



<802.11be Multi RU & Puncturing mode>

Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	MRU Size	MRU Index	Set Power	Channel Power [dBm]	Limit [dBm]	Gain [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE320MIMO	Ant5	6105	Large RU 996*2+484	6	9.5	8.23	≤24.43	-0.43	7.8	≤24.00	PASS
			Large RU 996*3	4	9.5	8.34	≤24.43	-0.43	7.91	≤24.00	PASS
			Large RU 996*3+484	8	9.5	8.41	≤24.43	-0.43	7.98	≤24.00	PASS
			Puncturing 80M+40M	6	9.5	8.17	≤24.43	-0.43	7.74	≤24.00	PASS
			Puncturing 80M	4	9.5	8.28	≤24.43	-0.43	7.85	≤24.00	PASS
			Puncturing 40M	8	9.5	8.35	≤24.43	-0.43	7.92	≤24.00	PASS
	Ant18	6105	Large RU 996*2+484	6	9.5	9.4	≤24.00	0	9.4	≤24.00	PASS
			Large RU 996*3	4	9.5	9.46	≤24.00	0	9.46	≤24.00	PASS
			Large RU 996*3+484	8	9.5	9.56	≤24.00	0	9.56	≤24.00	PASS
			Puncturing 80M+40M	6	9.5	9.37	≤24.00	0	9.37	≤24.00	PASS
			Puncturing 80M	4	9.5	9.49	≤24.00	0	9.49	≤24.00	PASS
			Puncturing 40M	8	9.5	9.52	≤24.00	0	9.52	≤24.00	PASS
	total	6105	Large RU 996*2+484	6	---	11.86	≤24.00	0	11.86	≤24.00	PASS
			Large RU 996*3	4	---	11.95	≤24.00	0	11.95	≤24.00	PASS
			Large RU 996*3+484	8	---	12.03	≤24.00	0	12.03	≤24.00	PASS
			Puncturing 80M+40M	6	---	11.82	≤24.00	0	11.82	≤24.00	PASS
			Puncturing 80M	4	---	11.94	≤24.00	0	11.94	≤24.00	PASS
			Puncturing 40M	8	---	11.98	≤24.00	0	11.98	≤24.00	PASS
	Ant5	6905	Large RU 996*2+484	7	10	9.3	≤26.04	-2.04	7.26	≤24.00	PASS
			Large RU 996*3	1	10	9.43	≤26.04	-2.04	7.39	≤24.00	PASS
			Large RU 996*3+484	1	10	9.56	≤26.04	-2.04	7.52	≤24.00	PASS
			Puncturing 80M+40M	7	10	9.34	≤26.04	-2.04	7.3	≤24.00	PASS
			Puncturing 80M	1	10	9.39	≤26.04	-2.04	7.35	≤24.00	PASS
			Puncturing 40M	1	10	9.54	≤26.04	-2.04	7.5	≤24.00	PASS
Ant18	6905	Large RU 996*2+484	7	10	10.38	≤25.33	-1.33	9.05	≤24.00	PASS	
		Large RU 996*3	1	10	10.58	≤25.33	-1.33	9.25	≤24.00	PASS	
		Large RU 996*3+484	1	10	10.72	≤25.33	-1.33	9.39	≤24.00	PASS	
		Puncturing 80M+40M	7	10	10.44	≤25.33	-1.33	9.11	≤24.00	PASS	



			Puncturing 80M	1	10	10.54	≤25.33	-1.33	9.21	≤24.00	PASS
			Puncturing 40M	1	10	10.6	≤25.33	-1.33	9.27	≤24.00	PASS
	total	6905	Large RU 996*2+484	7	---	12.88	≤25.33	-1.33	11.55	≤24.00	PASS
			Large RU 996*3	1	---	13.05	≤25.33	-1.33	11.72	≤24.00	PASS
			Large RU 996*3+484	1	---	13.19	≤25.33	-1.33	11.86	≤24.00	PASS
			Puncturing 80M+40M	7	---	12.94	≤25.33	-1.33	11.61	≤24.00	PASS
			Puncturing 80M	1	---	13.01	≤25.33	-1.33	11.68	≤24.00	PASS
			Puncturing 40M	1	---	13.11	≤25.33	-1.33	11.78	≤24.00	PASS

Note: The Duty Cycle Factor has been compensated in the test results.



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
11BE320MIMO	Ant5	6105	Large RU 996*2+484	6	-9.16	≤-0.57	-0.43	-9.59	≤-1.00	PASS
			Large RU 996*3	4	-10.04	≤-0.57	-0.43	-10.47	≤-1.00	PASS
			Large RU 996*3+484	8	-10.57	≤-0.57	-0.43	-11	≤-1.00	PASS
			Puncturing 80M+40M	6	-8.49	≤-0.57	-0.43	-8.92	≤-1.00	PASS
			Puncturing 80M	4	-9.32	≤-0.57	-0.43	-9.75	≤-1.00	PASS
			Puncturing 40M	8	-10.01	≤-0.57	-0.43	-10.44	≤-1.00	PASS
	Ant18	6105	Large RU 996*2+484	6	-8.32	≤-1.00	0	-8.32	≤-1.00	PASS
			Large RU 996*3	4	-9.09	≤-1.00	0	-9.09	≤-1.00	PASS
			Large RU 996*3+484	8	-10.02	≤-1.00	0	-10.02	≤-1.00	PASS
			Puncturing 80M+40M	6	-7.67	≤-1.00	0	-7.67	≤-1.00	PASS
			Puncturing 80M	4	-8.42	≤-1.00	0	-8.42	≤-1.00	PASS
			Puncturing 40M	8	-8.75	≤-1.00	0	-8.75	≤-1.00	PASS
	total	6105	Large RU 996*2+484	6	-5.71	≤-3.80	2.8	-2.91	≤-1.00	PASS
			Large RU 996*3	4	-6.53	≤-3.80	2.8	-3.73	≤-1.00	PASS
			Large RU 996*3+484	8	-7.28	≤-3.80	2.8	-4.48	≤-1.00	PASS
			Puncturing 80M+40M	6	-5.05	≤-3.80	2.8	-2.25	≤-1.00	PASS
			Puncturing 80M	4	-5.84	≤-3.80	2.8	-3.04	≤-1.00	PASS
			Puncturing 40M	8	-6.32	≤-3.80	2.8	-3.52	≤-1.00	PASS
	Ant5	6905	Large RU 996*2+484	7	-8.97	≤1.04	-2.04	-11.01	≤-1.00	PASS
			Large RU 996*3	1	-9.62	≤1.04	-2.04	-11.66	≤-1.00	PASS
			Large RU 996*3+484	1	-9.68	≤1.04	-2.04	-11.72	≤-1.00	PASS
			Puncturing 80M+40M	7	-7.81	≤1.04	-2.04	-9.85	≤-1.00	PASS
			Puncturing 80M	1	-8.91	≤1.04	-2.04	-10.95	≤-1.00	PASS
			Puncturing 40M	1	-9.49	≤1.04	-2.04	-11.53	≤-1.00	PASS
Ant18	6905	Large RU 996*2+484	7	-7.79	≤0.33	-1.33	-9.12	≤-1.00	PASS	
		Large RU 996*3	1	-8.01	≤0.33	-1.33	-9.34	≤-1.00	PASS	
		Large RU 996*3+484	1	-8.29	≤0.33	-1.33	-9.62	≤-1.00	PASS	
		Puncturing 80M+40M	7	-6.51	≤0.33	-1.33	-7.84	≤-1.00	PASS	
		Puncturing 80M	1	-7.78	≤0.33	-1.33	-9.11	≤-1.00	PASS	
		Puncturing 40M	1	-8.35	≤0.33	-1.33	-9.68	≤-1.00	PASS	

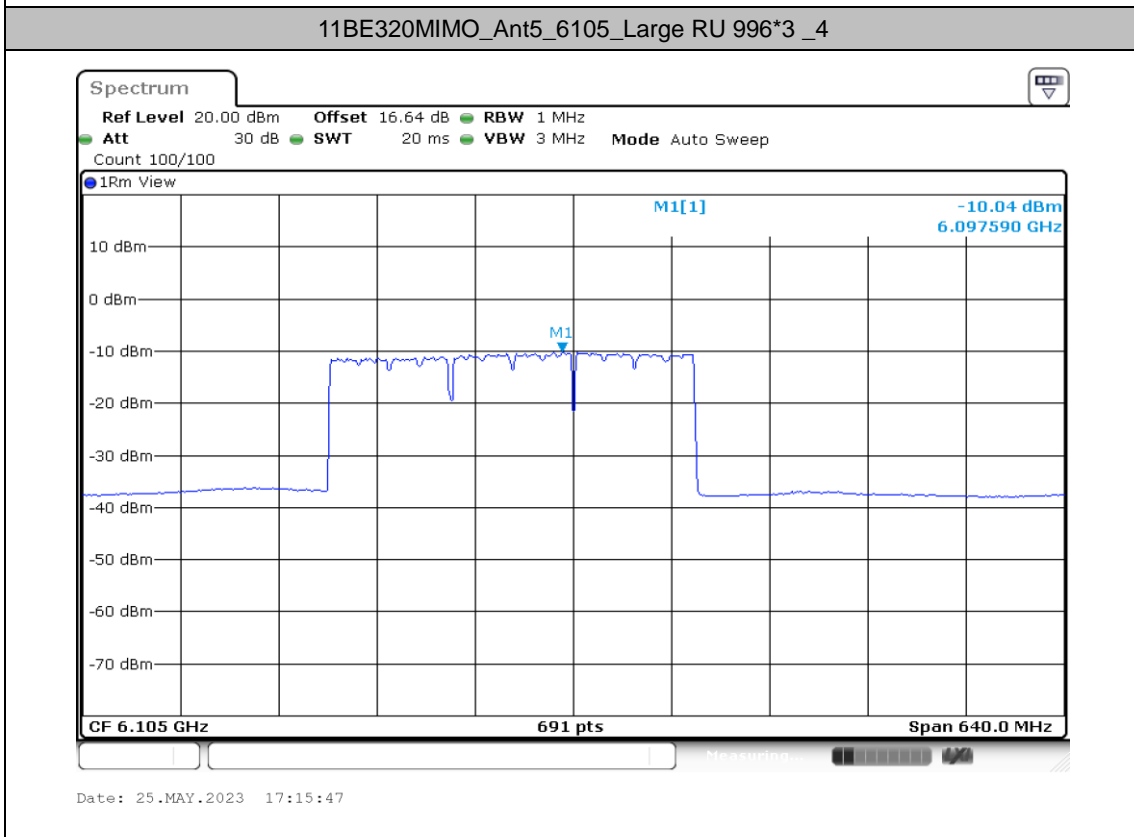
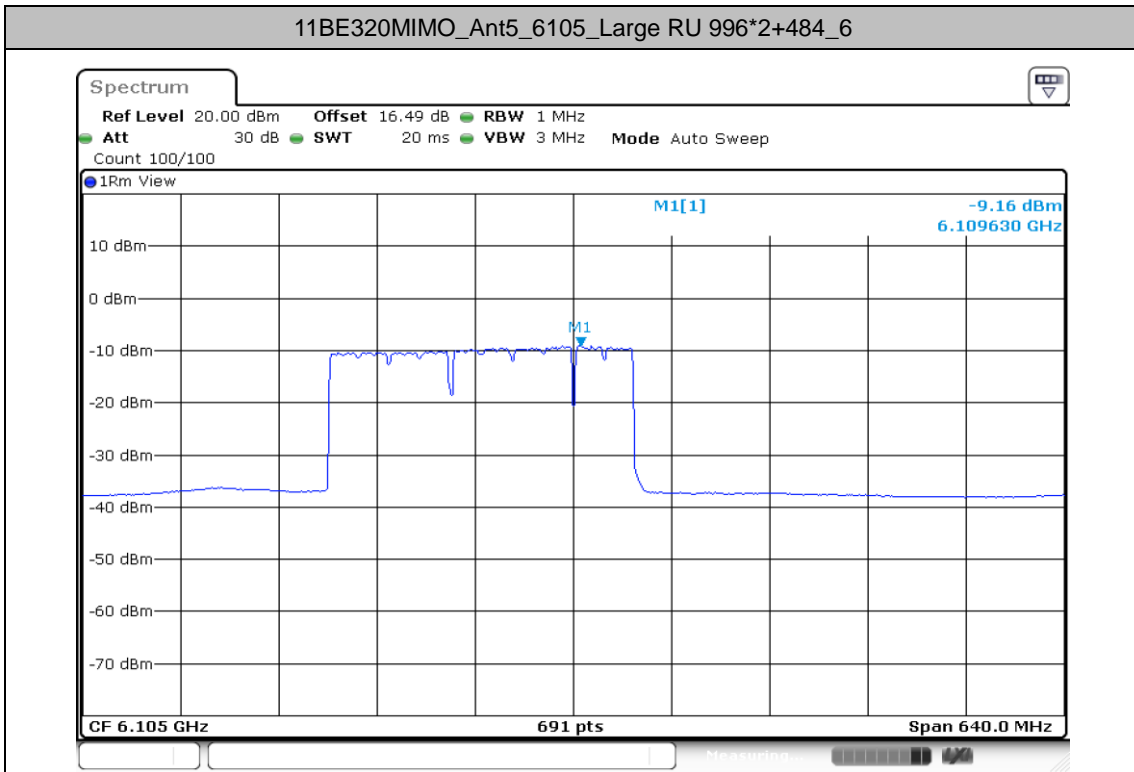


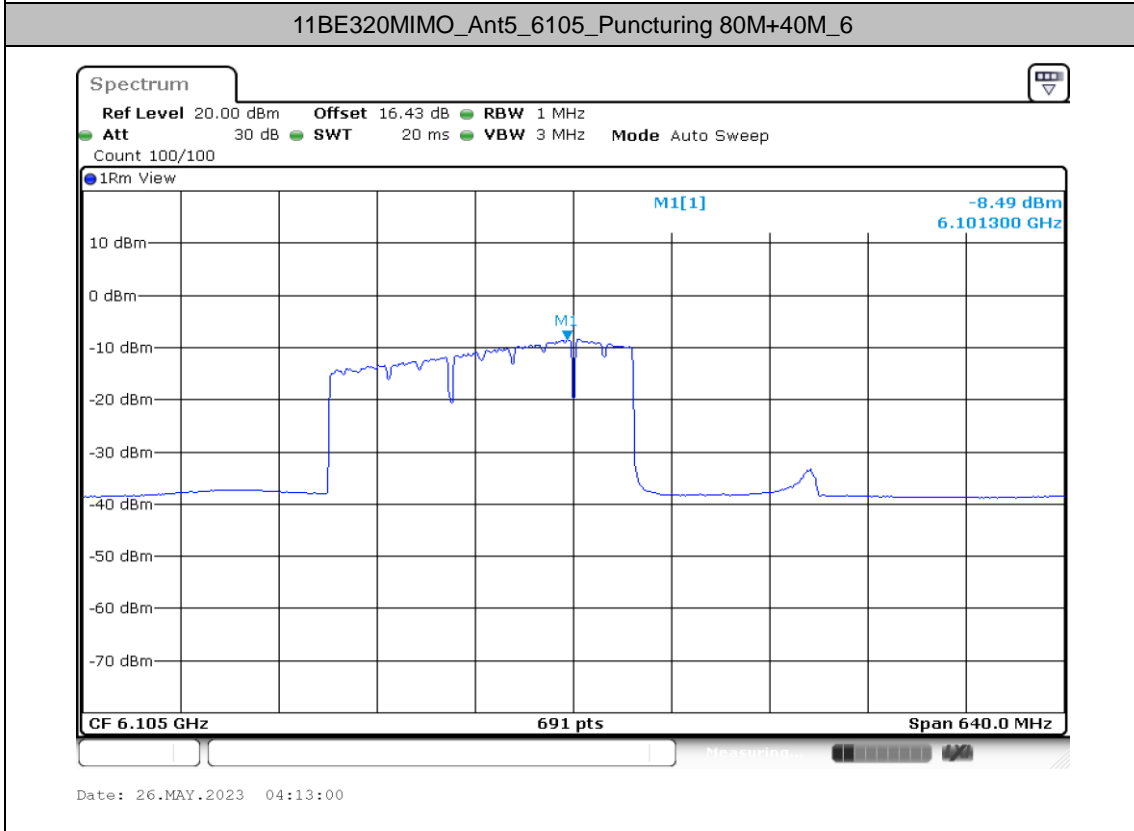
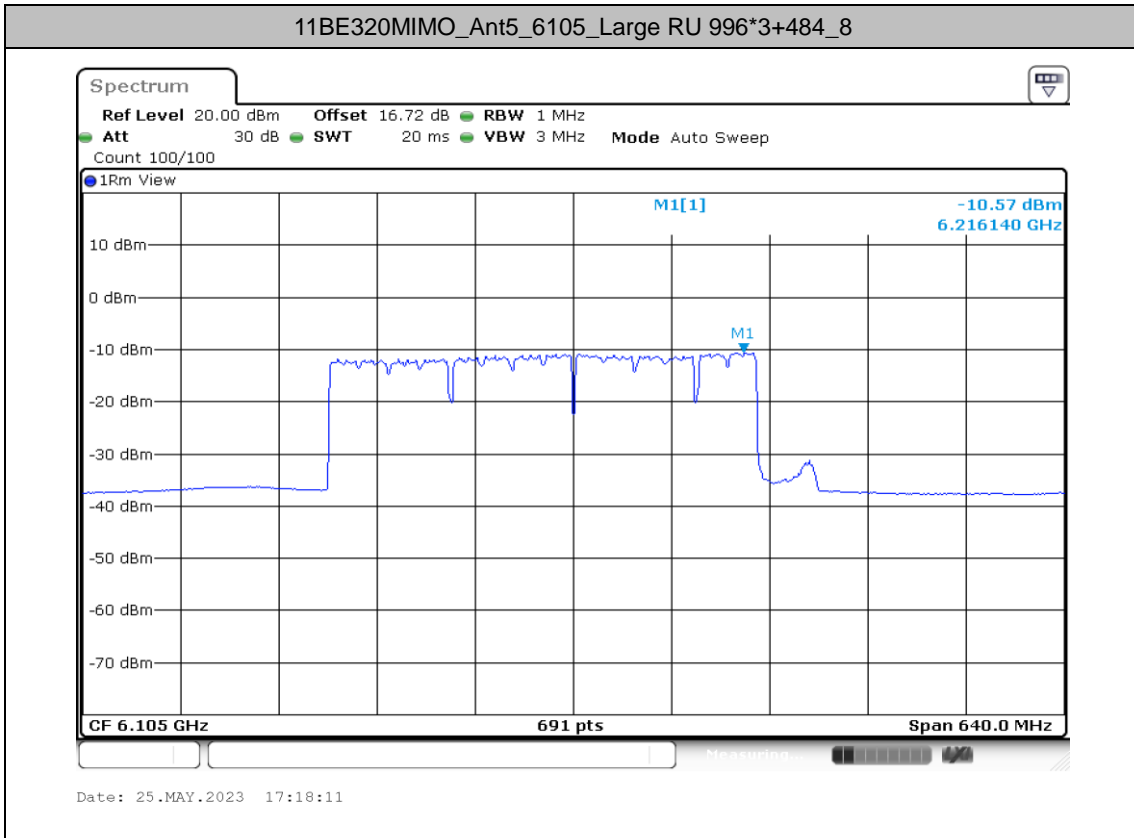
	total	6905	Large RU 996*2+484	7	-5.33	≤-2.33	1.33	-4	≤-1.00	PASS
			Large RU 996*3	1	-5.73	≤-2.33	1.33	-4.4	≤-1.00	PASS
			Large RU 996*3+484	1	-5.92	≤-2.33	1.33	-4.59	≤-1.00	PASS
			Puncturing 80M+40M	7	-4.1	≤-2.33	1.33	-2.77	≤-1.00	PASS
			Puncturing 80M	1	-5.3	≤-2.33	1.33	-3.97	≤-1.00	PASS
			Puncturing 40M	1	-5.87	≤-2.33	1.33	-4.54	≤-1.00	PASS

