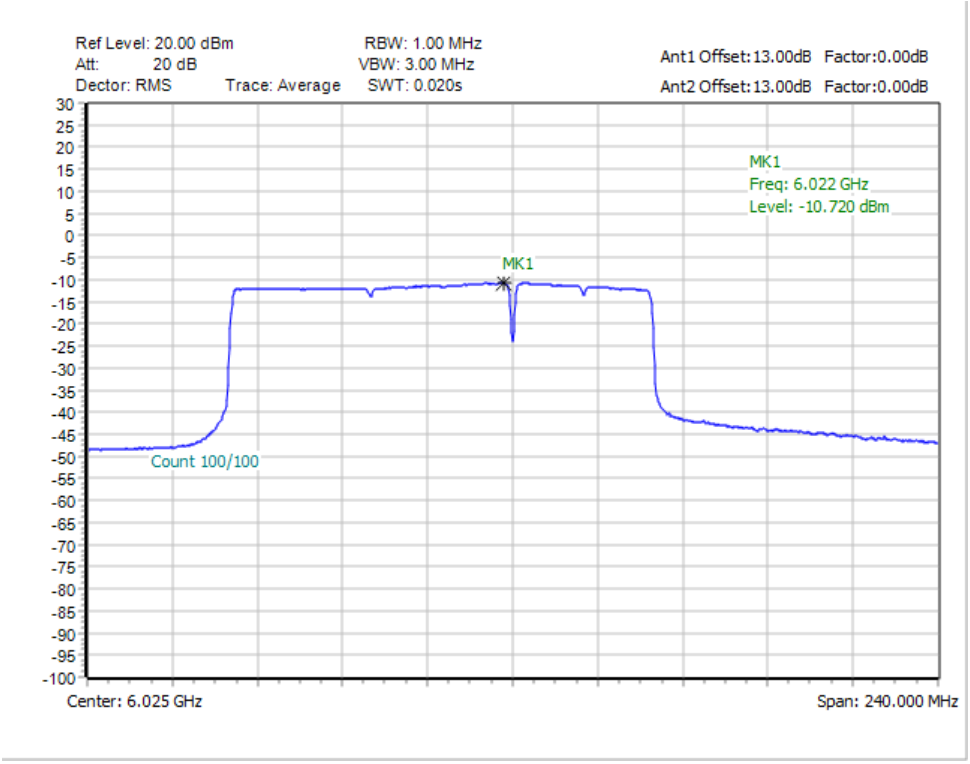
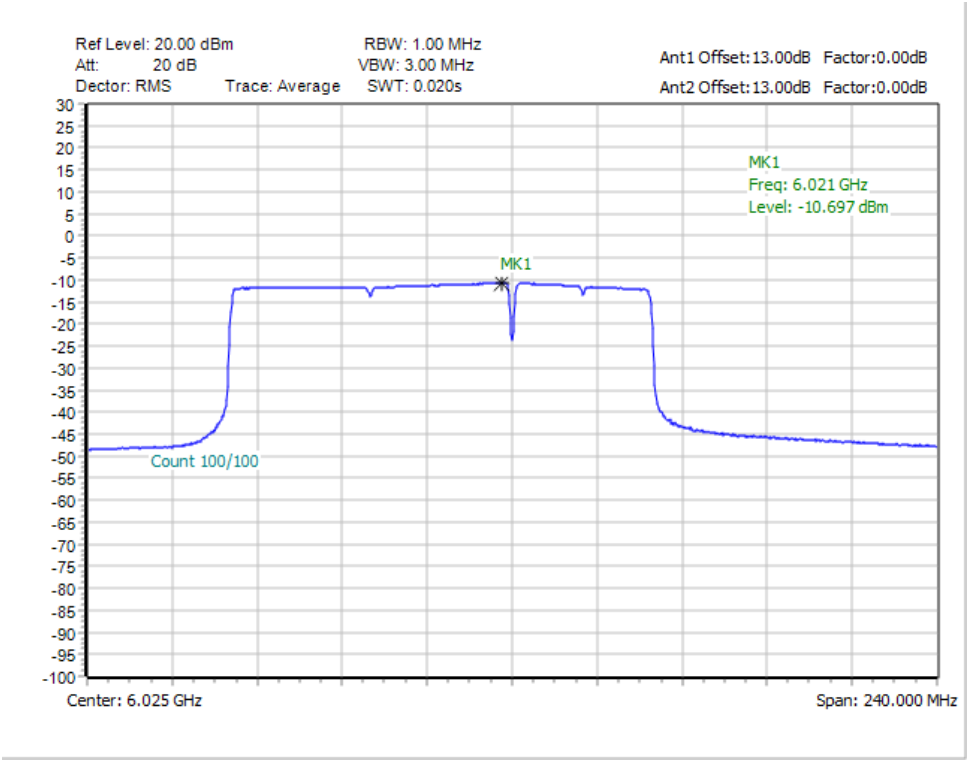


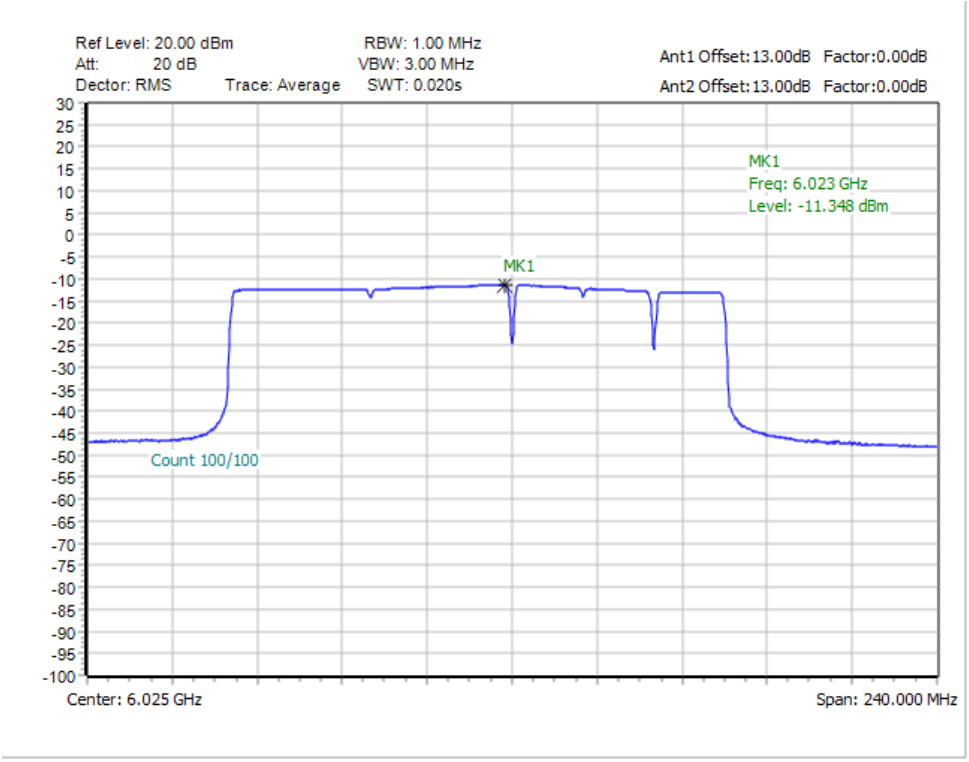
11BE160MIMO_ total 6025_Large RU 996+484_4



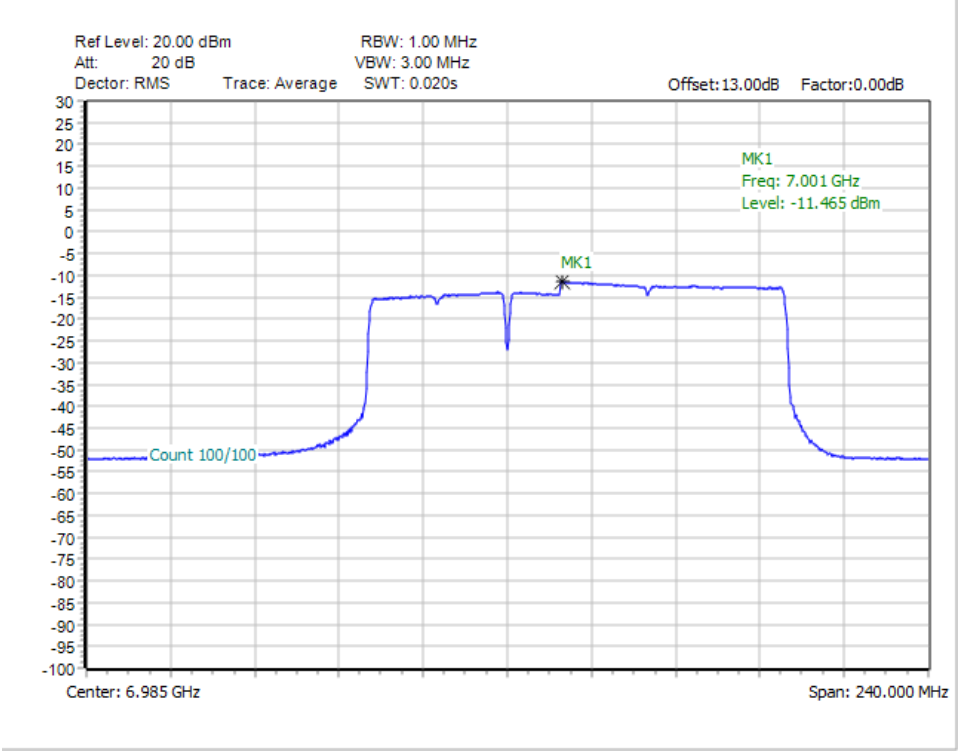
11BE160MIMO_ total _6025_Puncturing 40M_4



11BE160MIMO_ total _6025_Puncturing 20M_8



11BE160MIMO_Ant9_6985_Large RU 996+484_1



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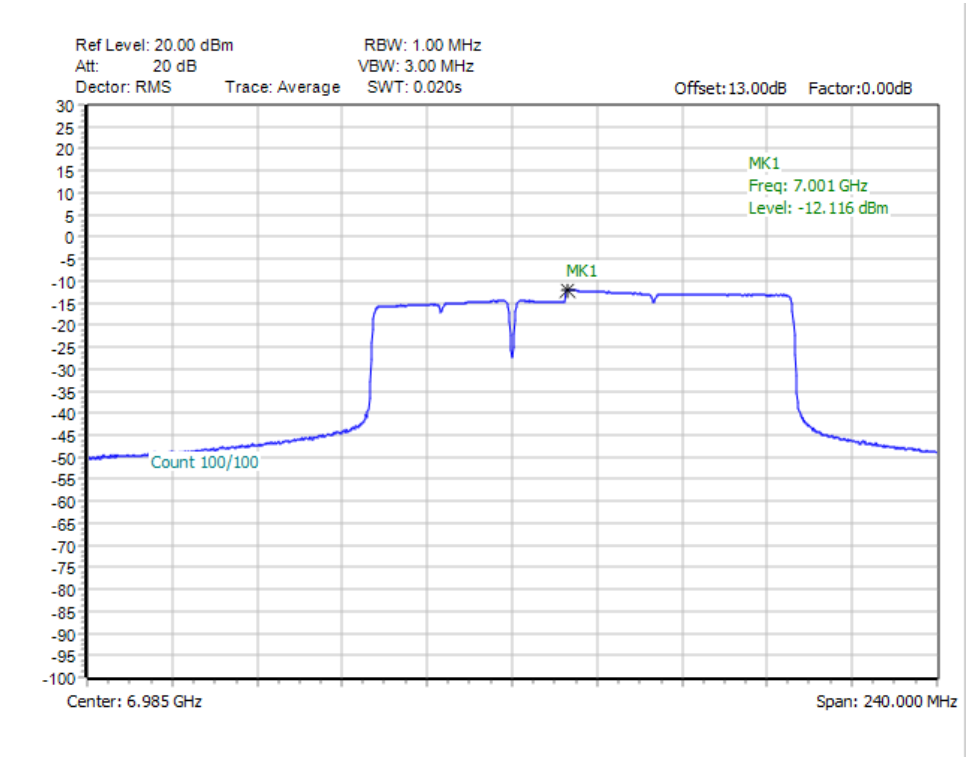
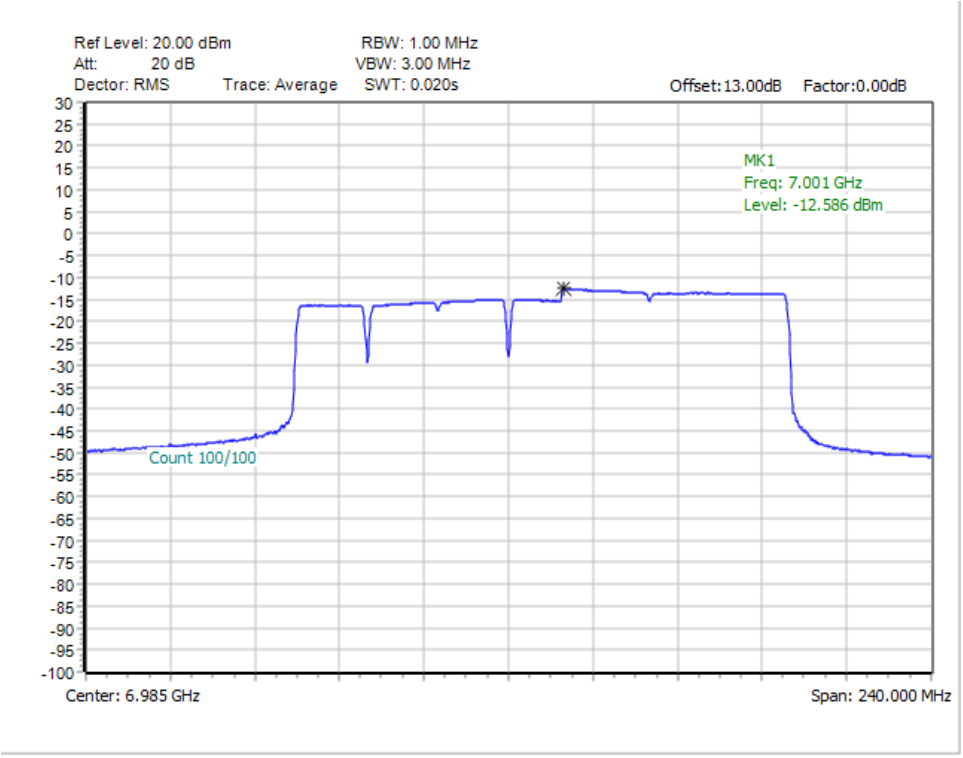
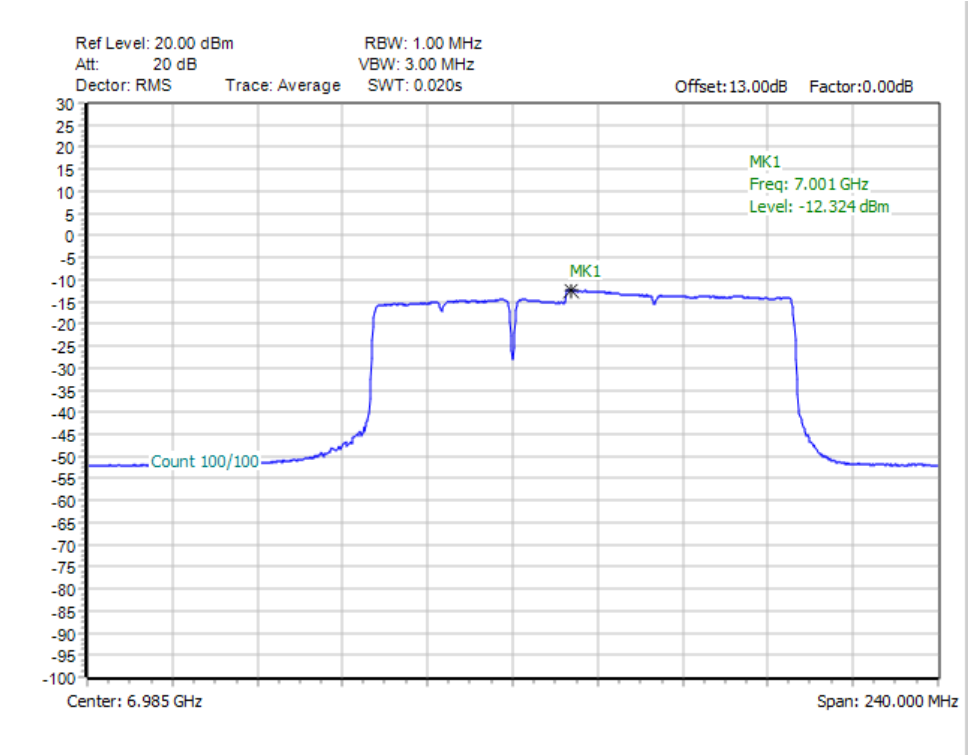


