

8. Maximum Output Power

8.1. Block diagram of test setup

Same as 7.1.

8.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	For FCC: outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points1 W(30 dBm) client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5250-5350
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	For FCC:5470 - 5725 For IC:5470 - 5600 5650 - 5725
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	
	1 Watt (30 dBm)	5725-5850
Note 1: For FCC: B=26 bandwidth; For ISDE: B=99% bandwidth.		
Note 2: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 3.55 dBi.		

8.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 11.9.2.3.
- (2) Connect EUT's antenna output to RF power meter by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously, If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal.
- (4) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- (5) Adjust the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.
- (6) Record the RF average power of each antenna port.

8.4. Test result channel power

Test Mode	Antenna	Frequency [MHz]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	96.53	0.15	15.01	≤23.98	18.90	≤22.32	PASS
	Ant2	5180	97.22	0.12	14.12	≤23.98	17.90	≤22.32	PASS
	Ant1	5200	96.53	0.15	15.03	≤23.98	18.92	≤22.32	PASS
	Ant2	5200	96.53	0.15	14.33	≤23.98	18.11	≤22.32	PASS
	Ant1	5240	97.20	0.12	15.14	≤23.98	19.03	≤22.32	PASS
	Ant2	5240	96.53	0.15	14.51	≤23.98	18.29	≤22.32	PASS
	Ant1	5260	96.53	0.15	15.27	≤23.33	19.16	≤29.33	PASS
	Ant2	5260	97.22	0.12	14.48	≤23.33	18.26	≤29.33	PASS
	Ant1	5280	97.22	0.12	15.28	≤23.33	19.17	≤29.33	PASS
	Ant2	5280	96.53	0.15	14.49	≤23.33	18.27	≤29.33	PASS
	Ant1	5320	96.53	0.15	15.28	≤23.33	19.17	≤29.33	PASS
	Ant2	5320	97.20	0.12	14.44	≤23.33	18.22	≤29.33	PASS
	Ant1	5500	96.53	0.15	14.77	≤22.35	18.66	≤28.35	PASS
	Ant2	5500	97.22	0.12	13.72	≤22.35	17.50	≤28.35	PASS
	Ant1	5580	96.53	0.15	14.23	≤22.35	18.12	≤28.35	PASS
	Ant2	5580	97.22	0.12	13.49	≤22.35	17.27	≤28.35	PASS
	Ant1	5720	97.22	0.12	15.10	≤22.35	18.99	≤28.35	PASS
	Ant2	5720	96.53	0.15	14.51	≤22.35	18.29	≤28.35	PASS
	Ant1	5745	97.22	0.12	15.84	≤30.00	19.73	---	PASS
	Ant2	5745	97.20	0.12	15.22	≤30.00	19.00	---	PASS
	Ant1	5785	97.22	0.12	16.02	≤30.00	19.91	---	PASS
	Ant2	5785	97.22	0.12	15.36	≤30.00	19.14	---	PASS
	Ant1	5825	96.53	0.15	15.89	≤30.00	19.78	---	PASS
	Ant2	5825	96.53	0.15	15.07	≤30.00	18.85	---	PASS
11N20MIMO	Ant1	5180	93.06	0.31	12.49	≤23.98	16.38	≤22.49	PASS
	Ant2	5180	93.06	0.31	11.47	≤23.98	15.25	≤22.49	PASS
	total	5180	---	---	15.02	≤23.98	18.86	≤22.49	PASS
	Ant1	5200	93.06	0.31	12.50	≤23.98	16.39	≤22.49	PASS
	Ant2	5200	93.06	0.31	11.75	≤23.98	15.53	≤22.49	PASS
	total	5200	---	---	15.15	≤23.98	18.99	≤22.49	PASS
	Ant1	5240	94.37	0.25	12.63	≤23.98	16.52	≤22.49	PASS
	Ant2	5240	94.37	0.25	11.78	≤23.98	15.56	≤22.49	PASS
	total	5240	---	---	15.24	≤23.98	19.08	≤22.49	PASS

	Ant1	5260	94.37	0.25	14.51	≤23.48	18.40	≤29.48	PASS
	Ant2	5260	93.06	0.31	14.40	≤23.48	18.18	≤29.48	PASS
	total	5260	---	---	17.47	≤23.48	21.30	≤29.48	PASS
	Ant1	5280	94.37	0.25	14.58	≤23.48	18.47	≤29.48	PASS
	Ant2	5280	93.06	0.31	14.47	≤23.48	18.25	≤29.48	PASS
	total	5280	---	---	17.54	≤23.48	21.37	≤29.48	PASS
	Ant1	5320	94.37	0.25	14.52	≤23.48	18.41	≤29.48	PASS
	Ant2	5320	93.06	0.31	14.26	≤23.48	18.04	≤29.48	PASS
	total	5320	---	---	17.40	≤23.48	21.24	≤29.48	PASS
	Ant1	5500	93.06	0.31	14.05	≤22.43	17.94	≤28.43	PASS
	Ant2	5500	93.06	0.31	13.64	≤22.43	17.42	≤28.43	PASS
	total	5500	---	---	16.86	≤22.43	20.70	≤28.43	PASS
	Ant1	5580	93.06	0.31	13.48	≤22.43	17.37	≤28.43	PASS
	Ant2	5580	93.06	0.31	13.56	≤22.43	17.34	≤28.43	PASS
	total	5580	---	---	16.53	≤22.43	20.37	≤28.43	PASS
	Ant1	5720	94.37	0.25	14.59	≤22.43	18.48	≤28.43	PASS
	Ant2	5720	94.37	0.25	14.44	≤22.43	18.22	≤28.43	PASS
	total	5720	---	---	17.53	≤22.43	21.36	≤28.43	PASS
	Ant1	5745	93.06	0.31	15.19	≤30.00	19.08	---	PASS
	Ant2	5745	93.06	0.31	15.25	≤30.00	19.03	---	PASS
	total	5745	---	---	18.23	≤30.00	22.07	---	PASS
	Ant1	5785	94.37	0.25	15.28	≤30.00	19.17	---	PASS
	Ant2	5785	93.06	0.31	15.46	≤30.00	19.24	---	PASS
	total	5785	---	---	18.38	≤30.00	22.22	---	PASS
	Ant1	5825	93.06	0.31	15.18	≤30.00	19.07	---	PASS
	Ant2	5825	94.37	0.25	15.20	≤30.00	18.98	---	PASS
	total	5825	---	---	18.20	≤30.00	22.04	---	PASS
11N40MIMO	Ant1	5190	87.18	0.60	14.49	≤23.98	18.38	---	PASS
	Ant2	5190	87.18	0.60	14.41	≤23.98	18.19	---	PASS
	total	5190	---	---	17.46	≤23.98	21.30	---	PASS
	Ant1	5230	87.18	0.60	14.82	≤23.98	18.71	---	PASS
	Ant2	5230	87.18	0.60	14.67	≤23.98	18.45	---	PASS
	total	5230	---	---	17.76	≤23.98	21.59	---	PASS
	Ant1	5270	89.74	0.47	14.87	≤23.98	18.76	≤30.00	PASS
	Ant2	5270	89.74	0.47	14.65	≤23.98	18.43	≤30.00	PASS
	total	5270	---	---	17.77	≤23.98	21.61	≤30.00	PASS

