

Case No. : <u>GTS20260122012-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2026.3.9</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	21.000	5734.400	5755.400	---	---
		5785	20.920	5774.440	5795.360	---	---
		5825	21.040	5814.440	5835.480	---	---
11N20SISO	Ant1	5745	21.480	5734.280	5755.760	---	---
		5785	21.480	5774.160	5795.640	---	---
		5825	21.520	5814.280	5835.800	---	---
11N40SISO	Ant1	5755	39.200	5735.400	5774.600	---	---
		5795	39.120	5775.480	5814.600	---	---
11AC20SISO	Ant1	5745	20.960	5734.440	5755.400	---	---
		5785	21.120	5774.400	5795.520	---	---
		5825	21.000	5814.440	5835.440	---	---
11AC40SISO	Ant1	5755	39.600	5735.160	5774.760	---	---
		5795	39.520	5775.240	5814.760	---	---
11AC80SISO	Ant1	5775	80.000	5735.320	5815.320	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775

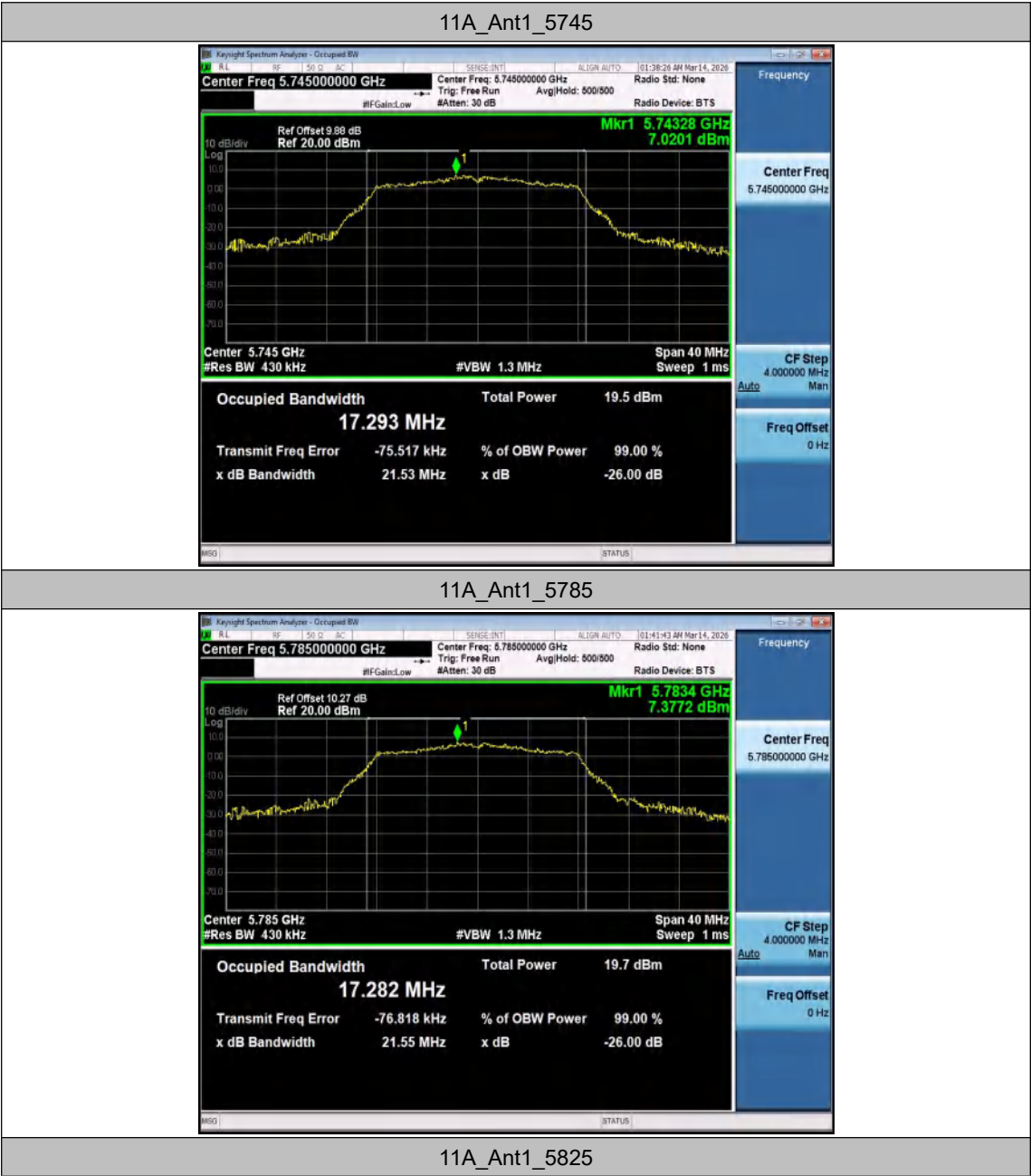


Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.293	5736.2780	5753.5710	---	---
		5785	17.282	5776.2822	5793.5642	---	---
		5825	17.240	5816.3020	5833.5420	---	---
11N20SISO	Ant1	5745	18.270	5735.8439	5754.1139	---	---
		5785	18.259	5775.8475	5794.1065	---	---
		5825	18.241	5815.8376	5834.0786	---	---
11N40SISO	Ant1	5755	36.385	5736.8182	5773.2032	---	---
		5795	36.437	5776.8402	5813.2772	---	---
11AC20SISO	Ant1	5745	18.128	5735.8599	5753.9879	---	---
		5785	18.093	5775.8824	5793.9754	---	---
		5825	18.075	5815.8922	5833.9672	---	---
11AC40SISO	Ant1	5755	36.619	5736.6958	5773.3148	---	---
		5795	36.626	5776.6926	5813.3186	---	---
11AC80SISO	Ant1	5775	75.588	5737.3938	5812.9818	---	---