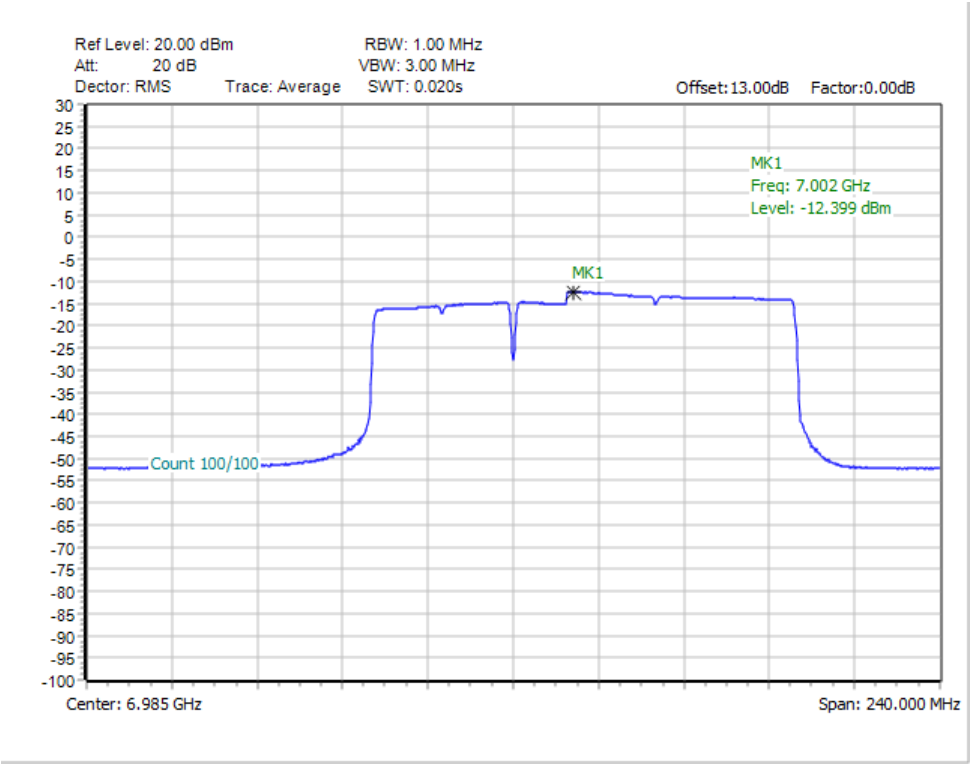
11BE160MIMO_Ant9_6985_Puncturing 20M_1



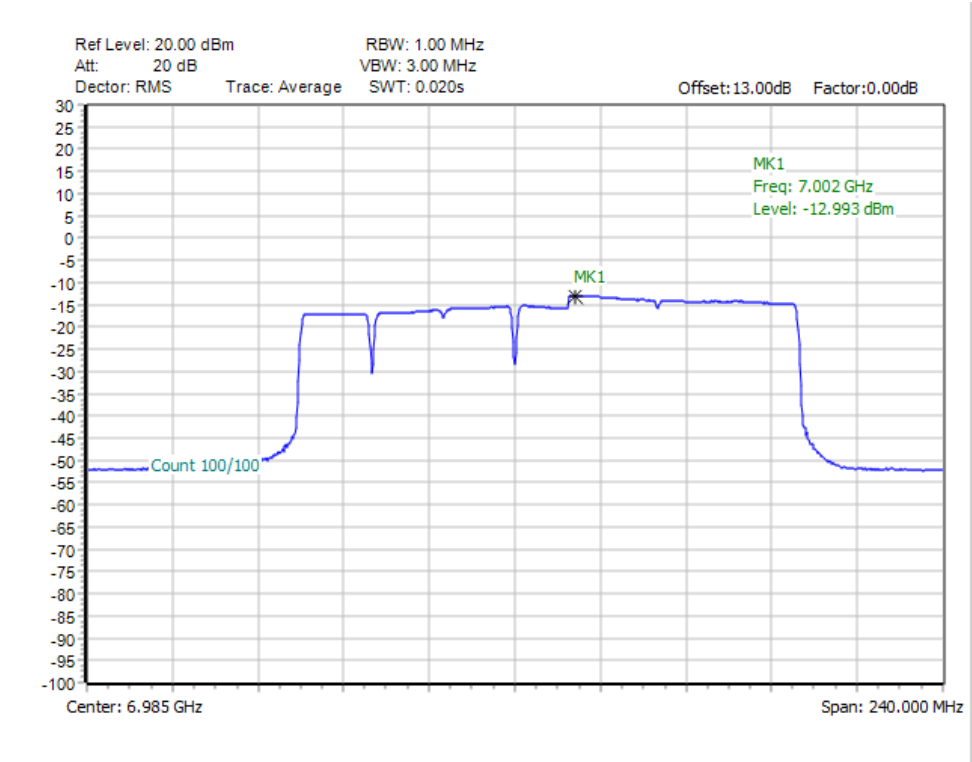
11BE160MIMO_Ant15_6985_Large RU 996+484_1



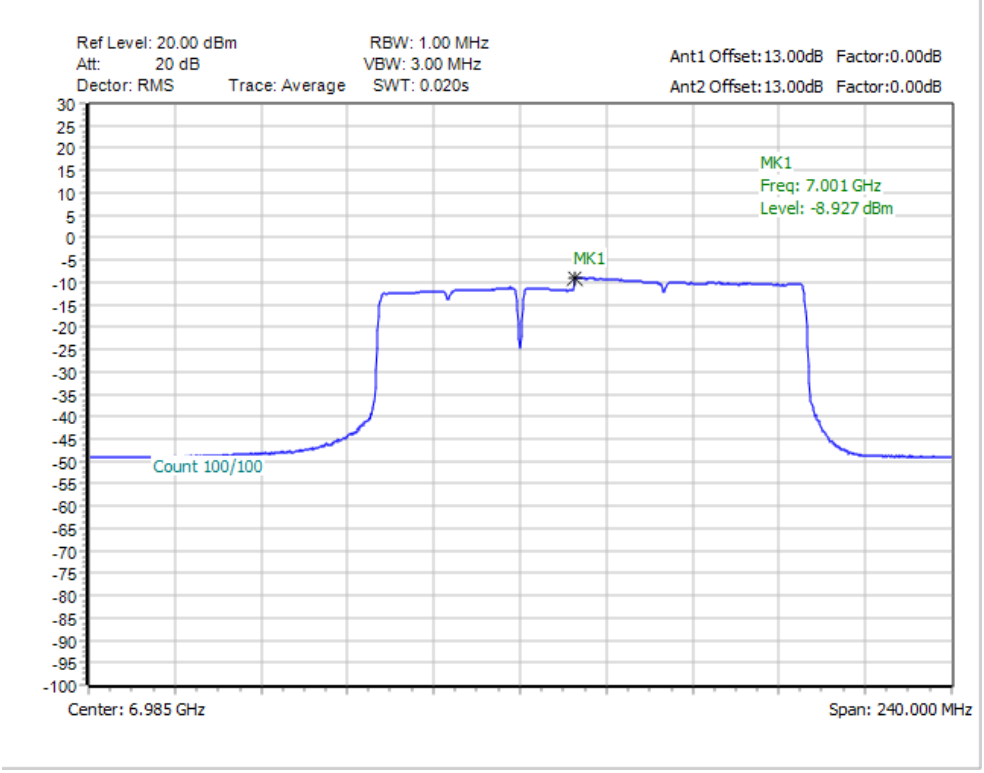
11BE160MIMO_Ant15_6985_Puncturing 40M_1



11BE160MIMO_Ant15_6985_Puncturing 20M_1



11BE160MIMO_ total _6985_Large RU 996+484_1



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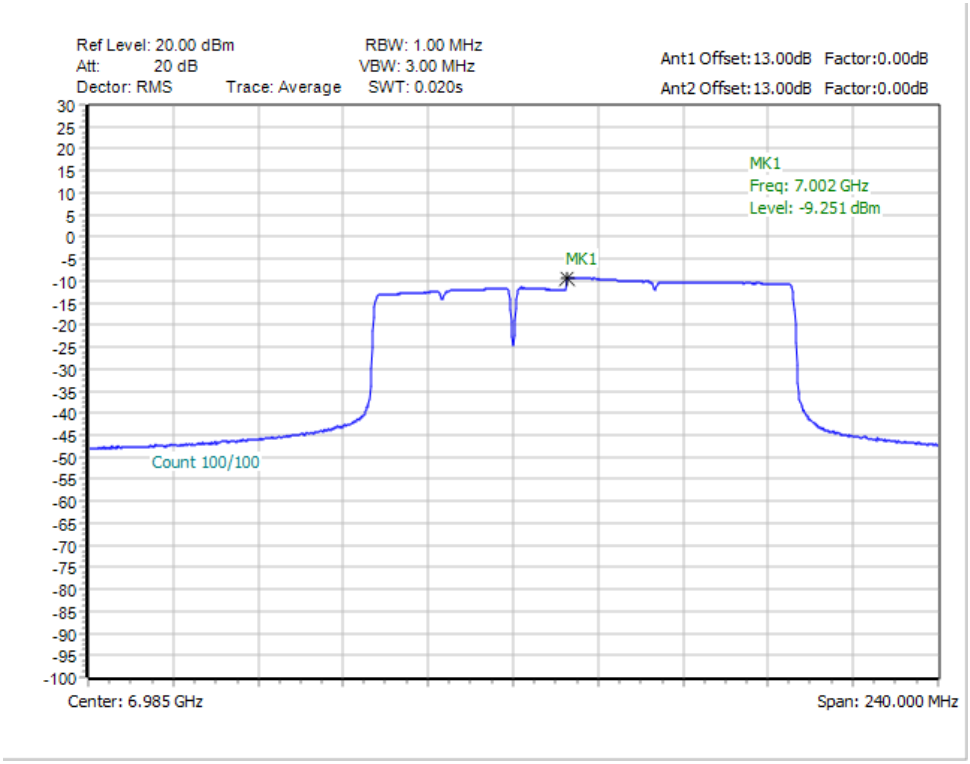
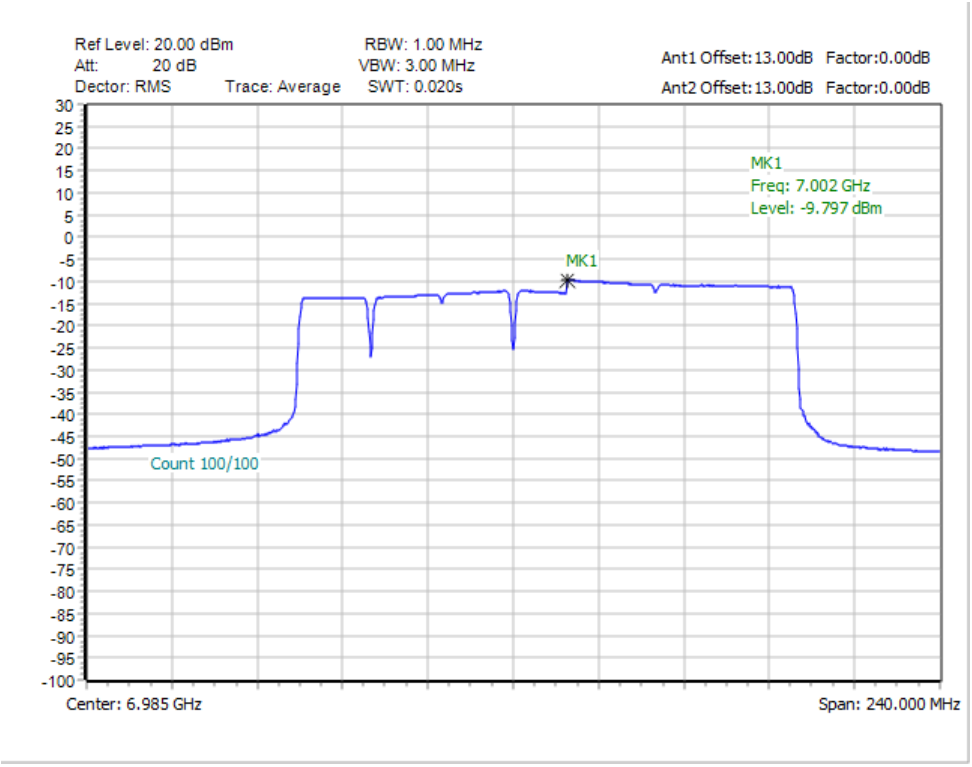
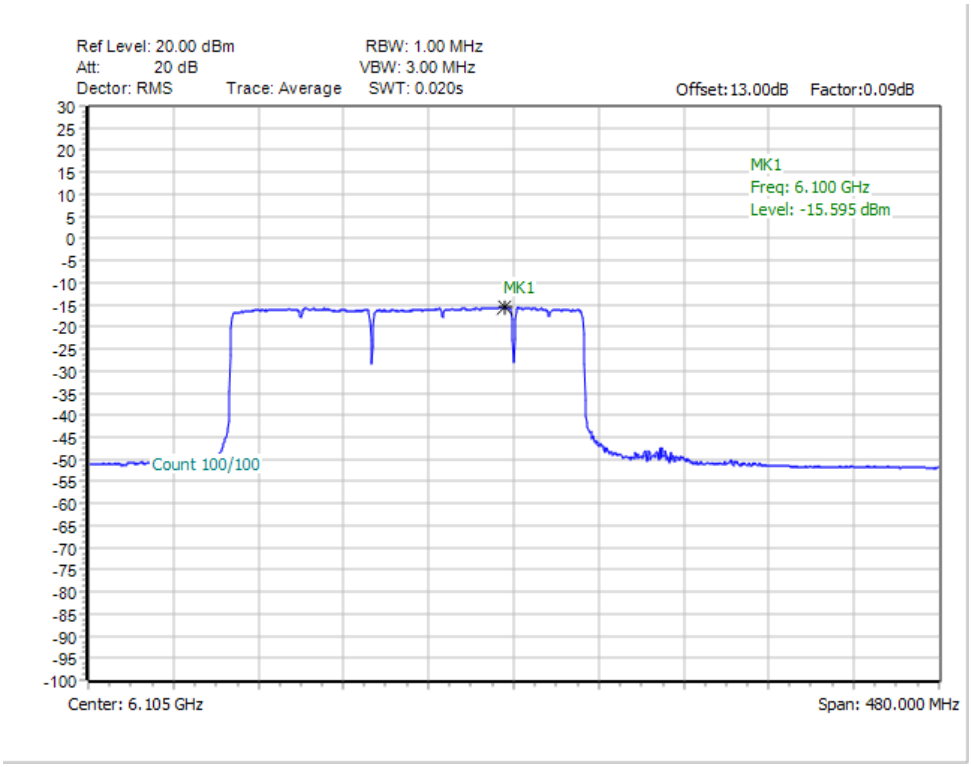