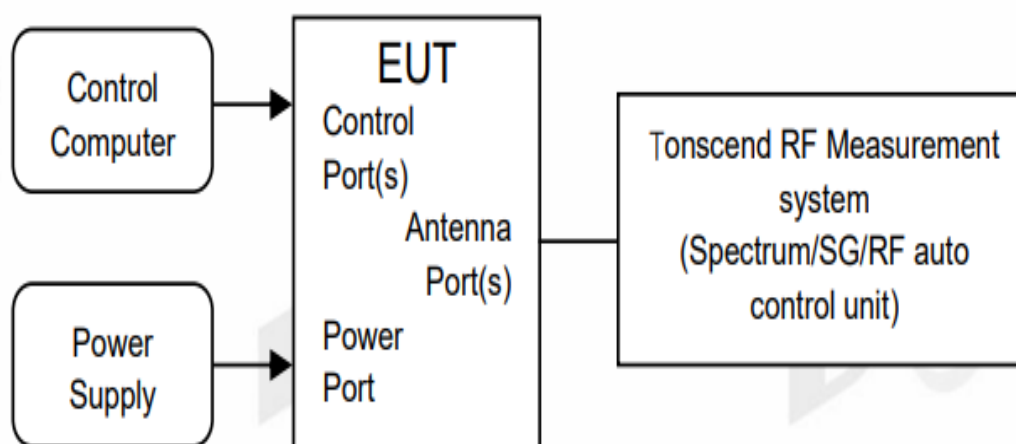
	Ant1	5310	89.74	0.47	14.83	≤23.98	18.72	≤30.00	PASS
	Ant2	5310	89.74	0.47	14.56	≤23.98	18.34	≤30.00	PASS
	total	5310	---	---	17.71	≤23.98	21.54	≤30.00	PASS
	Ant1	5510	89.74	0.47	14.17	≤23.98	18.06	≤30.00	PASS
	Ant2	5510	89.74	0.47	13.76	≤23.98	17.54	≤30.00	PASS
	total	5510	---	---	16.98	≤23.98	20.82	≤30.00	PASS
	Ant1	5550	87.18	0.60	13.86	≤23.98	17.75	≤30.00	PASS
	Ant2	5550	87.18	0.60	13.82	≤23.98	17.60	≤30.00	PASS
	total	5550	---	---	16.85	≤23.98	20.69	≤30.00	PASS
	Ant1	5710	89.74	0.47	14.56	≤23.98	18.45	≤30.00	PASS
	Ant2	5710	89.74	0.47	14.48	≤23.98	18.26	≤30.00	PASS
	total	5710	---	---	17.53	≤23.98	21.37	≤30.00	PASS
	Ant1	5755	89.74	0.47	15.45	≤30.00	19.34	---	PASS
	Ant2	5755	89.74	0.47	15.54	≤30.00	19.32	---	PASS
	total	5755	---	---	18.51	≤30.00	22.34	---	PASS
	Ant1	5795	89.74	0.47	15.53	≤30.00	19.42	---	PASS
	Ant2	5795	87.18	0.60	15.66	≤30.00	19.44	---	PASS
	total	5795	---	---	18.61	≤30.00	22.44	---	PASS
11AC20MIMO	Ant1	5180	96.32	0.16	12.06	≤22.47	15.95	---	PASS
	Ant2	5180	96.32	0.16	12.02	≤22.47	15.80	---	PASS
	total	5180	---	---	15.05	≤22.47	18.89	---	PASS
	Ant1	5200	96.32	0.16	12.09	≤22.47	15.98	---	PASS
	Ant2	5200	96.32	0.16	12.40	≤22.47	16.18	---	PASS
	total	5200	---	---	15.26	≤22.47	19.09	---	PASS
	Ant1	5240	96.32	0.16	12.33	≤22.47	16.22	---	PASS
	Ant2	5240	97.06	0.13	12.39	≤22.47	16.17	---	PASS
	total	5240	---	---	15.37	≤22.47	19.21	---	PASS
	Ant1	5260	97.04	0.13	14.53	≤23.47	18.42	≤29.47	PASS
	Ant2	5260	96.32	0.16	14.49	≤23.47	18.27	≤29.47	PASS
	total	5260	---	---	17.52	≤23.47	21.36	≤29.47	PASS
	Ant1	5280	96.32	0.16	14.59	≤23.47	18.48	≤29.47	PASS
	Ant2	5280	97.04	0.13	14.53	≤23.47	18.31	≤29.47	PASS
	total	5280	---	---	17.57	≤23.47	21.41	≤29.47	PASS
	Ant1	5320	97.06	0.13	14.42	≤23.47	18.31	≤29.47	PASS
	Ant2	5320	97.04	0.13	14.47	≤23.47	18.25	≤29.47	PASS
	total	5320	---	---	17.46	≤23.47	21.29	≤29.47	PASS

11AC40MIMO	Ant1	5500	96.32	0.16	14.08	≤22.42	17.97	≤28.42	PASS
	Ant2	5500	97.04	0.13	13.73	≤22.42	17.51	≤28.42	PASS
	total	5500	---	---	16.92	≤22.42	20.76	≤28.42	PASS
	Ant1	5580	96.32	0.16	13.46	≤22.42	17.35	≤28.42	PASS
	Ant2	5580	96.32	0.16	13.67	≤22.42	17.45	≤28.42	PASS
	total	5580	---	---	16.58	≤22.42	20.41	≤28.42	PASS
	Ant1	5720	96.32	0.16	14.47	≤22.42	18.36	≤28.42	PASS
	Ant2	5720	97.06	0.13	14.67	≤22.42	18.45	≤28.42	PASS
	total	5720	---	---	17.58	≤22.42	21.42	≤28.42	PASS
	Ant1	5745	97.04	0.13	15.10	≤30.00	18.99	---	PASS
	Ant2	5745	97.06	0.13	15.33	≤30.00	19.11	---	PASS
	total	5745	---	---	18.23	≤30.00	22.06	---	PASS
	Ant1	5785	97.04	0.13	15.29	≤30.00	19.18	---	PASS
	Ant2	5785	96.32	0.16	15.56	≤30.00	19.34	---	PASS
	total	5785	---	---	18.44	≤30.00	22.27	---	PASS
	Ant1	5825	97.06	0.13	15.13	≤30.00	19.02	---	PASS
	Ant2	5825	97.06	0.13	15.38	≤30.00	19.16	---	PASS
	total	5825	---	---	18.27	≤30.00	22.10	---	PASS
	Ant1	5190	92.86	0.32	14.56	≤23.98	18.45	---	PASS
	Ant2	5190	92.86	0.32	14.48	≤23.98	18.26	---	PASS
	total	5190	---	---	17.53	≤23.98	21.37	---	PASS
	Ant1	5230	94.20	0.26	14.71	≤23.98	18.60	---	PASS
	Ant2	5230	92.86	0.32	14.64	≤23.98	18.42	---	PASS
	total	5230	---	---	17.69	≤23.98	21.52	---	PASS
	Ant1	5270	92.86	0.32	14.90	≤23.98	18.79	≤30.00	PASS
	Ant2	5270	92.86	0.32	14.77	≤23.98	18.55	≤30.00	PASS
	total	5270	---	---	17.85	≤23.98	21.68	≤30.00	PASS
	Ant1	5310	94.20	0.26	14.80	≤23.98	18.69	≤30.00	PASS
	Ant2	5310	92.86	0.32	14.31	≤23.98	18.09	≤30.00	PASS
	total	5310	---	---	17.57	≤23.98	21.41	≤30.00	PASS
	Ant1	5510	94.20	0.26	14.15	≤23.98	18.04	≤30.00	PASS
	Ant2	5510	94.20	0.26	13.46	≤23.98	17.24	≤30.00	PASS
	total	5510	---	---	16.83	≤23.98	20.67	≤30.00	PASS
	Ant1	5550	94.20	0.26	13.59	≤23.98	17.48	≤30.00	PASS
	Ant2	5550	94.20	0.26	13.52	≤23.98	17.30	≤30.00	PASS
	total	5550	---	---	16.57	≤23.98	20.40	≤30.00	PASS

	Ant1	5710	94.20	0.26	14.43	≤23.98	18.32	≤30.00	PASS
	Ant2	5710	94.20	0.26	14.22	≤23.98	18.00	≤30.00	PASS
	total	5710	---	---	17.34	≤23.98	21.17	≤30.00	PASS
	Ant1	5755	94.20	0.26	15.23	≤30.00	19.12	---	PASS
	Ant2	5755	94.20	0.26	15.26	≤30.00	19.04	---	PASS
	total	5755	---	---	18.26	≤30.00	22.09	---	PASS
	Ant1	5795	92.86	0.32	15.46	≤30.00	19.35	---	PASS
	Ant2	5795	92.86	0.32	15.41	≤30.00	19.19	---	PASS
	total	5795	---	---	18.45	≤30.00	22.28	---	PASS
11AC80MIMO	Ant1	5210	86.49	0.63	15.35	≤23.98	19.24	---	PASS
	Ant2	5210	88.89	0.51	15.18	≤23.98	18.96	---	PASS
	total	5210	---	---	18.28	≤23.98	22.11	---	PASS
	Ant1	5290	88.89	0.51	15.51	≤23.98	19.40	≤30.00	PASS
	Ant2	5290	86.49	0.63	15.42	≤23.98	19.20	≤30.00	PASS
	total	5290	---	---	18.48	≤23.98	22.31	≤30.00	PASS
	Ant1	5530	88.89	0.51	14.84	≤23.98	18.73	≤30.00	PASS
	Ant2	5530	86.49	0.63	14.68	≤23.98	18.46	≤30.00	PASS
	total	5530	---	---	17.77	≤23.98	21.61	≤30.00	PASS
	Ant1	5610	86.49	0.63	14.72	≤23.98	18.61	≤30.00	PASS
	Ant2	5610	86.49	0.63	14.56	≤23.98	18.34	≤30.00	PASS
	total	5610	---	---	17.65	≤23.98	21.49	≤30.00	PASS
	Ant1	5690	86.49	0.63	15.14	≤23.98	19.03	≤30.00	PASS
	Ant2	5690	88.89	0.51	14.99	≤23.98	18.77	≤30.00	PASS
	total	5690	---	---	18.08	≤23.98	21.91	≤30.00	PASS
	Ant1	5775	88.89	0.51	16.13	≤30.00	20.02	---	PASS
	Ant2	5775	86.49	0.63	16.32	≤30.00	20.10	---	PASS
	total	5775	---	---	19.24	≤30.00	23.07	---	PASS

9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	For RSS eirp: 10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC: 5470 - 5725 For ISDE: 5470 - 5600 5650 - 5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 3.55 dBi.		

