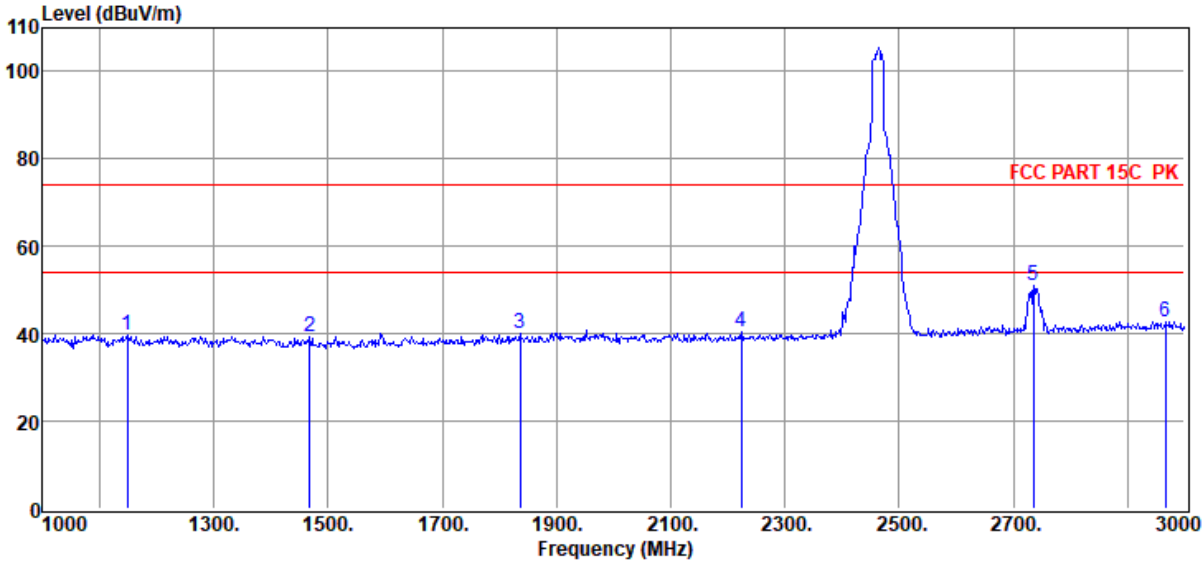
TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: 11AX20 2462		

Data: 37



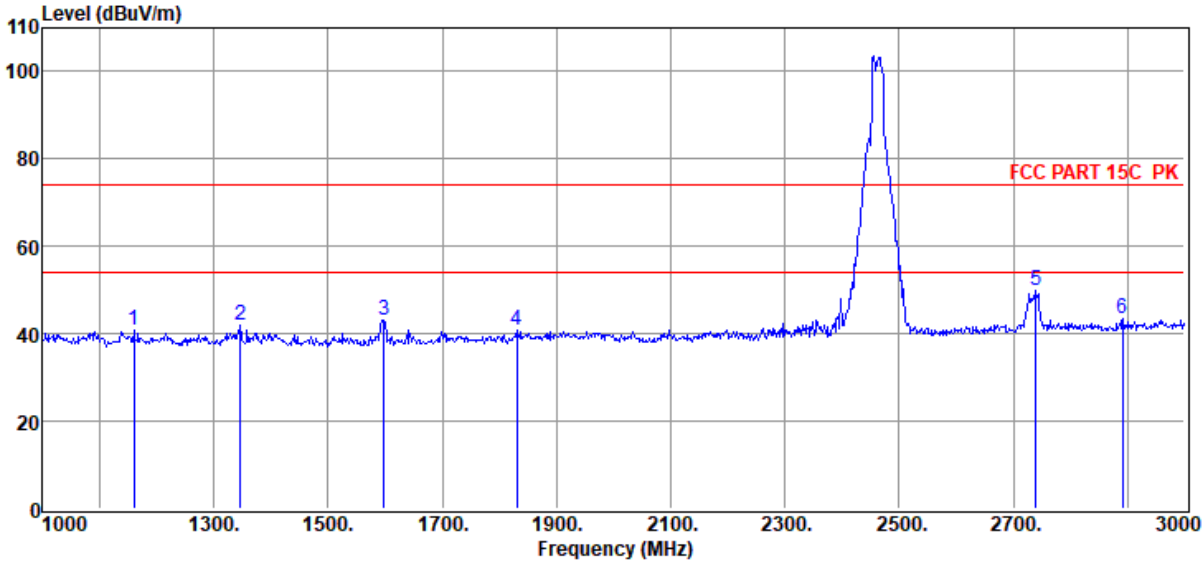
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1148.00	50.73	25.47	38.12	1.18	0.53	39.79	74.00	-34.21	Peak	HORIZONTAL
2	1468.00	50.65	25.41	38.60	1.36	0.58	39.40	74.00	-34.60	Peak	HORIZONTAL
3	1836.00	50.75	26.27	39.15	1.53	0.65	40.05	74.00	-33.95	Peak	HORIZONTAL
4	2224.00	50.61	27.10	39.51	1.66	0.70	40.56	74.00	-33.44	Peak	HORIZONTAL
5	2736.00	59.59	28.50	39.77	1.80	0.76	50.88	74.00	-23.12	Peak	HORIZONTAL
6	2966.00	50.73	29.37	39.88	1.86	0.79	42.87	74.00	-31.13	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: 11AX20 2462		