Test Graphs

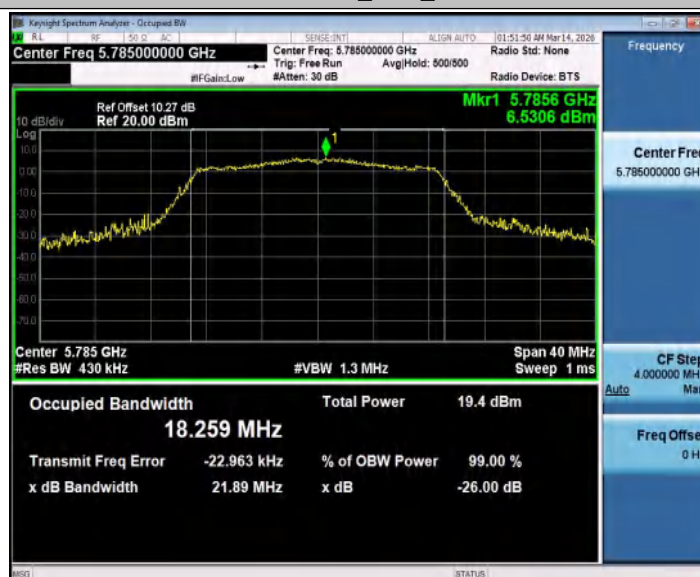




11N20SISO_Ant1_5745



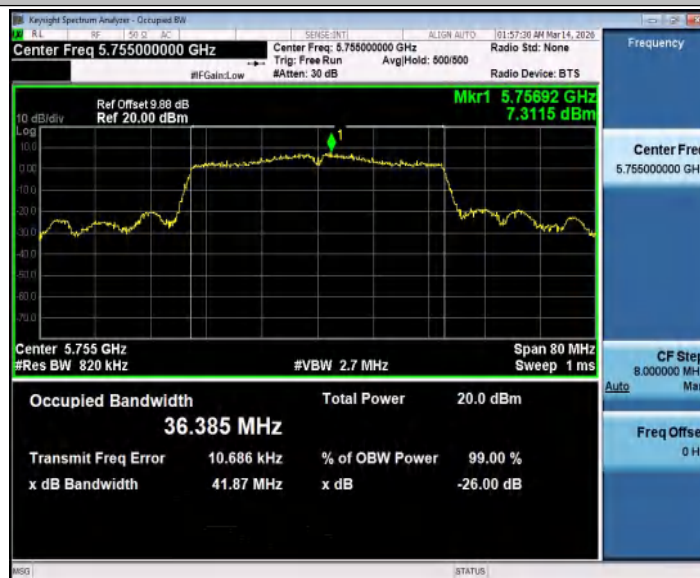
11N20SISO_Ant1_5785



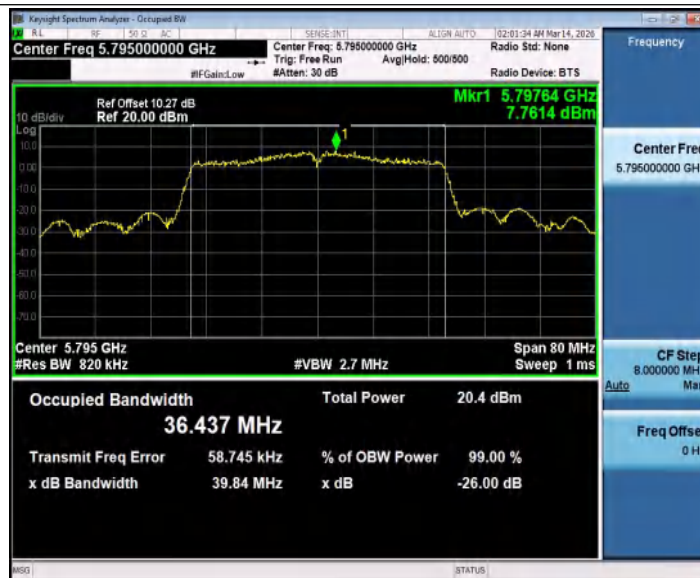
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