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz:

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz:

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

9.4. Test result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	EIRP Result [dBm/MHz]	EIRP Limit [dBm/MHz] or [dBm/500 kHz]	Verdict
11A	Ant1	5180	4.91	≤11.00	8.80	≤10.00	PASS
	Ant2	5180	4.81	≤11.00	8.59	≤10.00	PASS
	Ant1	5200	4.09	≤11.00	7.98	≤10.00	PASS
	Ant2	5200	4.14	≤11.00	7.92	≤10.00	PASS
	Ant1	5240	4.07	≤11.00	7.96	≤10.00	PASS
	Ant2	5240	4.07	≤11.00	7.85	≤10.00	PASS
	Ant1	5260	4.97	≤11.00	8.86	---	PASS
	Ant2	5260	4.88	≤11.00	8.66	---	PASS
	Ant1	5280	4.36	≤11.00	8.25	---	PASS
	Ant2	5280	4.25	≤11.00	8.03	---	PASS
	Ant1	5320	5.04	≤11.00	8.93	---	PASS
	Ant2	5320	4.85	≤11.00	8.63	---	PASS
	Ant1	5500	4.70	≤11.00	8.59	---	PASS
	Ant2	5500	4.29	≤11.00	8.07	---	PASS
	Ant1	5580	3.28	≤11.00	7.17	---	PASS
	Ant2	5580	3.19	≤11.00	6.97	---	PASS
	Ant1	5720_UNII-2C	3.89	≤11.00	7.78	---	PASS
	Ant2	5720_UNII-2C	3.94	≤11.00	7.72	---	PASS
	Ant1	5720_UNII-3	-0.49	≤30.00	3.40	---	PASS
	Ant2	5720_UNII-3	-0.41	≤30.00	3.37	---	PASS
	Ant1	5745	2.83	≤30.00	6.72	---	PASS
	Ant2	5745	2.85	≤30.00	6.63	---	PASS
	Ant1	5785	2.90	≤30.00	6.79	---	PASS
	Ant2	5785	2.99	≤30.00	6.77	---	PASS
	Ant1	5825	2.48	≤30.00	6.37	---	PASS
	Ant2	5825	2.23	≤30.00	6.01	---	PASS
11N20MIMO	Ant1	5180	2.17	≤11.00	6.06	≤10.00	PASS
	Ant2	5180	1.90	≤11.00	5.68	≤10.00	PASS
	total	5180	5.05	≤11.00	8.47	≤10.00	PASS
	Ant1	5200	1.98	≤11.00	5.87	≤10.00	PASS

Ant2	5200	1.79	≤11.00	5.57	≤10.00	PASS
total	5200	4.90	≤11.00	8.32	≤10.00	PASS
Ant1	5240	2.05	≤11.00	5.94	≤10.00	PASS
Ant2	5240	1.80	≤11.00	5.58	≤10.00	PASS
total	5240	4.94	≤11.00	8.36	≤10.00	PASS
Ant1	5260	3.75	≤11.00	7.64	---	PASS
Ant2	5260	3.78	≤11.00	7.56	---	PASS
total	5260	6.78	≤11.00	10.20	---	PASS
Ant1	5280	3.79	≤11.00	7.68	---	PASS
Ant2	5280	3.71	≤11.00	7.49	---	PASS
total	5280	6.76	≤11.00	10.18	---	PASS
Ant1	5320	3.96	≤11.00	7.85	---	PASS
Ant2	5320	3.80	≤11.00	7.58	---	PASS
total	5320	6.89	≤11.00	10.31	---	PASS
Ant1	5500	3.59	≤11.00	7.48	---	PASS
Ant2	5500	3.28	≤11.00	7.06	---	PASS
total	5500	6.45	≤11.00	9.87	---	PASS
Ant1	5580	2.84	≤11.00	6.73	---	PASS
Ant2	5580	3.20	≤11.00	6.98	---	PASS
total	5580	6.03	≤11.00	9.45	---	PASS
Ant1	5720_UNII-2C	3.76	≤11.00	7.65	---	PASS
Ant2	5720_UNII-2C	3.69	≤11.00	7.47	---	PASS
total	5720_UNII-2C	6.74	≤11.00	10.16	---	PASS
Ant1	5720_UNII-3	-0.82	≤30.00	3.07	---	PASS
Ant2	5720_UNII-3	-0.92	≤30.00	2.86	---	PASS
total	5720_UNII-3	2.14	≤11.00	5.56	---	PASS
Ant1	5745	1.78	≤30.00	5.67	---	PASS
Ant2	5745	2.07	≤30.00	5.85	---	PASS
total	5745	4.94	≤30.00	8.36	---	PASS
Ant1	5785	1.60	≤30.00	5.49	---	PASS
Ant2	5785	2.05	≤30.00	5.83	---	PASS
total	5785	4.84	≤30.00	8.26	---	PASS
Ant1	5825	1.67	≤30.00	5.56	---	PASS
Ant2	5825	1.68	≤30.00	5.46	---	PASS

	total	5825	4.69	≤30.00	8.11	---	PASS
11N40MIMO	Ant1	5190	1.05	≤11.00	4.94	≤10.00	PASS
	Ant2	5190	1.13	≤11.00	4.91	≤10.00	PASS
	total	5190	4.10	≤11.00	7.52	≤10.00	PASS
	Ant1	5230	1.26	≤11.00	5.15	≤10.00	PASS
	Ant2	5230	1.22	≤11.00	5.00	≤10.00	PASS
	total	5230	4.25	≤11.00	7.67	≤10.00	PASS
	Ant1	5270	0.95	≤11.00	4.84	---	PASS
	Ant2	5270	0.90	≤11.00	4.68	---	PASS
	total	5270	3.94	≤11.00	7.36	---	PASS
	Ant1	5310	1.22	≤11.00	5.11	---	PASS
	Ant2	5310	1.09	≤11.00	4.87	---	PASS
	total	5310	4.17	≤11.00	7.59	---	PASS
	Ant1	5510	0.69	≤11.00	4.58	---	PASS
	Ant2	5510	0.45	≤11.00	4.23	---	PASS
	total	5510	3.58	≤11.00	7.00	---	PASS
	Ant1	5550	0.55	≤11.00	4.44	---	PASS
	Ant2	5550	0.70	≤11.00	4.48	---	PASS
	total	5550	3.64	≤11.00	7.06	---	PASS
	Ant1	5710_UNII-2C	0.87	≤11.00	4.76	---	PASS
	Ant2	5710_UNII-2C	0.79	≤11.00	4.57	---	PASS
	total	5710_UNII-2C	3.84	≤11.00	7.26	---	PASS
	Ant1	5710_UNII-3	-4.79	≤30.00	-0.90	---	PASS
	Ant2	5710_UNII-3	-5.01	≤30.00	-1.23	---	PASS
	total	5710_UNII-3	-1.89	≤11.00	1.53	---	PASS
	Ant1	5755	-1.14	≤30.00	2.75	---	PASS
	Ant2	5755	-0.59	≤30.00	3.19	---	PASS
	total	5755	2.15	≤30.00	5.57	---	PASS
	Ant1	5795	-1.20	≤30.00	2.69	---	PASS
	Ant2	5795	-0.78	≤30.00	3.00	---	PASS
	total	5795	2.03	≤30.00	5.45	---	PASS
11AC20MIMO	Ant1	5180	1.79	≤11.00	5.68	≤10.00	PASS
	Ant2	5180	1.97	≤11.00	5.75	≤10.00	PASS
	total	5180	4.89	≤11.00	8.31	≤10.00	PASS

Ant1	5200	1.63	≤11.00	5.52	≤10.00	PASS
Ant2	5200	1.94	≤11.00	5.72	≤10.00	PASS
total	5200	4.80	≤11.00	8.22	≤10.00	PASS
Ant1	5240	1.87	≤11.00	5.76	≤10.00	PASS
Ant2	5240	2.03	≤11.00	5.81	≤10.00	PASS
total	5240	4.96	≤11.00	8.38	≤10.00	PASS
Ant1	5260	4.05	≤11.00	7.94	---	PASS
Ant2	5260	4.01	≤11.00	7.79	---	PASS
total	5260	7.04	≤11.00	10.46	---	PASS
Ant1	5280	3.86	≤11.00	7.75	---	PASS
Ant2	5280	3.88	≤11.00	7.66	---	PASS
total	5280	6.88	≤11.00	10.30	---	PASS
Ant1	5320	4.00	≤11.00	7.89	---	PASS
Ant2	5320	4.07	≤11.00	7.85	---	PASS
total	5320	7.05	≤11.00	10.47	---	PASS
Ant1	5500	3.68	≤11.00	7.57	---	PASS
Ant2	5500	3.42	≤11.00	7.20	---	PASS
total	5500	6.56	≤11.00	9.98	---	PASS
Ant1	5580	2.93	≤11.00	6.82	---	PASS
Ant2	5580	3.20	≤11.00	6.98	---	PASS
total	5580	6.08	≤11.00	9.50	---	PASS
Ant1	5720_UNII-2C	3.62	≤11.00	7.51	---	PASS
Ant2	5720_UNII-2C	3.91	≤11.00	7.69	---	PASS
total	5720_UNII-2C	6.78	≤11.00	10.20	---	PASS
Ant1	5720_UNII-3	-0.82	≤30.00	3.07	---	PASS
Ant2	5720_UNII-3	-0.72	≤30.00	3.06	---	PASS
total	5720_UNII-3	2.24	≤11.00	5.66	---	PASS
Ant1	5745	1.77	≤30.00	5.66	---	PASS
Ant2	5745	2.13	≤30.00	5.91	---	PASS
total	5745	4.96	≤30.00	8.38	---	PASS
Ant1	5785	1.71	≤30.00	5.60	---	PASS
Ant2	5785	2.21	≤30.00	5.99	---	PASS
total	5785	4.98	≤30.00	8.40	---	PASS
Ant1	5825	1.54	≤30.00	5.43	---	PASS