Data: 38



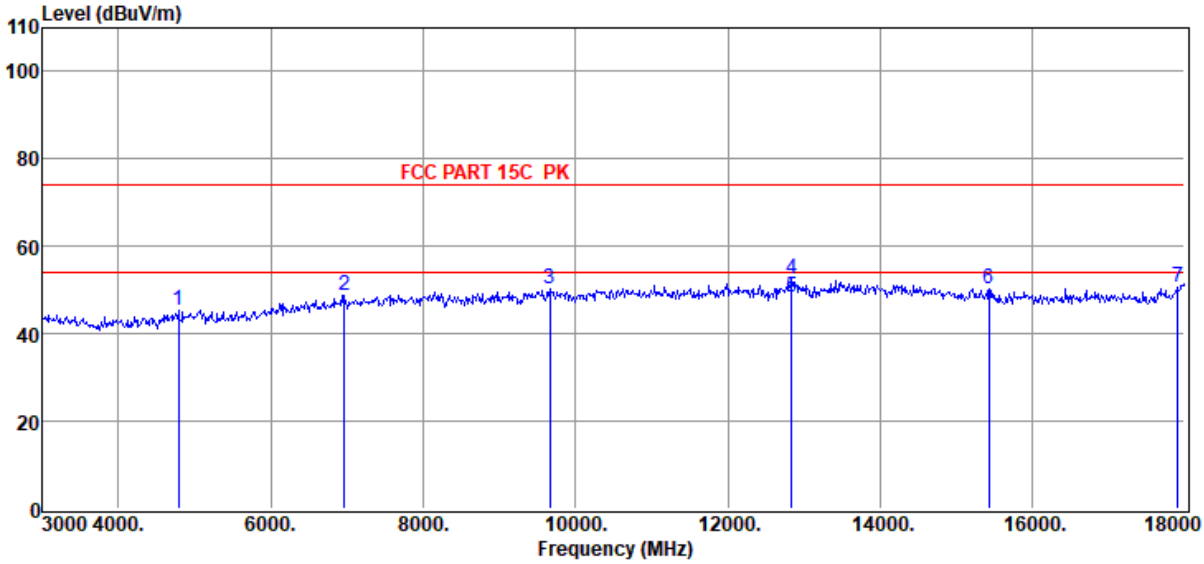
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1160.00	51.84	25.47	38.14	1.19	0.53	40.89	74.00	-33.11	Peak	VERTICAL
2	1346.00	52.93	25.43	38.42	1.29	0.56	41.79	74.00	-32.21	Peak	VERTICAL
3	1598.00	54.34	25.65	38.80	1.42	0.61	43.22	74.00	-30.78	Peak	VERTICAL
4	1830.00	51.39	26.26	39.15	1.53	0.65	40.68	74.00	-33.32	Peak	VERTICAL
5	2740.00	58.60	28.51	39.77	1.80	0.76	49.90	74.00	-24.10	Peak	VERTICAL
6	2892.00	51.57	29.09	39.85	1.84	0.78	43.43	74.00	-30.57	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: 11AX20 2412		

Data: 39



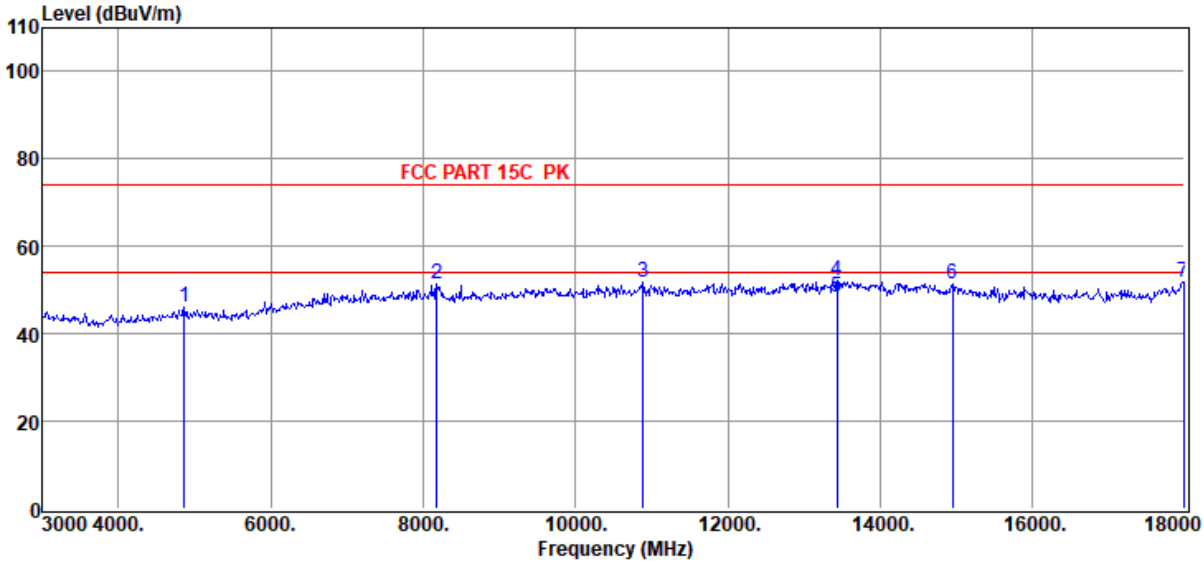
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4785.00	48.75	32.41	40.36	2.46	2.16	45.42	74.00	-28.58	Peak	HORIZONTAL
2	6960.00	47.32	35.94	39.73	3.04	2.28	48.85	74.00	-25.15	Peak	HORIZONTAL
3	9660.00	45.94	38.60	40.36	3.64	2.38	50.20	74.00	-23.80	Peak	HORIZONTAL
4	12840.00	46.28	39.41	40.35	4.18	2.87	52.39	74.00	-21.61	Peak	HORIZONTAL
5	12840.00	42.28	39.41	40.35	4.18	2.87	48.39	54.00	-5.61	Average	HORIZONTAL
6	15435.00	43.69	38.89	39.73	4.55	2.84	50.24	74.00	-23.76	Peak	HORIZONTAL
7	17910.00	40.71	41.94	40.65	4.93	3.76	50.69	74.00	-23.31	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: 11AX20 2412		