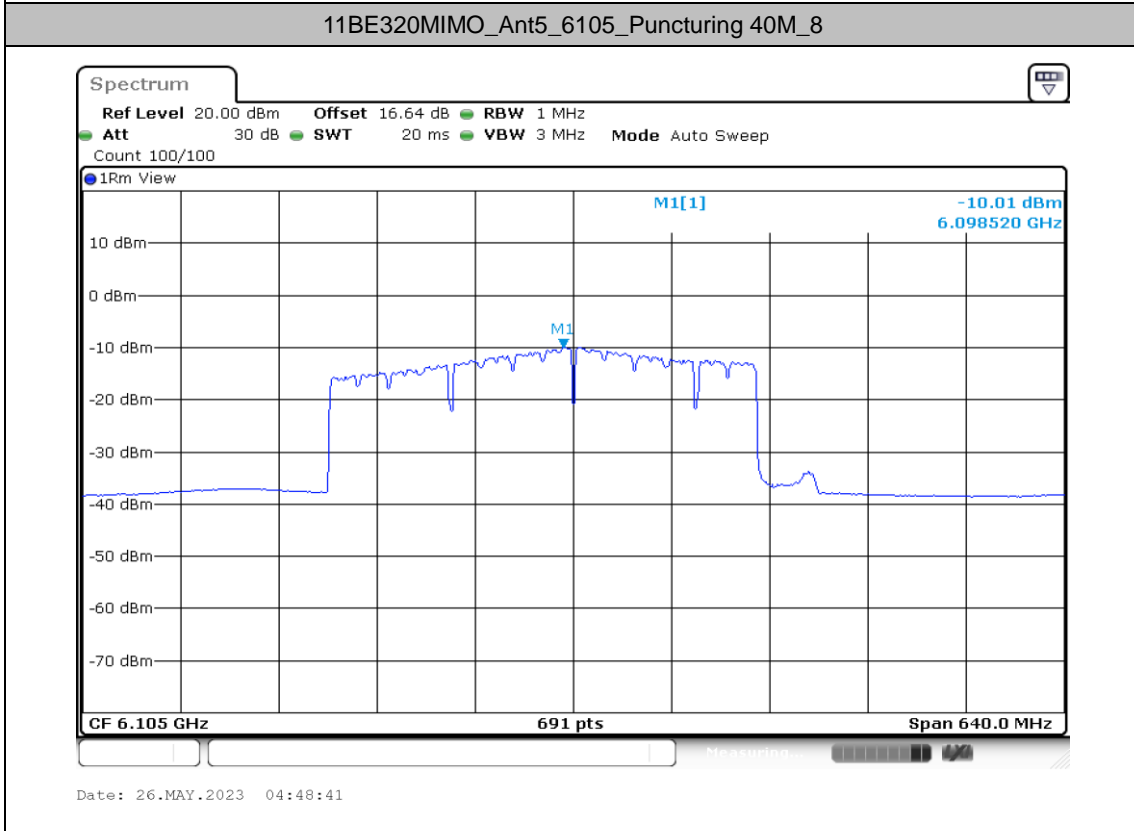
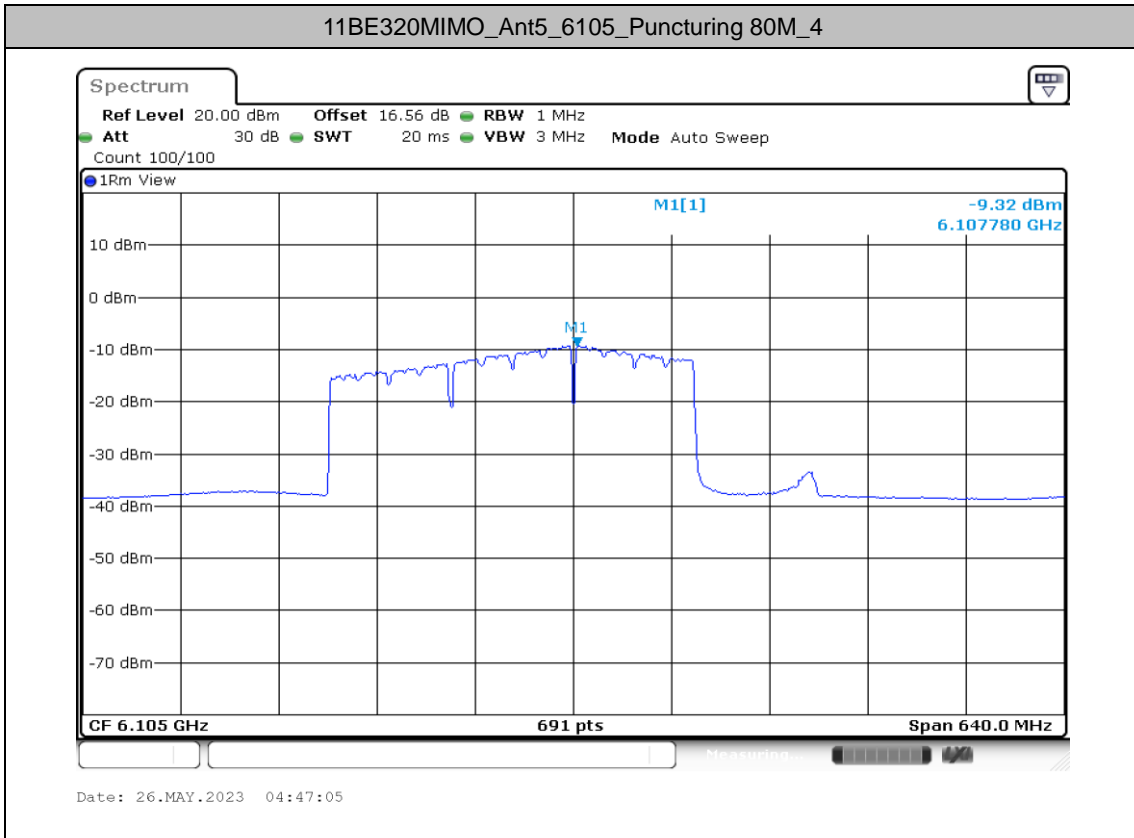
Note: The Duty Cycle Factor has been compensated in the graph.

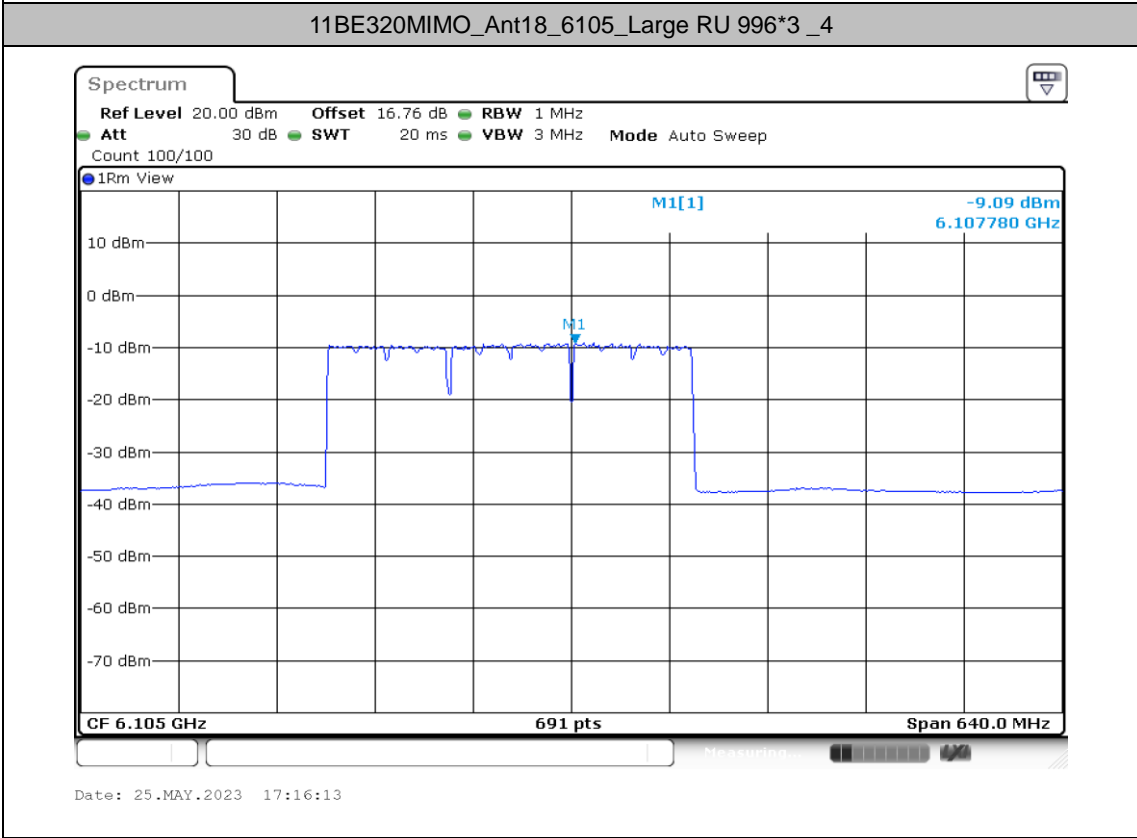
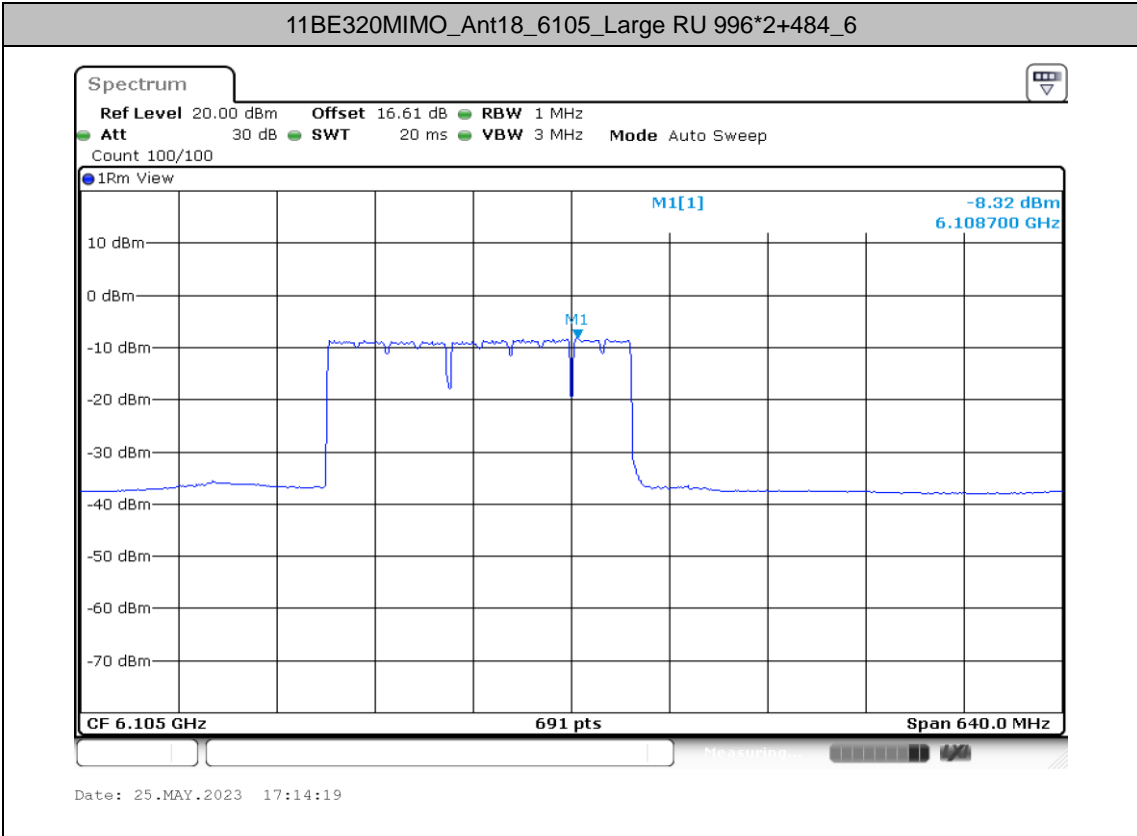


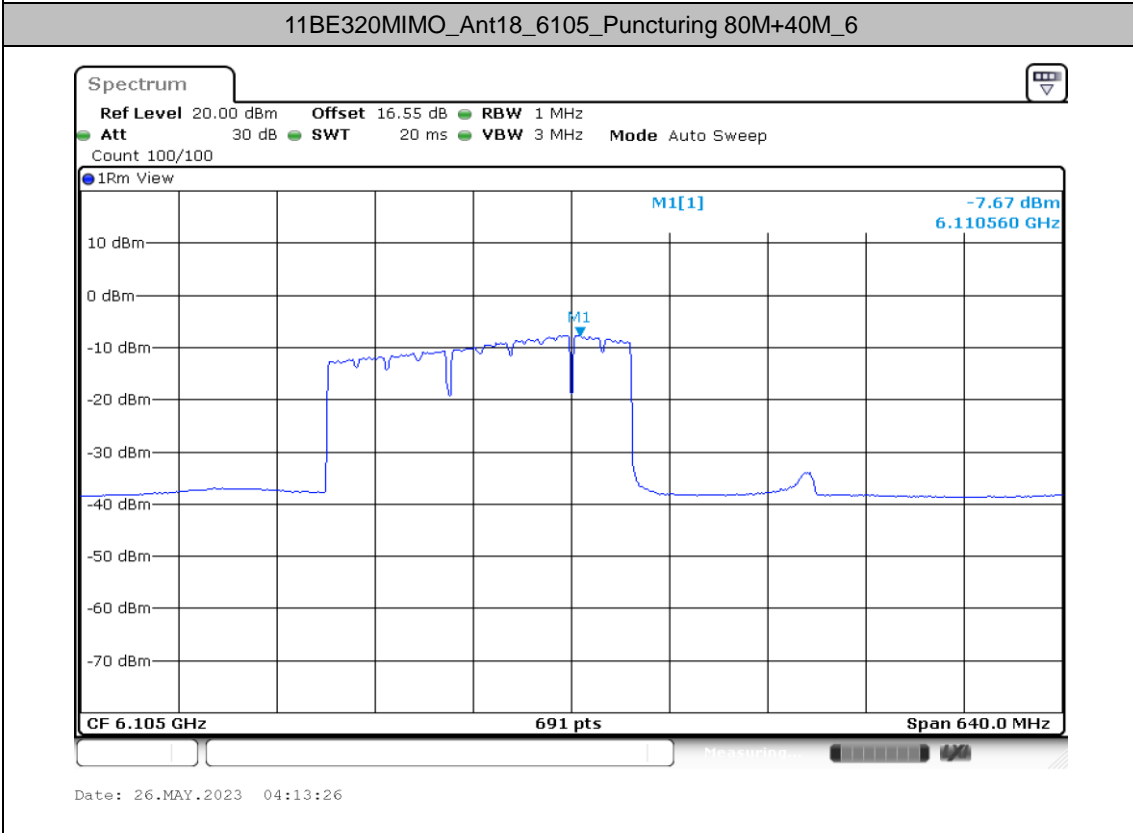
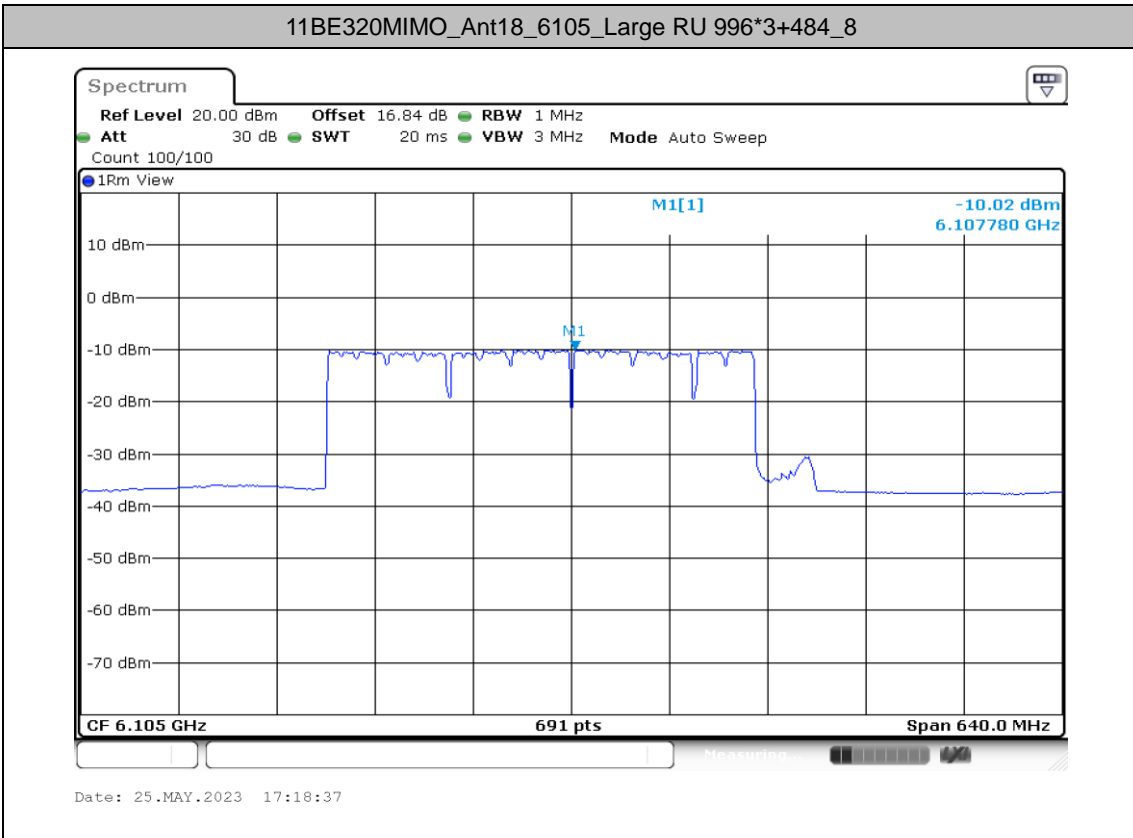
Test Graphs