	Ant2	5825	1.85	≤30.00	5.63	---	PASS
	total	5825	4.71	≤30.00	8.13	---	PASS
11AC40MIMO	Ant1	5190	0.97	≤11.00	4.86	≤10.00	PASS
	Ant2	5190	1.05	≤11.00	4.83	≤10.00	PASS
	total	5190	4.02	≤11.00	7.44	≤10.00	PASS
	Ant1	5230	1.08	≤11.00	4.97	≤10.00	PASS
	Ant2	5230	1.15	≤11.00	4.93	≤10.00	PASS
	total	5230	4.13	≤11.00	7.55	≤10.00	PASS
	Ant1	5270	0.94	≤11.00	4.83	---	PASS
	Ant2	5270	0.83	≤11.00	4.61	---	PASS
	total	5270	3.90	≤11.00	7.32	---	PASS
	Ant1	5310	1.12	≤11.00	5.01	---	PASS
	Ant2	5310	1.16	≤11.00	4.94	---	PASS
	total	5310	4.15	≤11.00	7.57	---	PASS
	Ant1	5510	0.59	≤11.00	4.48	---	PASS
	Ant2	5510	-0.11	≤11.00	3.67	---	PASS
	total	5510	3.26	≤11.00	6.68	---	PASS
	Ant1	5550	0.04	≤11.00	3.93	---	PASS
	Ant2	5550	0.10	≤11.00	3.88	---	PASS
	total	5550	3.08	≤11.00	6.5	---	PASS
	Ant1	5710_UNII-2C	0.63	≤11.00	4.52	---	PASS
	Ant2	5710_UNII-2C	0.41	≤11.00	4.19	---	PASS
	total	5710_UNII-2C	3.53	≤11.00	6.95	---	PASS
	Ant1	5710_UNII-3	-5.28	≤30.00	-1.39	---	PASS
	Ant2	5710_UNII-3	-5.58	≤30.00	-1.80	---	PASS
	total	5710_UNII-3	-2.42	≤11.00	1.00	---	PASS
	Ant1	5755	-1.56	≤30.00	2.33	---	PASS
	Ant2	5755	-1.13	≤30.00	2.65	---	PASS
	total	5755	1.67	≤30.00	5.09	---	PASS
	Ant1	5795	-1.50	≤30.00	2.39	---	PASS
	Ant2	5795	-1.19	≤30.00	2.59	---	PASS
	total	5795	1.67	≤30.00	5.09	---	PASS
11AC80MIMO	Ant1	5210	-1.57	≤11.00	2.32	≤10.00	PASS
	Ant2	5210	-1.59	≤11.00	2.19	≤10.00	PASS

total	5210	1.43	≤11.00	4.85	≤10.00	PASS
Ant1	5290	-1.43	≤11.00	2.46	---	PASS
Ant2	5290	-1.52	≤11.00	2.26	---	PASS
total	5290	1.54	≤11.00	4.96	---	PASS
Ant1	5530	-1.61	≤11.00	2.28	---	PASS
Ant2	5530	-1.67	≤11.00	2.11	---	PASS
total	5530	1.37	≤11.00	4.79	---	PASS
Ant1	5610	-1.71	≤11.00	2.18	---	PASS
Ant2	5610	-1.97	≤11.00	1.81	---	PASS
total	5610	1.17	≤11.00	4.59	---	PASS
Ant1	5690_UNII-2C	-1.55	≤11.00	2.34	---	PASS
Ant2	5690_UNII-2C	-1.62	≤11.00	2.16	---	PASS
total	5690_UNII-2C	1.43	≤11.00	4.85	---	PASS
Ant1	5690_UNII-3	-7.21	≤30.00	-3.32	---	PASS
Ant2	5690_UNII-3	-7.58	≤30.00	-3.80	---	PASS
total	5690_UNII-3	-4.38	≤11.00	-0.96	---	PASS
Ant1	5775	-3.61	≤30.00	0.28	---	PASS
Ant2	5775	-3.28	≤30.00	0.50	---	PASS
total	5775	-0.43	≤30.00	2.99	---	PASS

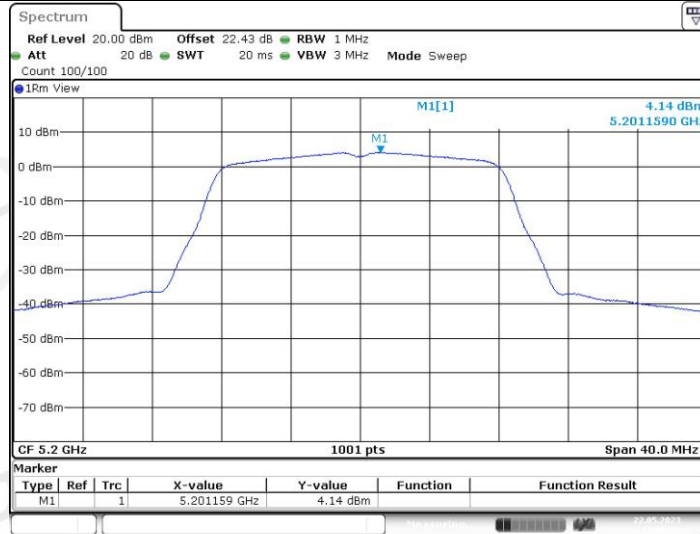
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