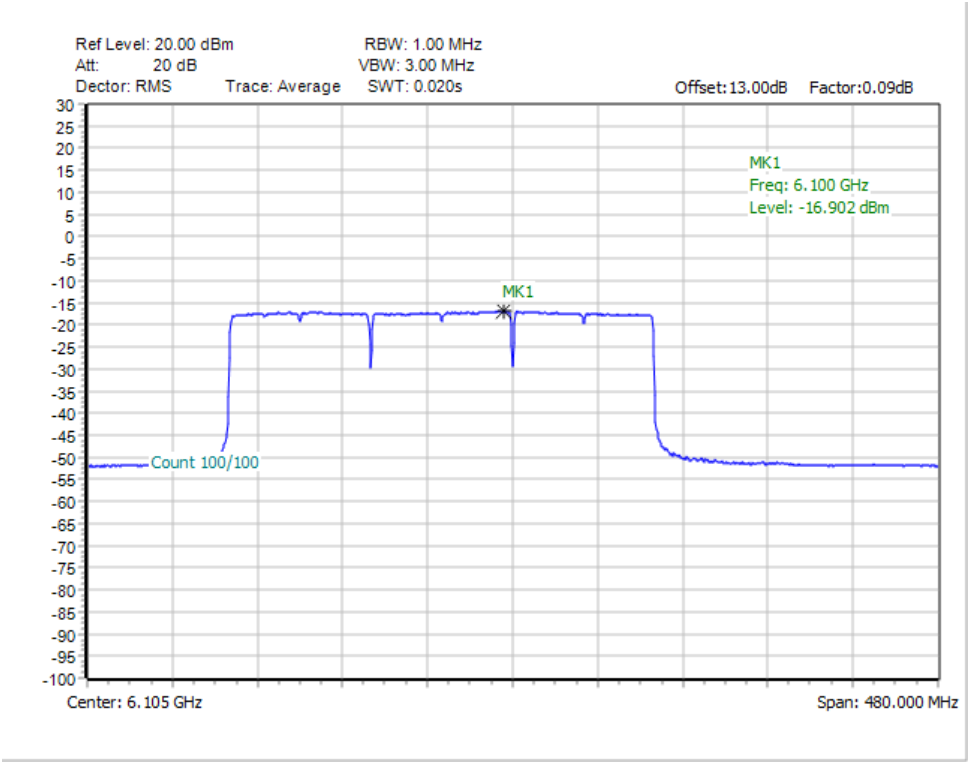
11BE160MIMO_ total _6985_Puncturing 20M_1



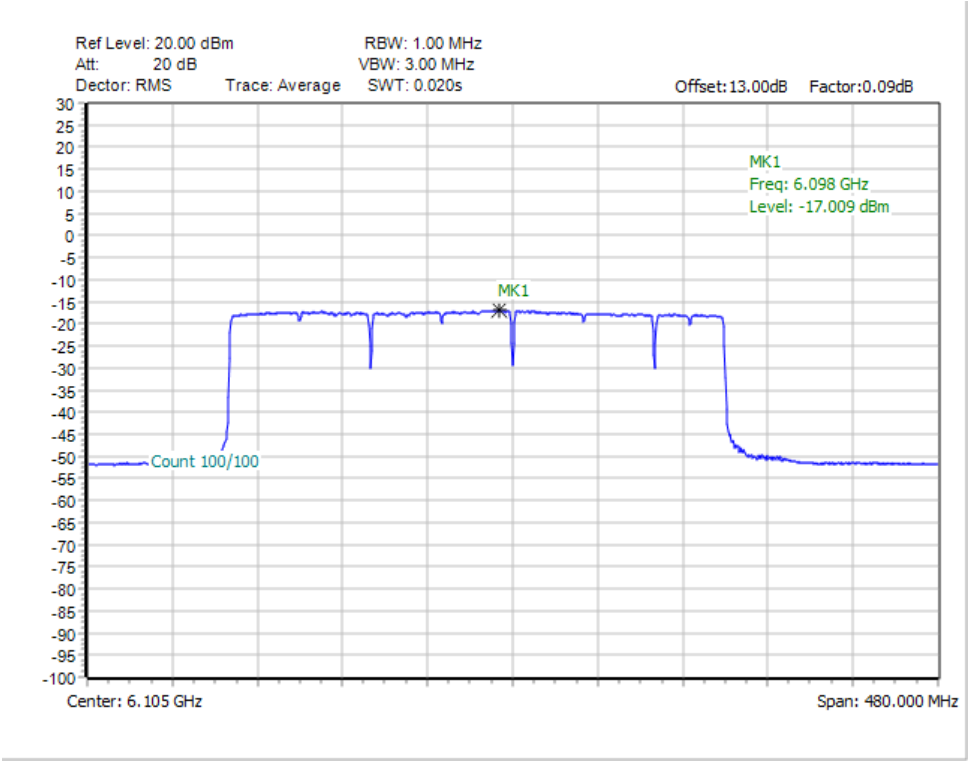
11BE320MIMO_Ant9_6105_Large RU 996*2+484_6



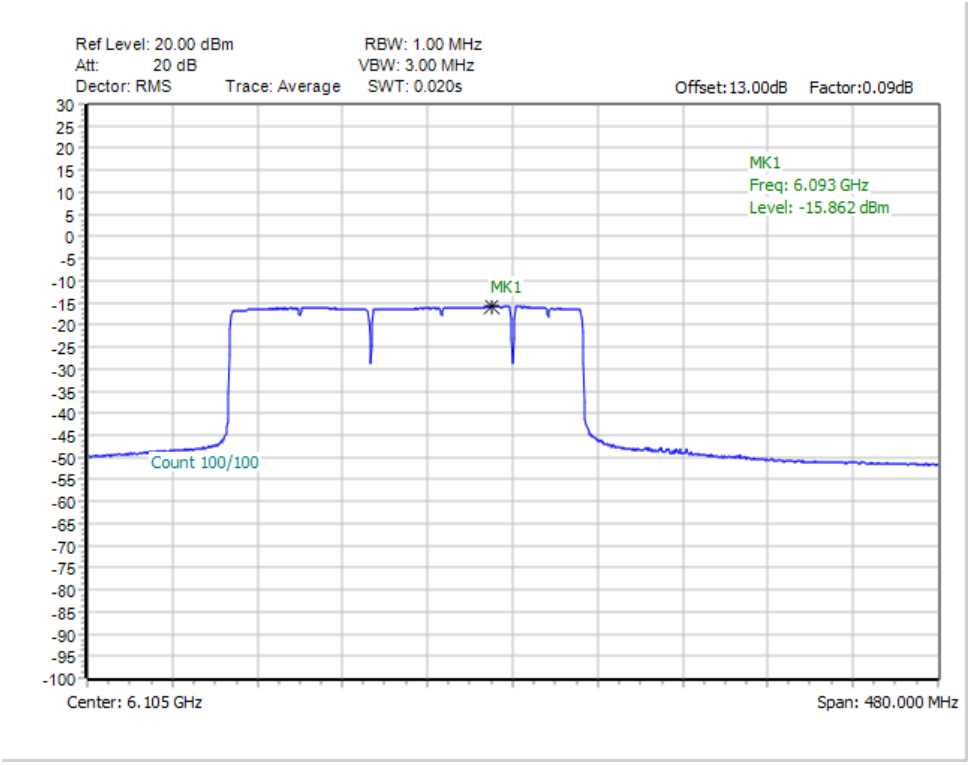
11BE320MIMO_Ant9_6105_Large RU 996*3 _4



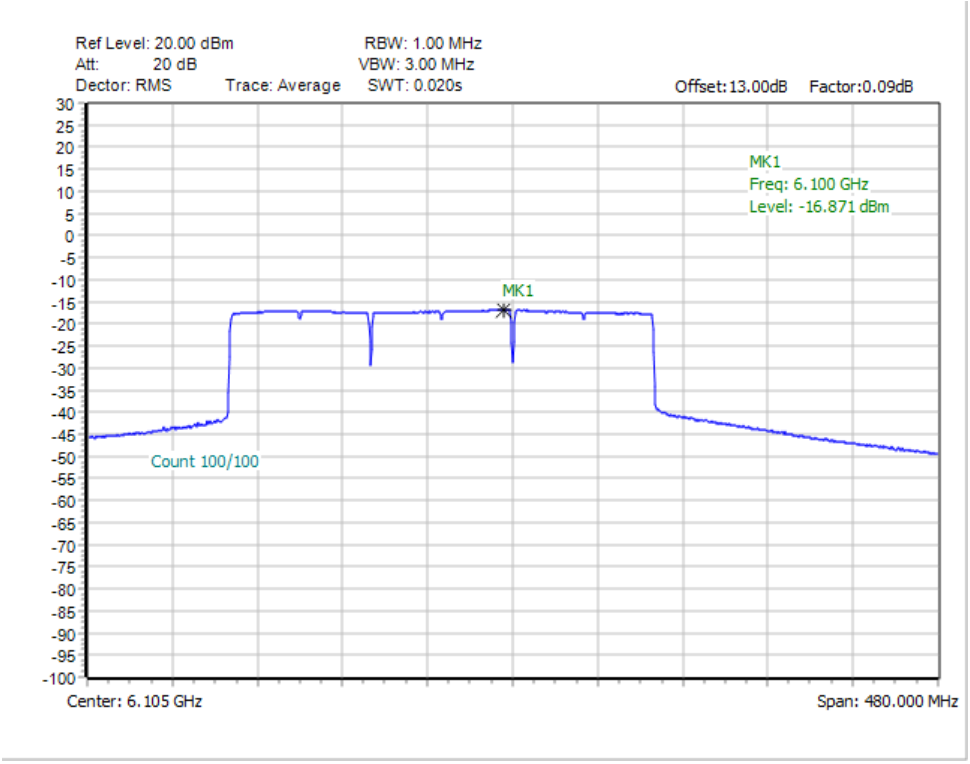
11BE320MIMO_Ant9_6105_Large RU 996*3+484_8



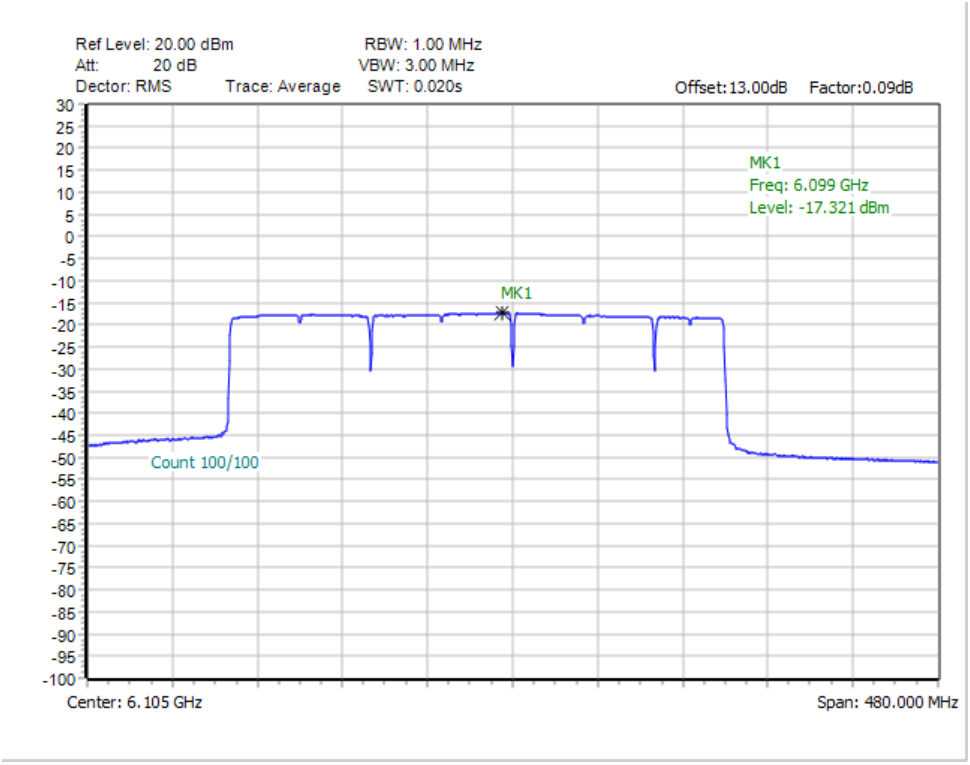
11BE320MIMO_Ant9_6105_Puncturing 80M+40M_6