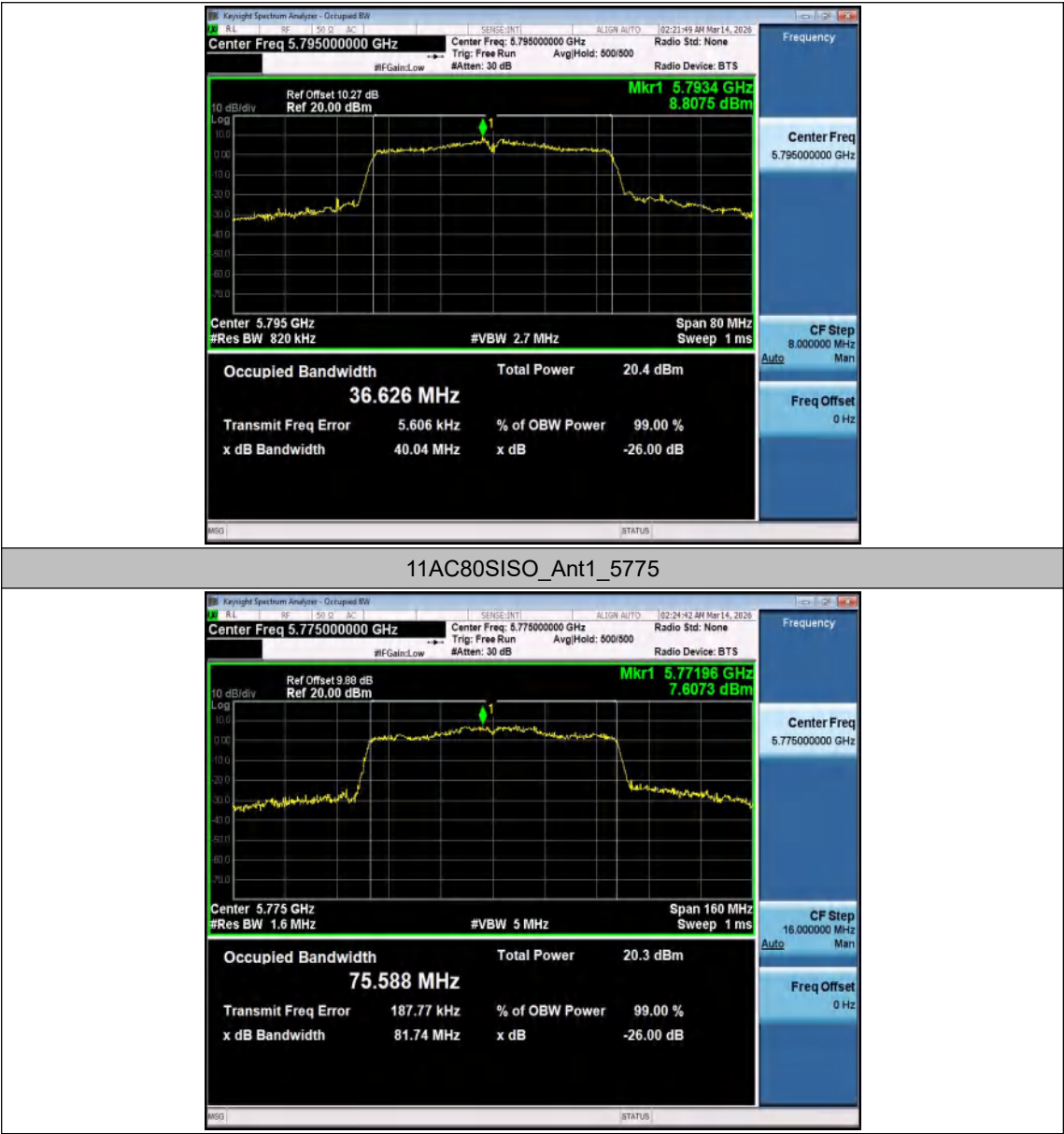
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix E.3: Min emission bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.800	5737.080	5752.880	0.5	PASS
		5785	15.800	5777.080	5792.880	0.5	PASS
		5825	15.440	5817.120	5832.560	0.5	PASS
11N20SISO	Ant1	5745	16.680	5736.440	5753.120	0.5	PASS
		5785	16.040	5777.080	5793.120	0.5	PASS
		5825	16.840	5816.480	5833.320	0.5	PASS
11N40SISO	Ant1	5755	35.600	5737.160	5772.760	0.5	PASS
		5795	35.440	5777.400	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	16.560	5736.560	5753.120	0.5	PASS
		5785	17.520	5776.200	5793.720	0.5	PASS
		5825	17.280	5816.200	5833.480	0.5	PASS
11AC40SISO	Ant1	5755	35.920	5736.840	5772.760	0.5	PASS
		5795	35.760	5776.840	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

Keysight Spectrum Analyzer - Screenshot

Center Freq 5.77500000 GHz

Span 160.0 MHz

Ref Offset 9.58 dB

Ref 20.00 dBm

ΔMkr3 75.20 MHz

0.048 dB

10 dB/div

1

2

3Δ1

-10.0 dBm

Center Freq 5.775000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 15.33 ms (1001 pts)

MR Mode	TRIG	SCL	X	Y	FUNCTION	FUNCTION MATH	FUNCTION VALUE
1	N	1	f	7.737 40 GHz	-3.253 dBm		
2	N	1	f	5.773 24 GHz	-4.074 dBm		
3	Δ1	1	f (Δ)	75.20 MHz (Δ)	0.048 dB		
4							
5							
6							
7							
8							
9							
10							
11							

Auto Tune

Center Freq 5.775000000 GHz

Start Freq 5.695000000 GHz

Stop Freq 5.855000000 GHz

CF Step 16.000000 MHz

Auto Man

Freq Offset 0 Hz

STATUS

Appendix E.4: Duty Cycle

Test Result

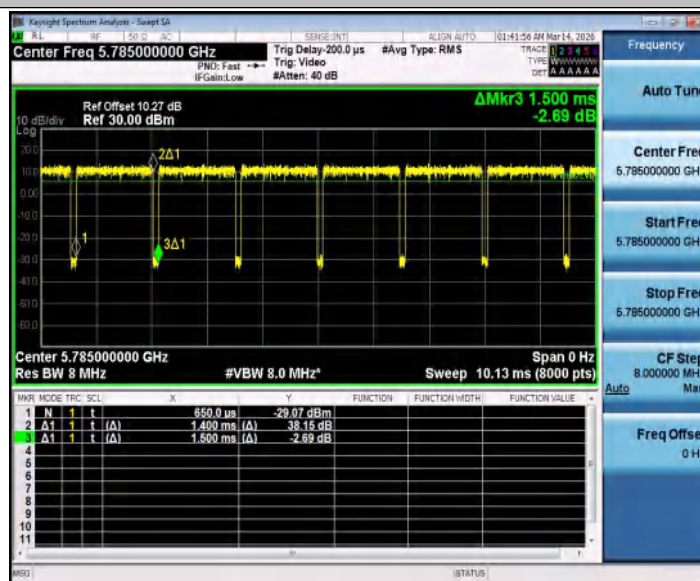
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.39	1.49	93.29	0.30	0.72
		5785	1.40	1.50	93.33	0.30	0.71
		5825	1.40	1.50	93.33	0.30	0.71
11N20SISO	Ant1	5745	1.31	1.41	92.91	0.32	0.76
		5785	1.31	1.41	92.91	0.32	0.76
		5825	1.30	1.41	92.20	0.35	0.77
11N40SISO	Ant1	5755	0.09	0.14	64.29	1.92	11.11
		5795	0.10	0.14	71.43	1.46	10.00
11AC20SISO	Ant1	5745	0.15	0.19	78.95	1.03	6.67
		5785	0.14	0.19	73.68	1.33	7.14
		5825	0.15	0.19	78.95	1.03	6.67
11AC40SISO	Ant1	5755	0.09	0.13	69.23	1.60	11.11
		5795	0.09	0.13	69.23	1.60	11.11
11AC80SISO	Ant1	5775	0.06	0.11	54.55	2.63	16.67