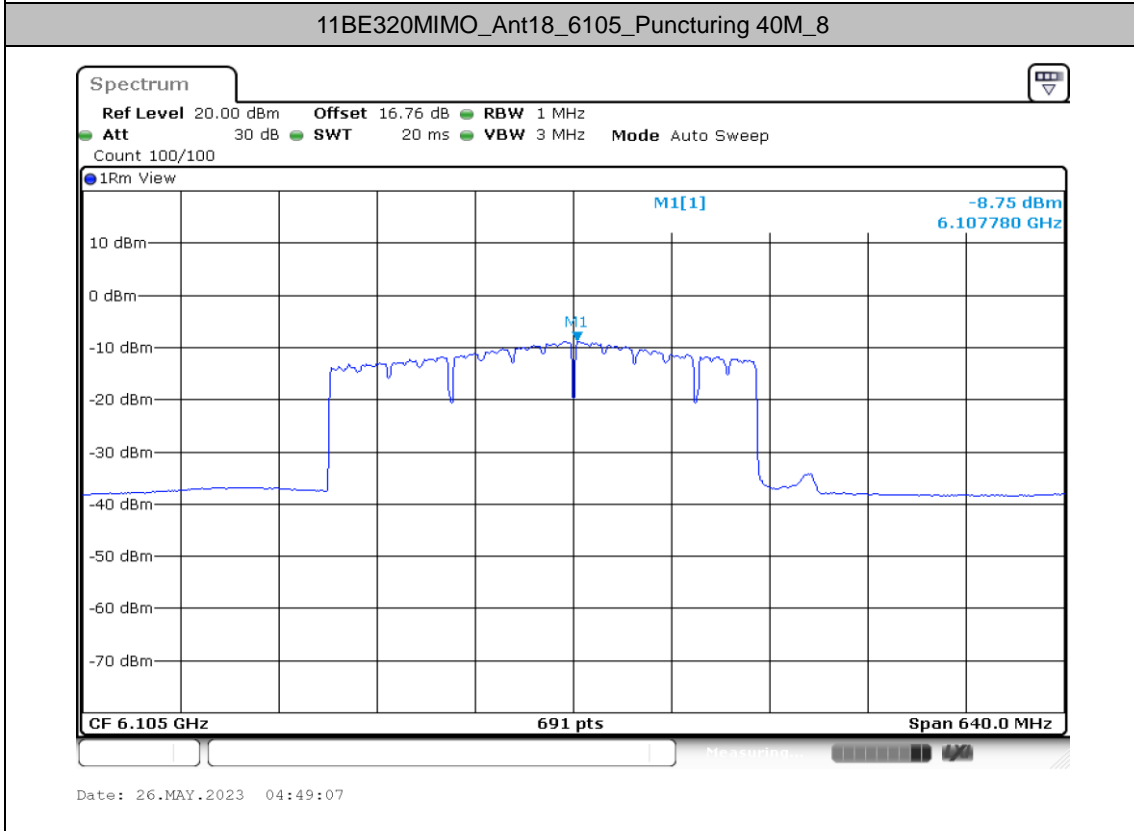
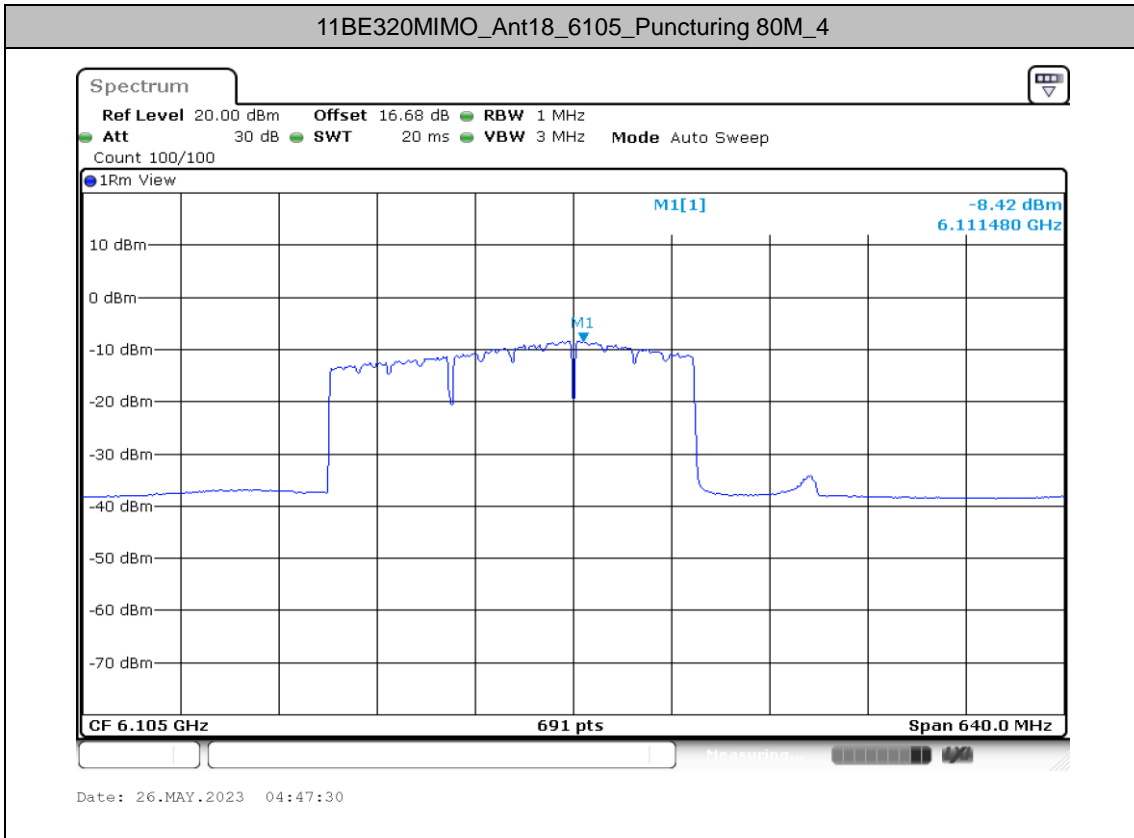










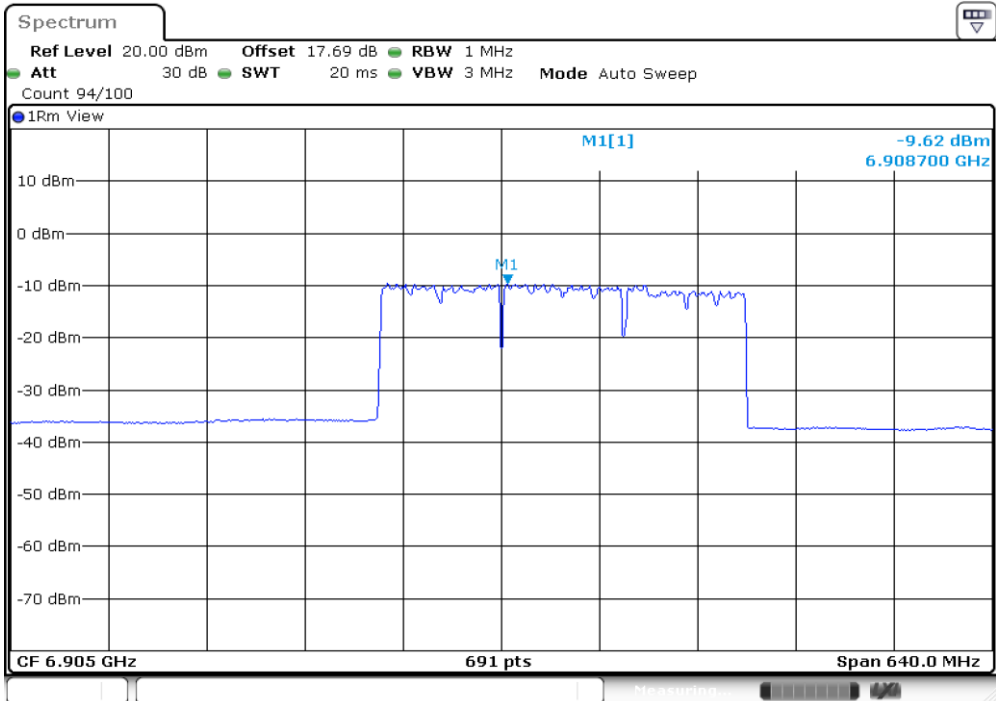


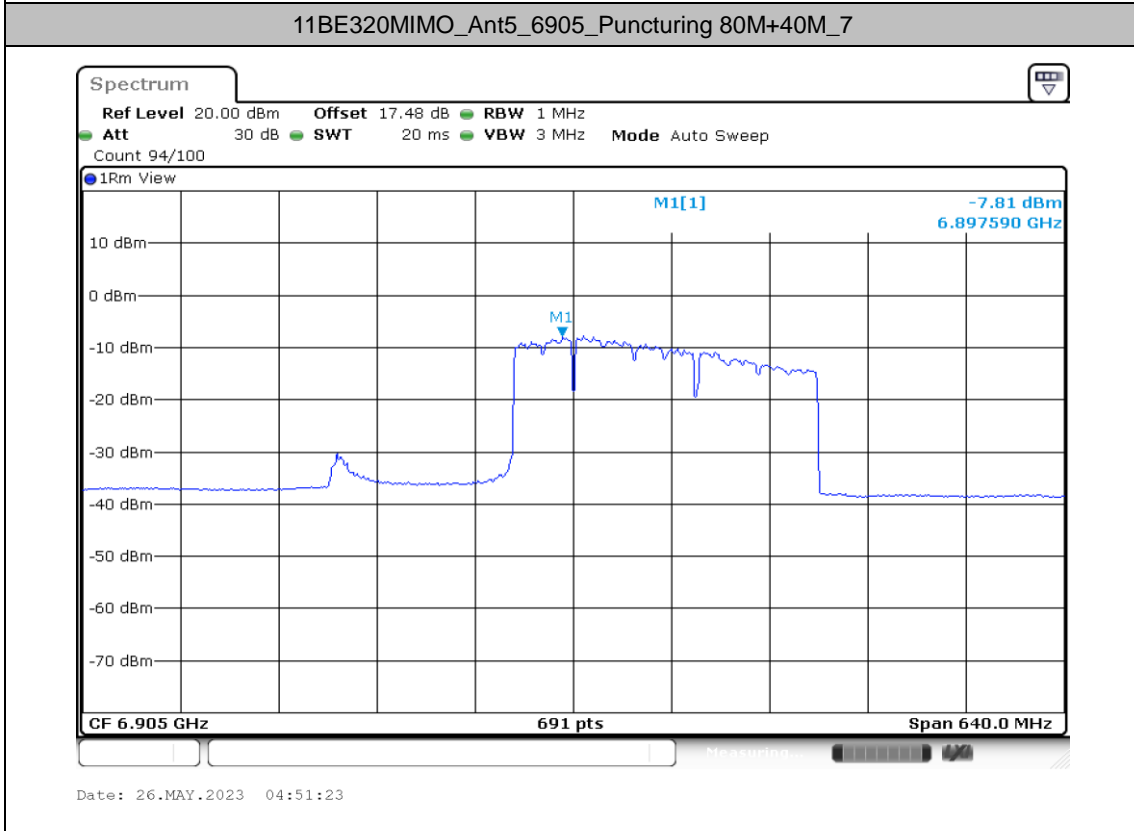
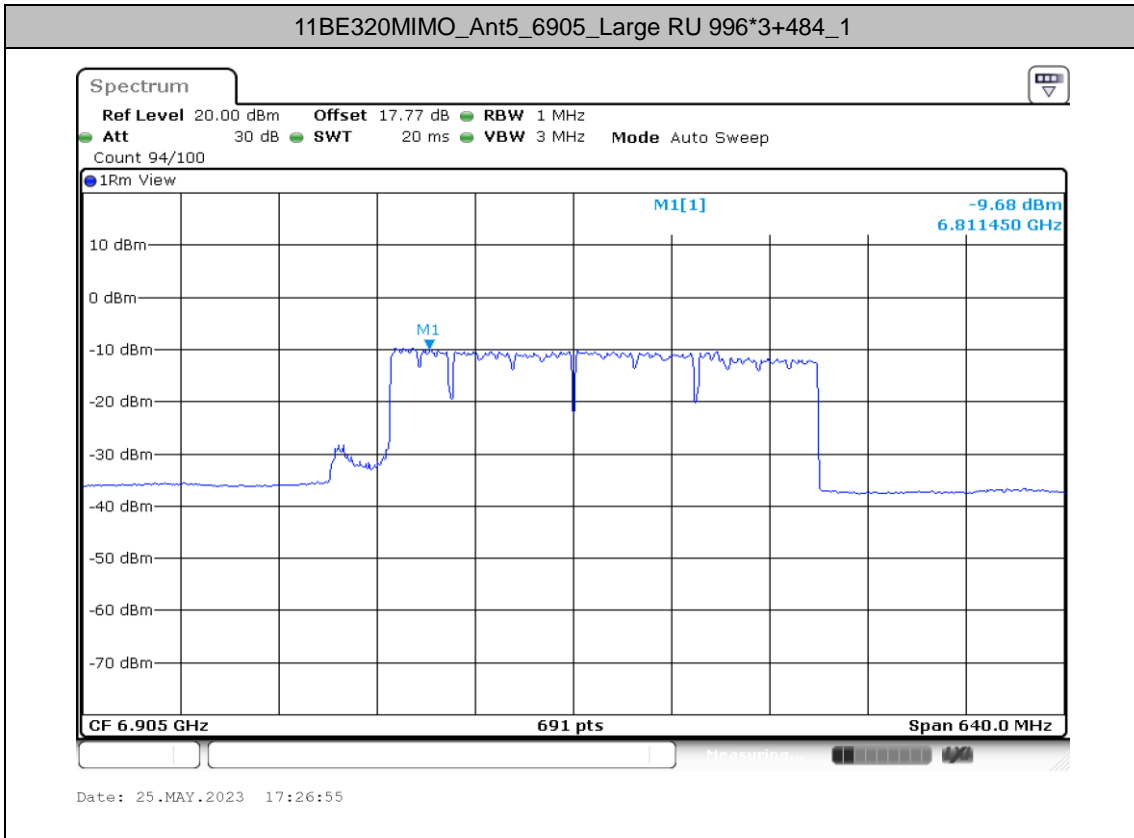


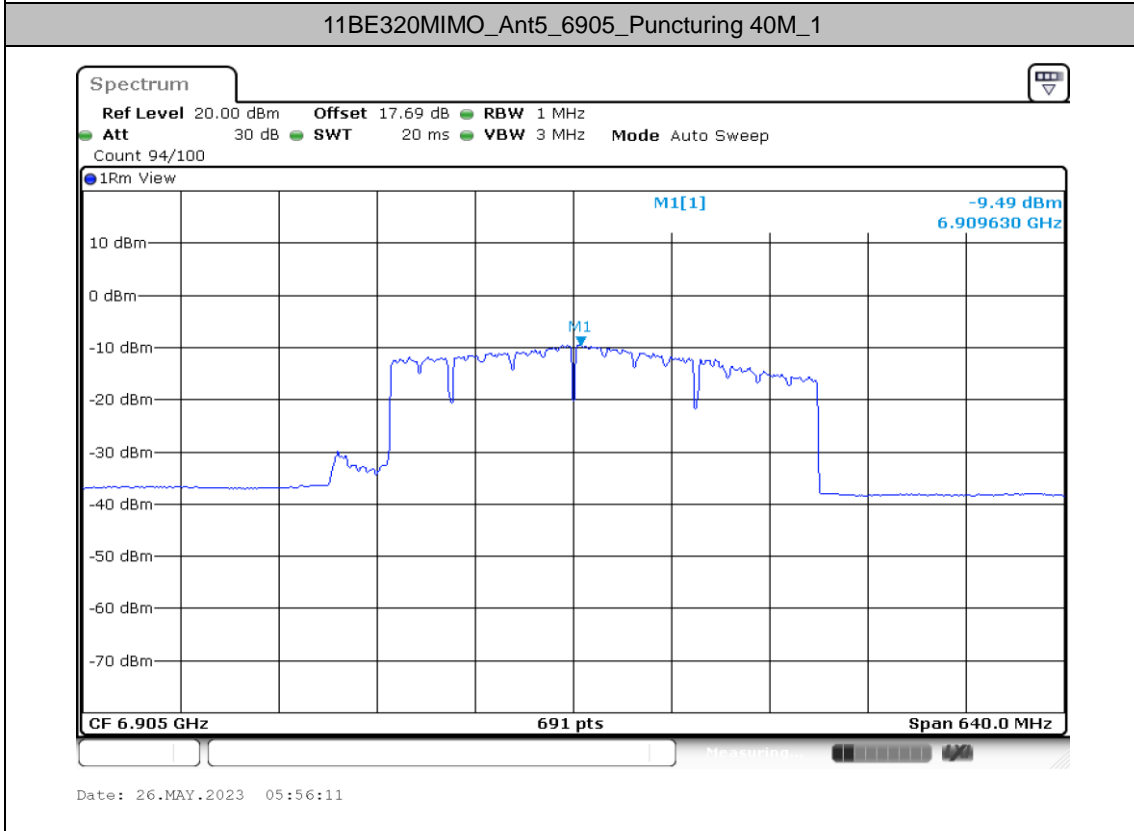
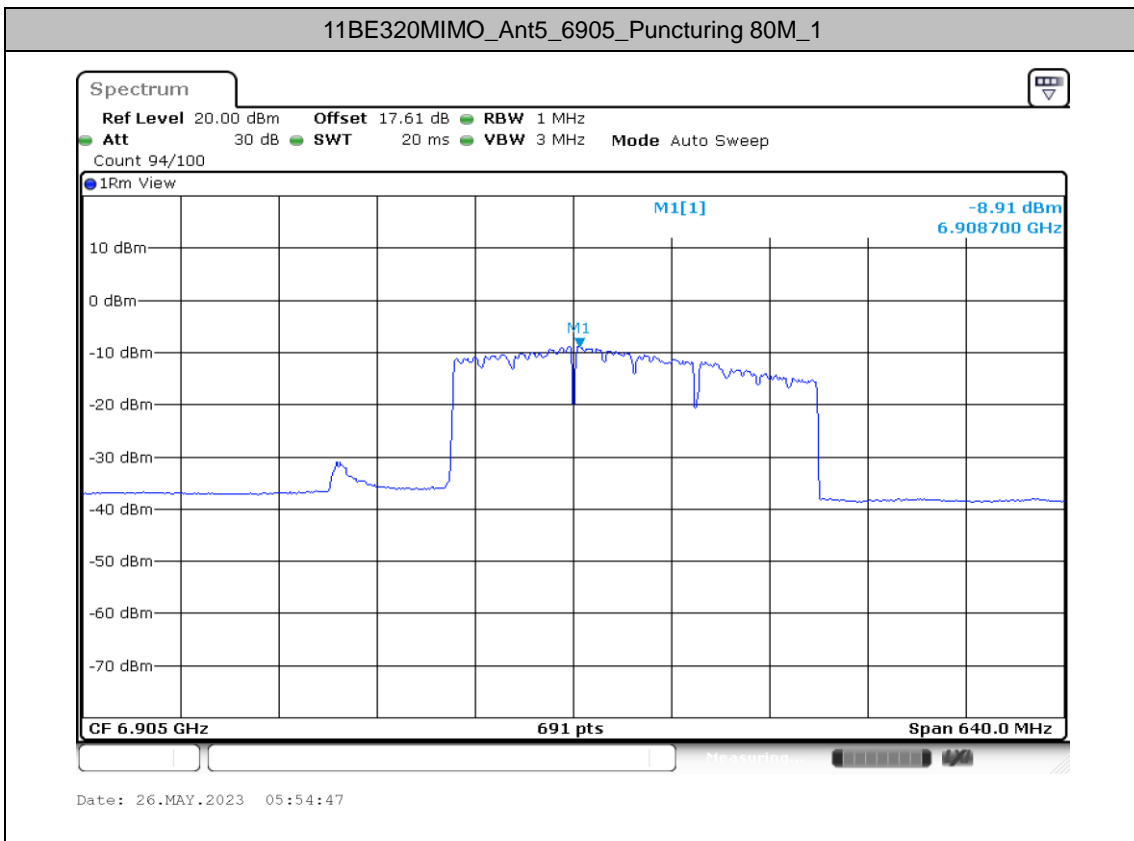
11BE320MIMO_Ant5_6905_Large RU 996*2+484_7