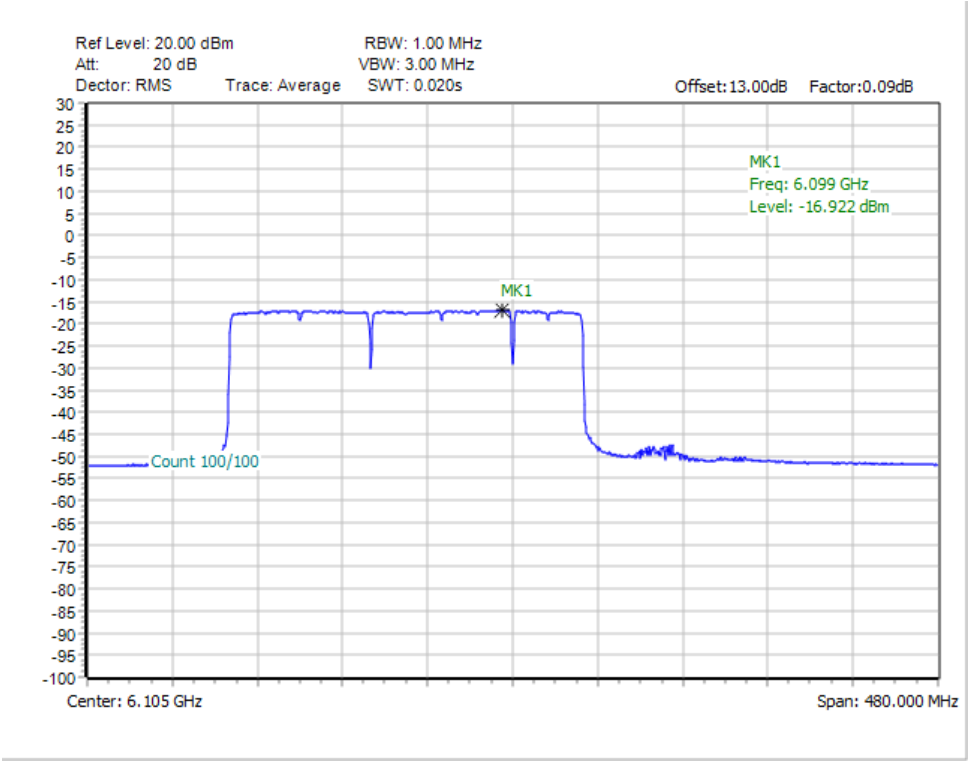
11BE320MIMO_Ant9_6105_Puncturing 80M_4



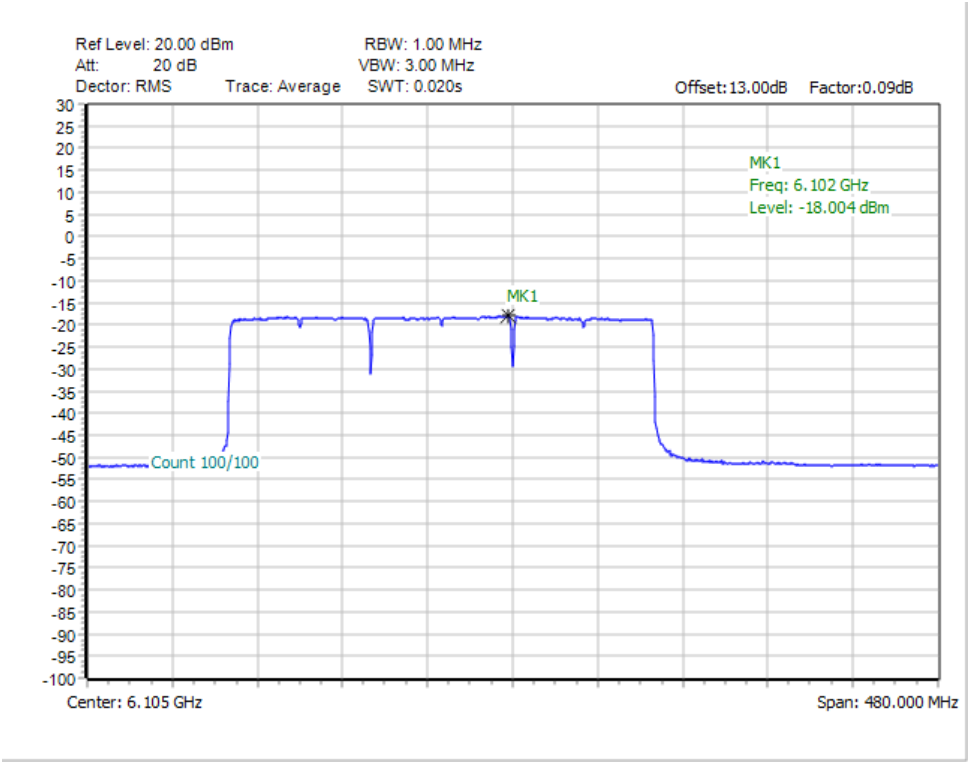
11BE320MIMO_Ant9_6105_Puncturing 40M_8



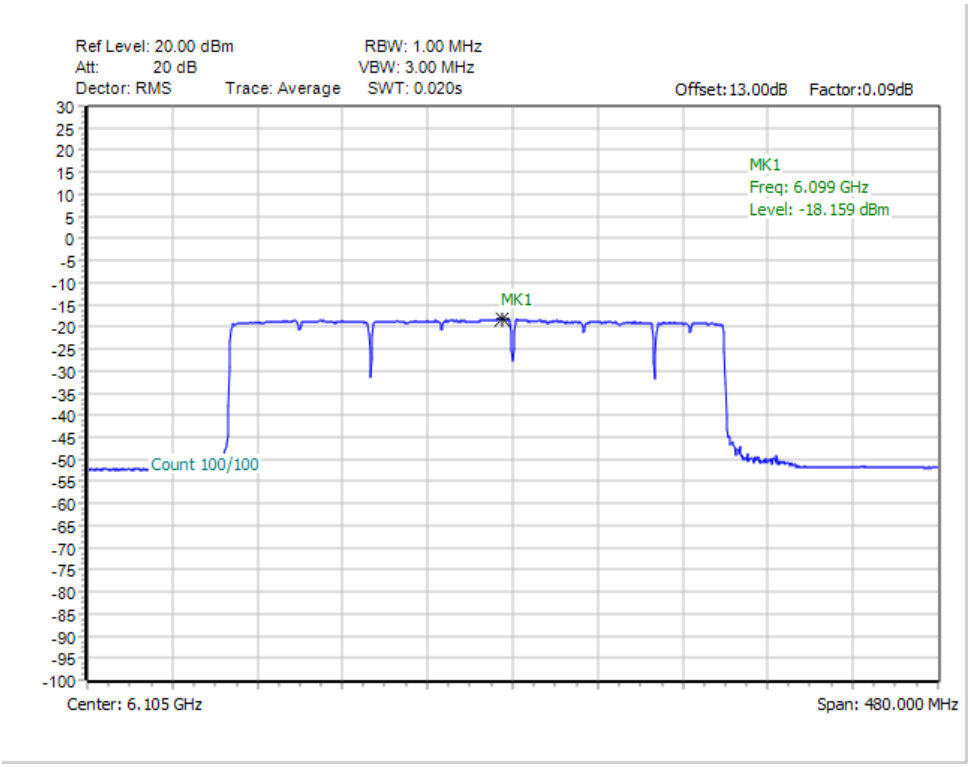
11BE320MIMO_Ant15_6105_Large RU 996*2+484_6



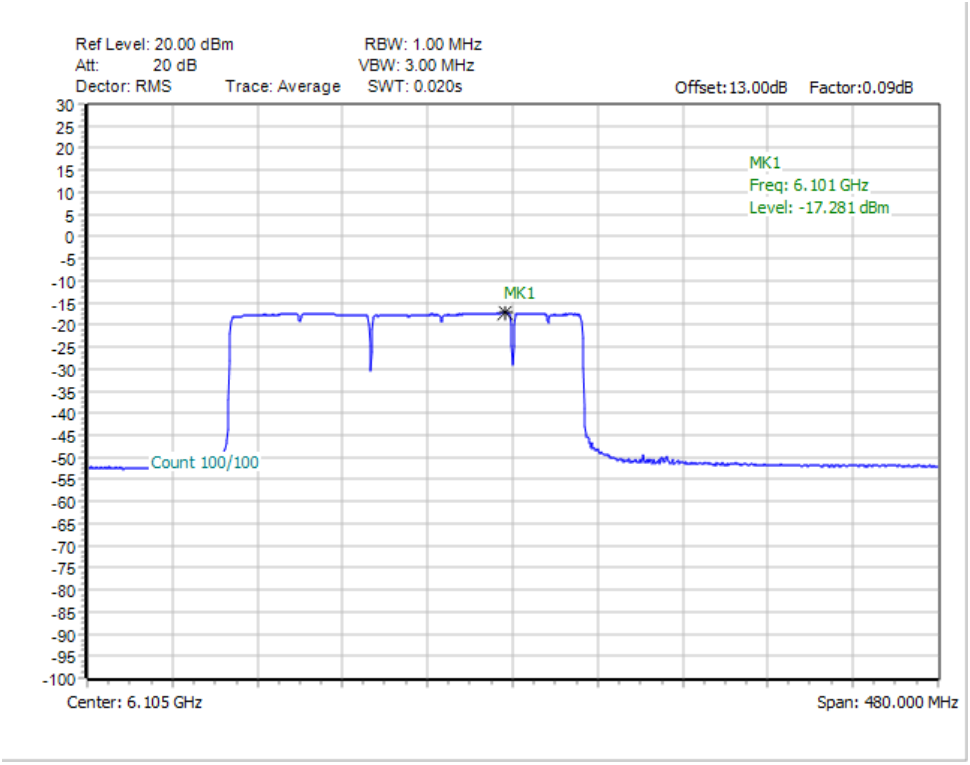
11BE320MIMO_Ant15_6105_Large RU 996*3 _4



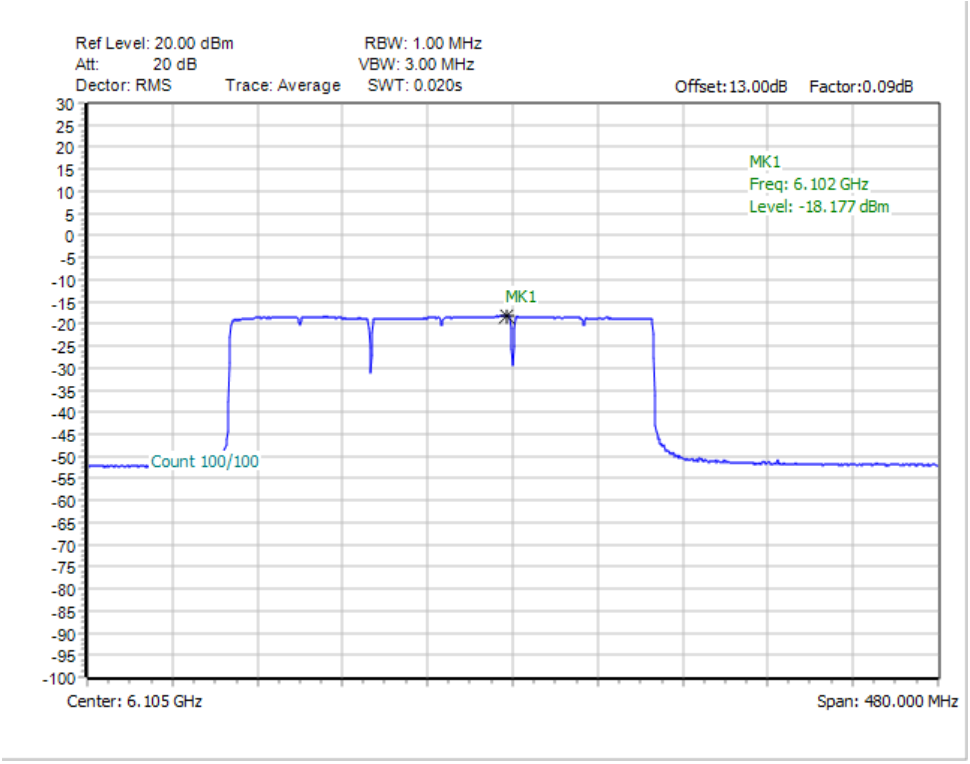
11BE320MIMO_Ant15_6105_Large RU 996*3+484_8



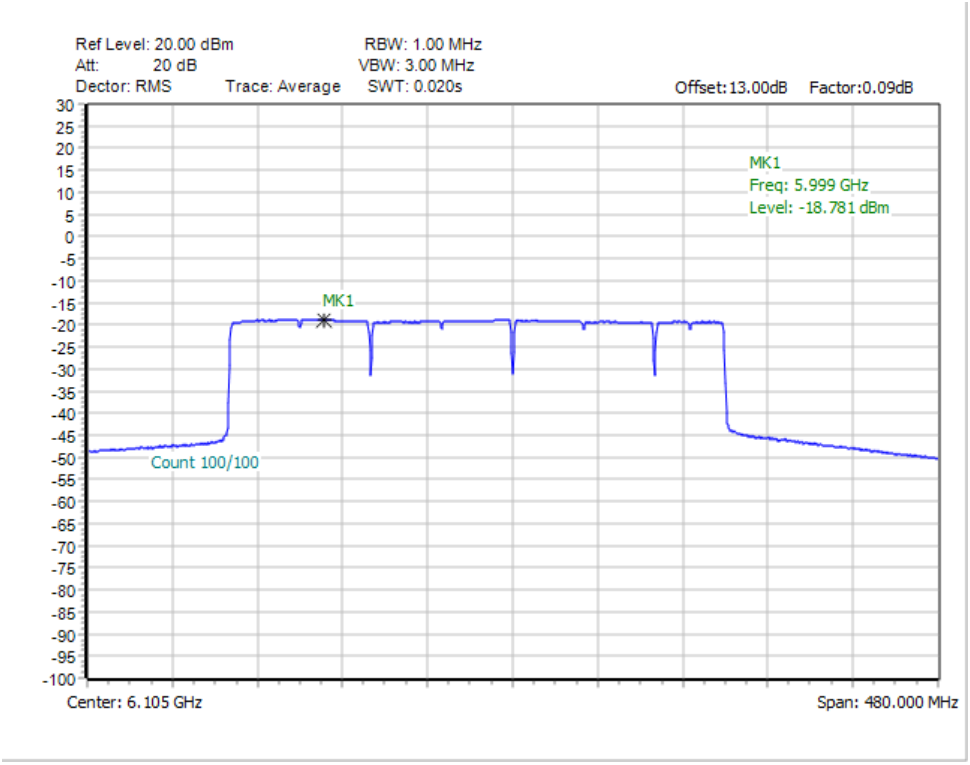
11BE320MIMO_Ant15_6105_Puncturing 80M+40M_6