Data: 40



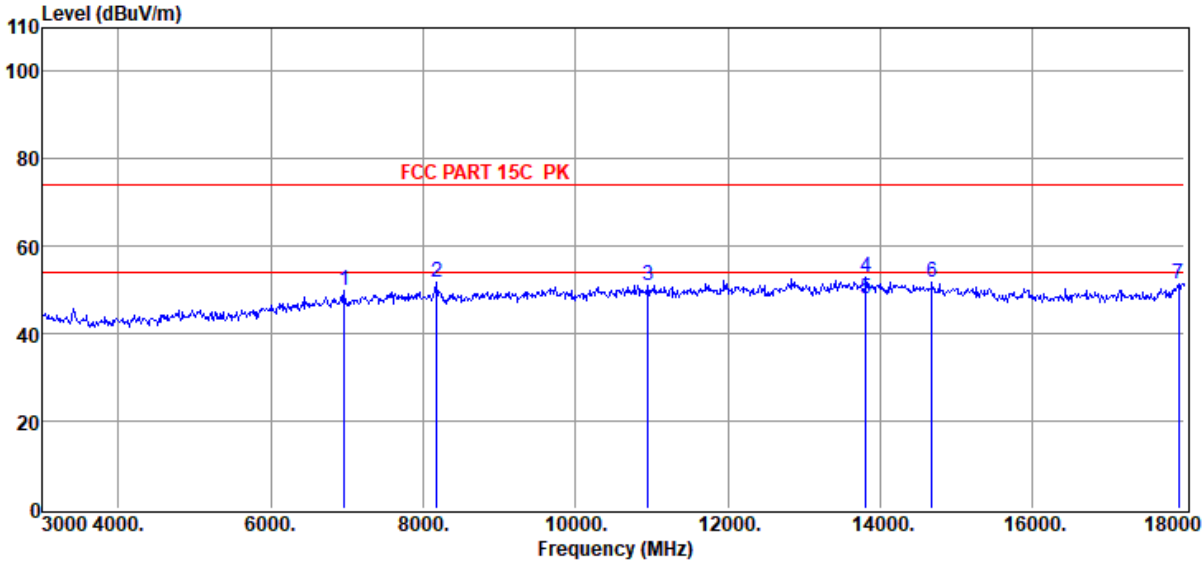
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4860.00	48.99	32.65	40.37	2.49	2.17	45.93	74.00	-28.07	Peak	VERTICAL
2	8175.00	48.64	37.28	39.82	3.20	2.26	51.56	74.00	-22.44	Peak	VERTICAL
3	10890.00	46.49	39.23	40.24	3.77	2.39	51.64	74.00	-22.36	Peak	VERTICAL
4	13440.00	45.37	39.95	40.09	4.04	2.93	52.20	74.00	-21.80	Peak	VERTICAL
5	13440.00	41.37	39.95	40.09	4.04	2.93	48.20	54.00	-5.80	Average	VERTICAL
6	14955.00	44.56	39.54	39.60	4.46	2.63	51.59	74.00	-22.41	Peak	VERTICAL
7	17985.00	41.25	42.41	40.69	4.96	3.79	51.72	74.00	-22.28	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: 11AX20 2437		