9.5. Test graphs



11A_Ant2_5200



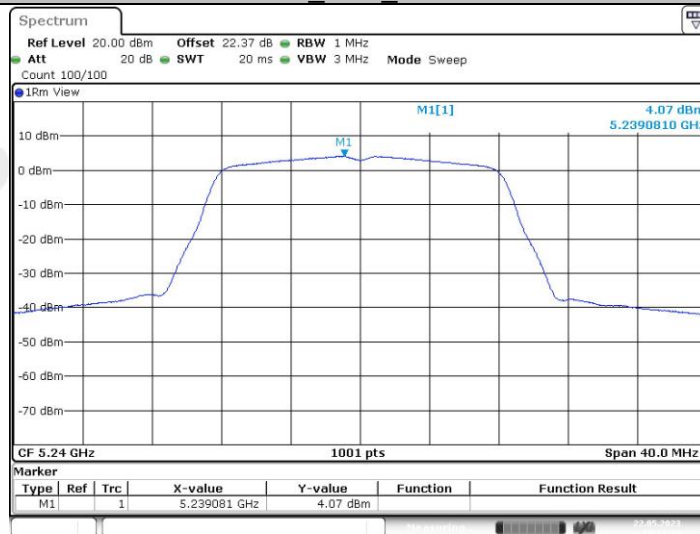
Date: 22 MAY.2023 17:06:13

11A_Ant1_5240



Date: 22 MAY.2023 15:54:34

11A_Ant2_5240



Date: 22 MAY.2023 17:11:15

11A_Ant1_5260



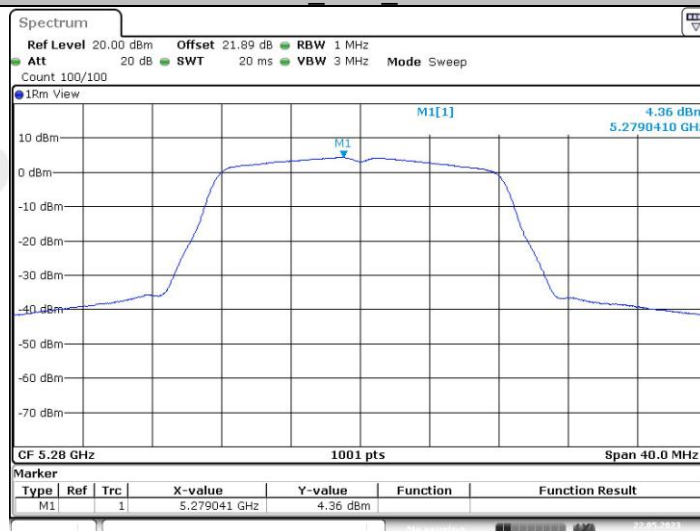
Date: 22 MAY.2023 16:02:25

11A_Ant2_5260



Date: 22 MAY.2023 17:13:07

11A_Ant1_5280



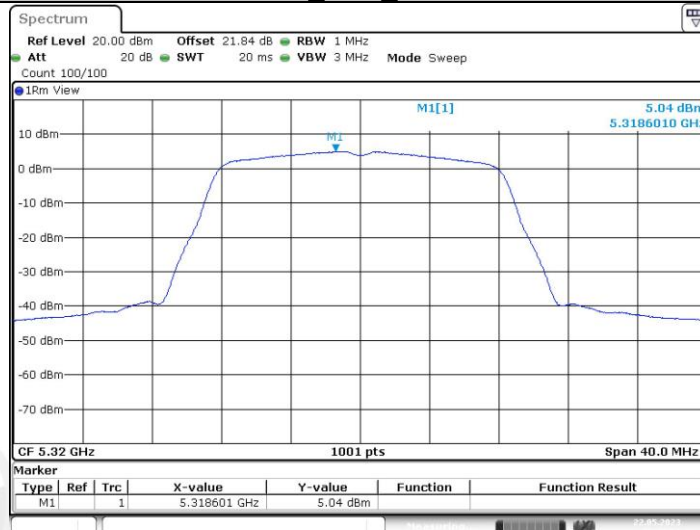
Date: 22 MAY.2023 16:07:33

11A_Ant2_5280



Date: 22 MAY 2023 17:15:00

11A_Ant1_5320



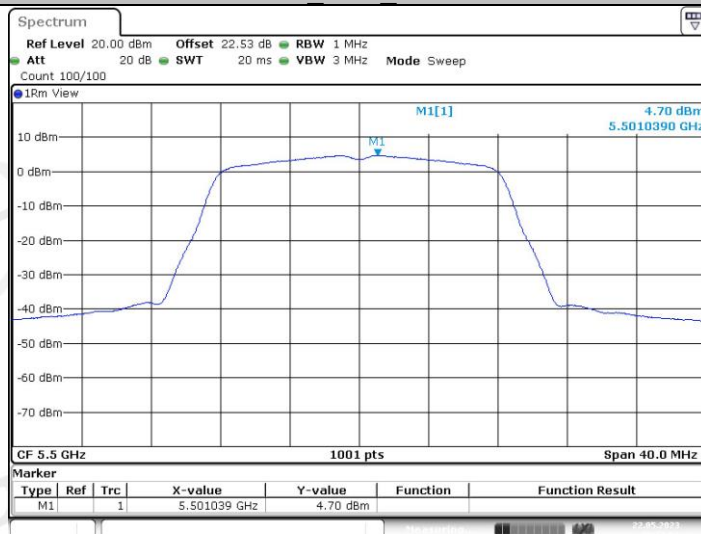
Date: 22 MAY 2023 16:12:50

11A_Ant2_5320



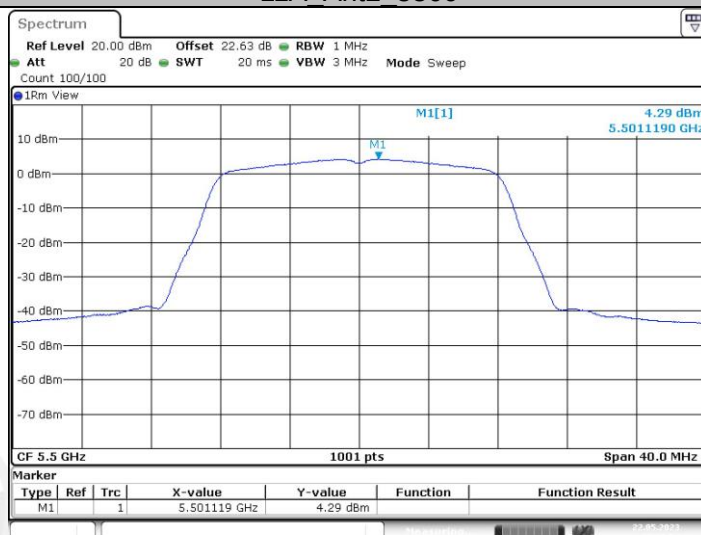
Date: 22 MAY 2023 17:16:53

11A_Ant1_5500



Date: 22 MAY 2023 16:17:52

11A_Ant2_5500



Date: 22 MAY 2023 17:18:54

11A_Ant1_5580



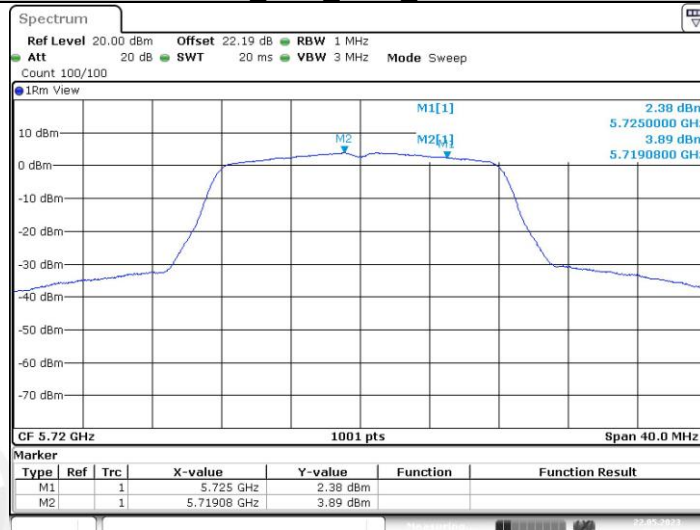
Date: 22 MAY 2023 16:23:28