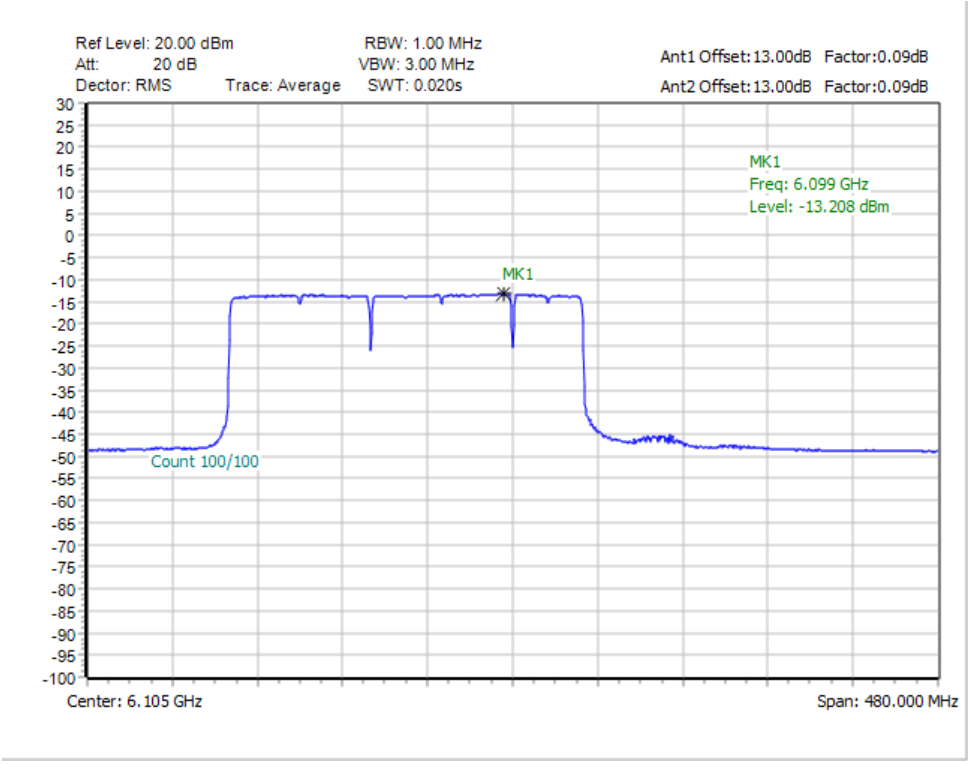
11BE320MIMO_Ant15_6105_Puncturing 80M_4



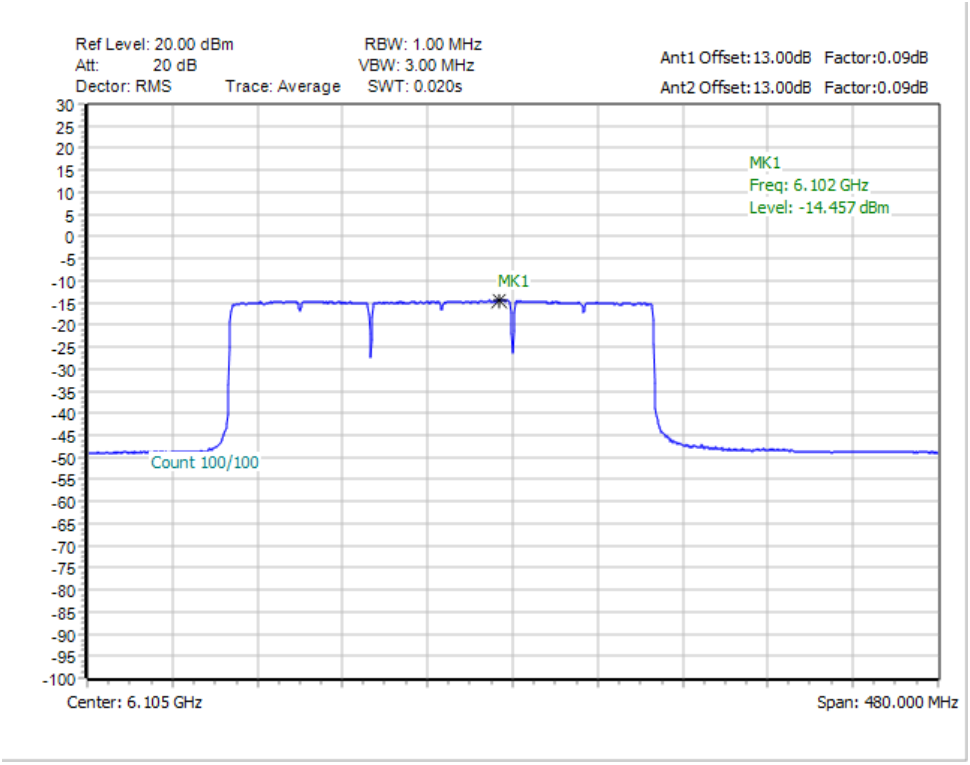
11BE320MIMO_Ant15_6105_Puncturing 40M_8



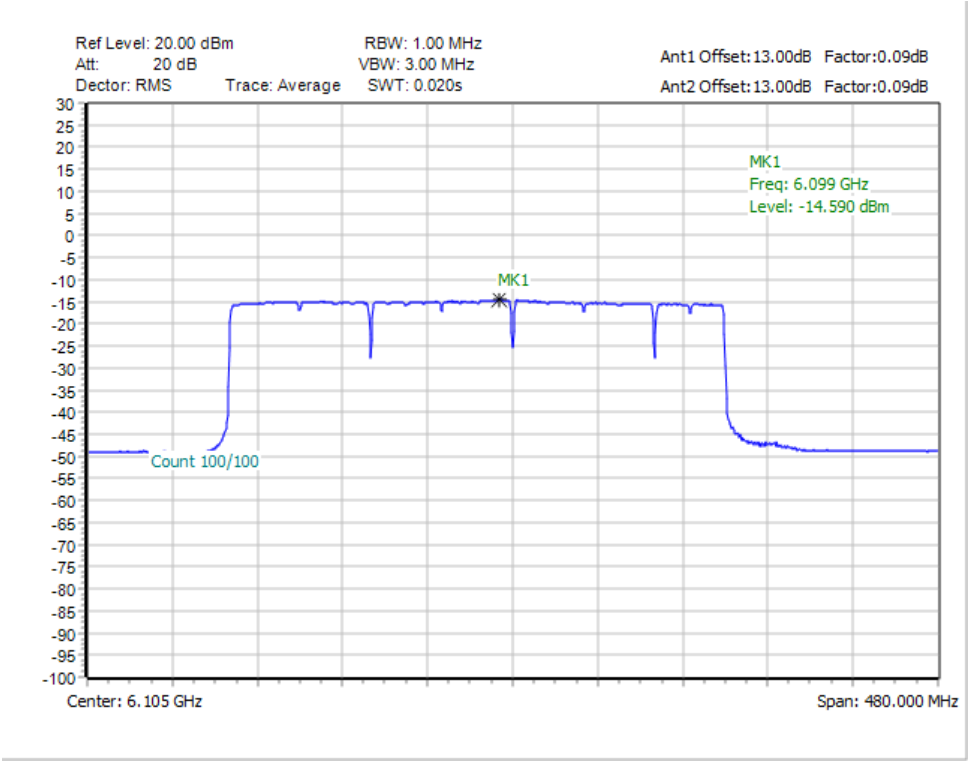
11BE320MIMO_ total _6105_Large RU 996*2+484_6



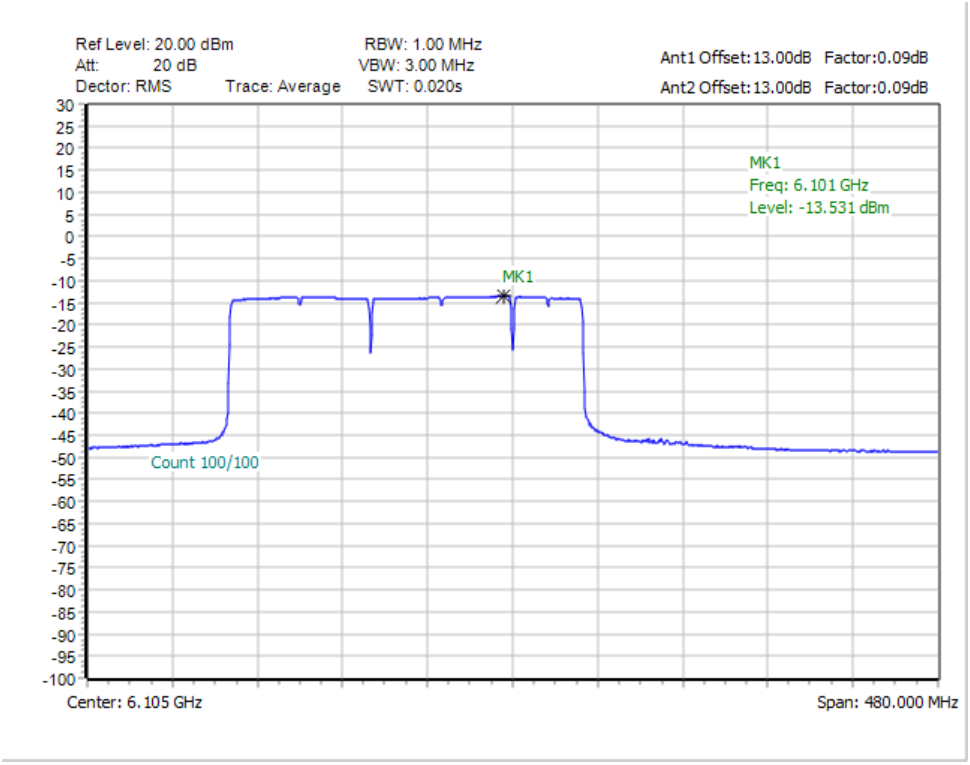
11BE320MIMO_ total _6105_Large RU 996*3 _4



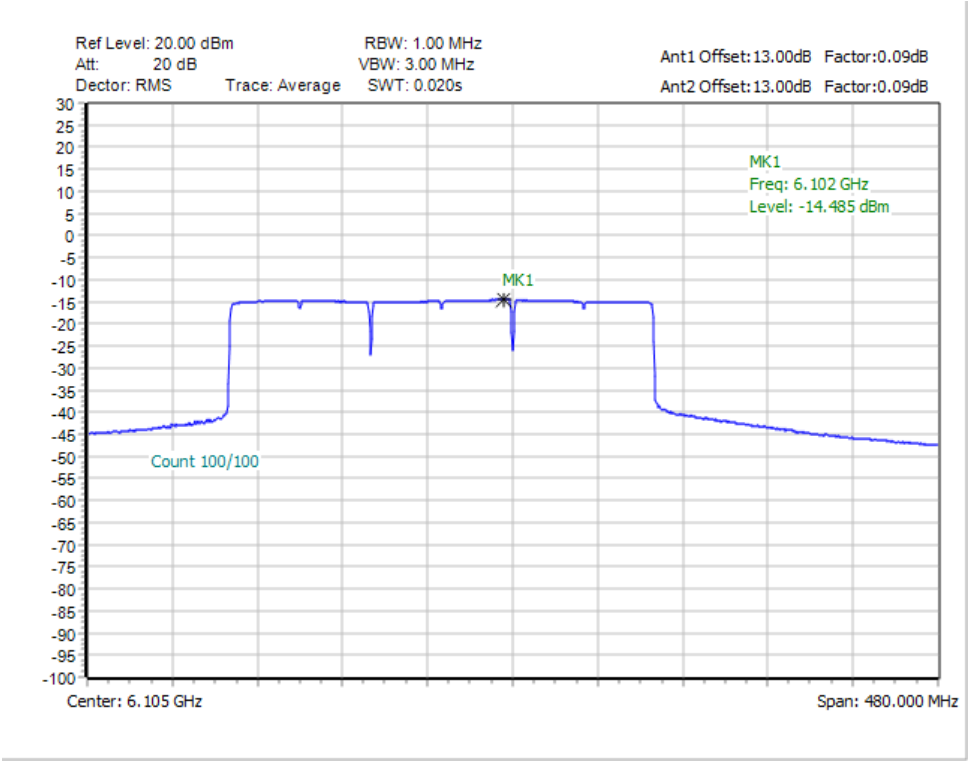
11BE320MIMO_ total _6105_Large RU 996*3+484_8



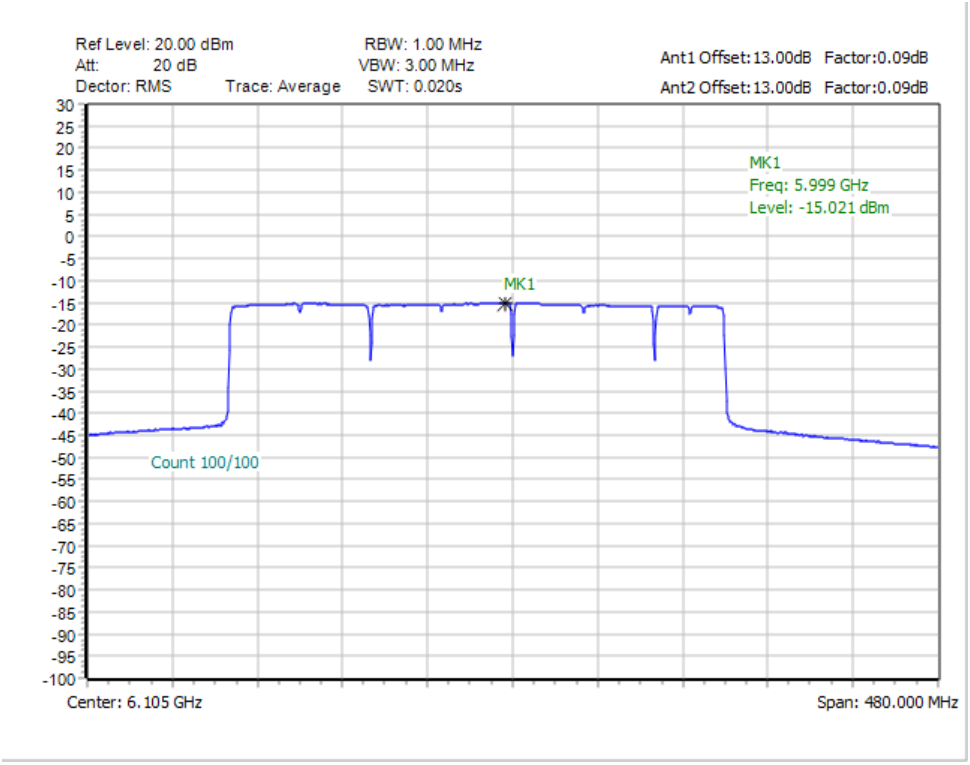
11BE320MIMO_ total _6105_Puncturing 80M+40M_6



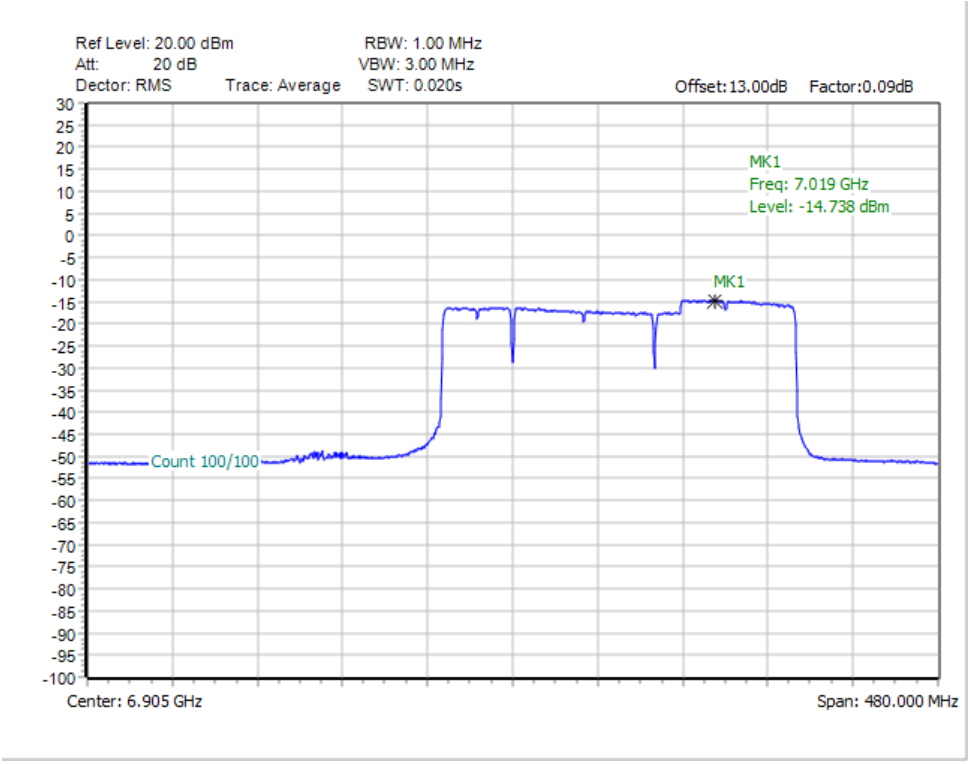
11BE320MIMO_ total _6105_Puncturing 80M_4



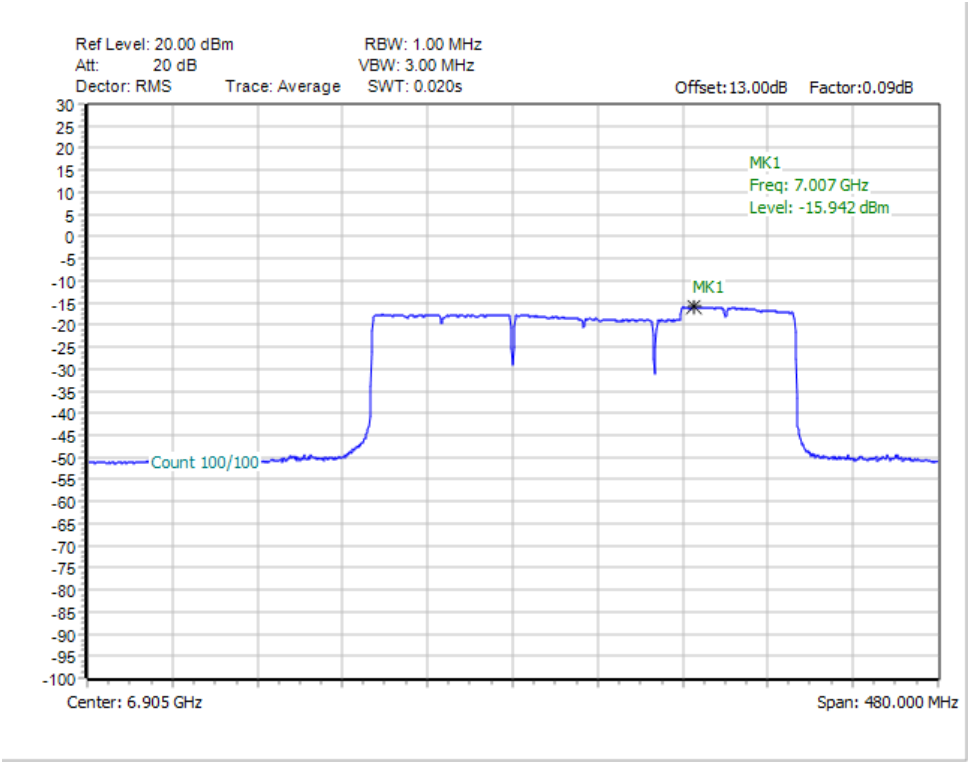
11BE320MIMO_ total _6105_Puncturing 40M_8