11BE320MIMO_Ant5_6905_Large RU 996*3_1

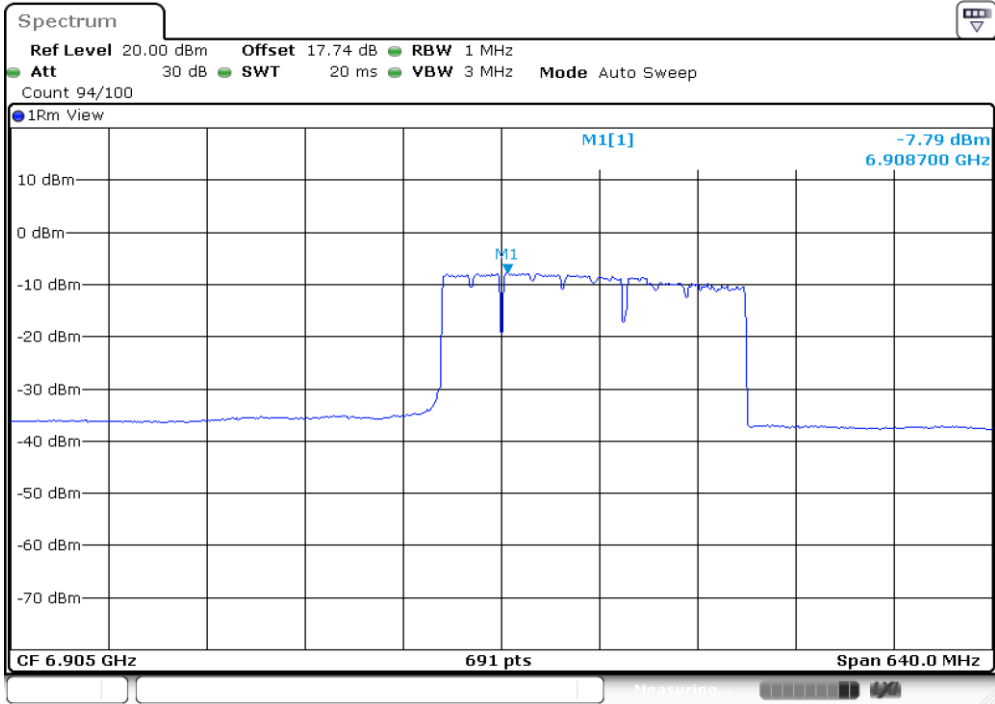






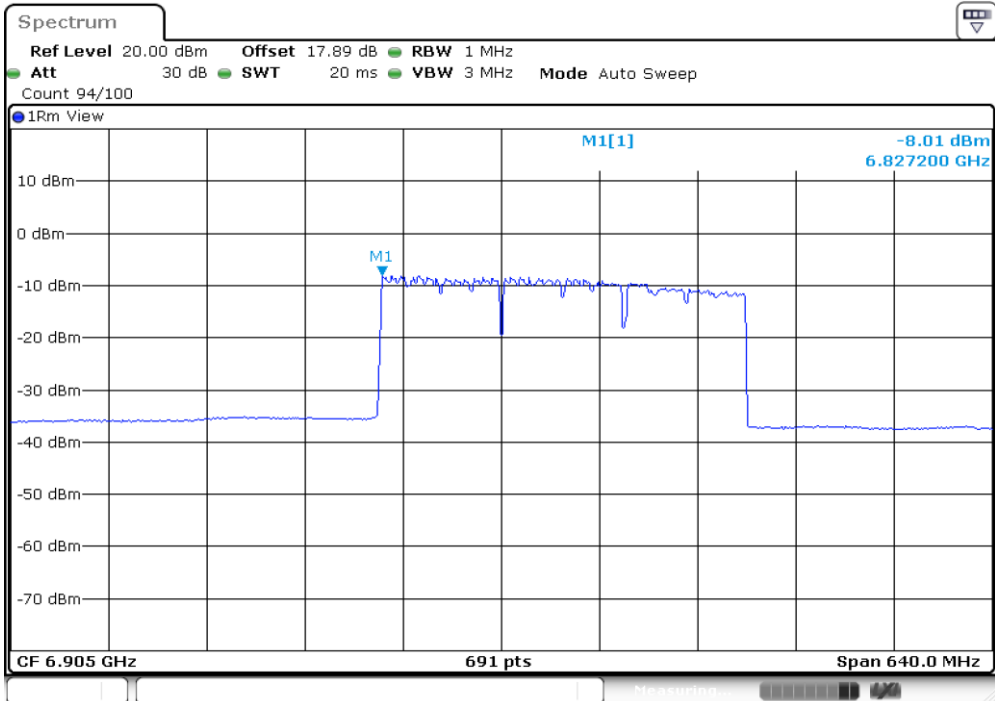


11BE320MIMO_Ant18_6905_Large RU 996*2+484_7



Date: 25.MAY.2023 17:21:08

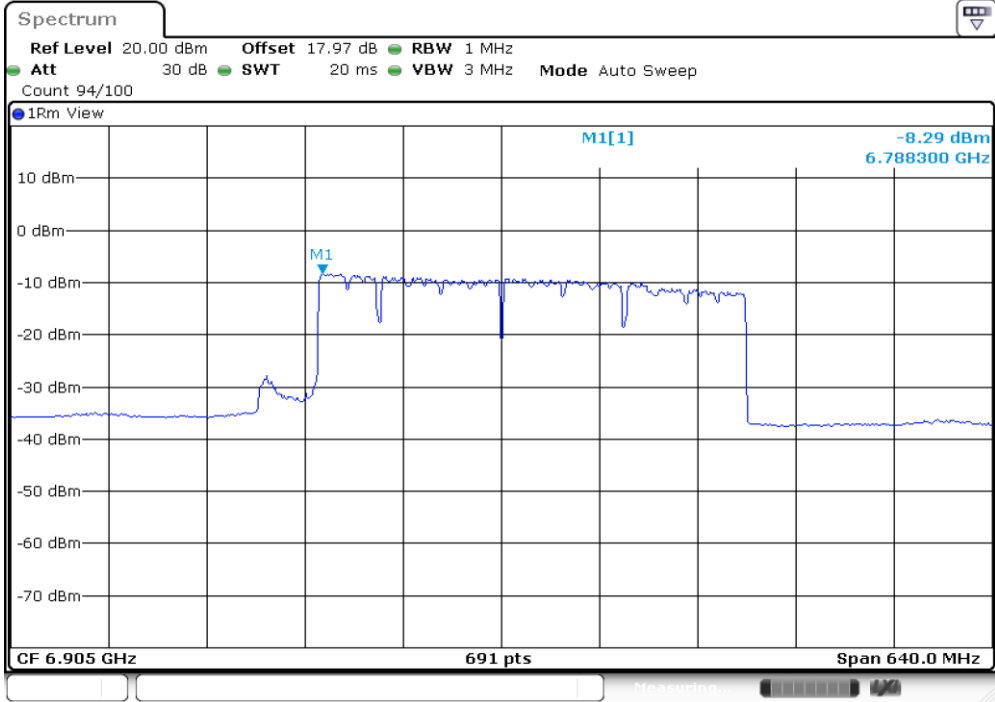
11BE320MIMO_Ant18_6905_Large RU 996*3_1



Date: 25.MAY.2023 17:25:02



11BE320MIMO_Ant18_6905_Large RU 996*3+484_1

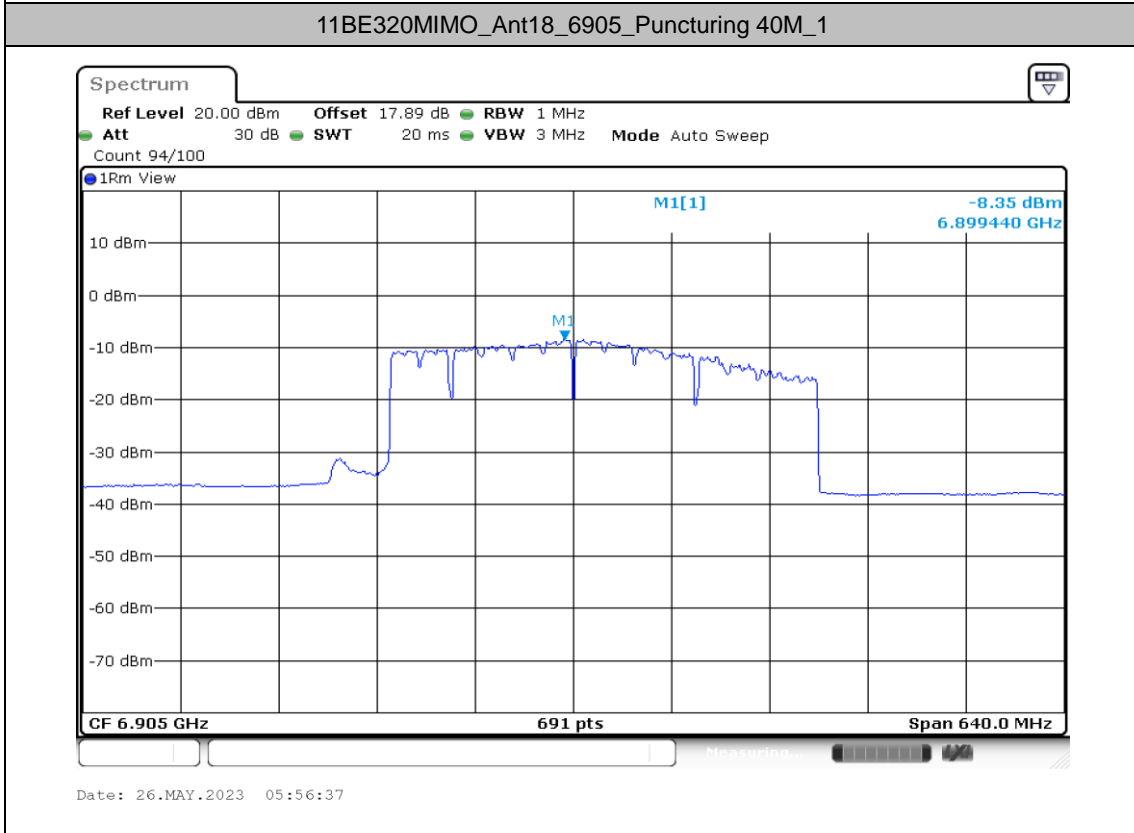
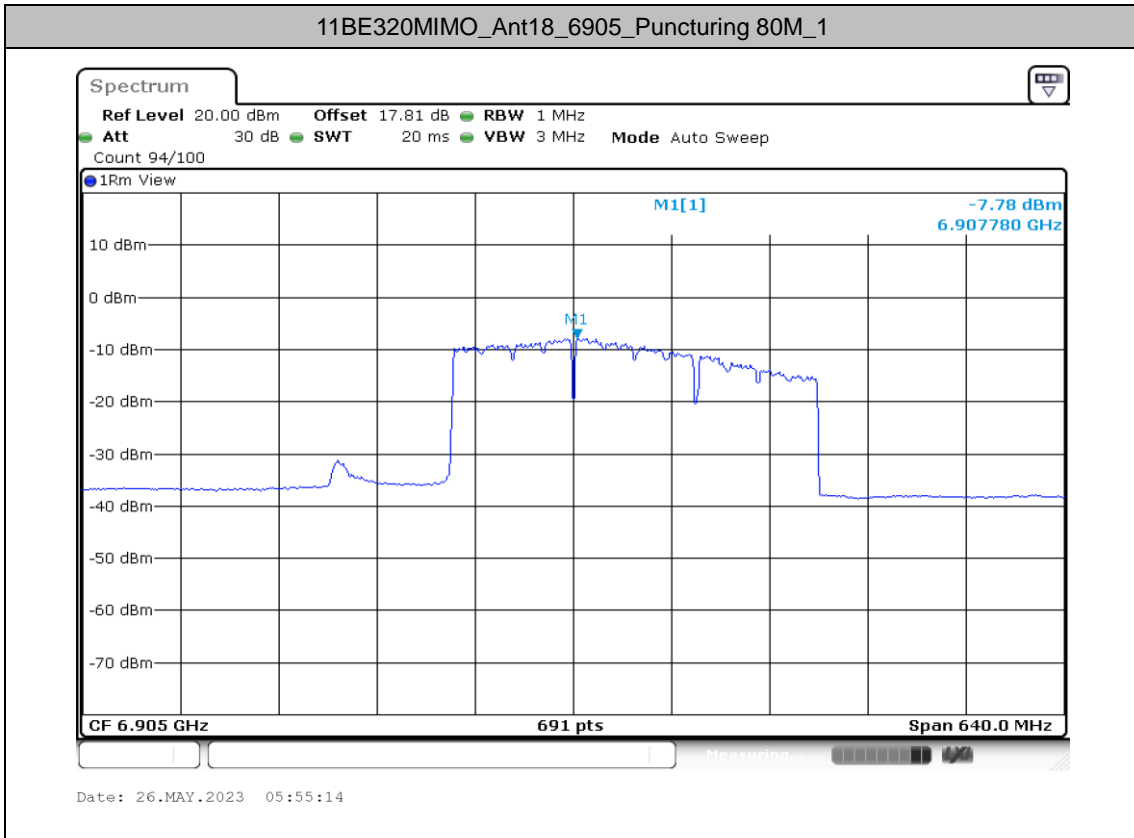


Date: 25.MAY.2023 17:27:21

11BE320MIMO_Ant18_6905_Puncturing 80M+40M_7



Date: 26.MAY.2023 04:51:49





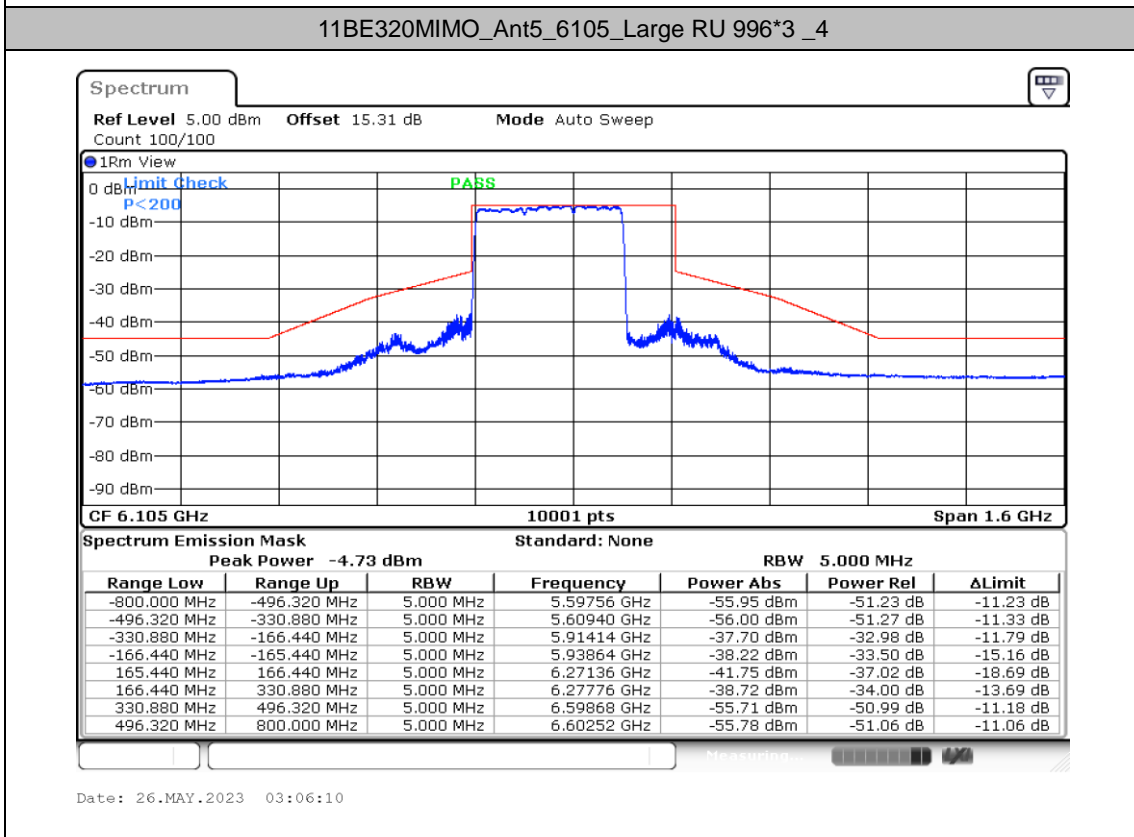
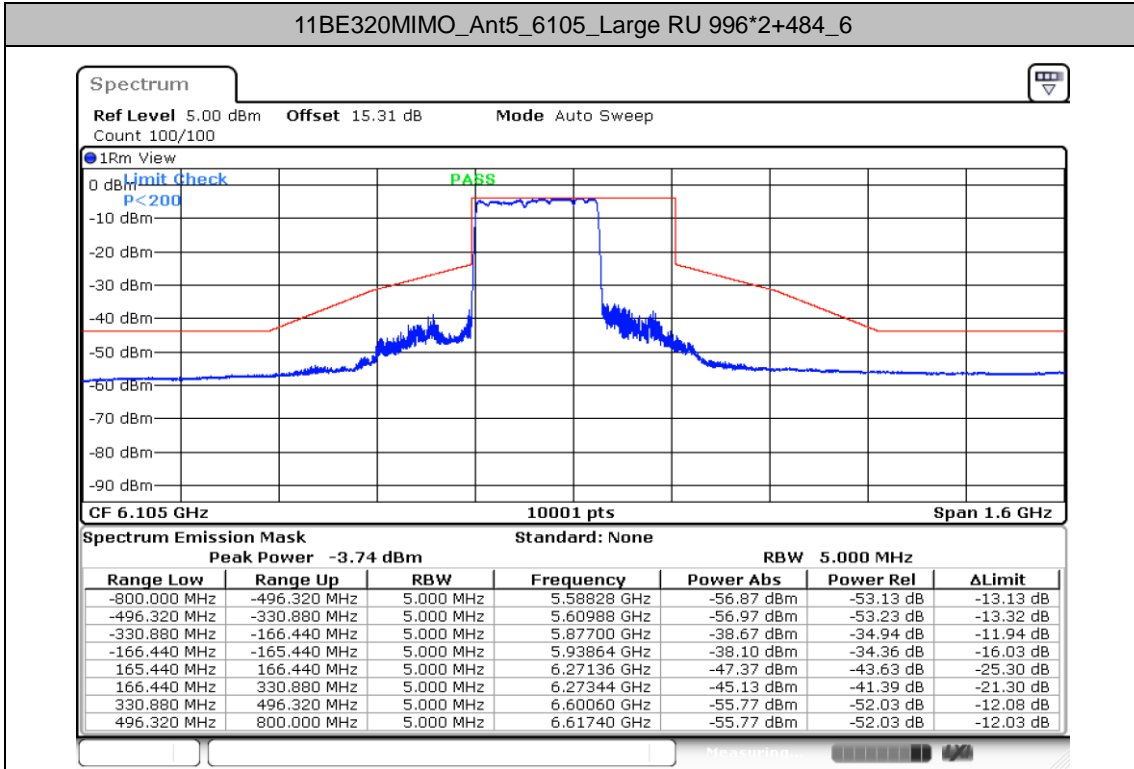
In-Band Emissions