Test Graphs

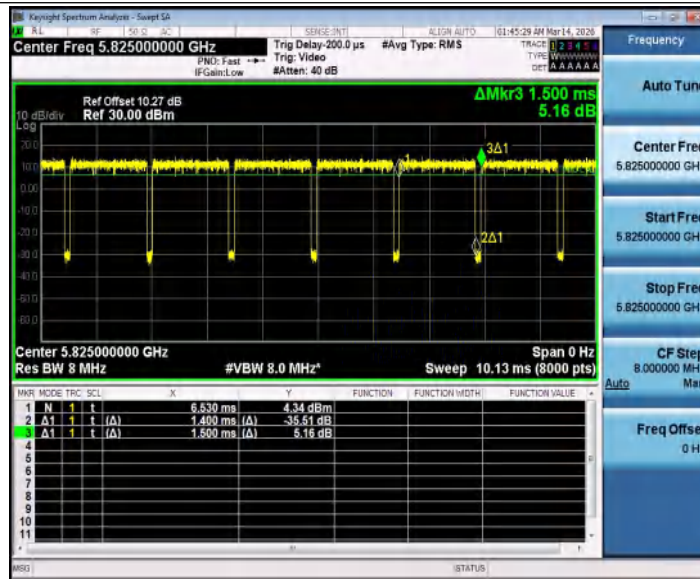
11A_Ant1_5745



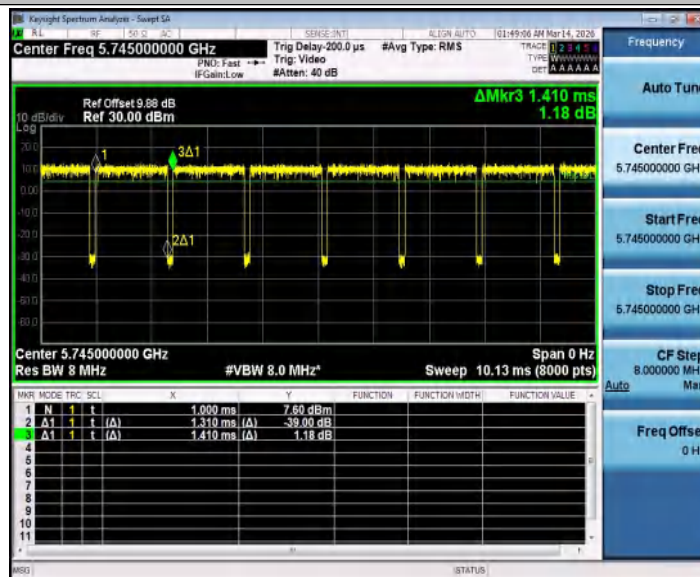
11A_Ant1_5785



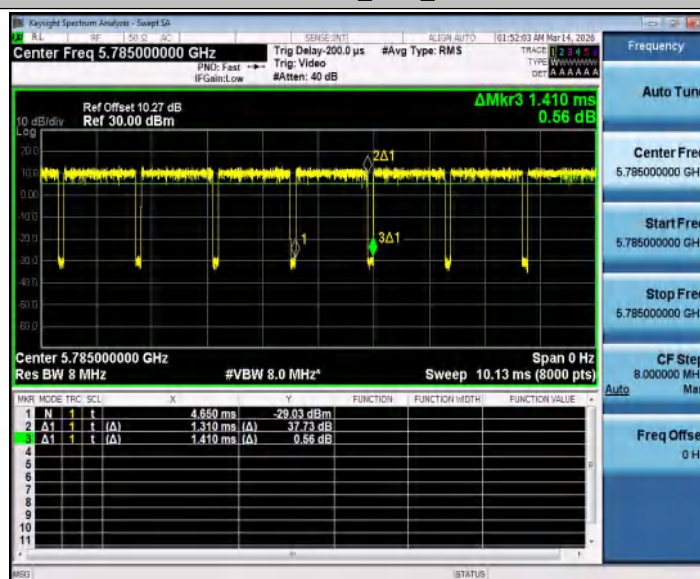
11A_Ant1_5825



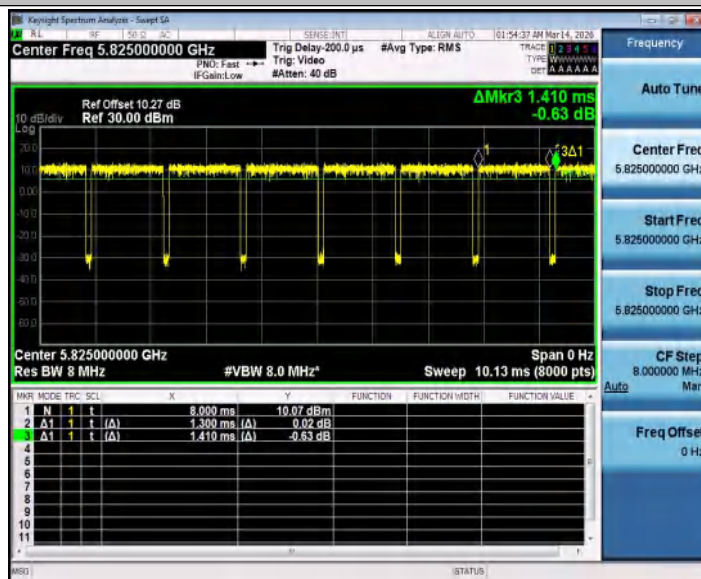
11N20SISO_Ant1_5745



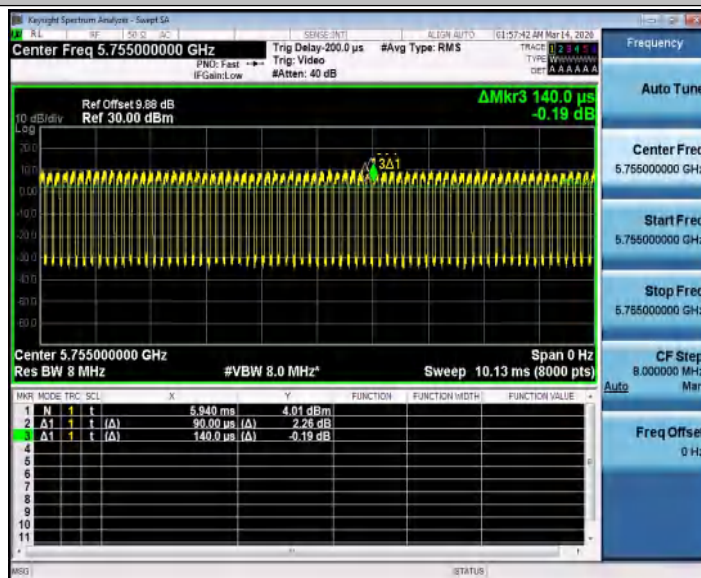
11N20SISO_Ant1_5785



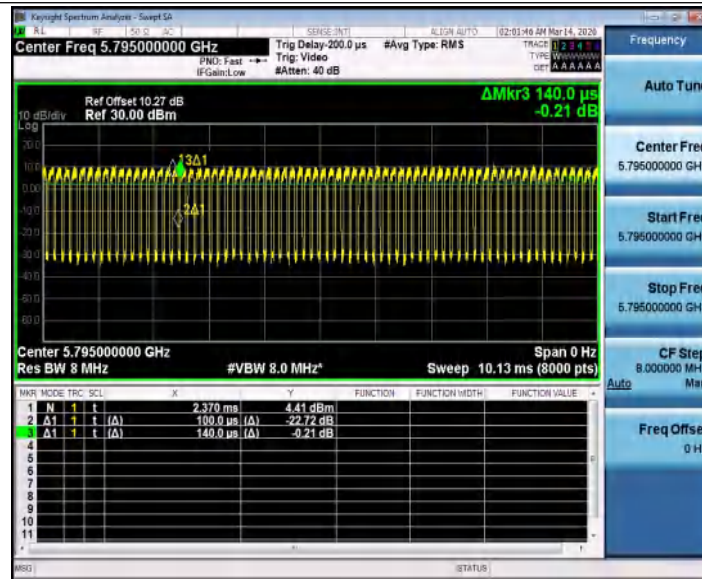
11N20SISO_Ant1_5825



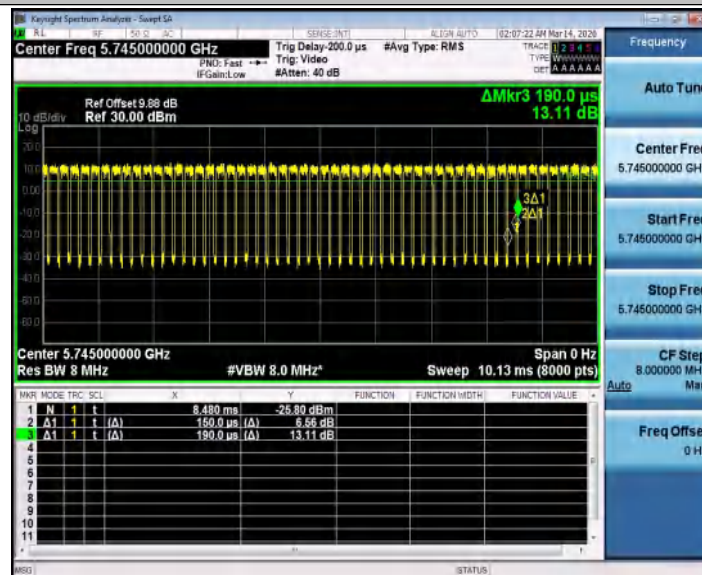
11N40SISO_Ant1_5755



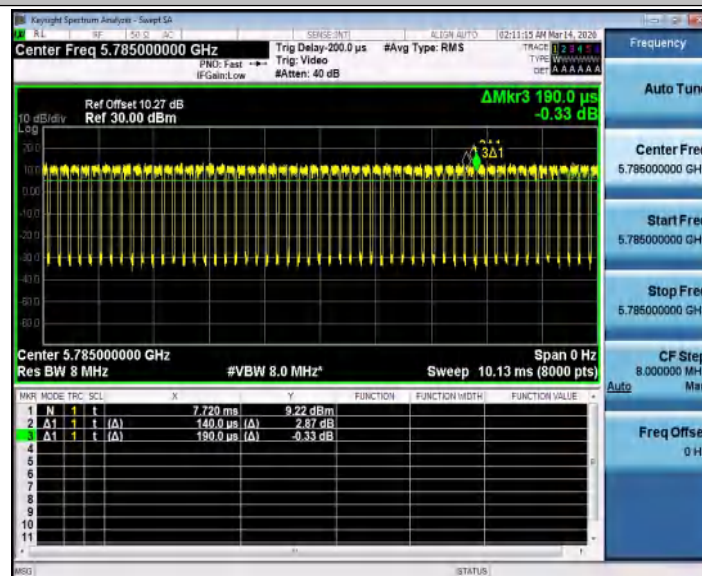
11N40SISO_Ant1_5795