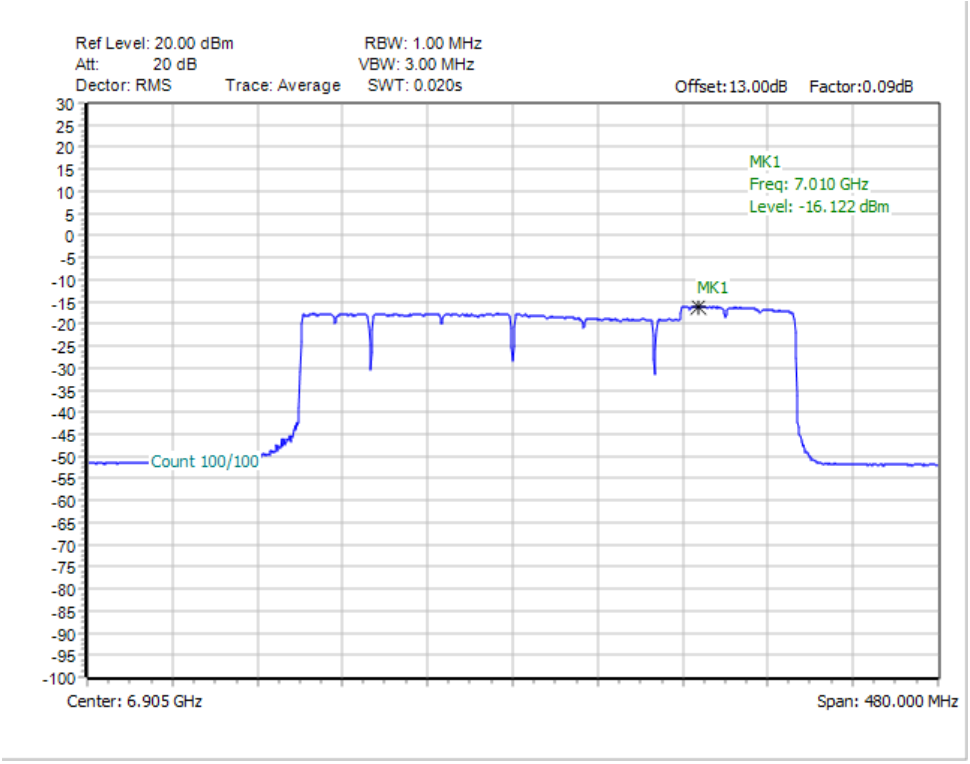
11BE320MIMO_Ant9_6905_Large RU 996*2+484_7



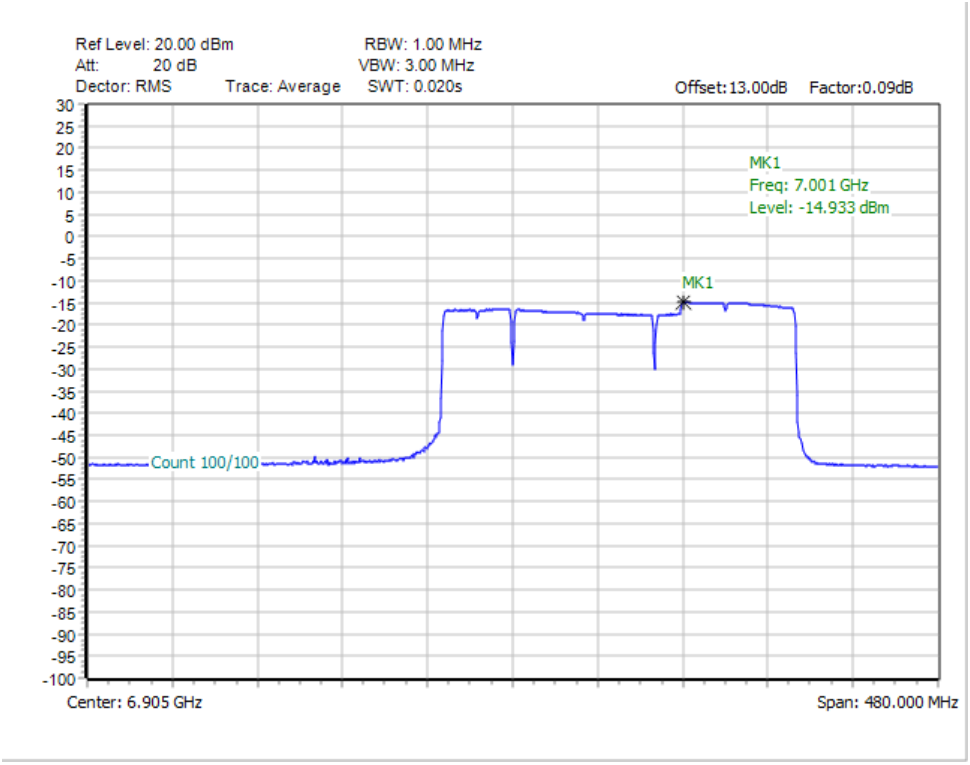
11BE320MIMO_Ant9_6905_Large RU 996*3 _1



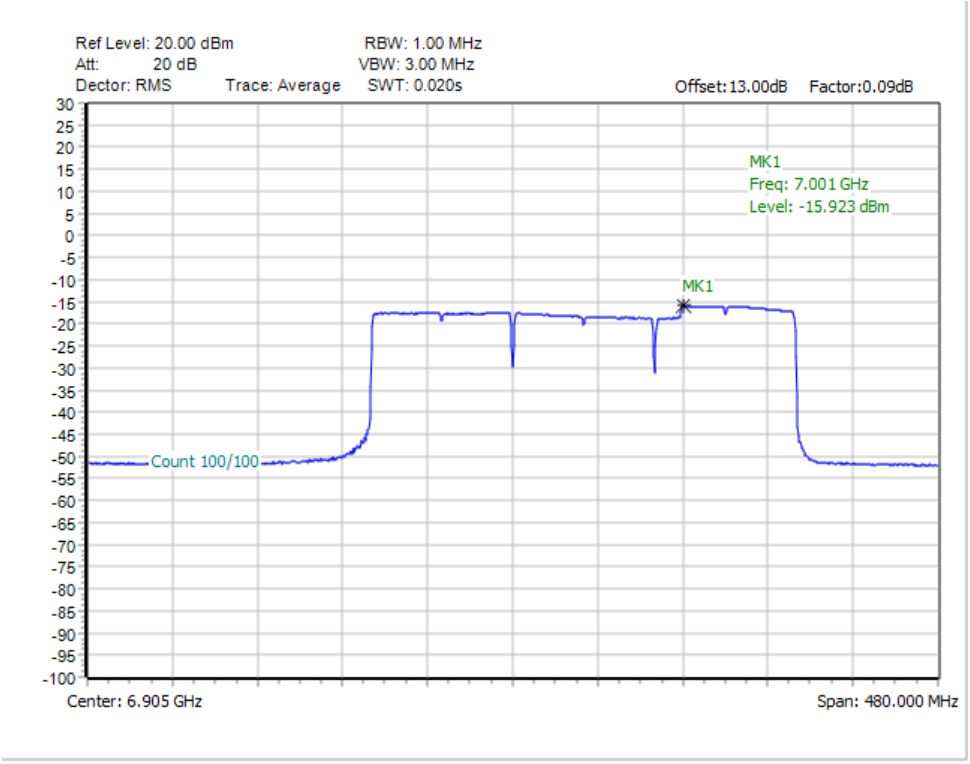
11BE320MIMO_Ant9_6905_Large RU 996*3+484_1



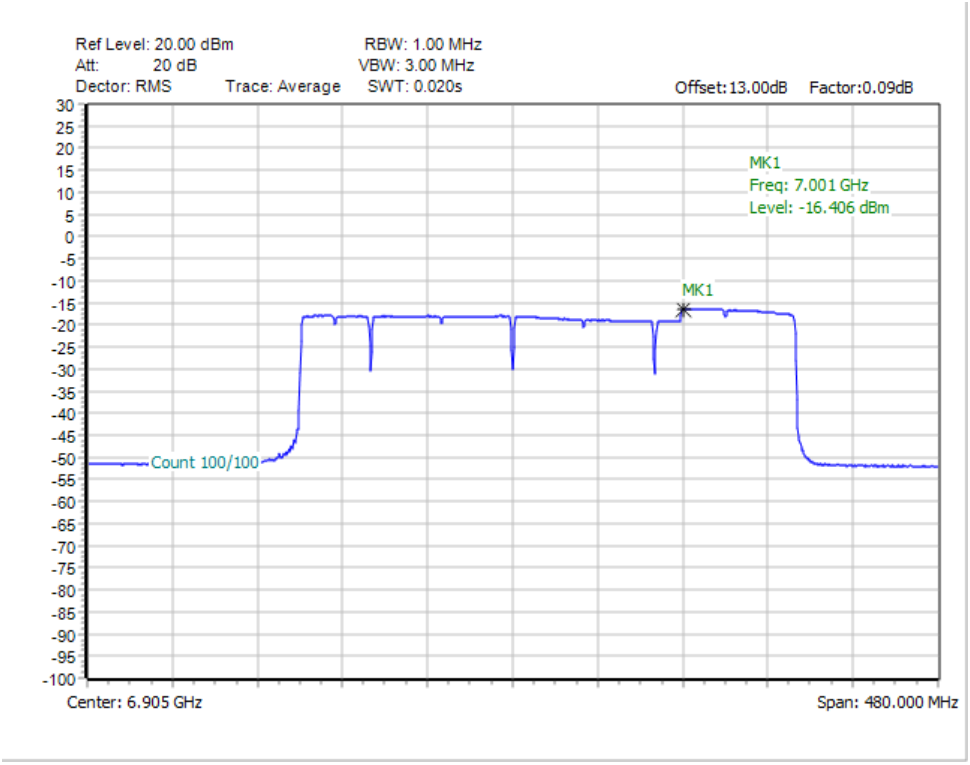
11BE320MIMO_Ant9_6905_Puncturing 80M+40M_7



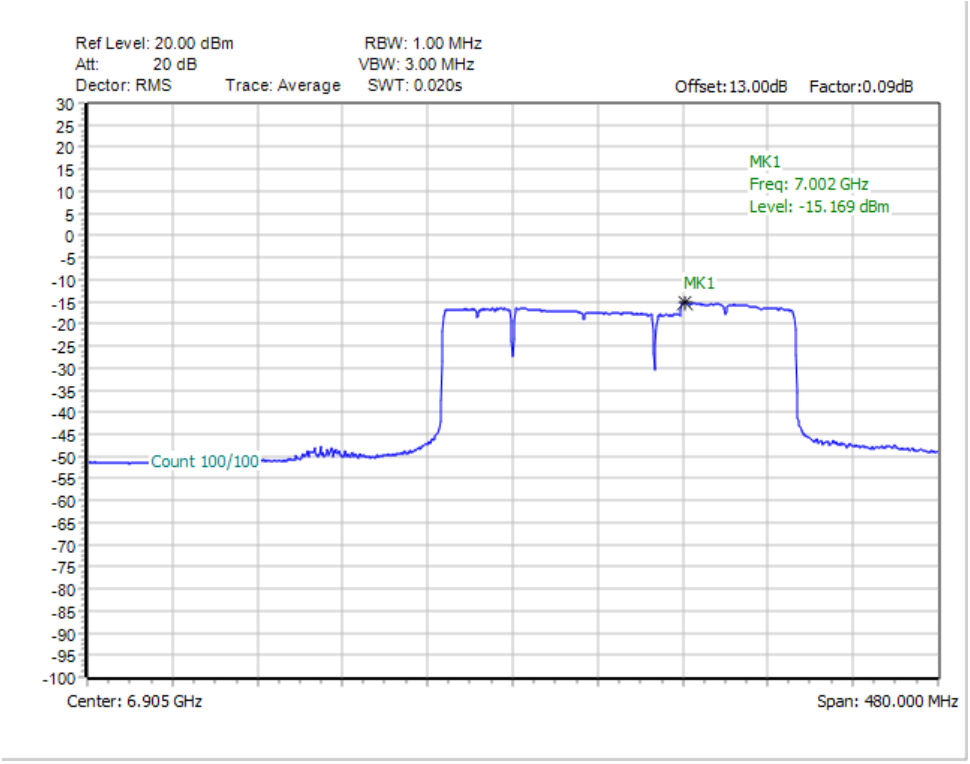
11BE320MIMO_Ant9_6905_Puncturing 80M_1



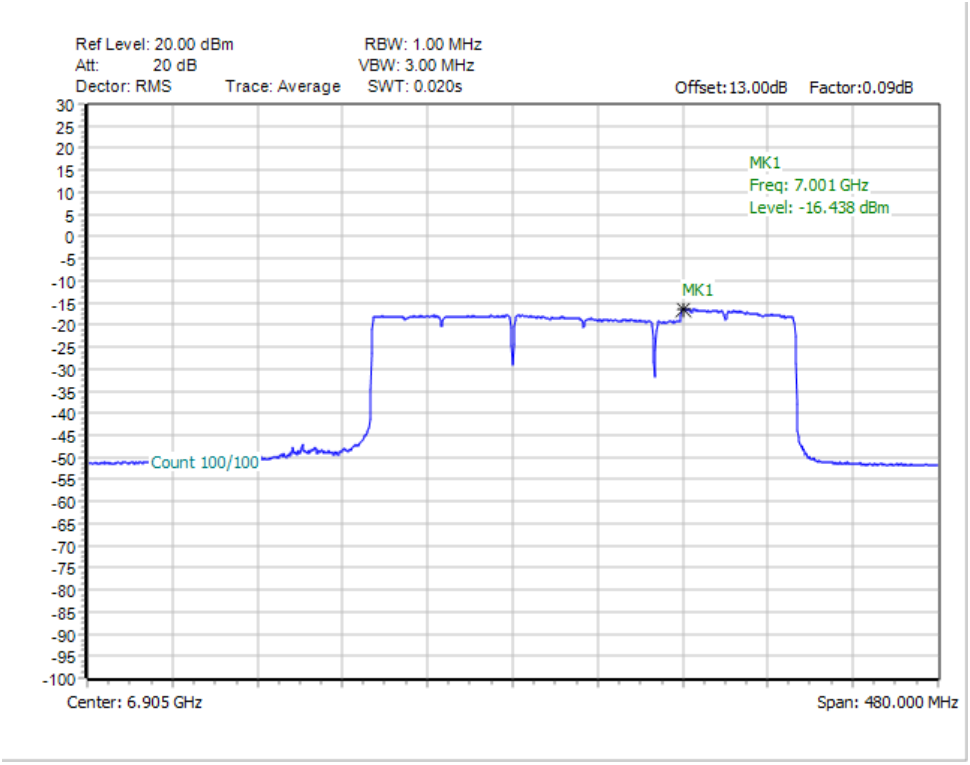
11BE320MIMO_Ant9_6905_Puncturing 40M_1



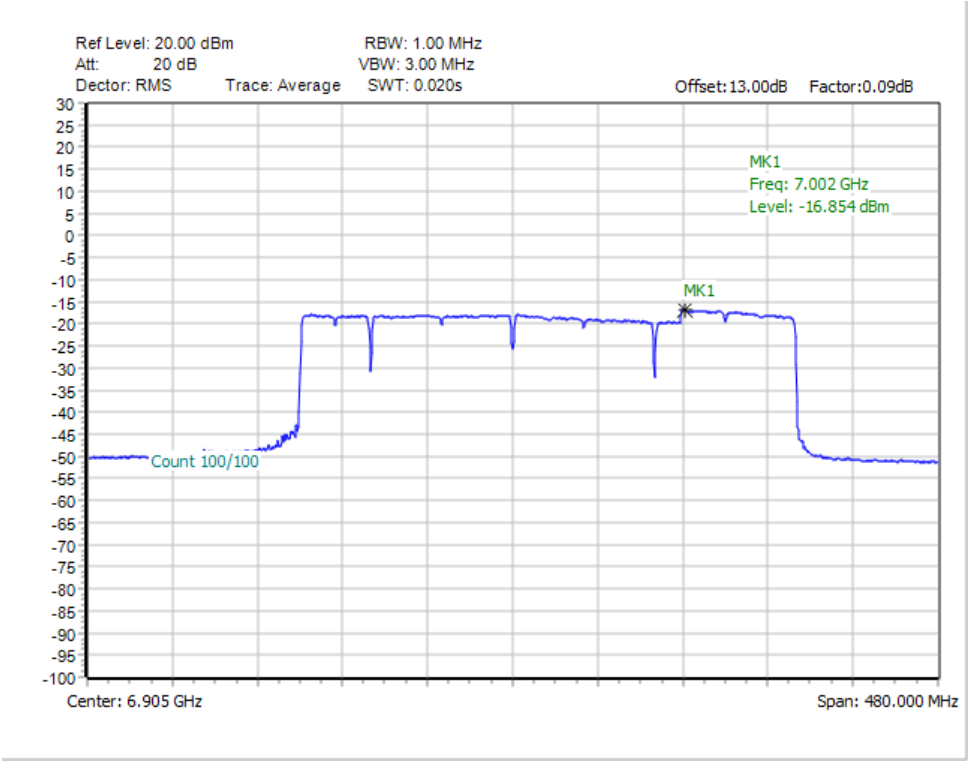
11BE320MIMO_Ant15_6905_Large RU 996*2+484_7