Test Result

TestMode	Antenna	Channel	MRU Size	MRU Index	Result	Limit	Verdict
11BE320MIMO	Ant5	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
	Ant18	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
	Ant5	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
	Ant18	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

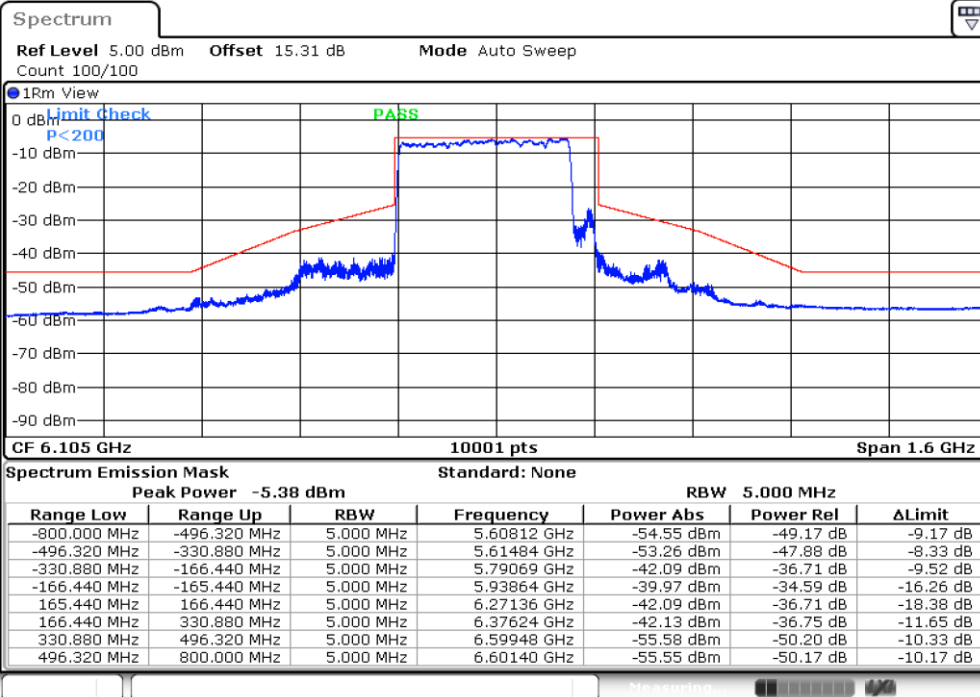


Test Graphs



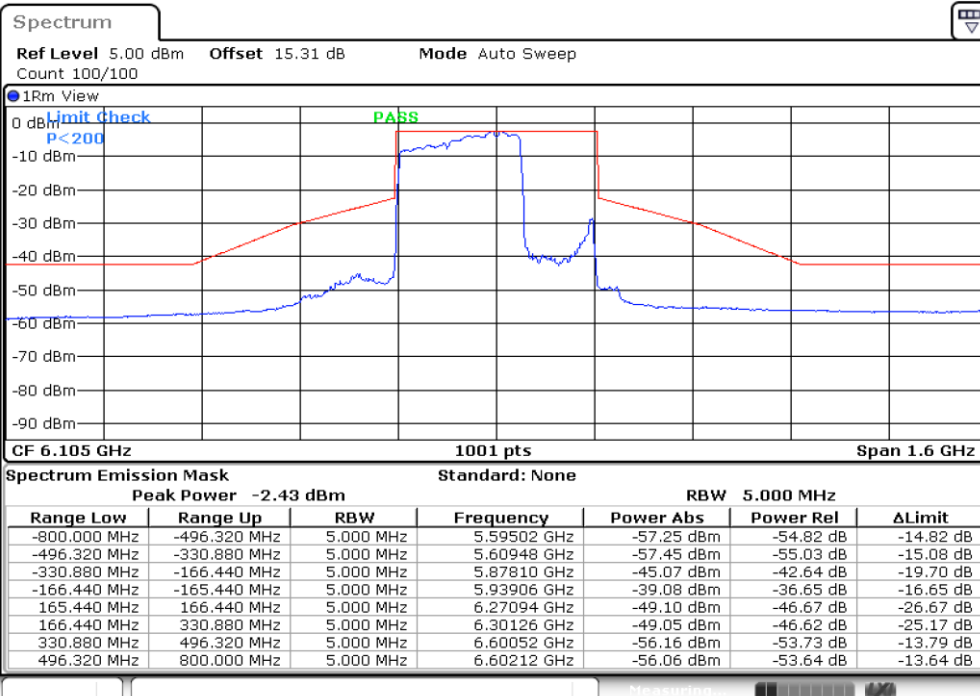


11BE320MIMO_Ant5_6105_Large RU 996*3+484_8

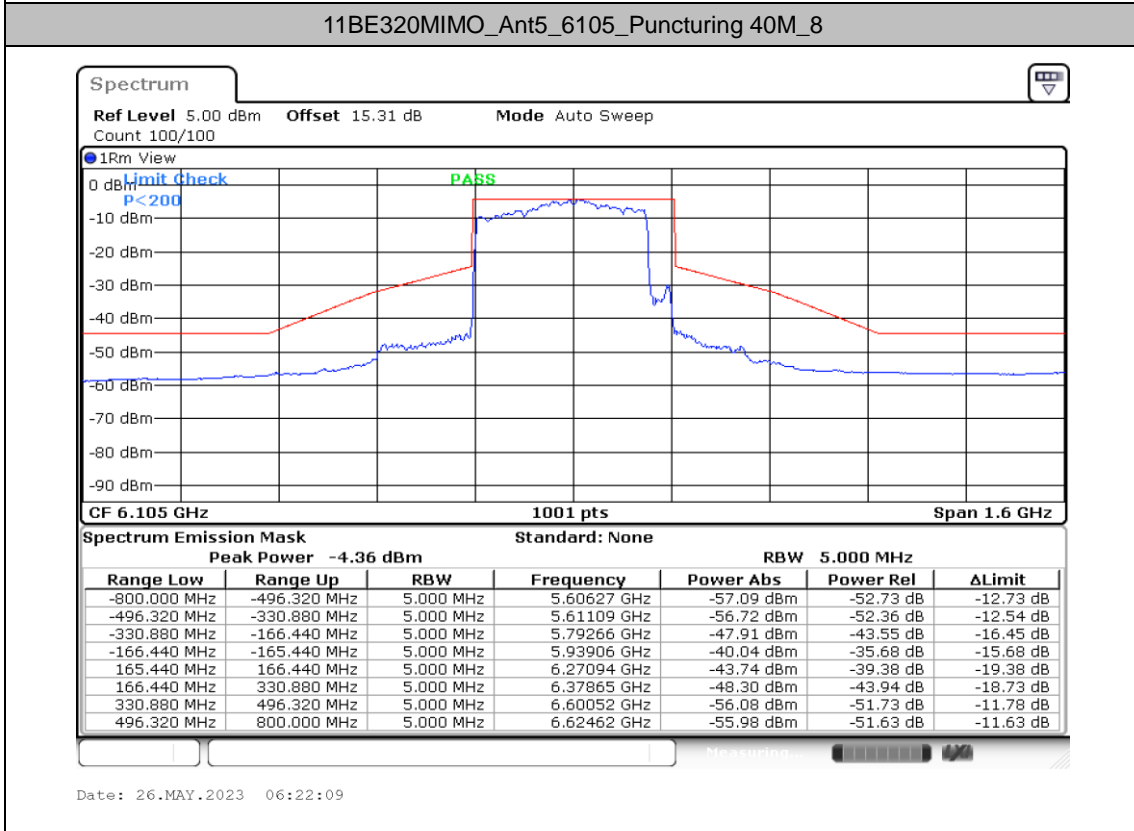
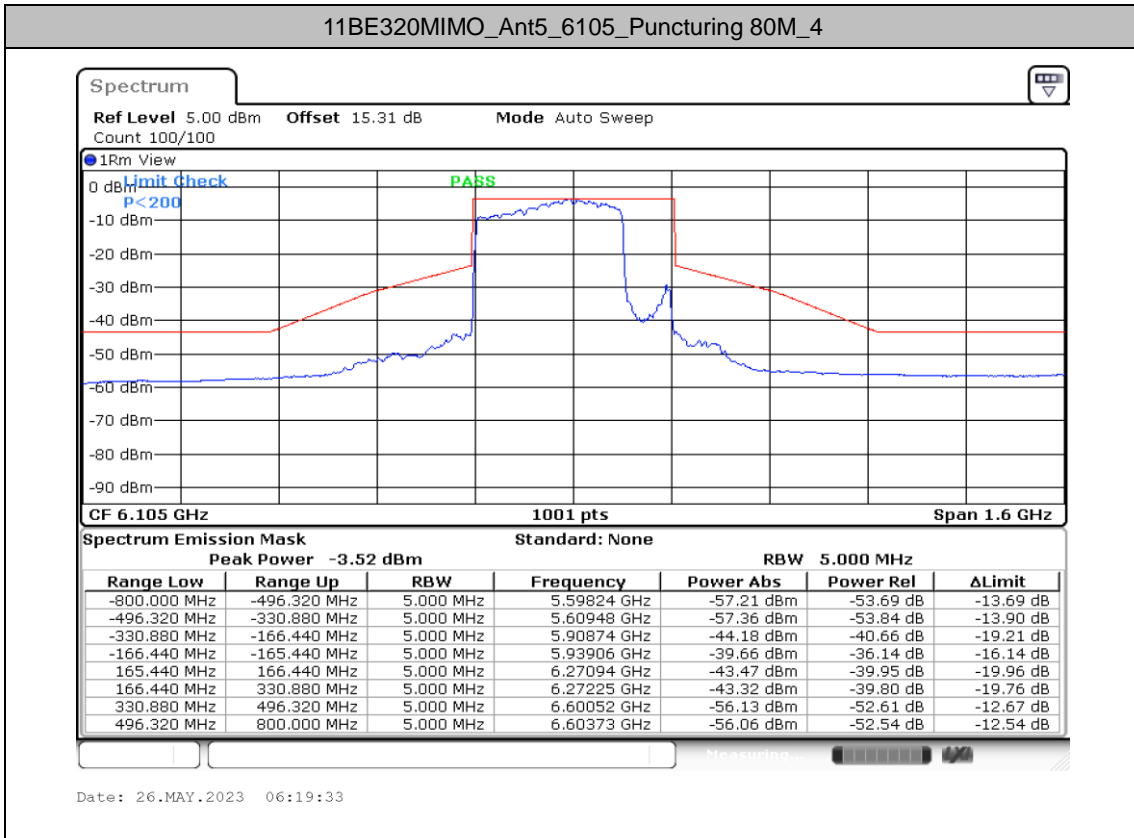