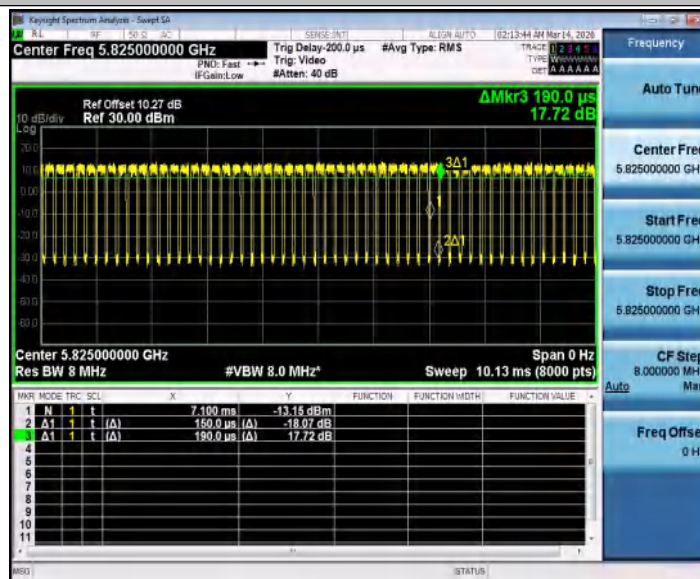
11AC20SISO_Ant1_5745



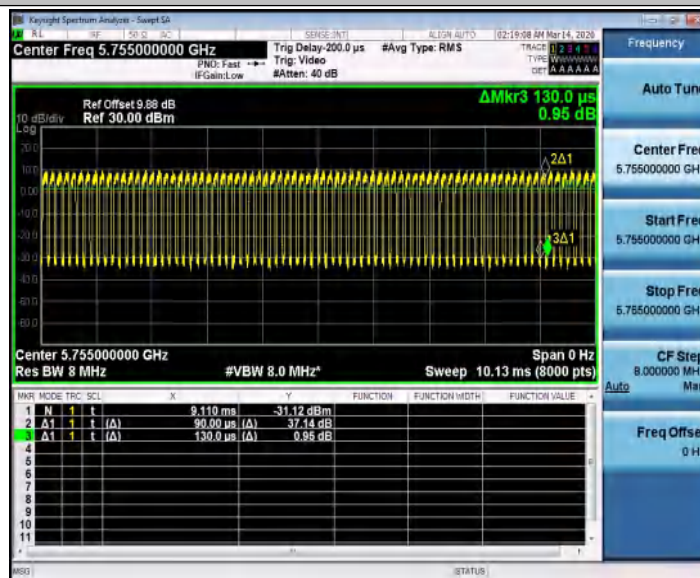
11AC20SISO_Ant1_5785



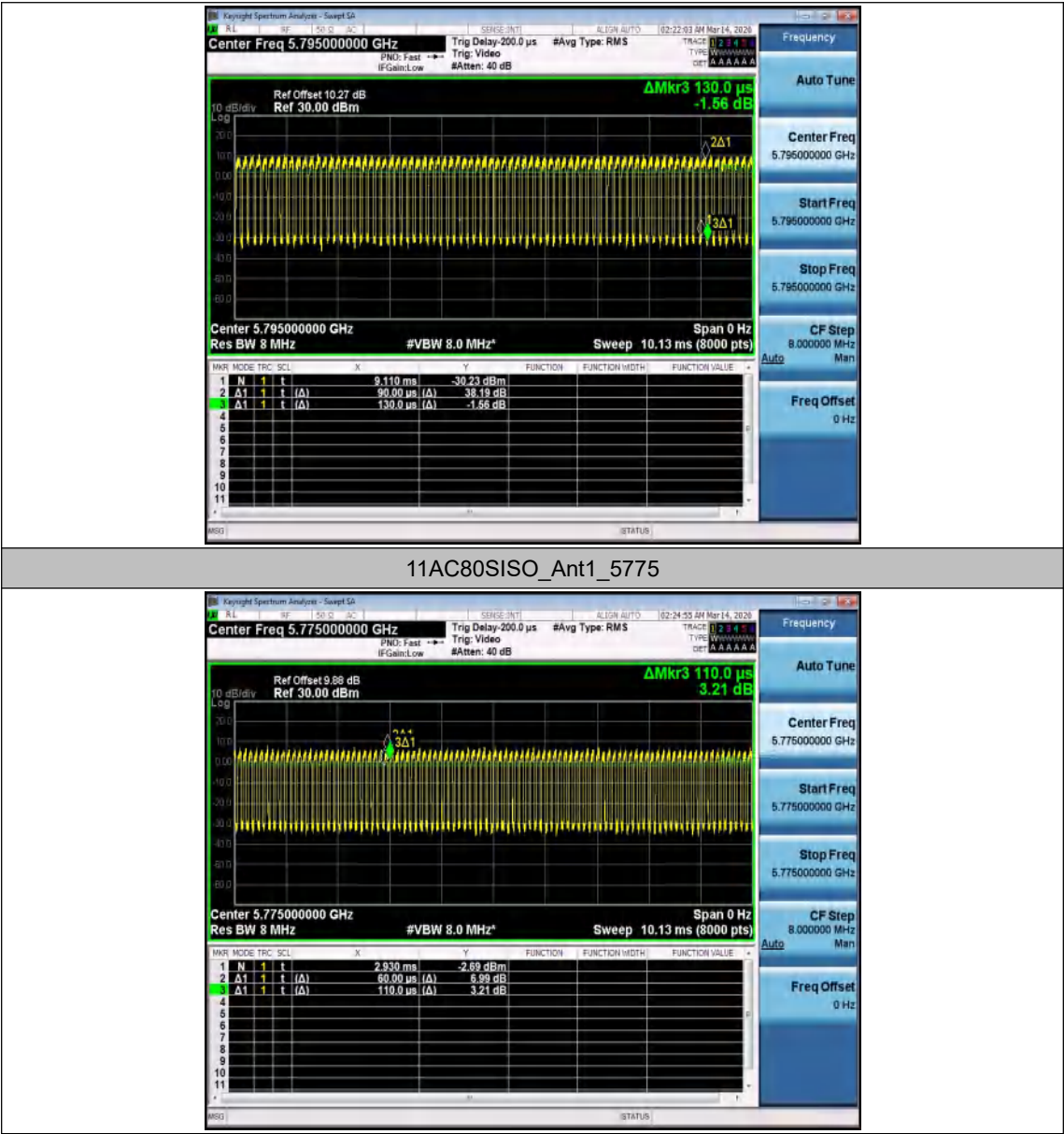
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix E.5: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.41	93.29	0.30	12.71	≤30.00	PASS
		5785	12.68	93.33	0.30	12.98	≤30.00	PASS
		5825	13.18	93.33	0.30	13.48	≤30.00	PASS
11N20SISO	Ant1	5745	11.85	92.91	0.32	12.17	≤30.00	PASS
		5785	12.32	92.91	0.32	12.64	≤30.00	PASS
		5825	12.84	92.20	0.35	13.19	≤30.00	PASS
11N40SISO	Ant1	5755	10.69	64.29	1.92	12.61	≤30.00	PASS
		5795	11.17	71.43	1.46	12.63	≤30.00	PASS
11AC20SISO	Ant1	5745	11.46	78.95	1.03	12.49	≤30.00	PASS
		5785	11.79	73.68	1.33	13.12	≤30.00	PASS
		5825	12.24	78.95	1.03	13.27	≤30.00	PASS
11AC40SISO	Ant1	5755	10.32	69.23	1.60	11.92	≤30.00	PASS
		5795	10.98	69.23	1.60	12.58	≤30.00	PASS
11AC80SISO	Ant1	5775	9.81	54.55	2.63	12.44	≤30.00	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