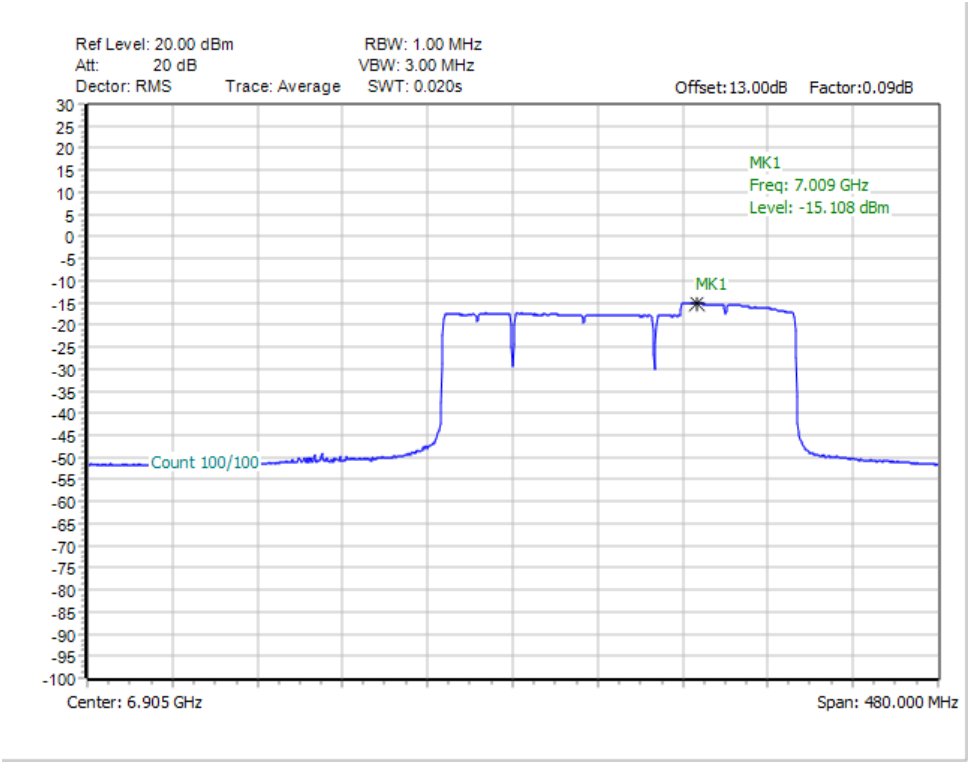
11BE320MIMO_Ant15_6905_Large RU 996*3 _1



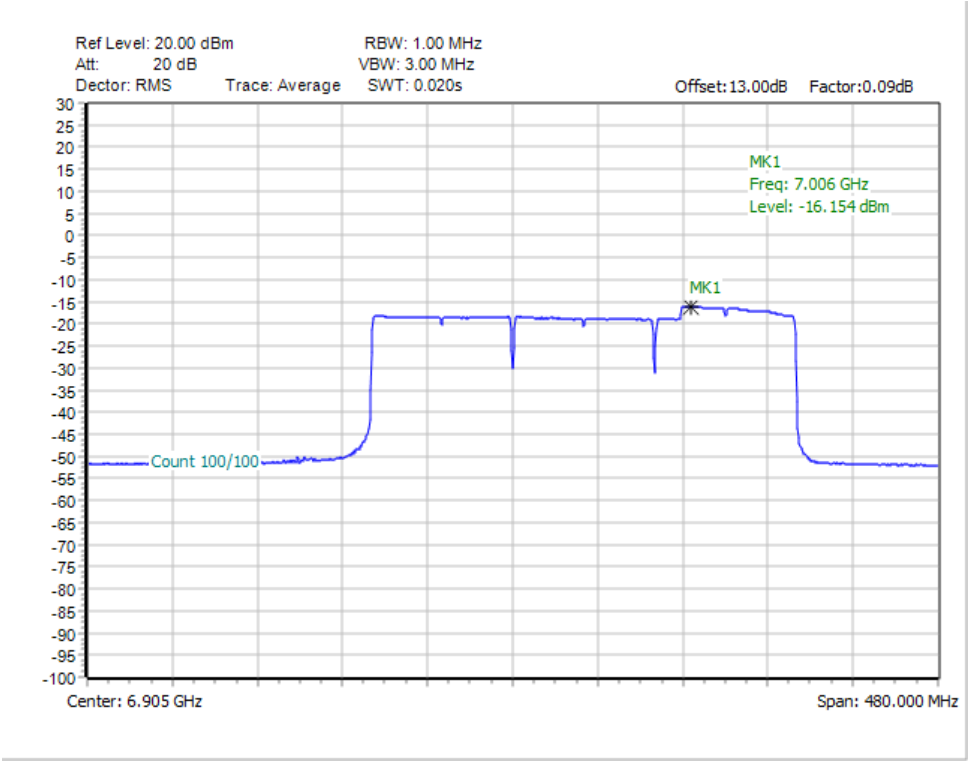
11BE320MIMO_Ant15_6905_Large RU 996*3+484_1



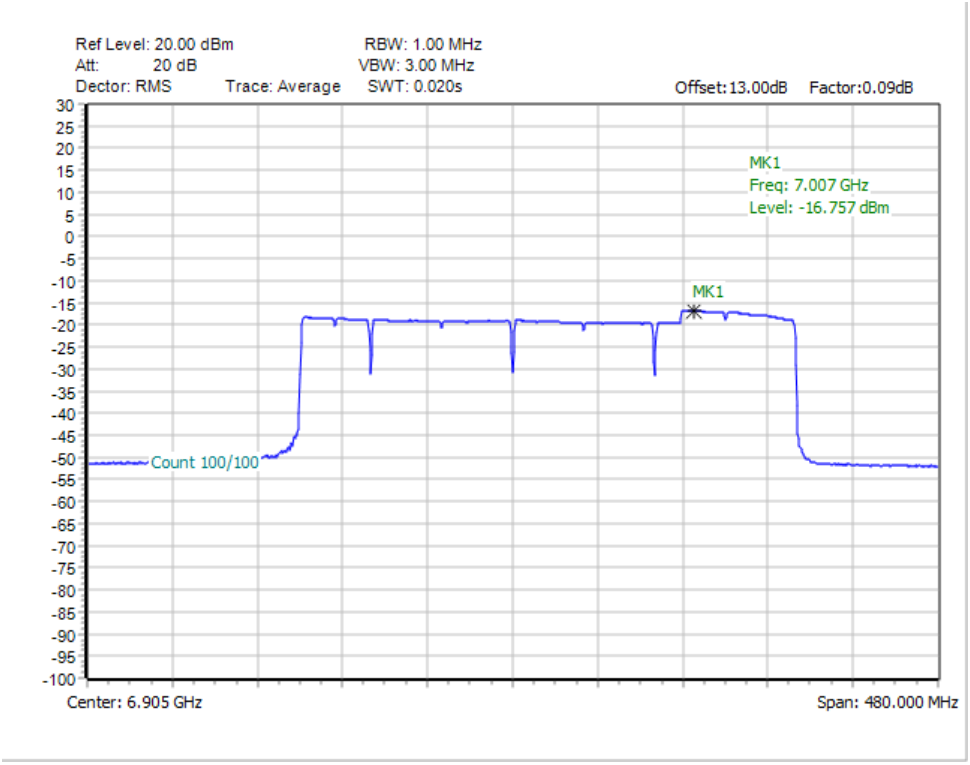
11BE320MIMO_Ant15_6905_Puncturing 80M+40M_7



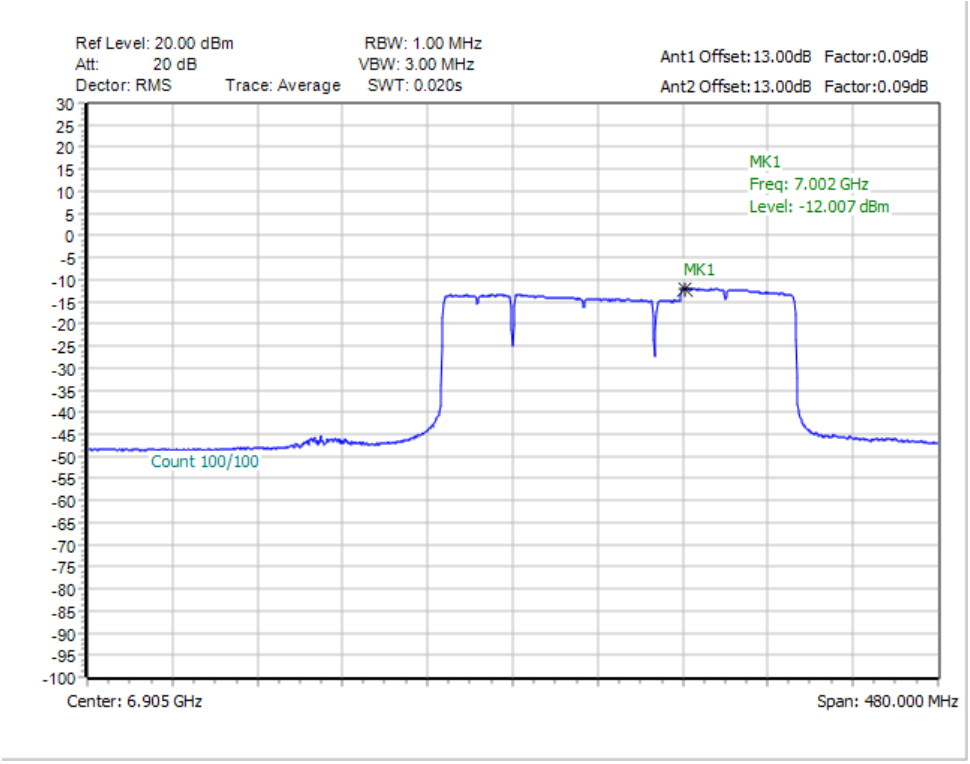
11BE320MIMO_Ant15_6905_Puncturing 80M_1



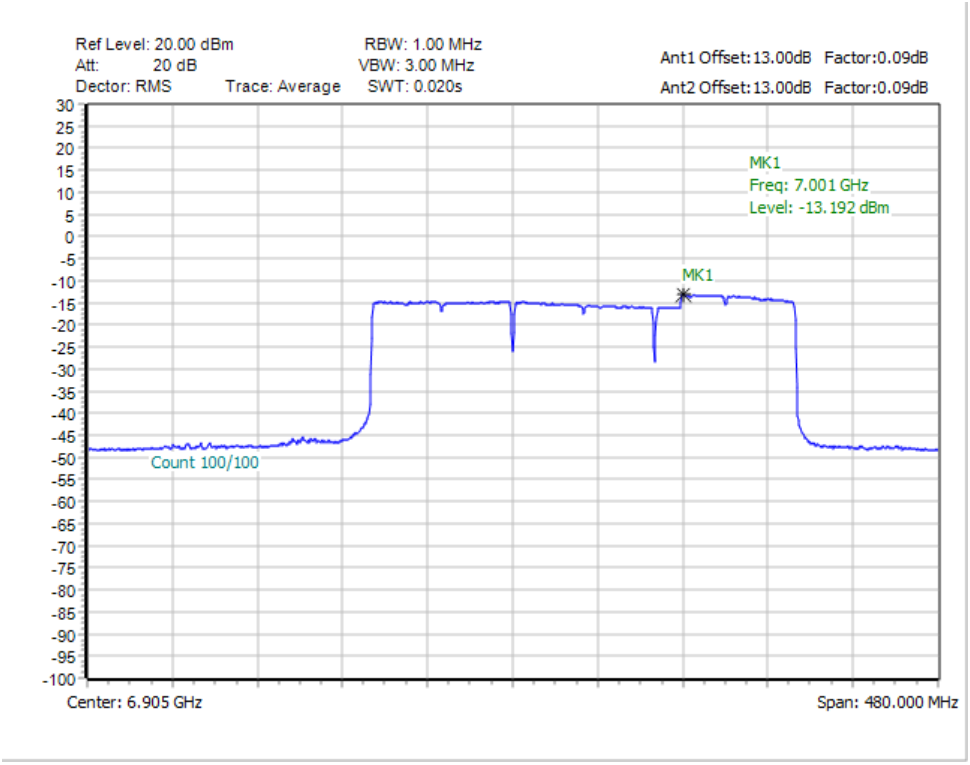
11BE320MIMO_Ant15_6905_Puncturing 40M_1



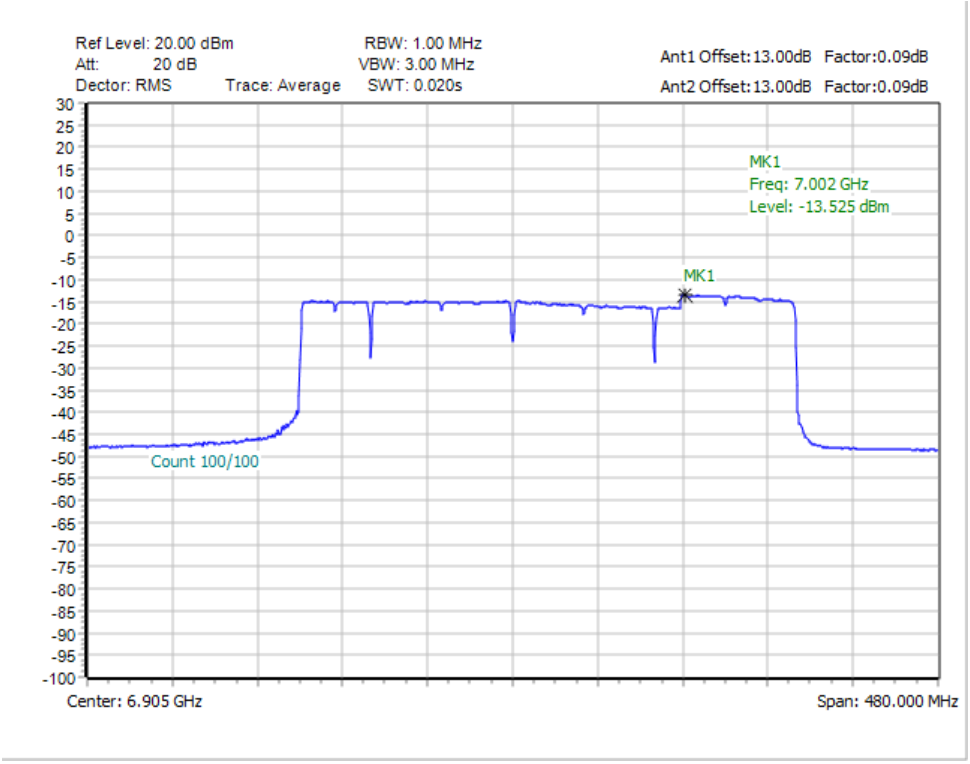
11BE320MIMO_ total _6905_Large RU 996*2+484_7