Date: 26.MAY.2023 03:07:23

11BE320MIMO_Ant5_6105_Puncturing 80M+40M_6

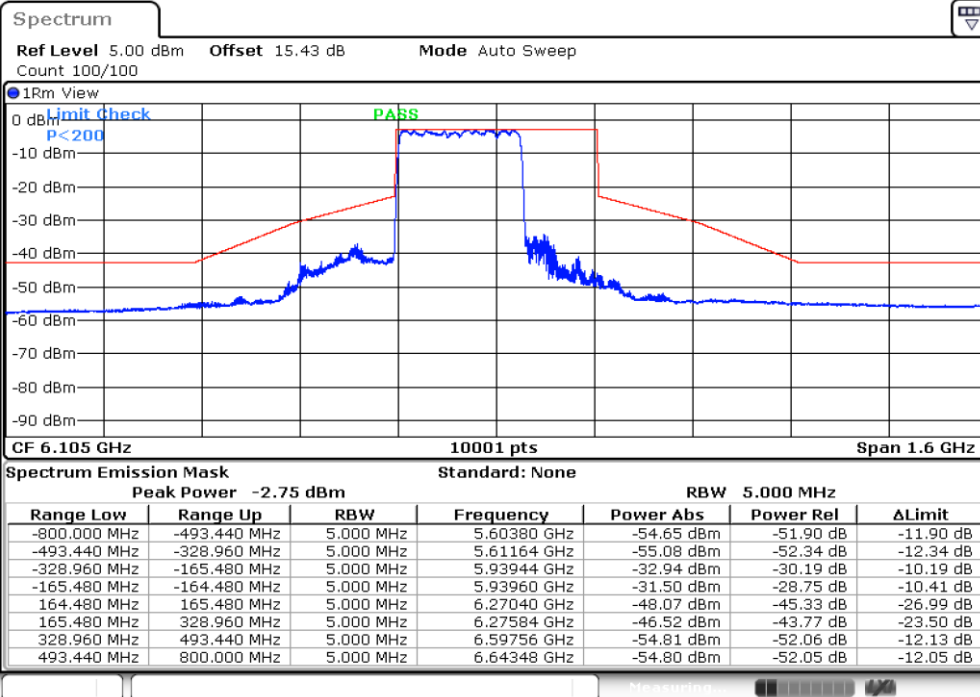


Date: 26.MAY.2023 06:17:17



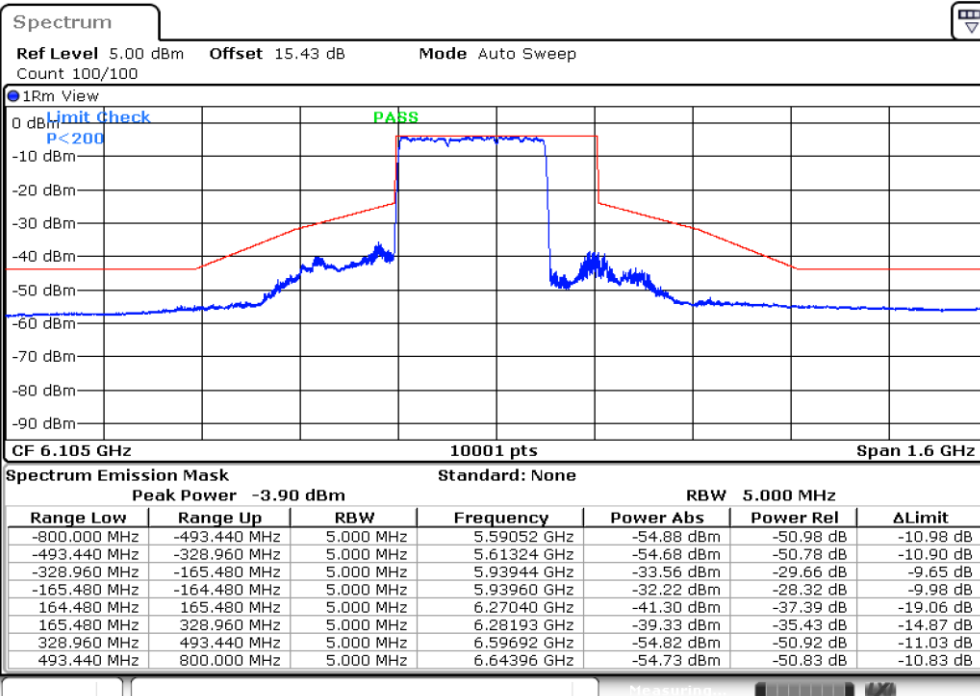


11BE320MIMO_Ant18_6105_Large RU 996*2+484_6



Date: 26.MAY.2023 03:05:26

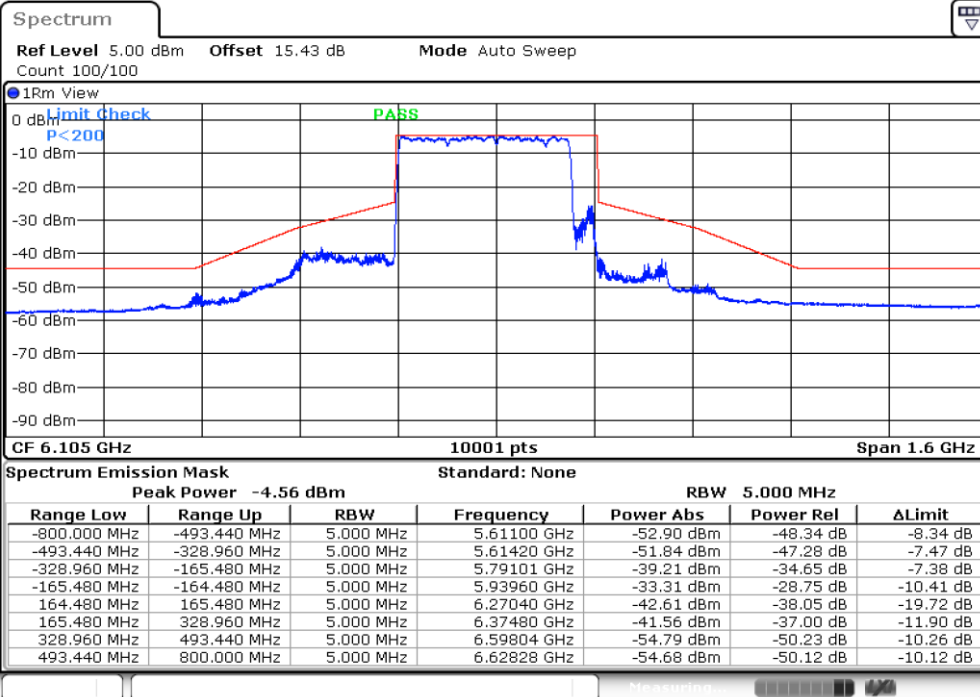
11BE320MIMO_Ant18_6105_Large RU 996*3_4



Date: 26.MAY.2023 03:06:27

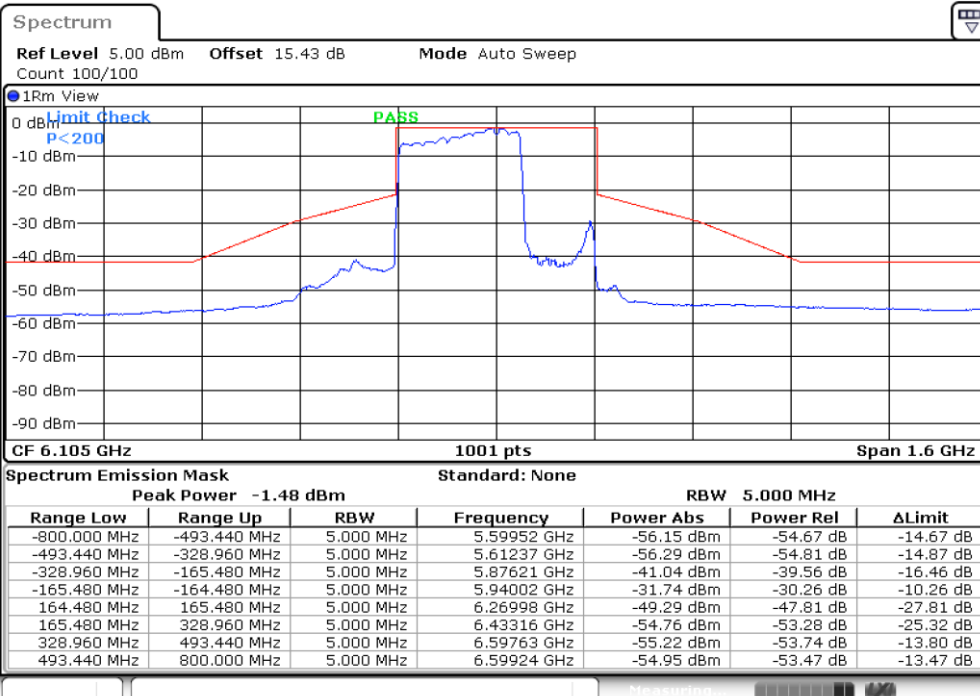


11BE320MIMO_Ant18_6105_Large RU 996*3+484_8



Date: 26.MAY.2023 03:07:40

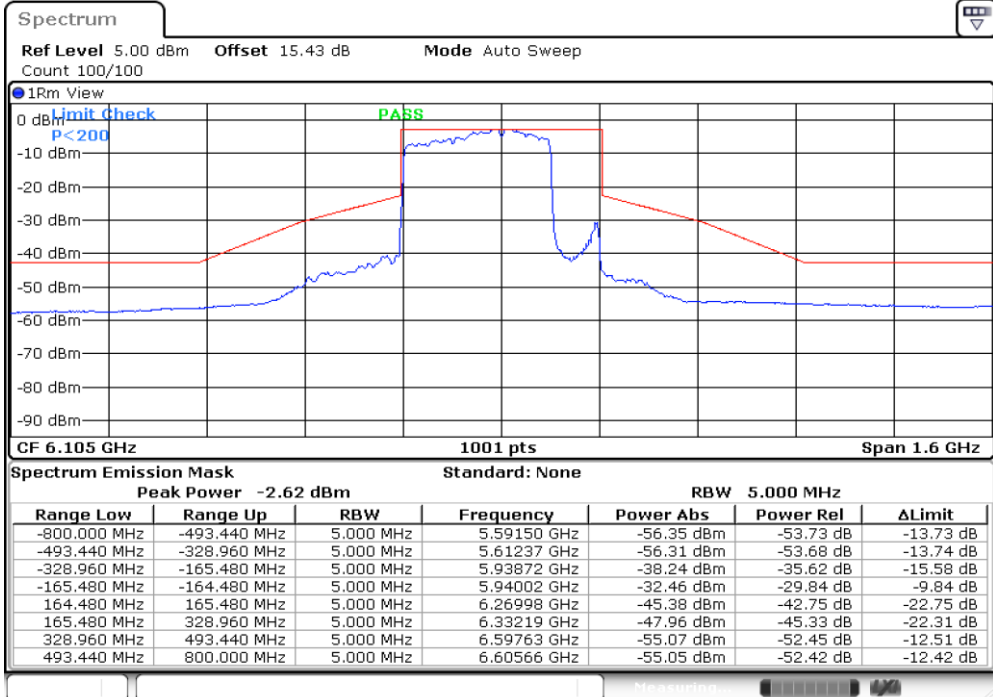
11BE320MIMO_Ant18_6105_Puncturing 80M+40M_6



Date: 26.MAY.2023 06:18:10

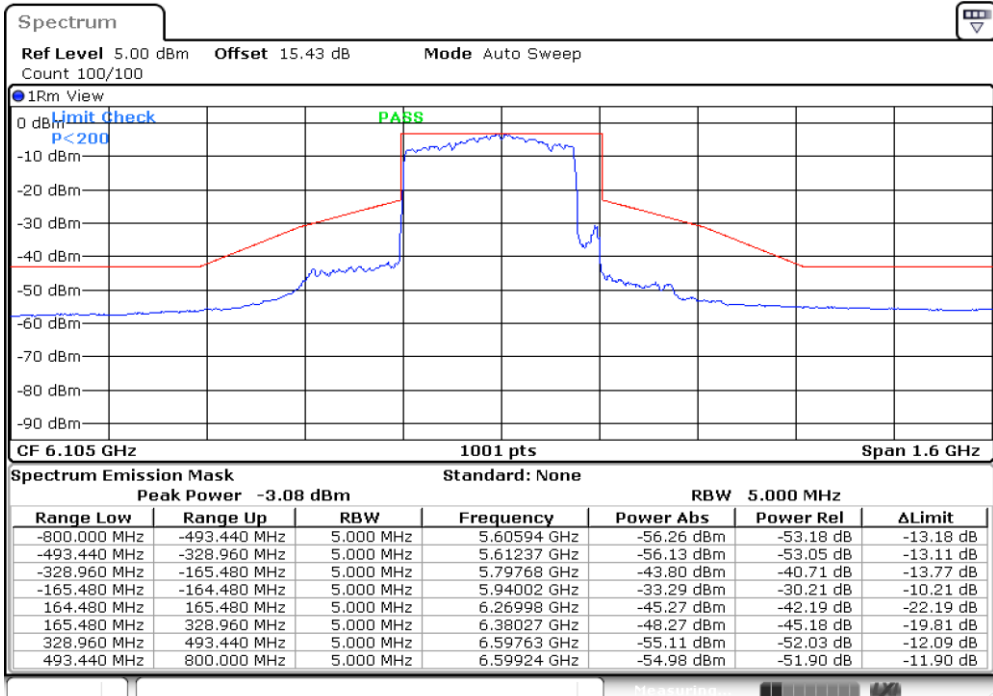


11BE320MIMO_Ant18_6105_Puncturing 80M_4



Date: 26.MAY.2023 06:20:46

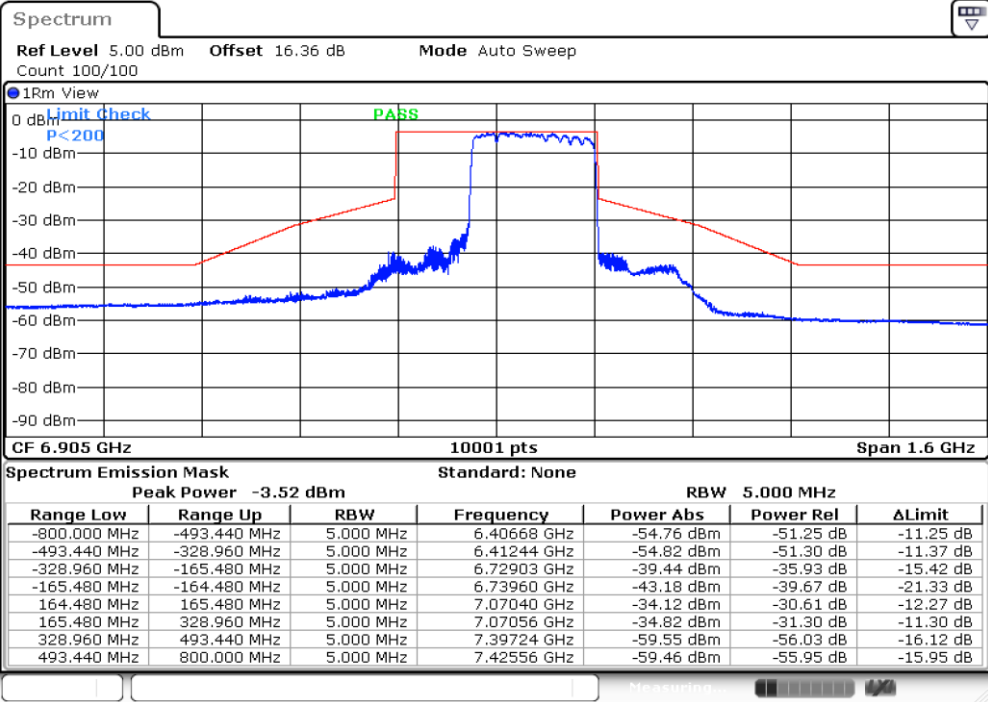
11BE320MIMO_Ant18_6105_Puncturing 40M_8



Date: 26.MAY.2023 06:23:00

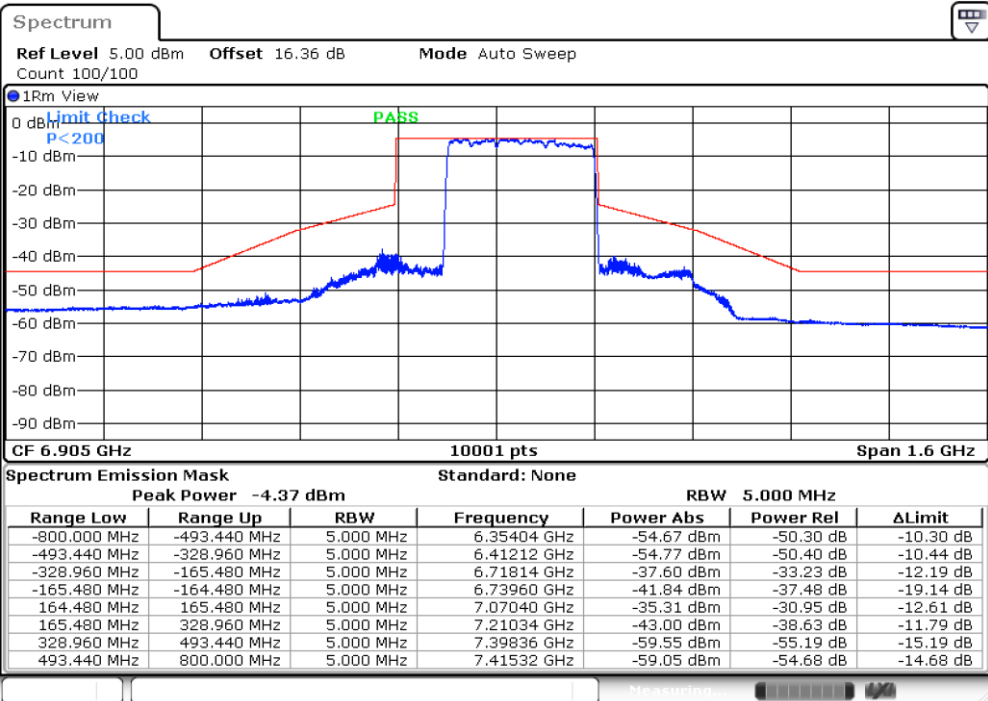


11BE320MIMO_Ant5_6905_Large RU 996*2+484_7



Date: 26.MAY.2023 03:09:05

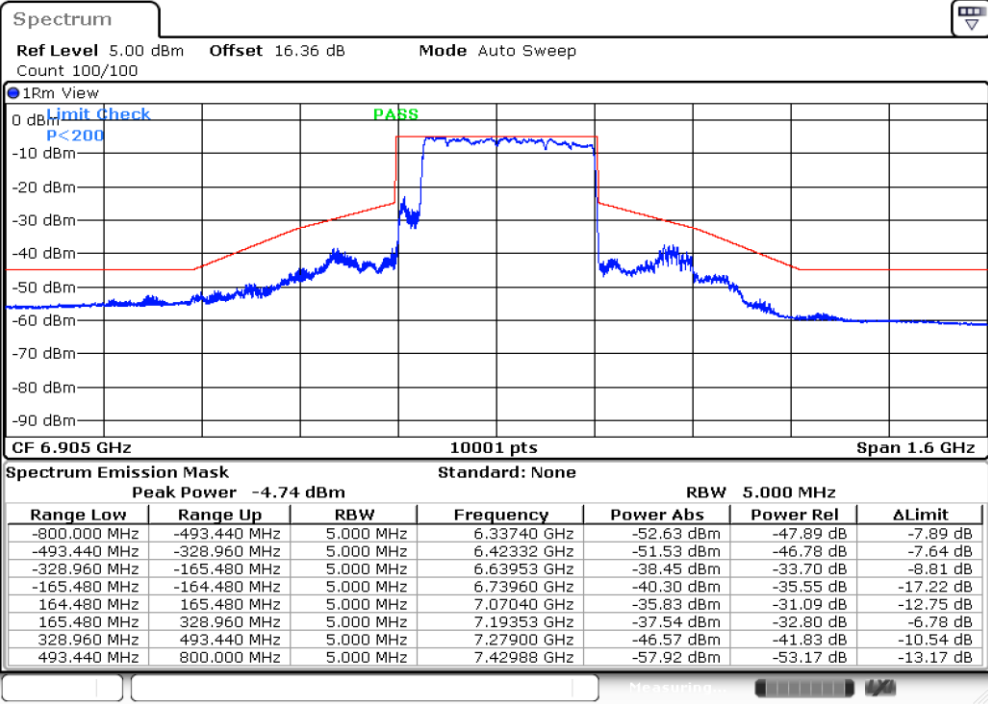
11BE320MIMO_Ant5_6905_Large RU 996*3_1



Date: 26.MAY.2023 03:10:21

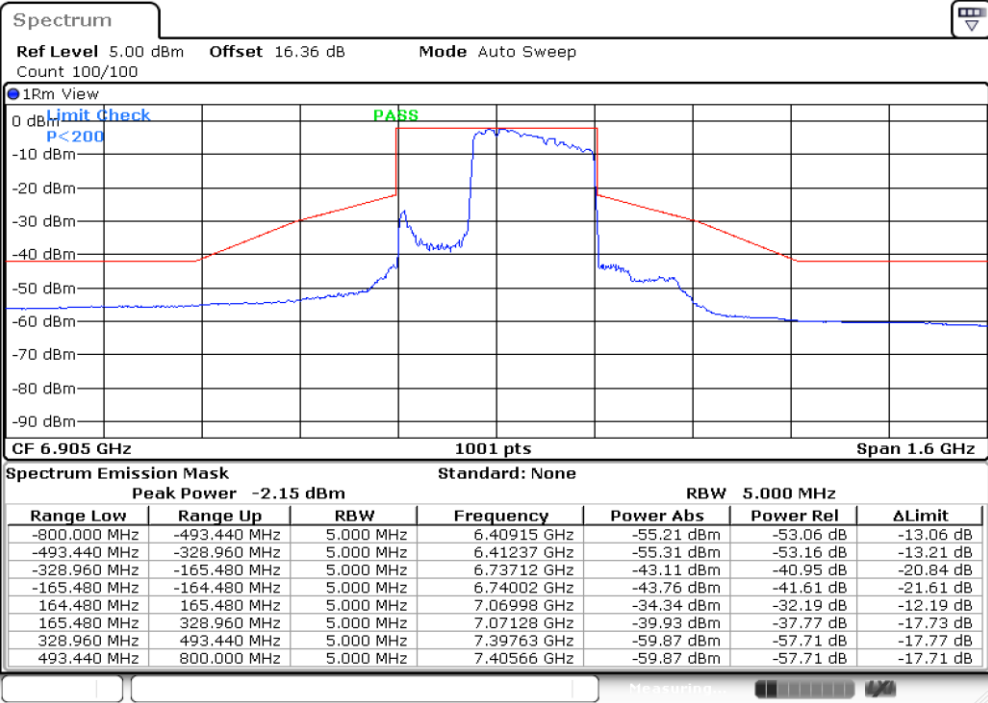


11BE320MIMO_Ant5_6905_Large RU 996*3+484_1

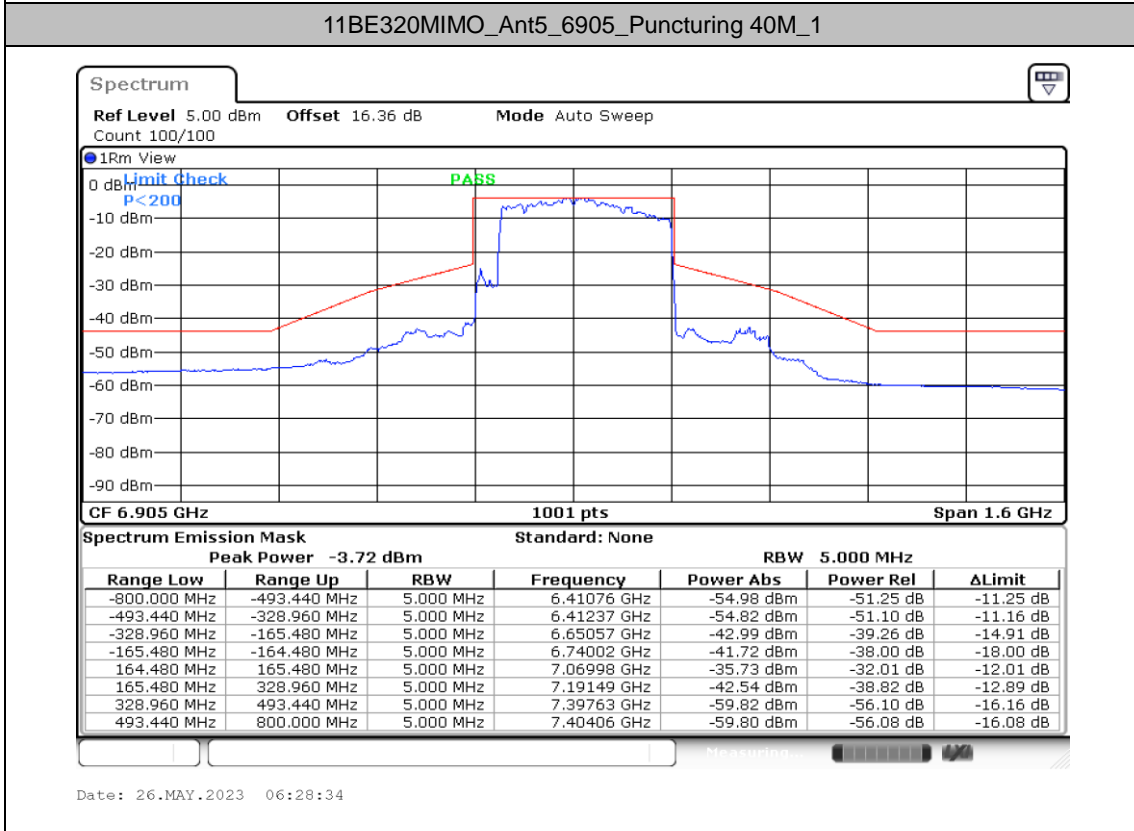
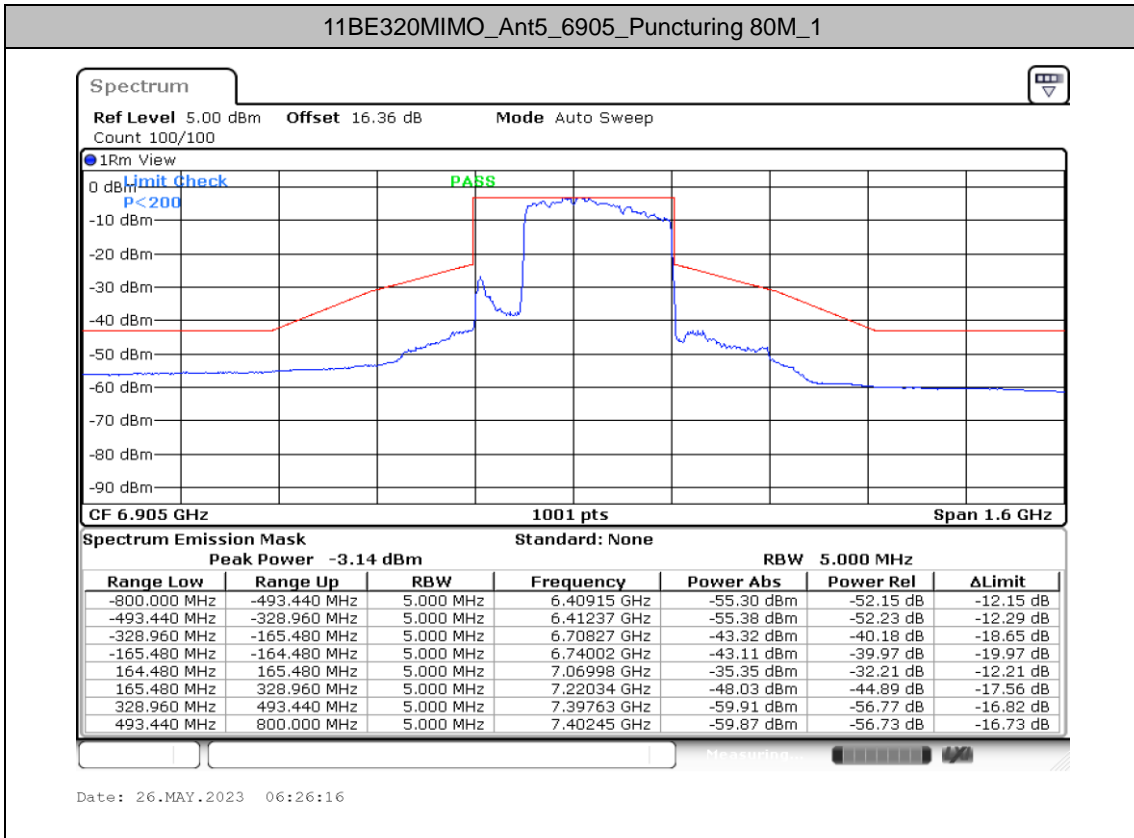