Appendix E.6: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	0.50	≤30.00	PASS
		5785	0.86	≤30.00	PASS
		5825	1.46	≤30.00	PASS
11N20SISO	Ant1	5745	0.13	≤30.00	PASS
		5785	0.40	≤30.00	PASS
		5825	0.98	≤30.00	PASS
11N40SISO	Ant1	5755	-2.33	≤30.00	PASS
		5795	-2.27	≤30.00	PASS
11AC20SISO	Ant1	5745	-0.04	≤30.00	PASS
		5785	0.54	≤30.00	PASS
		5825	0.76	≤30.00	PASS
11AC40SISO	Ant1	5755	-2.95	≤30.00	PASS
		5795	-2.23	≤30.00	PASS
11AC80SISO	Ant1	5775	-5.10	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



Appendix E.7: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-40.53	≤-26.96	PASS
				5700~5720	-27.46	≤15.30	PASS
				5720~5725	-24.46	≤19.23	PASS
				5760~5650	-38.49	≤-27	PASS
		High	5825	5850~5855	-34.96	≤15.73	PASS
				5855~5875	-37.47	≤11.15	PASS
				5875~5925	-39.42	≤-26.91	PASS
				5925~5935	-37.91	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-39.77	≤-26.96	PASS
				5700~5720	-28.85	≤15.43	PASS
				5720~5725	-24.98	≤21.06	PASS
				5760~5650	-39.48	≤-27	PASS
		High	5825	5850~5855	-37.21	≤16.03	PASS
				5855~5875	-38.09	≤10.02	PASS
				5875~5925	-38.68	≤-26.91	PASS
				5925~5935	-38.26	≤-27	PASS
11N40SIS O	Ant1	Low	5755	5650~5700	-39.02	≤-26.90	PASS
				5700~5720	-22.94	≤15.13	PASS
				5720~5725	-28.73	≤15.74	PASS
				5780~5650	-38.24	≤-27	PASS
		High	5795	5850~5855	-37.39	≤16.41	PASS
				5855~5875	-37.67	≤10.53	PASS
				5875~5925	-39.56	≤-26.83	PASS
				5925~5935	-38.31	≤-27	PASS
11AC20SI SO	Ant1	Low	5745	5650~5700	-38.52	≤-26.53	PASS
				5700~5720	-29.61	≤14.73	PASS
				5720~5725	-28.85	≤16.08	PASS
				5760~5650	-39.16	≤-27	PASS
		High	5825	5850~5855	-34.97	≤16.65	PASS
				5855~5875	-37.97	≤10.44	PASS
				5875~5925	-39.27	≤-26.51	PASS
				5925~5935	-37.3	≤-27	PASS
11AC40SI SO	Ant1	Low	5755	5650~5700	-40.16	≤-26.70	PASS
				5700~5720	-30.93	≤11.38	PASS
				5720~5725	-27.25	≤15.74	PASS
				5780~5650	-39.07	≤-27	PASS