11A_Ant2_5580



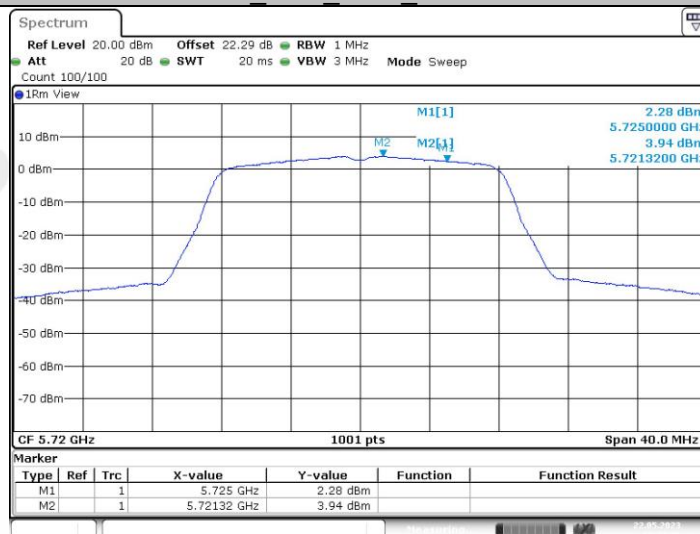
Date: 22 MAY 2023 17:20:42

11A_Ant1_5720_UNII-2C



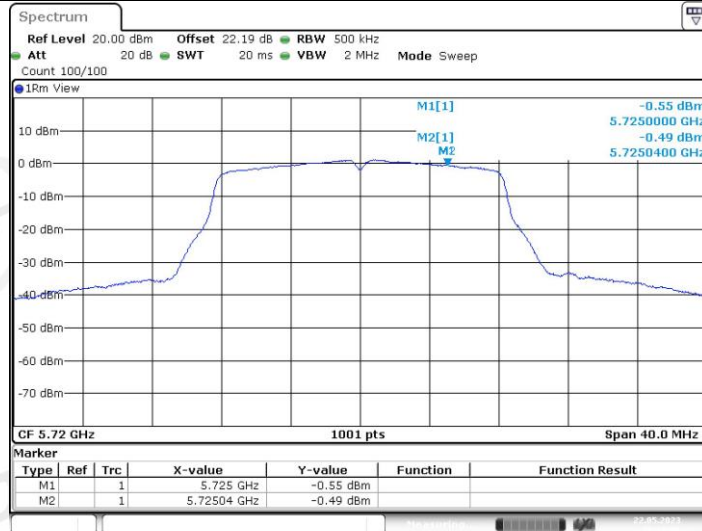
Date: 22 MAY 2023 16:28:39

11A_Ant2_5720_UNII-2C



Date: 22 MAY 2023 17:22:38

11A Ant1 5720 UNII-3



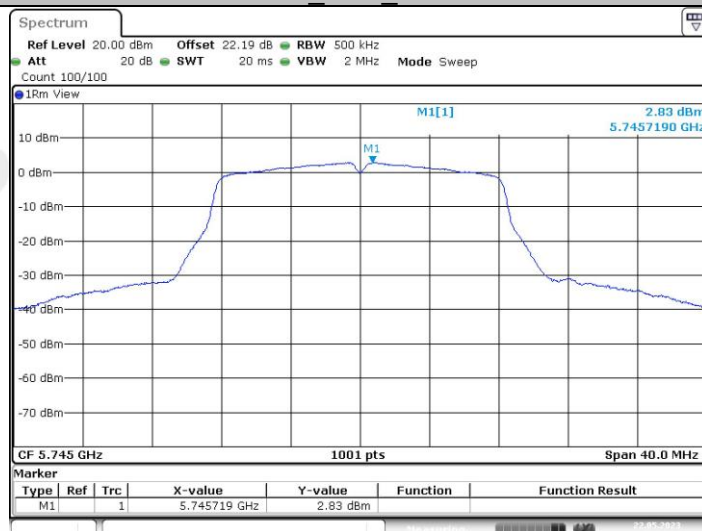
Date: 22 MAY.2023 16:29:06

11A Ant2 5720 UNII-3



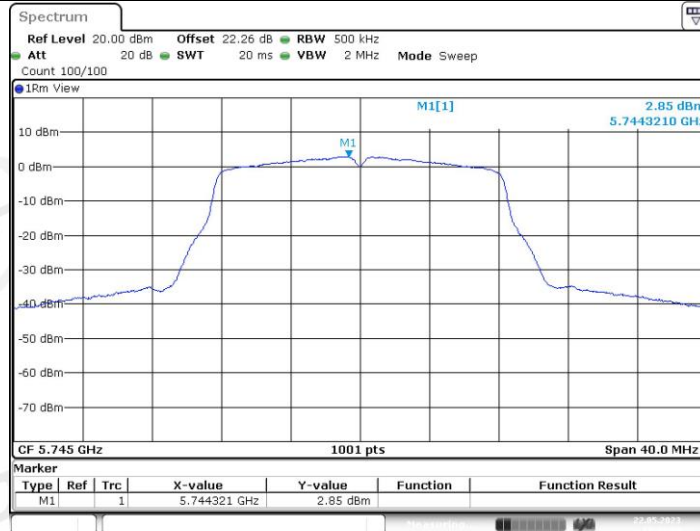
Date: 22 MAY.2023 17:23:06

11A Ant1 5745



Date: 22 MAY.2023 16:34:25

11A_Ant2_5745



Date: 22 MAY 2023 17:33:04

11A_Ant1_5785



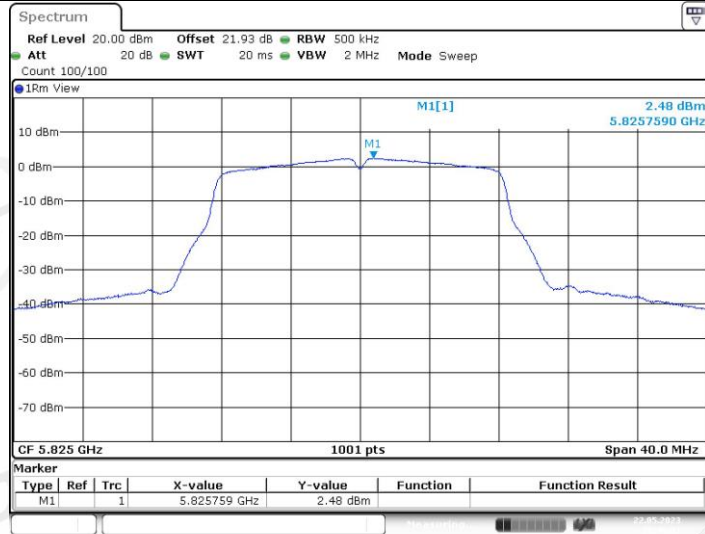
Date: 22 MAY 2023 16:40:45

11A_Ant2_5785

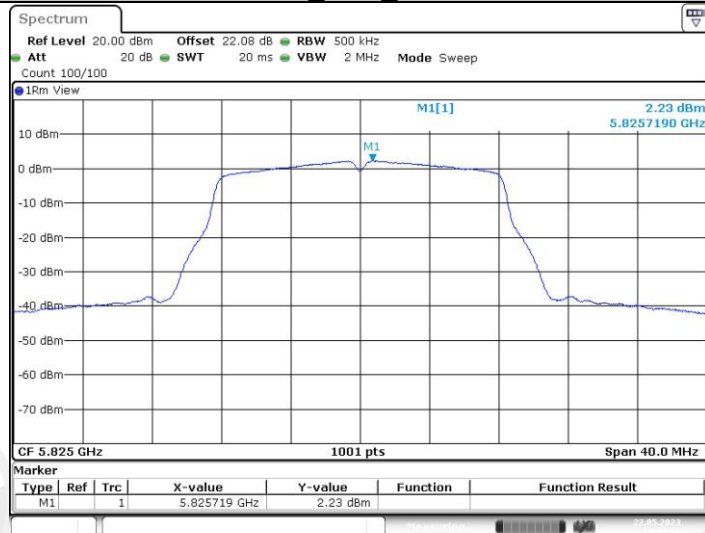


Date: 22 MAY 2023 17:35:14

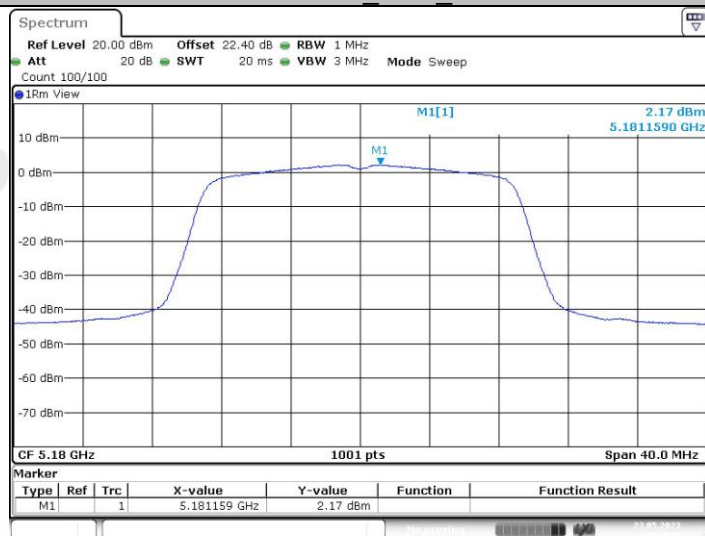
11A_Ant1_5825



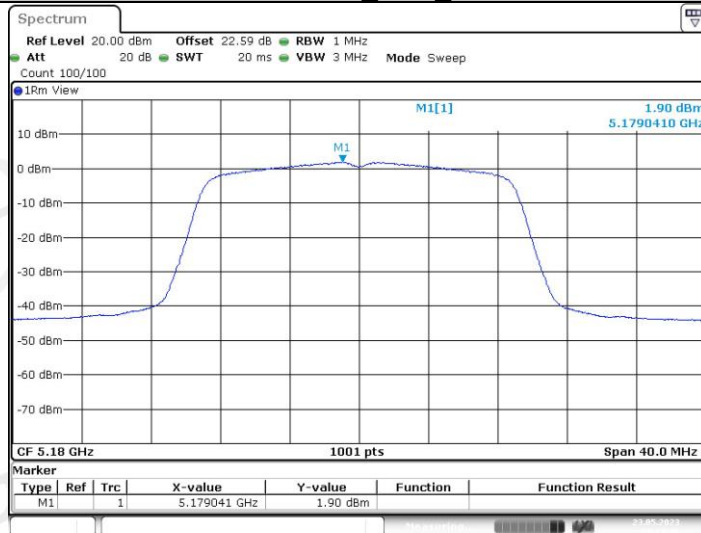
11A_Ant2_5825



11N20MIMO_Ant1_5180