Date: 26.MAY.2023 03:11:16

11BE320MIMO_Ant5_6905_Puncturing 80M+40M_7

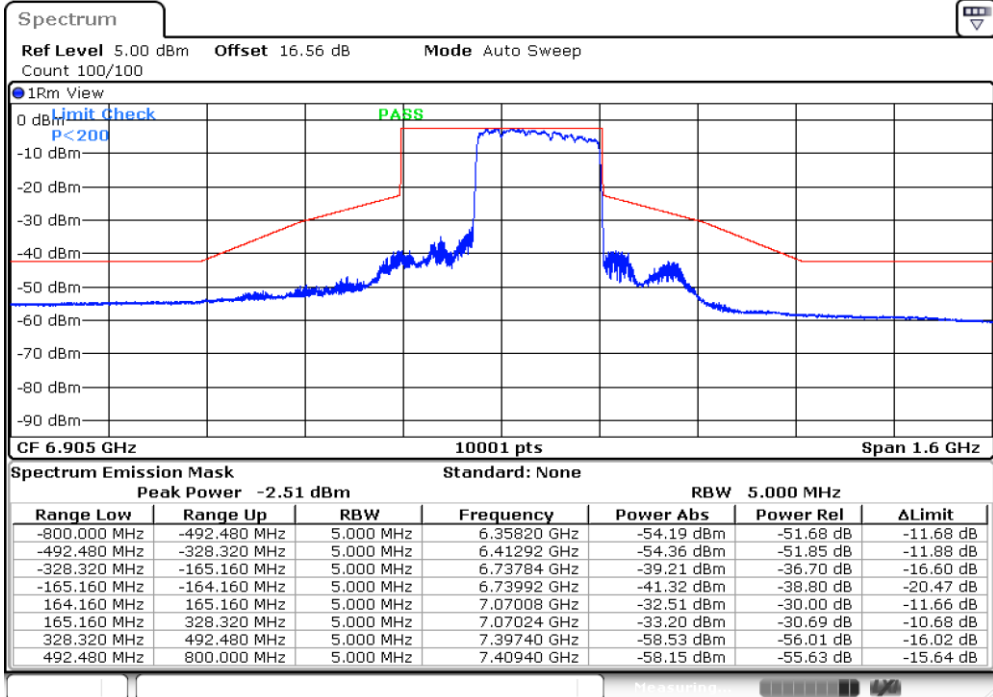


Date: 26.MAY.2023 06:24:21



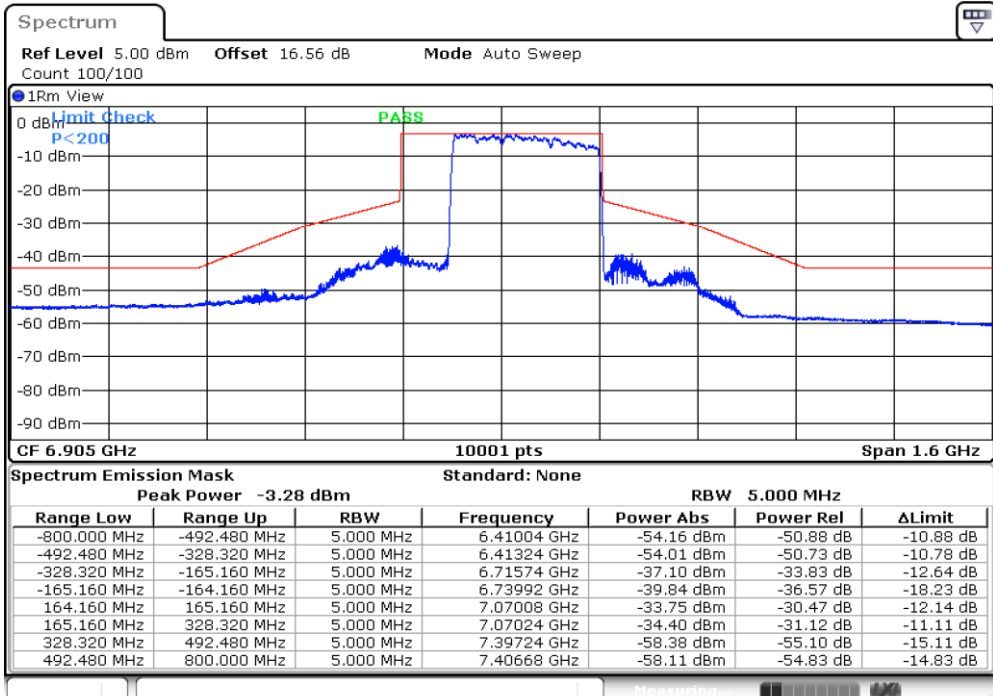


11BE320MIMO_Ant18_6905_Large RU 996*2+484_7



Date: 26.MAY.2023 03:09:24

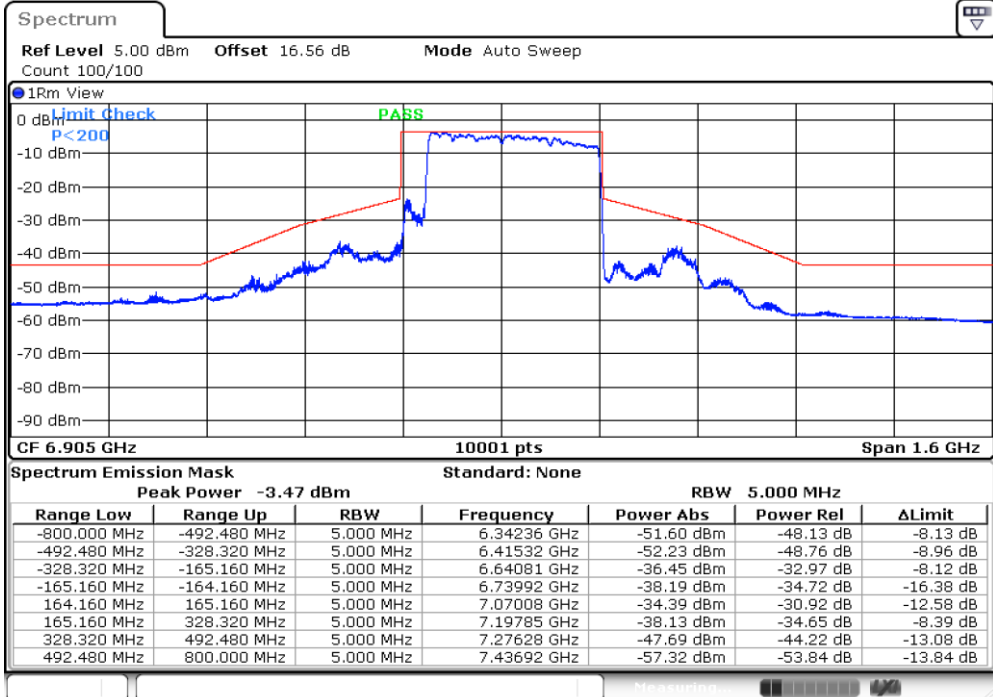
11BE320MIMO_Ant18_6905_Large RU 996*3_1



Date: 26.MAY.2023 03:10:40

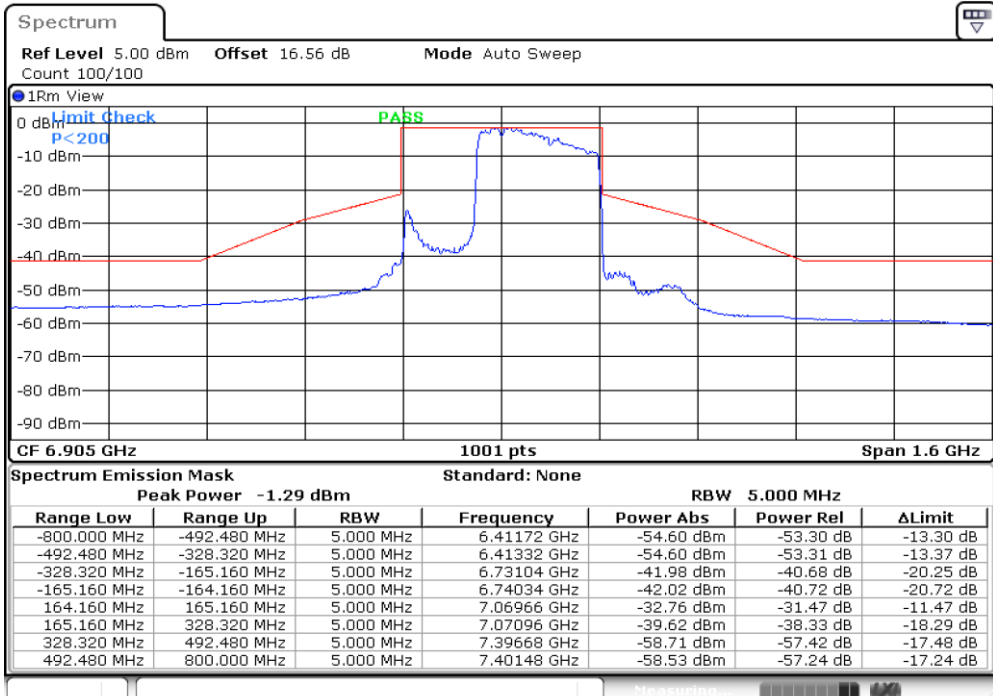


11BE320MIMO_Ant18_6905_Large RU 996*3+484_1

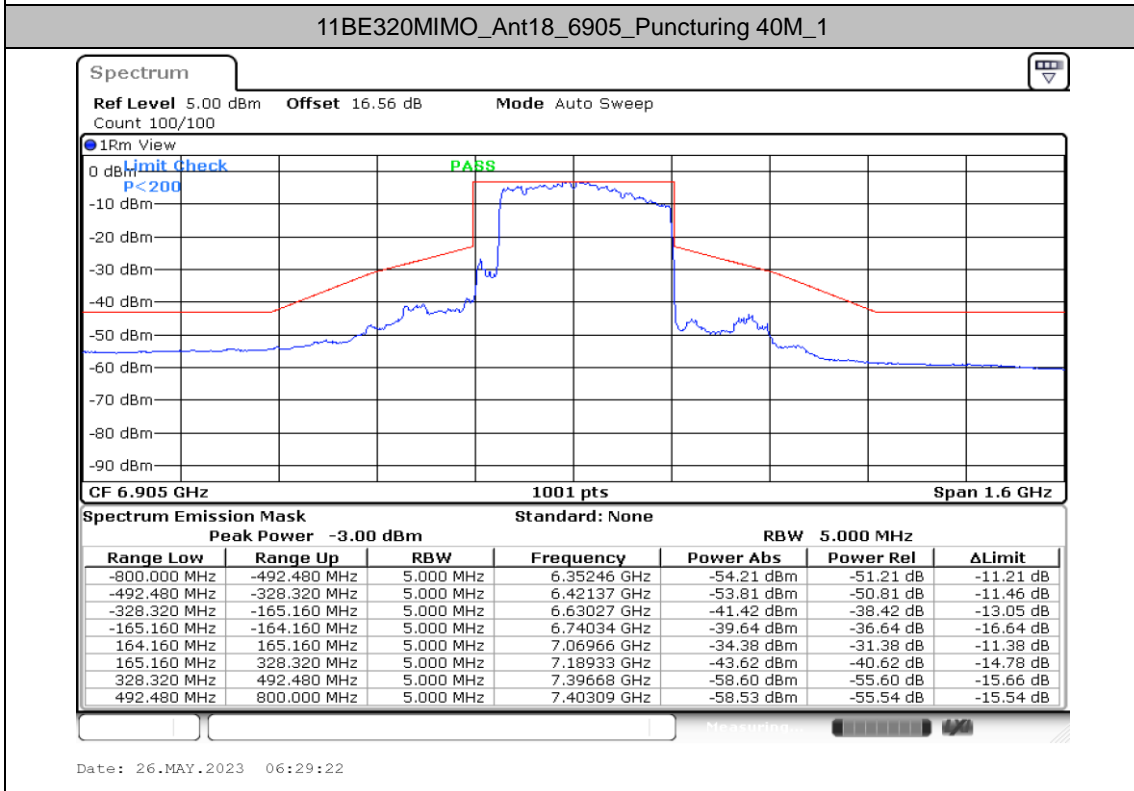
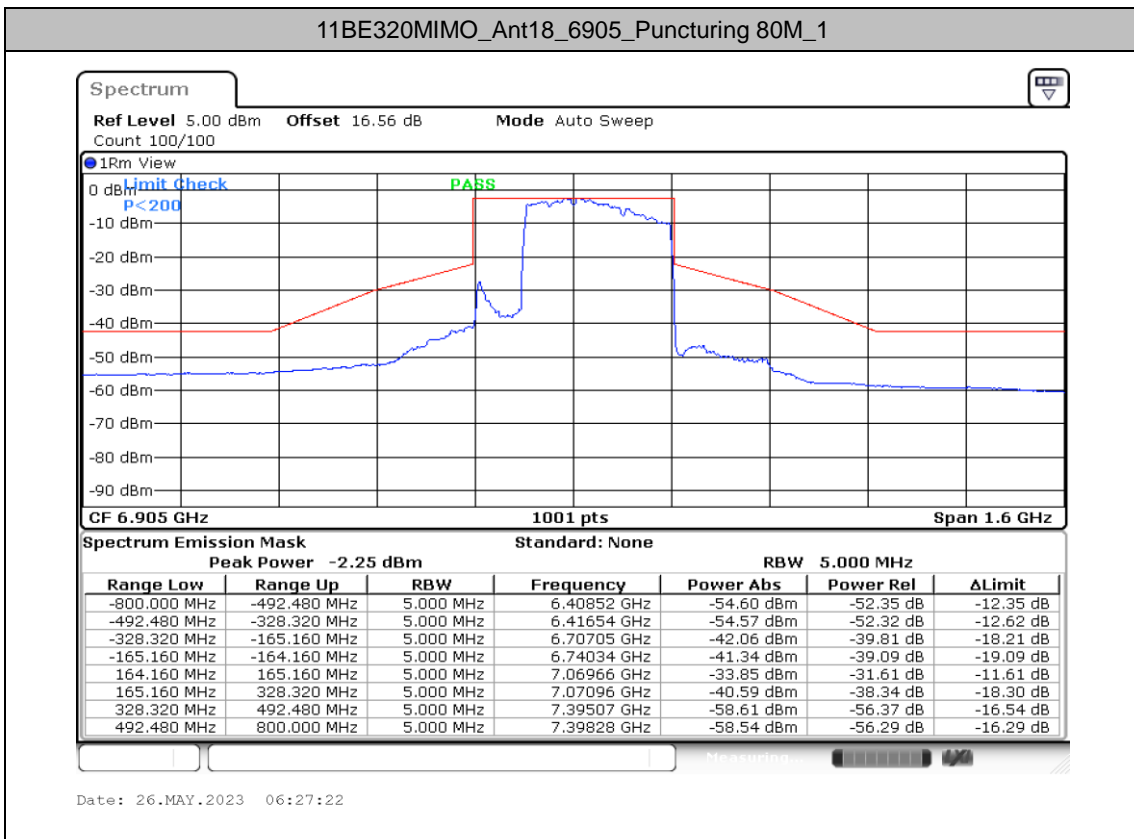


Date: 26.MAY.2023 03:12:37

11BE320MIMO_Ant18_6905_Puncturing 80M+40M_7



Date: 26.MAY.2023 06:25:07





Appendix B. Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	24~25°C
		Relative Humidity :	48~49%