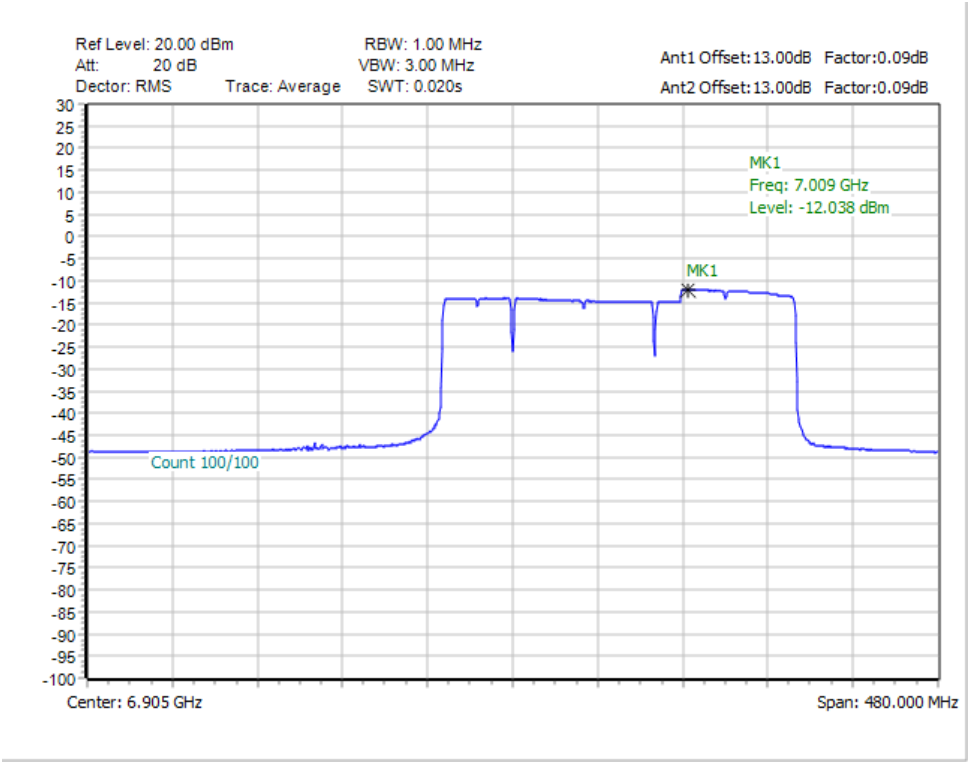
11BE320MIMO_ total _6905_Large RU 996*3 _1



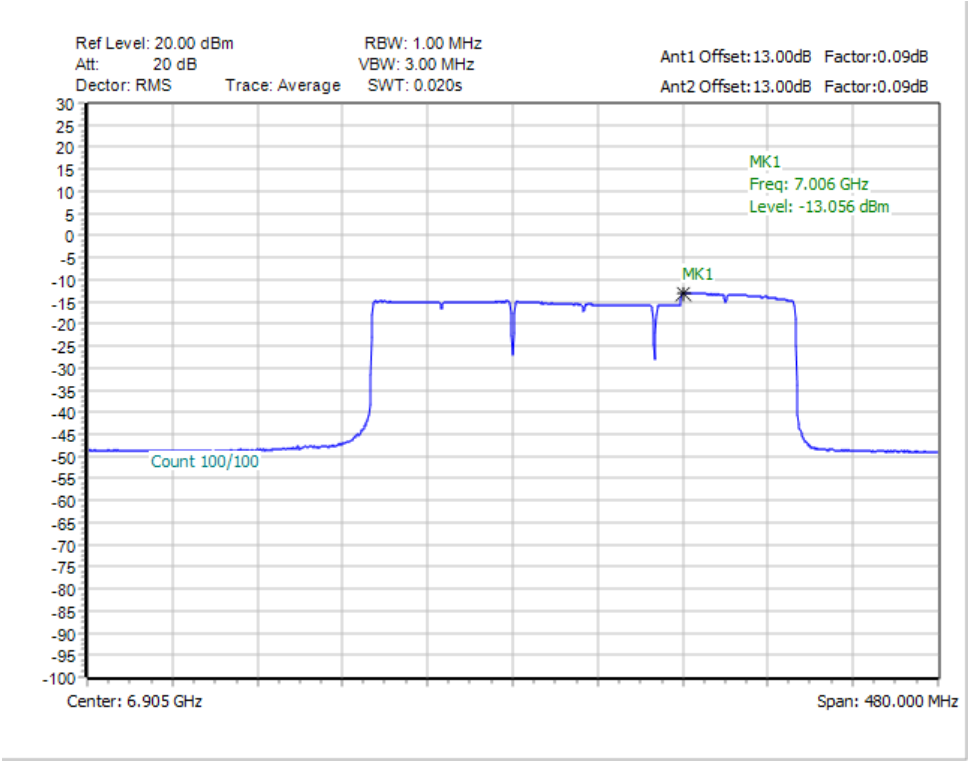
11BE320MIMO_ total _6905_Large RU 996*3+484_1



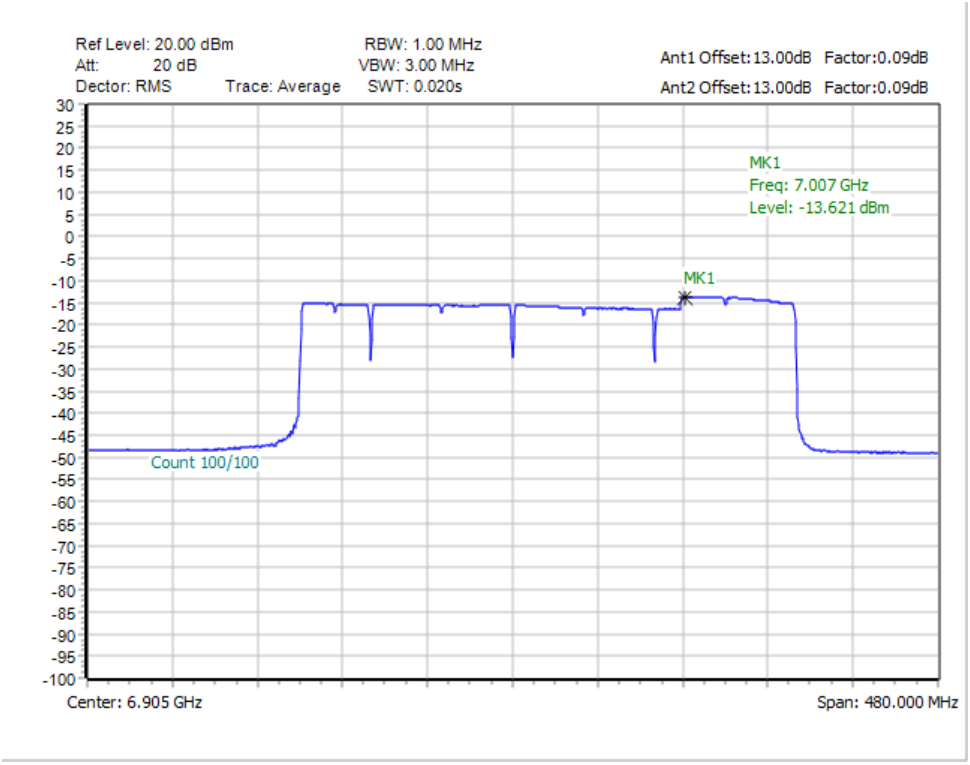
11BE320MIMO_ total _6905_Puncturing 80M+40M_7



11BE320MIMO_ total _6905_Puncturing 80M_1



11BE320MIMO_ total _6905_Puncturing 40M_1



In-Band Emissions

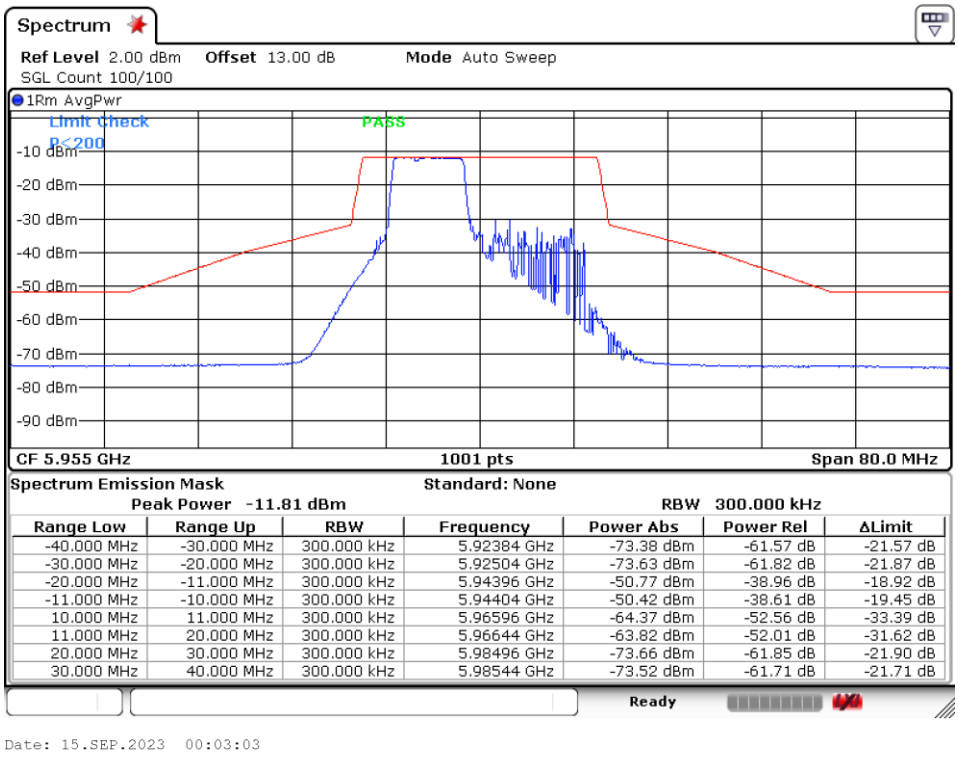
Test Result

TestMode	Antenna	Channel	MRU Size	MRU Index	Result	Limit	Verdict
11BE20MIMO	Ant9	5955	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant15	5955	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant9	6435	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant15	6435	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant9	6535	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant15	6535	52+26_OFDMA	1	See test graph	See test graph	PASS
			106+26_OFDMA	1	See test graph	See test graph	PASS
	Ant9	7095	52+26_OFDMA	3	See test graph	See test graph	PASS
			106+26_OFDMA	2	See test graph	See test graph	PASS
	Ant15	7095	52+26_OFDMA	3	See test graph	See test graph	PASS
			106+26_OFDMA	2	See test graph	See test graph	PASS
11BE80MIMO	Ant9	5985	Large RU 484+242	4	See test graph	See test graph	PASS
			Puncturing 20M	4	See test graph	See test graph	PASS
	Ant15	5985	Large RU 484+242	4	See test graph	See test graph	PASS
			Puncturing 20M	4	See test graph	See test graph	PASS
	Ant9	7025	Large RU 484+242	1	See test graph	See test graph	PASS
			Puncturing 20M	1	See test graph	See test graph	PASS
	Ant15	7025	Large RU 484+242	1	See test graph	See test graph	PASS
			Puncturing 20M	1	See test graph	See test graph	PASS
11BE160MIMO	Ant9	6025	Large RU 996+484	4	See test graph	See test graph	PASS
			Large RU 996+484+242	8	See test graph	See test graph	PASS
			Puncturing 40M	4	See test graph	See test graph	PASS
			Puncturing 20M	8	See test graph	See test graph	PASS
	Ant15	6025	Large RU 996+484	4	See test graph	See test graph	PASS
			Large RU 996+484+242	8	See test graph	See test graph	PASS
			Puncturing 40M	4	See test graph	See test graph	PASS
			Puncturing 20M	8	See test graph	See test graph	PASS
	Ant9	6985	Large RU 996+484	1	See test graph	See test graph	PASS
			Large RU 996+484+242	1	See test graph	See test graph	PASS
			Puncturing 40M	1	See test graph	See test graph	PASS
			Puncturing 20M	1	See test graph	See test graph	PASS
	Ant15	6985	Large RU 996+484	1	See test graph	See test graph	PASS
			Large RU 996+484+242	1	See test graph	See test graph	PASS
			Puncturing 40M	1	See test graph	See test graph	PASS
			Puncturing 20M	1	See test graph	See test graph	PASS

TestMode	Antenna	Channel	MRU Size	MRU Index	Result	Limit	Verdict
11BE320 MIMO	Ant9	6105	Large RU 996*2+484	6	See test graph	See test graph	PASS
			Large RU 996*3	4	See test graph	See test graph	PASS
			Large RU 996*3+484	8	See test graph	See test graph	PASS
			Puncturing 80M+40M	6	See test graph	See test graph	PASS
			Puncturing 80M	4	See test graph	See test graph	PASS
			Puncturing 40M	8	See test graph	See test graph	PASS
	Ant15	6105	Large RU 996*2+484	6	See test graph	See test graph	PASS
			Large RU 996*3	4	See test graph	See test graph	PASS
			Large RU 996*3+484	8	See test graph	See test graph	PASS
			Puncturing 80M+40M	6	See test graph	See test graph	PASS
			Puncturing 80M	4	See test graph	See test graph	PASS
			Puncturing 40M	8	See test graph	See test graph	PASS
	Ant9	6905	Large RU 996*2+484	7	See test graph	See test graph	PASS
			Large RU 996*3	1	See test graph	See test graph	PASS
			Large RU 996*3+484	1	See test graph	See test graph	PASS
			Puncturing 80M+40M	7	See test graph	See test graph	PASS
			Puncturing 80M	1	See test graph	See test graph	PASS
			Puncturing 40M	1	See test graph	See test graph	PASS
	Ant15	6905	Large RU 996*2+484	7	See test graph	See test graph	PASS
			Large RU 996*3	1	See test graph	See test graph	PASS
			Large RU 996*3+484	1	See test graph	See test graph	PASS
			Puncturing 80M+40M	7	See test graph	See test graph	PASS
			Puncturing 80M	1	See test graph	See test graph	PASS
			Puncturing 40M	1	See test graph	See test graph	PASS

Test Graphs

11BE20MIMO_Ant9_5955_52+26_OFDMA_1



Spectrum Emission Mask Standard: None

Peak Power -11.81 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	5.92384 GHz	-73.38 dBm	-61.57 dB	-21.57 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	5.92504 GHz	-73.63 dBm	-61.82 dB	-21.87 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	5.94396 GHz	-50.77 dBm	-38.96 dB	-18.92 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	5.94404 GHz	-50.42 dBm	-38.61 dB	-19.45 dB
10.000 MHz	11.000 MHz	300.000 kHz	5.96596 GHz	-64.37 dBm	-52.56 dB	-33.39 dB
11.000 MHz	20.000 MHz	300.000 kHz	5.96644 GHz	-63.82 dBm	-52.01 dB	-31.62 dB
20.000 MHz	30.000 MHz	300.000 kHz	5.98496 GHz	-73.66 dBm	-61.85 dB	-21.90 dB
30.000 MHz	40.000 MHz	300.000 kHz	5.98544 GHz	-73.52 dBm	-61.71 dB	-21.71 dB