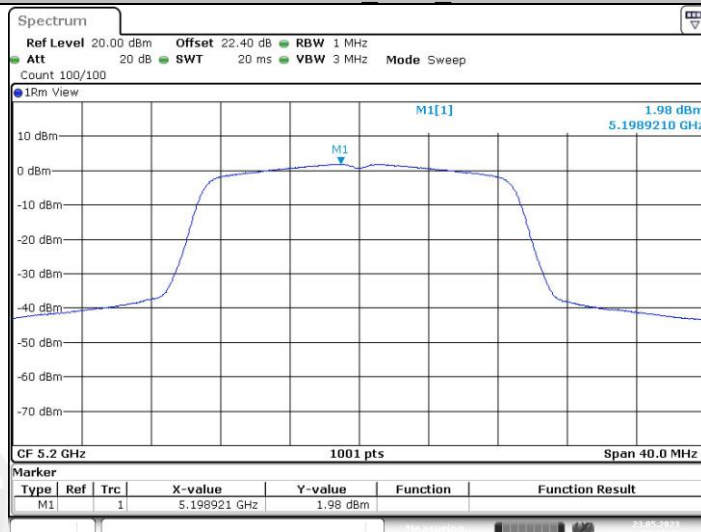


11N20MIMO_Ant2_5180



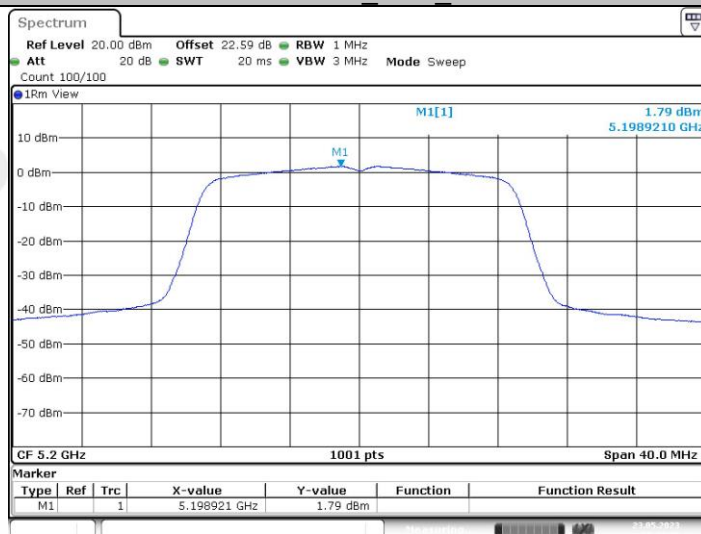
Date: 23 MAY 2023 20:18:37

11N20MIMO_Ant1_5200



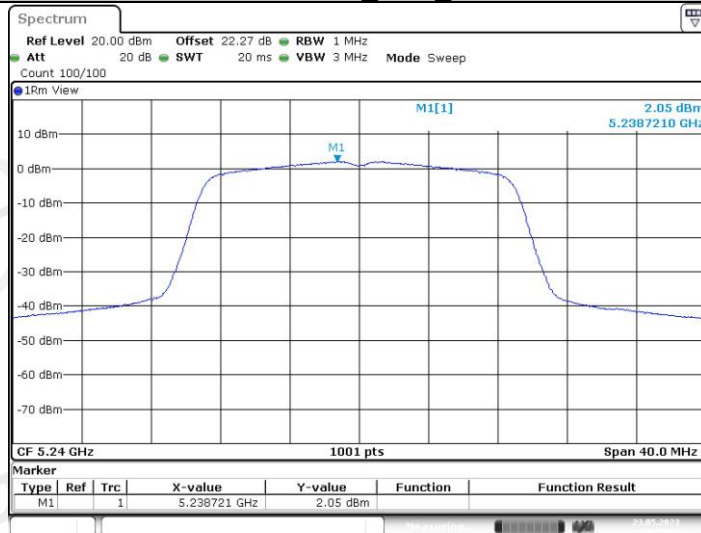
Date: 23 MAY 2023 20:21:47

11N20MIMO_Ant2_5200



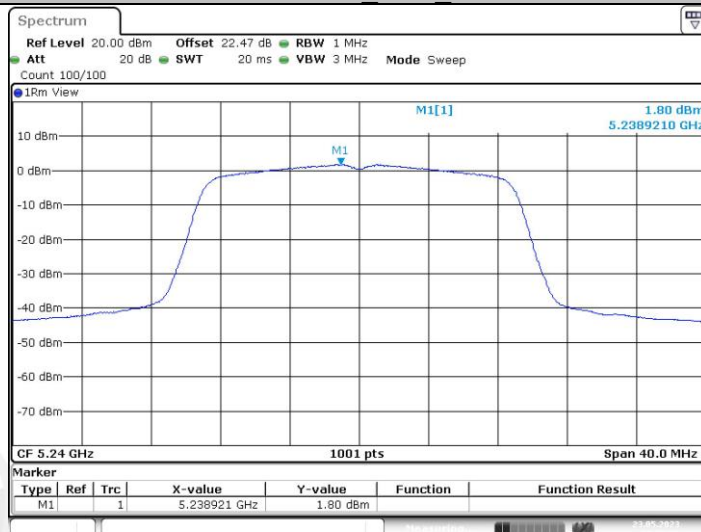
Date: 23 MAY 2023 20:23:30

11N20MIMO_Ant1_5240



Date: 23 MAY 2023 20:25:26

11N20MIMO_Ant2_5240



Date: 23 MAY 2023 20:27:08

11N20MIMO_Ant1_5260



Date: 24 MAY 2023 09:11:57

11N20MIMO_Ant2_5260



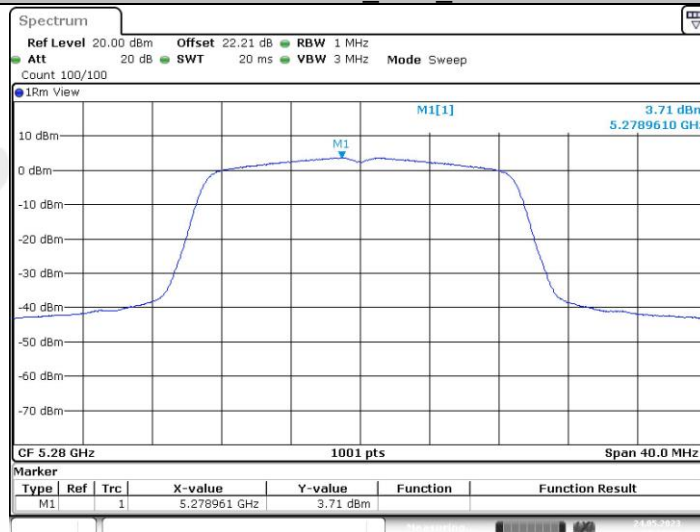
Date: 24.MAY.2023 09:16:05

11N20MIMO_Ant1_5280



Date: 24.MAY.2023 09:25:18

11N20MIMO_Ant2_5280



Date: 24.MAY.2023 09:27:00

11N20MIMO_Ant1_5320



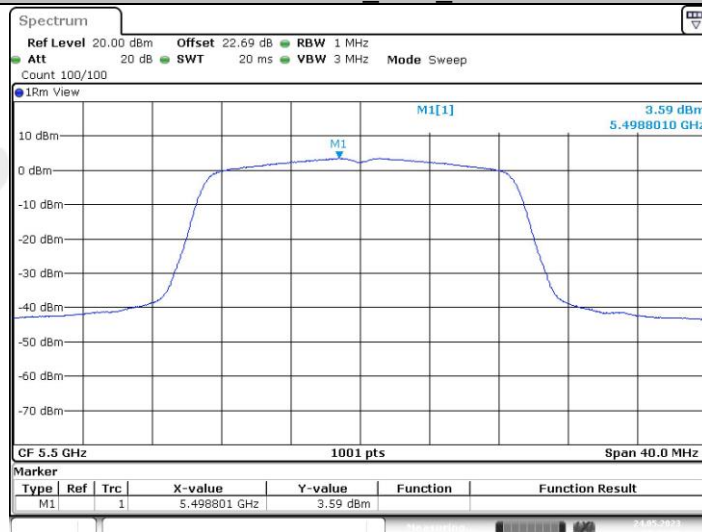
Date: 24.MAY.2023 09:29:24

11N20MIMO_Ant2_5320