U-NII 5 - 5925-6425MHzMHz

WIFI 802.11be EHT320 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Full CH 31 6105MHz		5846.16	62.38	-25.82	88.2	47.58	35.25	10.19	30.64	100	0	P	H
		5841.56	55.39	-12.81	68.2	40.58	35.25	10.19	30.63	100	0	A	H
	*	6105	91.81	-	-	76.7	35.56	10.36	30.81	100	0	P	H
	*	6105	85.19	-	-	70.08	35.56	10.36	30.81	100	0	A	H
		5850.76	56.33	-31.87	88.2	41.53	35.25	10.19	30.64	100	360	P	V
		5850.3	49.79	-18.41	68.2	34.99	35.25	10.19	30.64	100	360	A	V
	*	6105	89	-	-	73.89	35.56	10.36	30.81	100	360	P	V
	*	6105	82.3	-	-	67.19	35.56	10.36	30.81	100	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Puncturing 80M+40M - ⑥ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 80M+40M CH 31 6105MHz		5882.5	58.69	-29.51	88.2	43.82	35.31	10.21	30.65	100	0	P	H
		5881.12	51.04	-17.16	68.2	36.17	35.31	10.21	30.65	100	0	A	H
	*	6105	95.55	-	-	80.44	35.56	10.36	30.81	100	0	P	H
	*	6105	88.72	-	-	73.61	35.56	10.36	30.81	100	0	A	H
		5867.32	58.16	-30.04	88.2	43.31	35.28	10.21	30.64	180	268	P	V
		5867.78	52.05	-16.15	68.2	37.2	35.28	10.21	30.64	180	268	A	V
	*	6105	91.45	-	-	76.34	35.56	10.36	30.81	180	268	P	V
	*	6105	85.07	-	-	69.96	35.56	10.36	30.81	180	268	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Puncturing 80M - ④ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 80M CH 31 6105MHz		5923.44	59.35	-28.85	88.2	44.39	35.39	10.24	30.67	172	134	P	H
		5923.44	51.88	-16.32	68.2	36.92	35.39	10.24	30.67	172	134	A	H
	*	6105	93.13	-	-	78.02	35.56	10.36	30.81	172	134	P	H
	*	6105	87.06	-	-	71.95	35.56	10.36	30.81	172	134	A	H
		5922.98	58.54	-29.66	88.2	43.58	35.39	10.24	30.67	180	292	P	V
		5912.4	51.48	-16.72	68.2	36.54	35.36	10.24	30.66	180	292	A	V
	*	6105	92.51	-	-	77.4	35.56	10.36	30.81	180	292	P	V
	*	6105	86.19	-	-	71.08	35.56	10.36	30.81	180	292	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Puncturing 40M - ⑧ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 40M CH 31 6105MHz		5915.62	54.85	-33.35	88.2	39.91	35.36	10.24	30.66	100	309	P	H
		5921.14	48.47	-19.73	68.2	33.54	35.36	10.24	30.67	100	309	A	H
	*	6105	92.27	-	-	77.16	35.56	10.36	30.81	100	309	P	H
	*	6105	85.13	-	-	70.02	35.56	10.36	30.81	100	309	A	H
		5917.92	53.5	-34.7	88.2	38.56	35.36	10.24	30.66	100	6	P	V
		5835.58	46.28	-21.92	68.2	31.5	35.22	10.19	30.63	100	6	A	V
	*	6105	88.13	-	-	73.02	35.56	10.36	30.81	100	6	P	V
*	6105	81.05	-	-	65.94	35.56	10.36	30.81	100	6	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Large RU 996*2+484 - ⑧ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*2+484 CH 31 6105MHz		5911.02	54.09	-34.11	88.2	39.15	35.36	10.24	30.66	280	88	P	H
		5847.54	46.1	-22.1	68.2	31.3	35.25	10.19	30.64	280	88	A	H
	*	6105	83.61	-	-	68.5	35.56	10.36	30.81	280	88	P	H
	*	6105	76.59	-	-	61.48	35.56	10.36	30.81	280	88	A	H
		5877.44	63.61	-24.59	88.2	48.74	35.31	10.21	30.65	253	83	P	V
		5866.4	54.26	-13.94	68.2	39.41	35.28	10.21	30.64	253	83	A	V
	*	6105	92.72	-	-	77.61	35.56	10.36	30.81	253	83	P	V
*	6105	85.35	-	-	70.24	35.56	10.36	30.81	253	83	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Large RU 996*3 - ④ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*3 CH 31 6105MHz		5916.54	64.71	-23.49	88.2	49.77	35.36	10.24	30.66	100	324	P	H
		5920.22	55.86	-12.34	68.2	40.92	35.36	10.24	30.66	100	324	A	H
	*	6105	92.92	-	-	77.81	35.56	10.36	30.81	100	324	P	H
	*	6105	86.22	-	-	71.11	35.56	10.36	30.81	100	324	A	H
		5922.98	63.82	-24.38	88.2	48.86	35.39	10.24	30.67	216	258	P	V
		5917.46	54.82	-13.38	68.2	39.88	35.36	10.24	30.66	216	258	A	V
	*	6105	90.29	-	-	75.18	35.56	10.36	30.81	216	258	P	V
	*	6105	83.32	-	-	68.21	35.56	10.36	30.81	216	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925-6425MHz

WIFI 802.11be EHT320 Large RU 996*3+484 - ⑧ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*3+484 CH 31 6105MHz		5877.44	54.19	-34.01	88.2	39.32	35.31	10.21	30.65	308	272	P	H
		5872.84	46.83	-21.37	68.2	31.96	35.31	10.21	30.65	308	272	A	H
	*	6105	81.72	-	-	66.61	35.56	10.36	30.81	308	272	P	H
	*	6105	75.04	-	-	59.93	35.56	10.36	30.81	308	272	A	H
		5923.9	59.6	-28.6	88.2	44.64	35.39	10.24	30.67	173	62	P	V
		5917.46	50.75	-17.45	68.2	35.81	35.36	10.24	30.66	173	62	A	V
	*	6105	89.72	-	-	74.61	35.56	10.36	30.81	173	62	P	V
	*	6105	81.85	-	-	66.74	35.56	10.36	30.81	173	62	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5

WIFI 802.11be EHT320 Full (Harmonic @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Full CH 31 6105MHz		12210	49.46	-24.54	74	53.77	39.28	14.04	57.63	-	-	P	H
		12210	49.62	-24.38	74	53.93	39.28	14.04	57.63	-	-	P	V
802.11be EHT320 Full CH 63 6265MHz		12530	50.26	-23.74	74	53.26	39.41	14.74	57.15	-	-	P	H
		12530	50.14	-23.86	74	53.14	39.41	14.74	57.15	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5-6 5925~6425MHz

WIFI 802.11be EHT320 Full (Harmonic @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Full CH 95 6425MHz		12850	53.33	-34.87	88.2	56.16	39.47	15.36	57.66	-	-	P	H
		12850	51.22	-36.98	88.2	54.05	39.47	15.36	57.66	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-6-7 - 6425-6875MHz

WIFI 802.11be EHT320 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT320 Full		13170	50.13	-38.07	88.2	52.96	39.5	15.57	57.9	-	-	P	H
CH 127 6585MHz		13170	50.32	-37.88	88.2	53.15	39.5	15.57	57.9	-	-	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												
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UNII-7 - 6525-7125MHz

WIFI 802.11be EHT320 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11be EHT320 Full CH 191 6905MHz	*	6905	94.15	-	-	77.92	36.2	11.23	31.2	135	129	P	H
	*	6905	86.39	-	-	70.16	36.2	11.23	31.2	135	129	A	H
		7198.125	62.6	-25.6	88.2	46.48	36.13	11.11	31.12	135	129	P	H
		7280.625	55.42	-18.58	74	39.23	36.08	11.19	31.08	135	129	P	H
		7198.125	53.49	-14.71	68.2	37.37	36.13	11.11	31.12	135	129	A	H
		7278.125	48.01	-5.99	54	31.82	36.08	11.19	31.08	135	129	A	H
	*	6905	89.54	-	-	73.31	36.2	11.23	31.2	274	360	P	V
	*	6905	82.8	-	-	66.57	36.2	11.23	31.2	274	360	A	V
		7180	55.71	-32.49	88.2	39.47	36.15	11.22	31.13	274	360	P	V
		7268.75	55.26	-18.74	74	39.08	36.08	11.19	31.09	274	360	P	V
		7151.875	47.85	-20.35	68.2	31.59	36.18	11.22	31.14	274	360	A	V
		7269.375	46.93	-7.07	54	30.75	36.08	11.19	31.09	274	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Puncturing 80M+40M-⑦ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 80M+40M CH 191 6905MHz	*	6905	95	-	-	78.77	36.2	11.23	31.2	164	118	P	H
	*	6905	88	-	-	71.77	36.2	11.23	31.2	164	118	A	H
		7146.875	55.4	-32.8	88.2	39.14	36.18	11.22	31.14	164	118	P	H
		7321.25	54.44	-19.56	74	38.23	36.04	11.24	31.07	164	118	P	H
		7187.5	49.54	-18.66	68.2	33.41	36.15	11.11	31.13	164	118	A	H
		7298.75	47.91	-6.09	54	31.7	36.05	11.24	31.08	164	118	A	H
	*	6905	93.76	-	-	77.53	36.2	11.23	31.2	180	286	P	V
	*	6905	87.04	-	-	70.81	36.2	11.23	31.2	180	286	A	V
		7205	55.3	-32.9	88.2	39.18	36.13	11.11	31.12	180	286	P	V
		7350	54.67	-19.33	74	38.44	36.01	11.28	31.06	180	286	P	V
	7187.5	48.84	-19.36	68.2	32.71	36.15	11.11	31.13	180	286	A	V	
	7332.5	48.36	-5.64	54	32.14	36.04	11.24	31.06	180	286	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Puncturing 80M- ① (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 80M CH 191 6905MHz	*	6905	94.01	-	-	77.78	36.2	11.23	31.2	100	116	P	H
	*	6905	86.93	-	-	70.7	36.2	11.23	31.2	100	116	A	H
		7126.875	58.76	-29.44	88.2	42.38	36.2	11.33	31.15	100	116	P	H
		7306.875	54.84	-19.16	74	38.62	36.05	11.24	31.07	100	116	P	H
		7127.5	52.45	-15.75	68.2	36.07	36.2	11.33	31.15	100	116	A	H
		7289.375	48.02	-5.98	54	31.84	36.07	11.19	31.08	100	116	A	H
	*	6905	91.54	-	-	75.31	36.2	11.23	31.2	100	309	P	V
	*	6905	84	-	-	67.77	36.2	11.23	31.2	100	309	A	V
		7202.5	56.54	-31.66	88.2	40.42	36.13	11.11	31.12	100	309	P	V
		7285.625	55.05	-18.95	74	38.87	36.07	11.19	31.08	100	309	P	V
	7215.625	48.42	-19.78	68.2	32.31	36.12	11.11	31.12	100	309	A	V	
	7335.625	47.97	-6.03	54	31.77	36.02	11.24	31.06	100	309	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Puncturing 40M- ① (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Puncturing 40M CH 191 6905MHz	*	6905	92.68	-	-	76.45	36.2	11.23	31.2	100	123	P	H
	*	6905	85.72	-	-	69.49	36.2	11.23	31.2	100	123	A	H
		7193.125	58.5	-29.7	88.2	42.37	36.15	11.11	31.13	100	123	P	H
		7252.5	54.8	-19.2	74	38.65	36.09	11.15	31.09	100	123	P	H
		7186.875	52.13	-16.07	68.2	36	36.15	11.11	31.13	100	123	A	H
		7275	47.81	-6.19	54	31.62	36.08	11.19	31.08	100	123	A	H
	*	6905	92.99	-	-	76.76	36.2	11.23	31.2	319	98	P	V
	*	6905	85.95	-	-	69.72	36.2	11.23	31.2	319	98	A	V
		7187.5	56.49	-31.71	88.2	40.36	36.15	11.11	31.13	319	98	P	V
		7282.5	54.81	-19.19	74	38.63	36.07	11.19	31.08	319	98	P	V
	7193.125	49.17	-19.03	68.2	33.04	36.15	11.11	31.13	319	98	A	V	
	7292.5	47.42	-6.58	54	31.24	36.07	11.19	31.08	319	98	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Large RU 996*2+484-⑦ (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*2+484 CH 191 6905MHz	*	6905	93.41	-	-	77.18	36.2	11.23	31.2	100	123	P	H
	*	6905	86.51	-	-	70.28	36.2	11.23	31.2	100	123	A	H
		7182.5	63.49	-24.71	88.2	47.36	36.15	11.11	31.13	100	123	P	H
		7256.875	55.21	-18.79	74	39.06	36.09	11.15	31.09	100	123	P	H
		7181.25	54.72	-13.48	68.2	38.48	36.15	11.22	31.13	100	123	A	H
		7252.5	47.75	-6.25	54	31.6	36.09	11.15	31.09	100	123	A	H
	*	6905	94.85	-	-	78.62	36.2	11.23	31.2	273	100	P	V
	*	6905	86.73	-	-	70.5	36.2	11.23	31.2	273	100	A	V
		7185	58.97	-29.23	88.2	42.84	36.15	11.11	31.13	273	100	P	V
		7273.125	54.32	-19.68	74	38.13	36.08	11.19	31.08	273	100	P	V
	7168.75	50.12	-18.08	68.2	33.88	36.16	11.22	31.14	273	100	A	V	
	7286.25	47.79	-6.21	54	31.61	36.07	11.19	31.08	273	100	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Large RU 996*3-1 (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*3 CH 191 6905MHz	*	6905	93.56	-	-	77.33	36.2	11.23	31.2	100	117	P	H
	*	6905	86.39	-	-	70.16	36.2	11.23	31.2	100	117	A	H
		7127.5	66.09	-22.11	88.2	49.71	36.2	11.33	31.15	100	117	P	H
		7280.625	54.44	-19.56	74	38.25	36.08	11.19	31.08	100	117	P	H
		7127.5	56.39	-11.81	68.2	40.01	36.2	11.33	31.15	100	117	A	H
		7262.5	48.34	-5.66	54	32.15	36.09	11.19	31.09	100	117	A	H
	*	6905	90.17	-	-	73.94	36.2	11.23	31.2	100	344	P	V
	*	6905	83.81	-	-	67.58	36.2	11.23	31.2	100	344	A	V
		7129.375	63	-25.2	88.2	46.63	36.19	11.33	31.15	100	344	P	V
		7297.5	55.21	-18.79	74	39.03	36.07	11.19	31.08	100	344	P	V
	7129.375	52.98	-15.22	68.2	36.61	36.19	11.33	31.15	100	344	A	V	
	7285.625	47.62	-6.38	54	31.44	36.07	11.19	31.08	100	344	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7 - 6525-7125MHz

WIFI 802.11be EHT320 Large RU 996*3+484-① (Band Edge @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Large RU 996*3+484 CH 191 6905MHz	*	6905	91.82	-	-	75.59	36.2	11.23	31.2	100	118	P	H
	*	6905	84.65	-	-	68.42	36.2	11.23	31.2	100	118	A	H
		7182.5	67.88	-20.32	88.2	51.75	36.15	11.11	31.13	100	118	P	H
		7262.5	58	-16	74	41.81	36.09	11.19	31.09	100	118	P	H
		7181.25	56.56	-11.64	68.2	40.32	36.15	11.22	31.13	100	118	A	H
		7267.5	47.89	-6.11	54	31.71	36.08	11.19	31.09	100	118	A	H
	*	6905	89.81	-	-	73.58	36.2	11.23	31.2	100	343	P	V
	*	6905	82.66	-	-	66.43	36.2	11.23	31.2	100	343	A	V
		7190	64.67	-23.53	88.2	48.54	36.15	11.11	31.13	100	343	P	V
		7274.375	55.35	-18.65	S74	39.16	36.08	11.19	31.08	100	343	P	V
	7195	54.1	-14.1	68.2	37.96	36.15	11.11	31.12	100	343	A	V	
	7291.875	46.57	-7.43	54	30.39	36.07	11.19	31.08	100	343	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-7-8 - 6525-7125MHz

WIFI 802.11be EHT320 Full (Harmonic @ 3m)

WIFI Ant. 5+18	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11be EHT320 Full		13490	50.65	-37.55	88.2	53.68	39.5	15.37	57.9	-	-	P	H
CH 159 6745MHz		13490	50.97	-37.23	88.2	54	39.5	15.37	57.9	-	-	P	V
802.11be EHT320 Full		13810	50.3	-37.9	88.2	54.1	39.63	15.17	58.6	-	-	P	H
CH 191 6905MHz		13810	50.96	-37.24	88.2	54.76	39.63	15.17	58.6	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

*	Fundamental Frequency which can be ignored. However, tEHT level of any unwanted emissions shall not exceed tEHT level of tEHT fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	(dB)	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
10+13		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with tEHT limit line, so test result is “PASS”.



Appendix C. Radiated Spurious Emission

Note symbol

-L	Low channel location
-R	High channel location

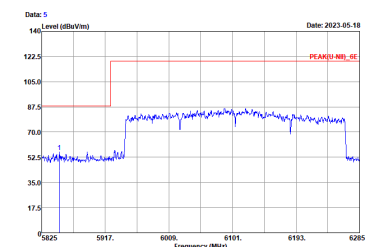
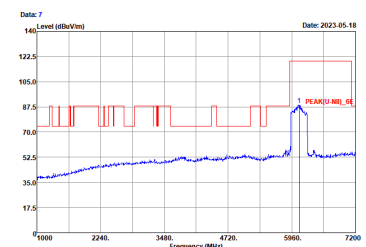
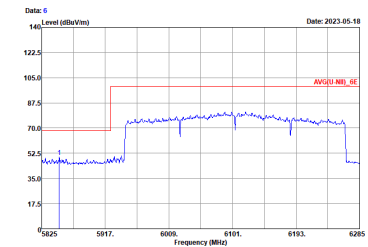
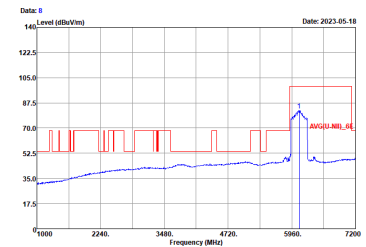


U-NII 5 - 5925-6425MHzMHz

WIFI 802.11be EHT320 Full (Band Edge @ 3m)

WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m	
ANT	802.11be EHT320 Full CH31 6105MHz	
5+18	Horizontal	Fundamental
Peak	<p>Site : 03CH02-SZ Condition : PEAK(U-NII)_6E 3m HF_ANT_3117_0107 HORIZONTAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>	<p>Site : 03CH02-SZ Condition : PEAK(U-NII)_6E 3m HF_ANT_3117_0107 HORIZONTAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>
Avg.	<p>Site : 03CH02-SZ Condition : AVG(U-NII)_6E 3m HF_ANT_3117_0107 HORIZONTAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>	<p>Site : 03CH02-SZ Condition : AVG(U-NII)_6E 3m HF_ANT_3117_0107 HORIZONTAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>



WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m	
ANT	802.11be EHT320 Full CH31 6105MHz	
5+18	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 5 Date: 2023-05-18</p> <p>Site : 03CH02-SZ Condition : PEAK(U-NII)_6E 3m HF_ANT_3117_0107 VERTICAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>	 <p>Date: 7 Date: 2023-05-18</p> <p>Site : 03CH02-SZ Condition : PEAK(U-NII)_6E 3m HF_ANT_3117_0107 VERTICAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>
<p>Avg.</p>	 <p>Date: 6 Date: 2023-05-18</p> <p>Site : 03CH02-SZ Condition : AVG(U-NII)_6E 3m HF_ANT_3117_0107 VERTICAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>	 <p>Date: 8 Date: 2023-05-18</p> <p>Site : 03CH02-SZ Condition : AVG(U-NII)_6E 3m HF_ANT_3117_0107 VERTICAL Project : 351205 Mode : Mode 38 IMEI : 861585060051503/861585060051551 Plane : Y with Accessories : MCS0 power setting 9.5</p>