11AC80SI SO	Ant1	High	5795	5850~5855	-37.37	≤ 15.66	PASS
				5855~5875	-36.5	≤ 10.85	PASS
				5875~5925	-39.57	≤ -26.59	PASS
				5925~5935	-37.91	≤ -27	PASS
		Low	5775	5650~5700	-39.75	≤ -26.69	PASS
				5700~5720	-31.68	≤ 11.70	PASS
				5720~5725	-29.47	≤ 17.06	PASS
				5800~5650	-37.86	≤ -27	PASS
		High	5775	5850~5855	-34.74	≤ 16.26	PASS
				5855~5875	-33.09	≤ 11.43	PASS
				5875~5925	-39.15	≤ -26.60	PASS
				5925~5935	-37.91	≤ -27	PASS

Test Graphs

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix E.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5568.51	-39.68	≤-27	PASS
			5925~27000	24893.91	-31.56	≤-27	PASS
		5785	30~5650	2693.13	-39.87	≤-27	PASS
			5925~27000	24709.15	-31.22	≤-27	PASS
		5825	30~5650	2679.08	-39.94	≤-27	PASS
			5925~27000	23515.6	-31.19	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2585.23	-39.95	≤-27	PASS
			5925~27000	24200.54	-31.22	≤-27	PASS
		5785	30~5650	5503.69	-39.36	≤-27	PASS
			5925~27000	24185.79	-31.31	≤-27	PASS
		5825	30~5650	4909.85	-39.33	≤-27	PASS
			5925~27000	24161.2	-31.94	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5604.67	-39.16	≤-27	PASS
			5925~27000	25126.43	-31.59	≤-27	PASS
		5795	30~5650	3046.63	-39.98	≤-27	PASS
			5925~27000	26997.19	-31.67	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2668.03	-39.42	≤-27	PASS
			5925~27000	24229.34	-31.65	≤-27	PASS
		5785	30~5650	5412.84	-39.66	≤-27	PASS
			5925~27000	24135.91	-31.75	≤-27	PASS
		5825	30~5650	5429.32	-39.3	≤-27	PASS
			5925~27000	26679.66	-31.63	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5442.25	-39.84	≤-27	PASS
			5925~27000	25186.15	-32.19	≤-27	PASS
		5795	30~5650	3145.35	-38.93	≤-27	PASS
			5925~27000	26752.72	-32.08	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5533.67	-40.43	≤-27	PASS
			5925~27000	23509.98	-31.71	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~27000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~27000



11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~27000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000



Appendix E.9: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-40.29 6	≤-27.00	---	---	PASS
				Peak	5700.000	-37.56	≤10.00	---	---	PASS
				Peak	5720.000	-29	≤15.60	---	---	PASS
				Peak	5725.000	-23.1	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-27.89 5	≤27.00	---	---	PASS
				Peak	5855.000	-33.17	≤15.60	---	---	PASS
				Peak	5875.000	-36.5	≤10.00	---	---	PASS
				Peak	5925.000	-36.39	≤-27.00	- --	- --	PASS
11N20SIS O	Ant1	Low	5745	Peak	5650.000	-40.13 4	≤-27.00	---	---	PASS
				Peak	5700.000	-37.85	≤10.00	---	---	PASS
				Peak	5720.000	-30.49	≤15.60	---	---	PASS
				Peak	5725.000	-18	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-34.47	≤27.00	---	---	PASS
				Peak	5855.000	-36.24	≤15.60	---	---	PASS
				Peak	5875.000	-35.89	≤10.00	---	---	PASS
				Peak	5925.000	-37.13	≤-27.00	- --	- --	PASS
11N40SIS O	Ant1	Low	5755	Peak	5650.000	-38.04 2	≤-27.00	---	---	PASS
				Peak	5700.000	-33.02	≤10.00	---	---	PASS
				Peak	5720.000	-30.16	≤15.60	---	---	PASS
				Peak	5725.000	-20.72	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-34.94 3	≤27.00	---	---	PASS
				Peak	5855.000	-35.61	≤15.60	---	---	PASS
				Peak	5875.000	-35.07	≤10.00	---	---	PASS
				Peak	5925.000	-35.56	≤-27.00	- --	- --	PASS
11AC20SI SO	Ant1	Low	5745	Peak	5650.000	-40.16 8	≤-27.00	---	---	PASS
				Peak	5700.000	-38.48	≤10.00	---	---	PASS
				Peak	5720.000	-29.01	≤15.60	---	---	PASS
				Peak	5725.000	-26.73	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-28.33	≤27.00	---	---	PASS
				Peak	5855.000	-32.54	≤15.60	---	---	PASS
				Peak	5875.000	-35.74	≤10.00	---	---	PASS

				Peak	5925.000	-35.27	≤ -27.00	- - -	- - -	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-39.67 8	≤ -27.00	---	---	PASS
				Peak	5700.000	-33.69	≤ 10.00	---	---	PASS
				Peak	5720.000	-25.31	≤ 15.60	---	---	PASS
				Peak	5725.000	-25.23	≤ 27.00	- - -	- - -	PASS
		High	5795	Peak	5850.000	-35.25 5	≤ 27.00	---	---	PASS
				Peak	5855.000	-35.79	≤ 15.60	---	---	PASS
				Peak	5875.000	-35.97	≤ 10.00	---	---	PASS
				Peak	5925.000	-36.57	≤ -27.00	- - -	- - -	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-37.65	≤ -27.00	---	---	PASS
				Peak	5700.000	-34.83	≤ 10.00	---	---	PASS
				Peak	5720.000	-32.67	≤ 15.60	---	---	PASS
				Peak	5725.000	-29.91	≤ 27.00	- - -	- - -	PASS
		High	5775	Peak	5850.000	-30.73	≤ 27.00	---	---	PASS
				Peak	5855.000	-34.11	≤ 15.60	---	---	PASS
				Peak	5875.000	-33.2	≤ 10.00	---	---	PASS
				Peak	5925.000	-36.61	≤ -27.00	- - -	- - -	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

11A_Ant1_Low_5745_Peak



11A_Ant1_High_5825_Peak



11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak



11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak