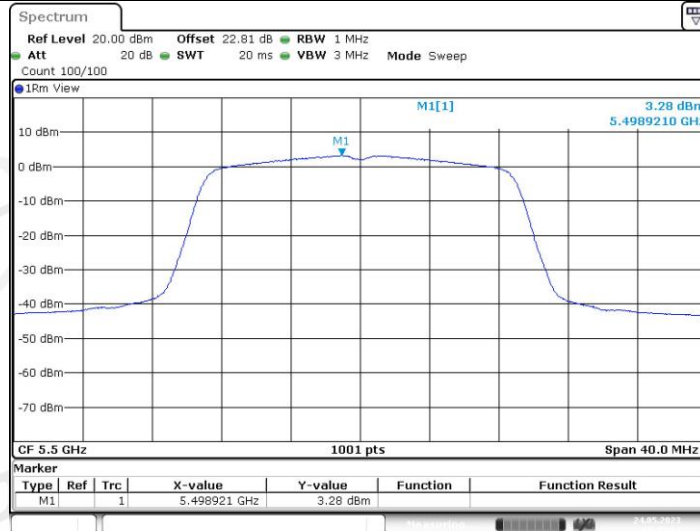
Date: 24.MAY.2023 09:31:08

11N20MIMO_Ant1_5500



Date: 24.MAY.2023 09:33:01

11N20MIMO_Ant2_5500



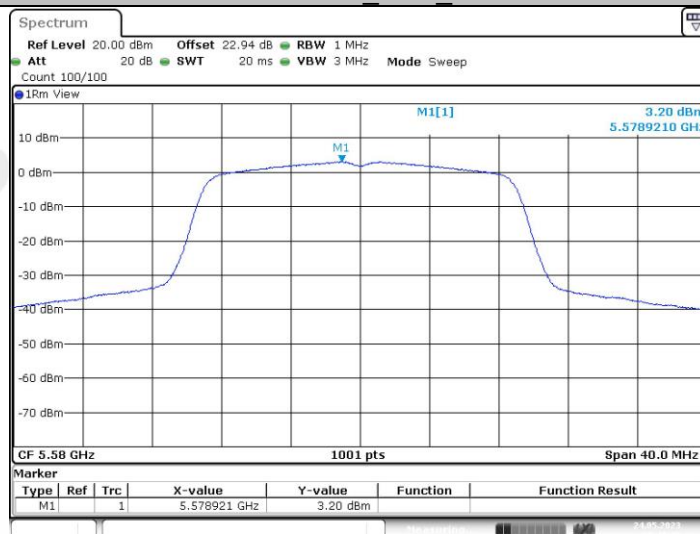
Date: 24.MAY.2023 09:35:01

11N20MIMO_Ant1_5580



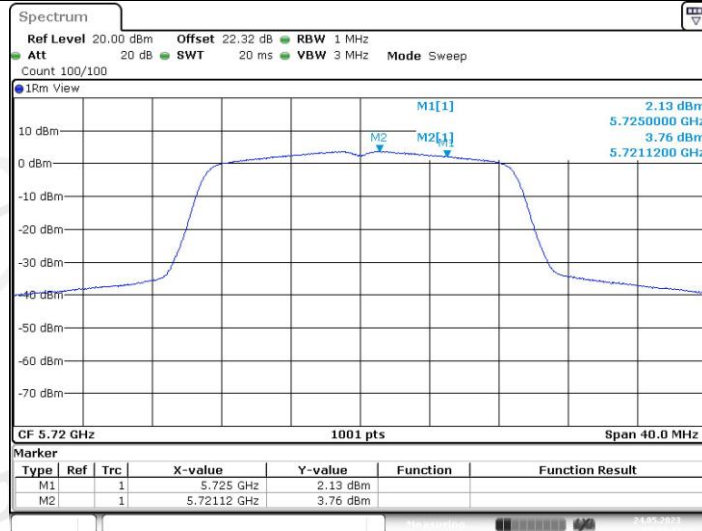
Date: 24.MAY.2023 09:40:03

11N20MIMO_Ant2_5580



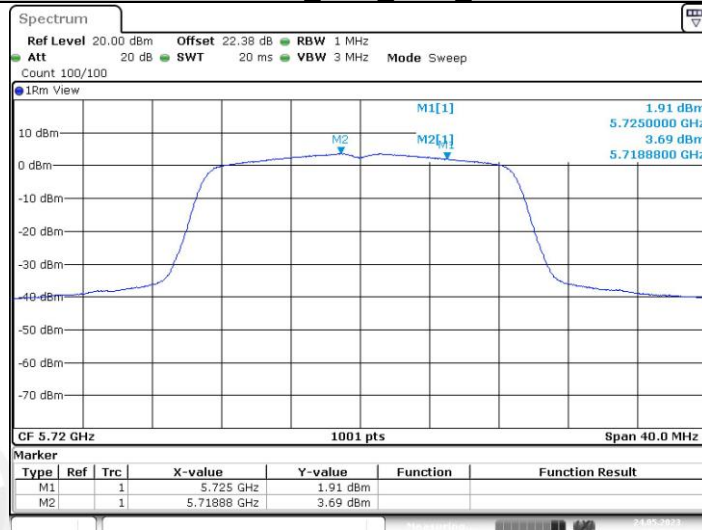
Date: 24.MAY.2023 09:41:45

11N20MIMO_Ant1_5720_UNII-2C



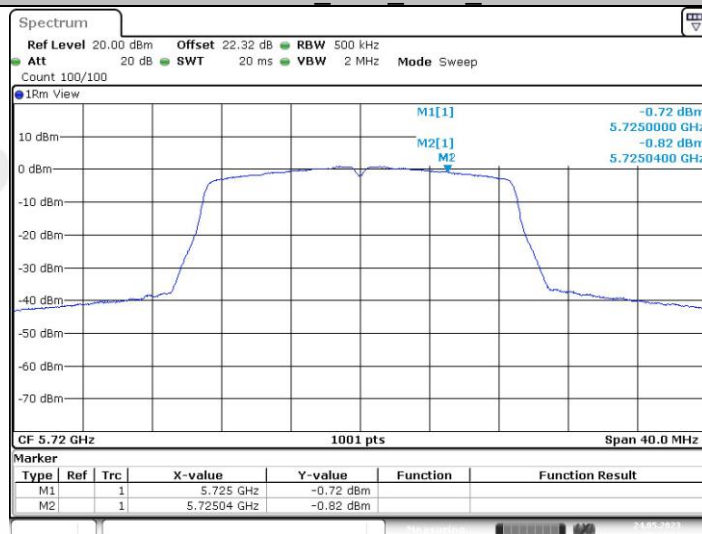
Date: 24.MAY.2023 09:43:43

11N20MIMO_Ant2_5720_UNII-2C



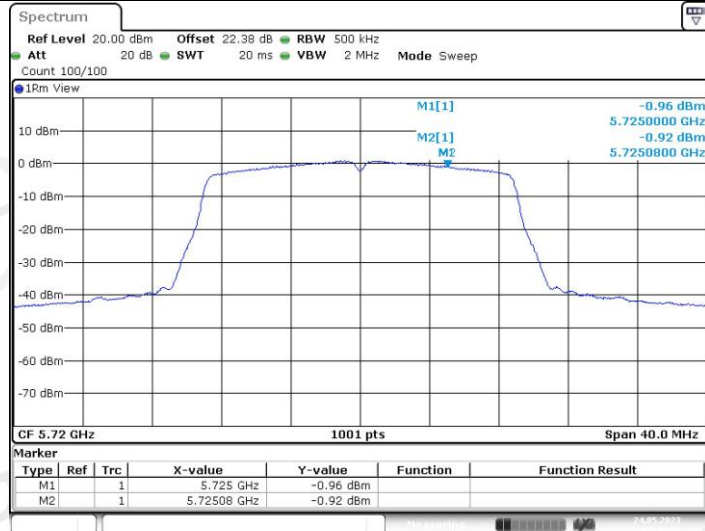
Date: 24.MAY.2023 09:45:54

11N20MIMO_Ant1_5720_UNII-3

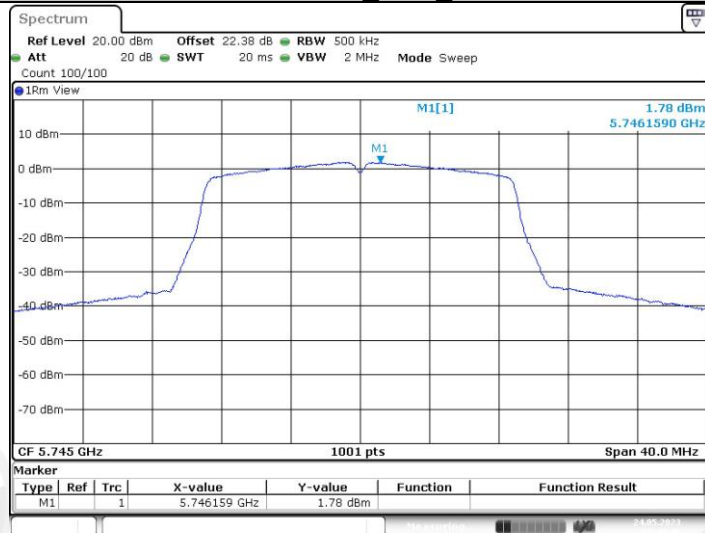


Date: 24.MAY.2023 09:44:11

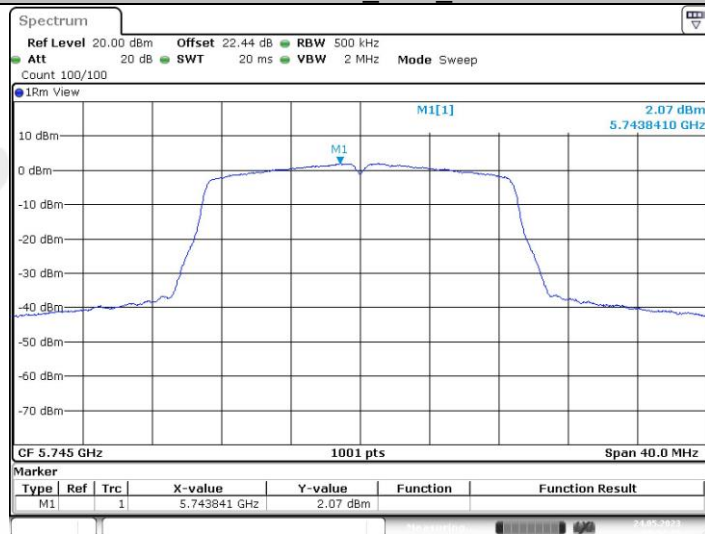
11N20MIMO_Ant2_5720_UNII-3



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825