Data: 41



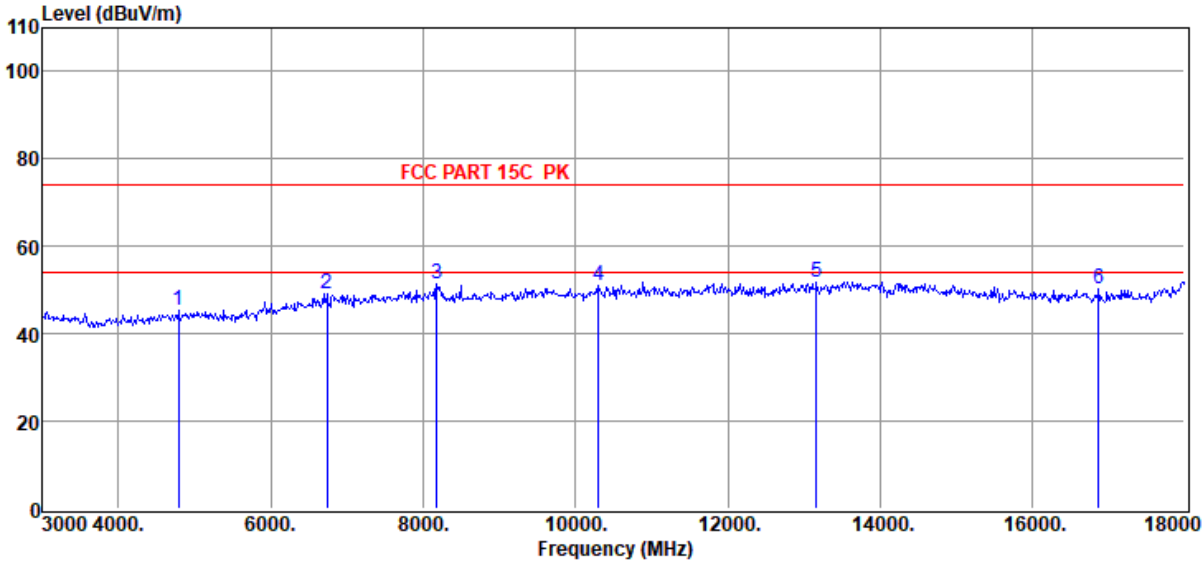
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	6960.00	48.22	35.94	39.73	3.04	2.28	49.75	74.00	-24.25	Peak	HORIZONTAL
2	8175.00	48.77	37.28	39.82	3.20	2.26	51.69	74.00	-22.31	Peak	HORIZONTAL
3	10950.00	45.91	39.27	40.22	3.79	2.39	51.14	74.00	-22.86	Peak	HORIZONTAL
4	13815.00	45.66	39.94	39.83	4.33	2.91	53.01	74.00	-20.99	Peak	HORIZONTAL
5	13815.00	40.66	39.94	39.83	4.33	2.91	48.01	54.00	-5.99	Average	HORIZONTAL
6	14685.00	44.44	39.75	39.63	4.39	2.71	51.66	74.00	-22.34	Peak	HORIZONTAL
7	17925.00	41.19	42.03	40.65	4.94	3.77	51.28	74.00	-22.72	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: 11AX20 2437		

Data: 42



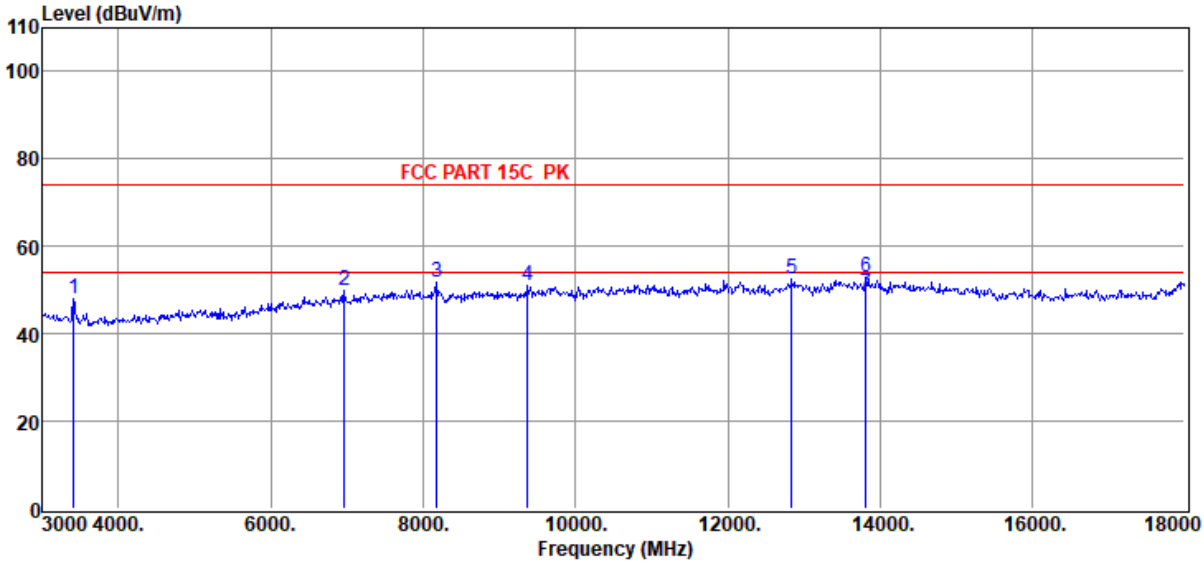
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4785.00	48.59	32.41	40.36	2.46	2.16	45.26	74.00	-28.74	Peak	VERTICAL
2	6735.00	47.76	35.58	39.91	3.15	2.40	48.98	74.00	-25.02	Peak	VERTICAL
3	8175.00	48.64	37.28	39.82	3.20	2.26	51.56	74.00	-22.44	Peak	VERTICAL
4	10305.00	46.59	38.77	40.48	3.67	2.45	51.00	74.00	-23.00	Peak	VERTICAL
5	13170.00	45.07	39.74	40.28	4.26	2.95	51.74	74.00	-22.26	Peak	VERTICAL
6	16875.00	43.89	38.35	40.07	4.72	3.46	50.35	74.00	-23.65	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: 11AX20 2462		

Data: 43



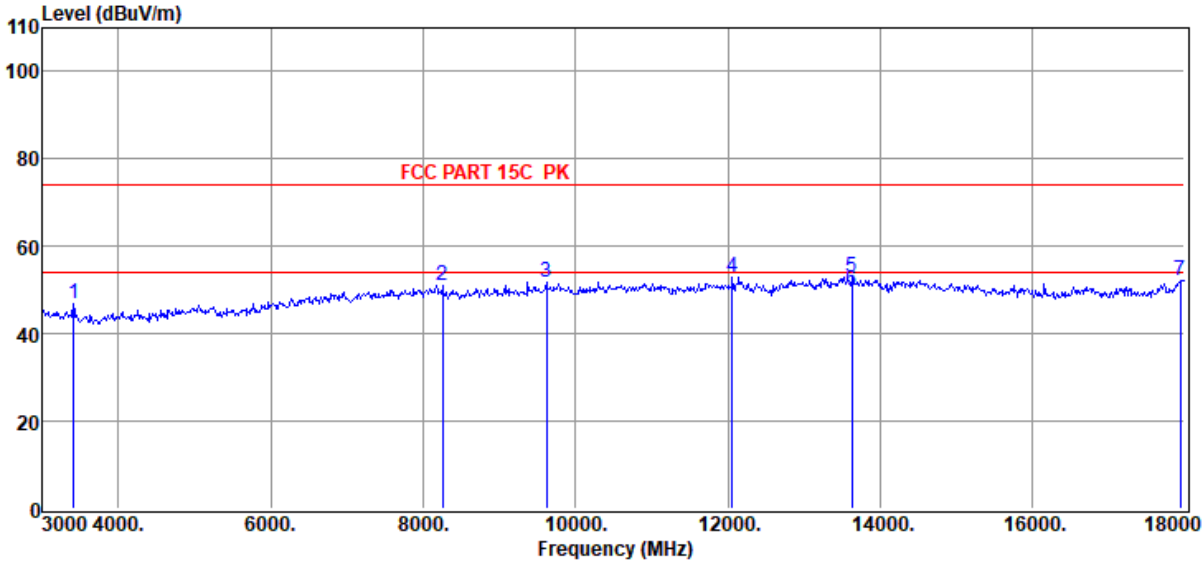
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3405.00	54.09	29.42	40.02	1.72	2.71	47.92	74.00	-26.08	Peak	HORIZONTAL
2	6960.00	48.22	35.94	39.73	3.04	2.28	49.75	74.00	-24.25	Peak	HORIZONTAL
3	8175.00	48.77	37.28	39.82	3.20	2.26	51.69	74.00	-22.31	Peak	HORIZONTAL
4	9375.00	46.78	38.60	40.16	3.55	2.29	51.06	74.00	-22.94	Peak	HORIZONTAL
5	12840.00	46.28	39.41	40.35	4.18	2.87	52.39	74.00	-21.61	Peak	HORIZONTAL
6	13815.00	45.66	39.94	39.83	4.33	2.91	53.01	74.00	-20.99	Peak	HORIZONTAL
7	13815.00	41.66	39.94	39.83	4.33	2.91	49.01	54.00	-4.99	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: 11AX20 2462		

Data: 44



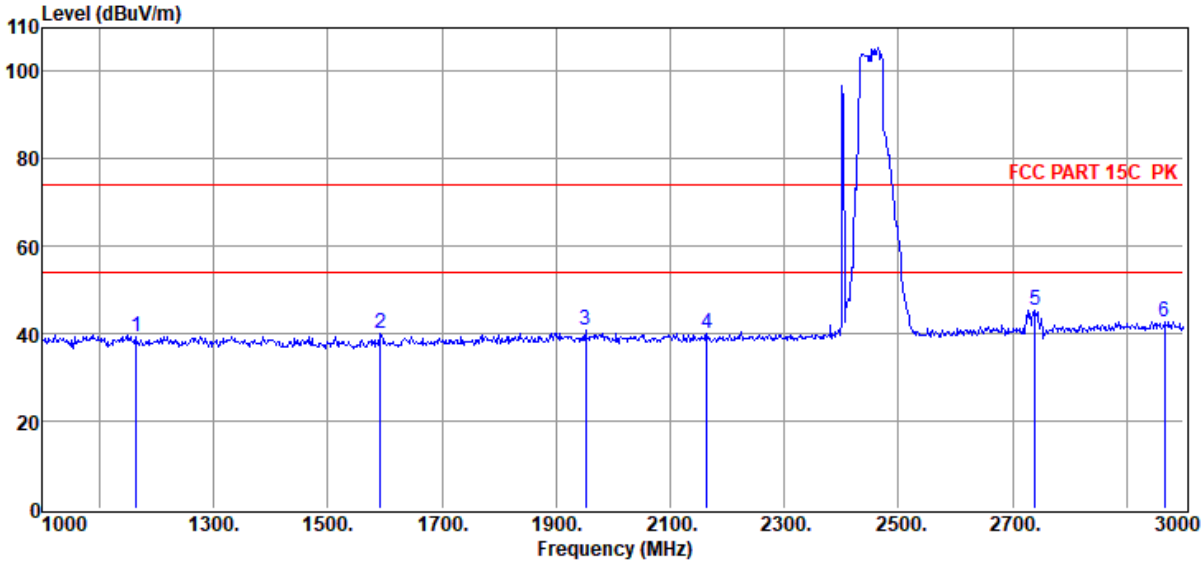
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3405.00	53.07	29.42	40.02	1.72	2.71	46.90	74.00	-27.10	Peak	VERTICAL
2	8250.00	48.12	37.40	39.83	3.20	2.26	51.15	74.00	-22.85	Peak	VERTICAL
3	9615.00	47.51	38.63	40.33	3.63	2.36	51.80	74.00	-22.20	Peak	VERTICAL
4	12060.00	47.51	39.18	40.12	4.01	2.43	53.01	74.00	-20.99	Peak	VERTICAL
5	13635.00	45.98	39.97	39.96	4.14	2.92	53.05	74.00	-20.95	Peak	VERTICAL
6	13635.00	42.98	39.97	39.96	4.14	2.92	50.05	54.00	-3.95	Average	VERTICAL
7	17940.00	41.85	42.13	40.66	4.94	3.77	52.03	74.00	-21.97	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BT DH5 2402+2.4G WIFI AX40 2452		

Data: 45



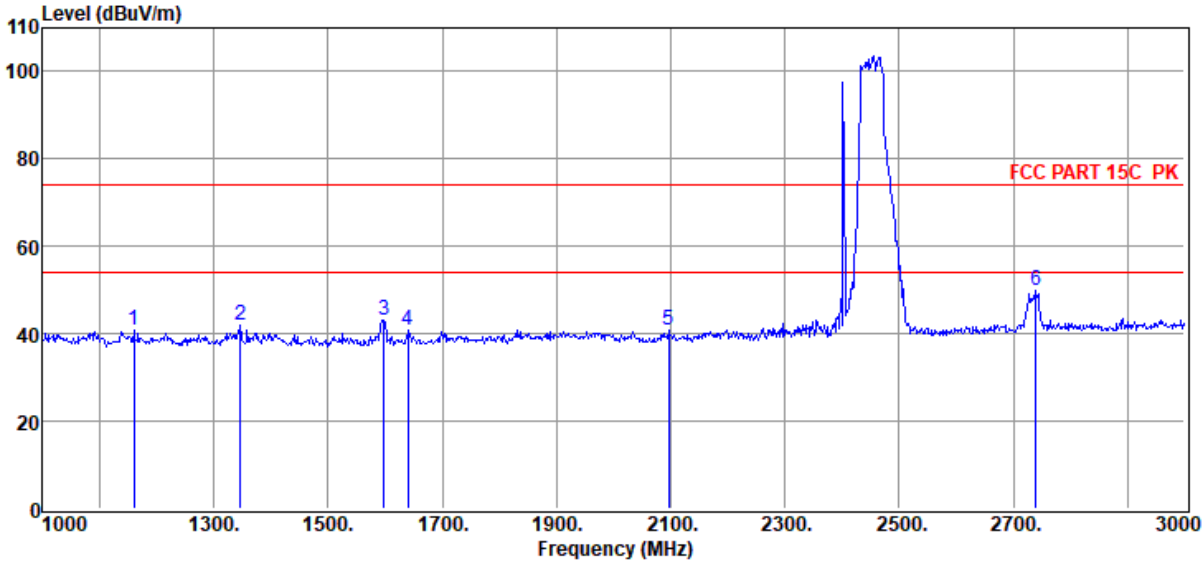
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Filter Factor (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1164.00	50.45	25.47	38.15	1.19	0.53	39.49	74.00	-34.51	Peak	HORIZONTAL
2	1592.00	51.08	25.64	38.79	1.42	0.61	39.96	74.00	-34.04	Peak	HORIZONTAL
3	1952.00	51.26	26.58	39.33	1.58	0.67	40.76	74.00	-33.24	Peak	HORIZONTAL
4	2164.00	50.38	27.00	39.48	1.65	0.70	40.25	74.00	-33.75	Peak	HORIZONTAL
5	2740.00	54.00	28.51	39.77	1.80	0.76	45.30	74.00	-28.70	Peak	HORIZONTAL
6	2966.00	50.73	29.37	39.88	1.86	0.79	42.87	74.00	-31.13	Peak	HORIZONTAL

Note:
1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BT DH5 2402+2.4G WIFI AX40 2452		

Data: 46



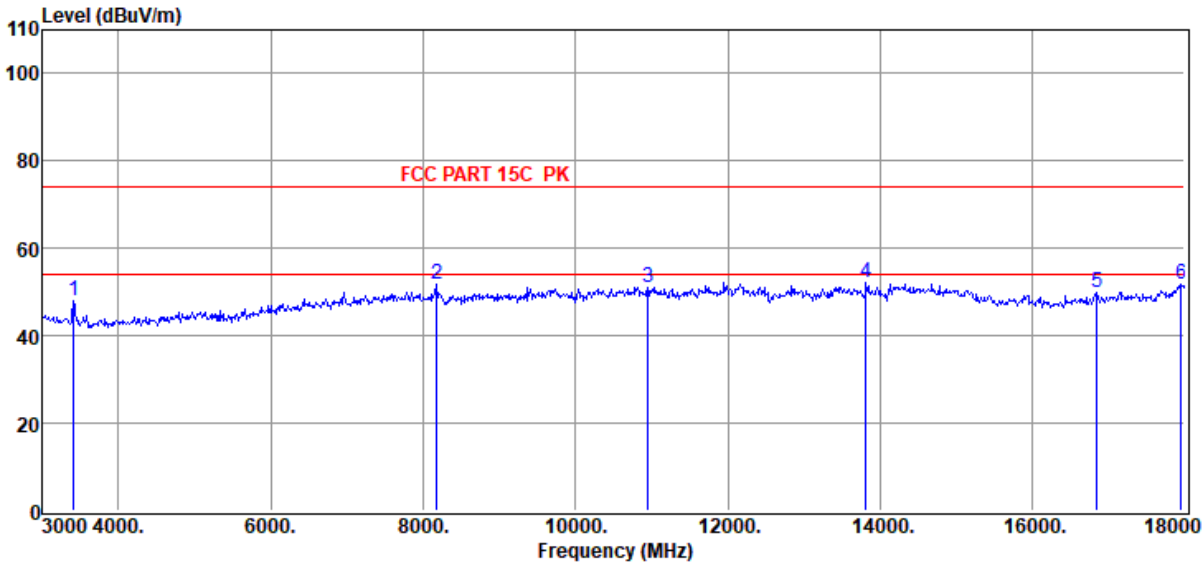
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Filter Factor (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1160.00	51.84	25.47	38.14	1.19	0.53	40.89	74.00	-33.11	Peak	VERTICAL
2	1346.00	52.93	25.43	38.42	1.29	0.56	41.79	74.00	-32.21	Peak	VERTICAL
3	1598.00	54.34	25.65	38.80	1.42	0.61	43.22	74.00	-30.78	Peak	VERTICAL
4	1640.00	51.79	25.76	38.86	1.44	0.62	40.75	74.00	-33.25	Peak	VERTICAL
5	2096.00	50.97	26.87	39.45	1.63	0.69	40.71	74.00	-33.29	Peak	VERTICAL
6	2740.00	58.60	28.51	39.77	1.80	0.76	49.90	74.00	-24.10	Peak	VERTICAL

Note:
1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BT DH5 2402+2.4G WIFI AX40 2452		

Data: 47



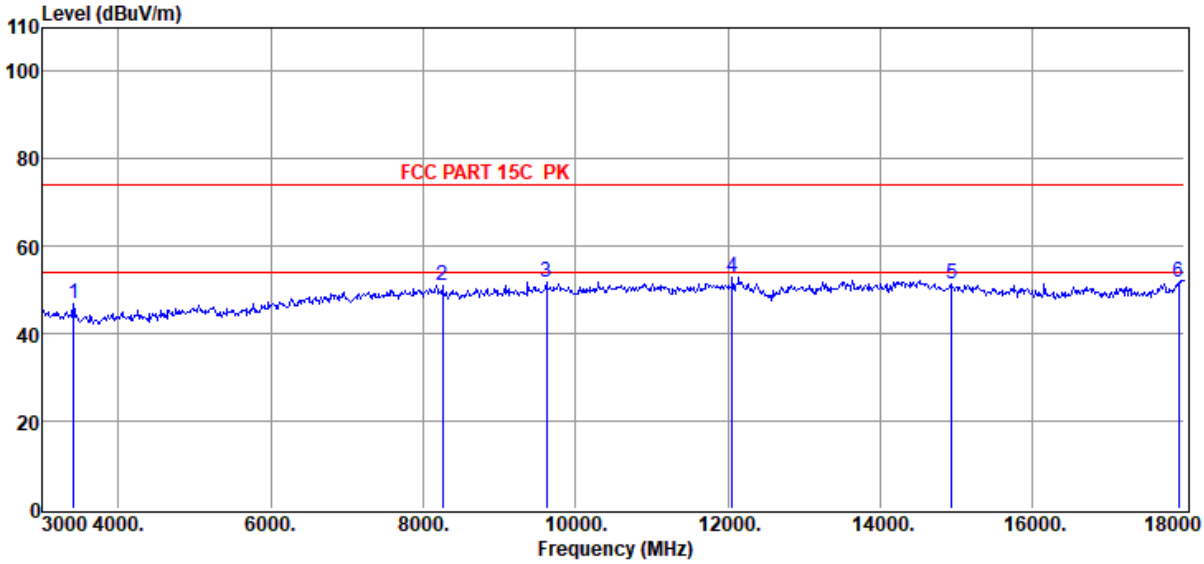
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Filter Factor (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3405.00	54.09	29.42	40.02	1.72	2.71	47.92	74.00	-26.08	Peak	HORIZONTAL
2	8175.00	48.77	37.28	39.82	3.20	2.26	51.69	74.00	-22.31	Peak	HORIZONTAL
3	10950.00	45.91	39.27	40.22	3.79	2.39	51.14	74.00	-22.86	Peak	HORIZONTAL
4	13815.00	44.66	39.94	39.83	4.33	2.91	52.01	74.00	-21.99	Peak	HORIZONTAL
5	16845.00	43.66	38.31	40.07	4.72	3.45	50.07	74.00	-23.93	Peak	HORIZONTAL
6	17955.00	41.49	42.22	40.67	4.95	3.78	51.77	74.00	-22.23	Peak	HORIZONTAL

Note:
1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q21123016-3O 1020VR\FCC ABOVE 1G 2.4G WIFI.EM6	
Test Date	: 2022-07-07	**Tested By**	: Bairong
EUT	: arpara AIO 5K	**Model Number**	: VRM1020WNA
Power Supply	: Battery	**Test Mode**	: Tx Mode
Condition	: Temp:22.2°C,Humi:52.4%,Press:100.3kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BT DH5 2402+2.4G WIFI AX40 2452		

Data: 48



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Filter Factor (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3405.00	53.07	29.42	40.02	1.72	2.71	46.90	74.00	-27.10	Peak	VERTICAL
2	8250.00	48.12	37.40	39.83	3.20	2.26	51.15	74.00	-22.85	Peak	VERTICAL
3	9615.00	47.51	38.63	40.33	3.63	2.36	51.80	74.00	-22.20	Peak	VERTICAL
4	12060.00	47.51	39.18	40.12	4.01	2.43	53.01	74.00	-20.99	Peak	VERTICAL
5	14940.00	44.27	39.55	39.61	4.46	2.64	51.31	74.00	-22.69	Peak	VERTICAL
6	17925.00	41.75	42.03	40.65	4.94	3.77	51.84	74.00	-22.16	Peak	VERTICAL

Note:
1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

9. RF Conducted Spurious Emissions

9.1. Block diagram of test setup

Same as section 4.1

9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

9.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	≥span/RBW
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

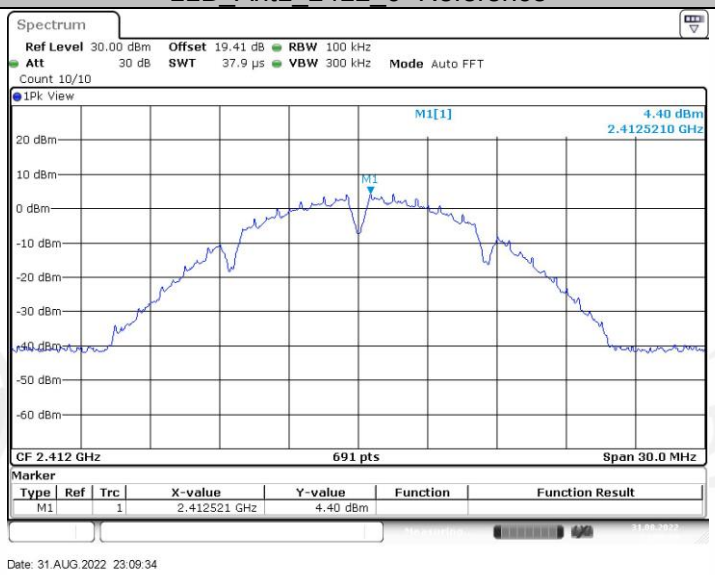
9.4. Test result

EUT Set Mode	CH or Frequency	Result (dBm)	EUT Set Mode	CH or Frequency	Result Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass
11ax HE 20	CH1	Pass	11ax HE 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass

Note: for 802.11ax mode, according exploratory explorer test, Specific Resource Unit have no distinct influence, so the final test data only record the Worst Case.

9.5. Original test data

11B_Ant1_2412_0~Reference



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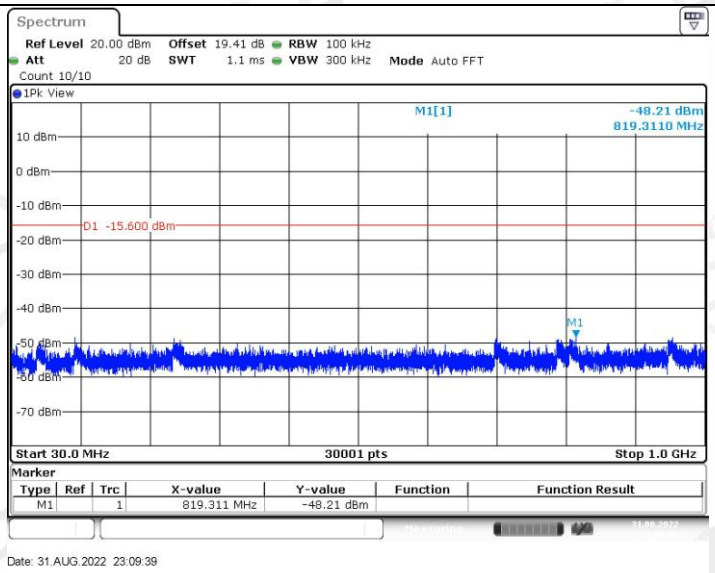

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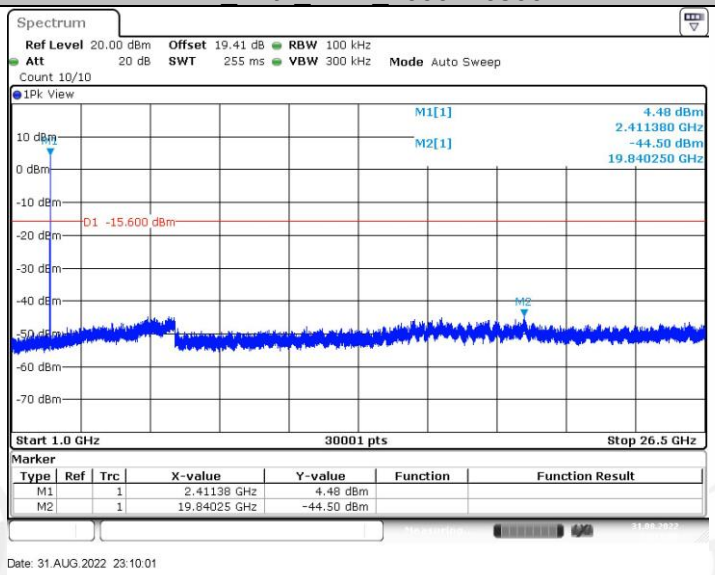

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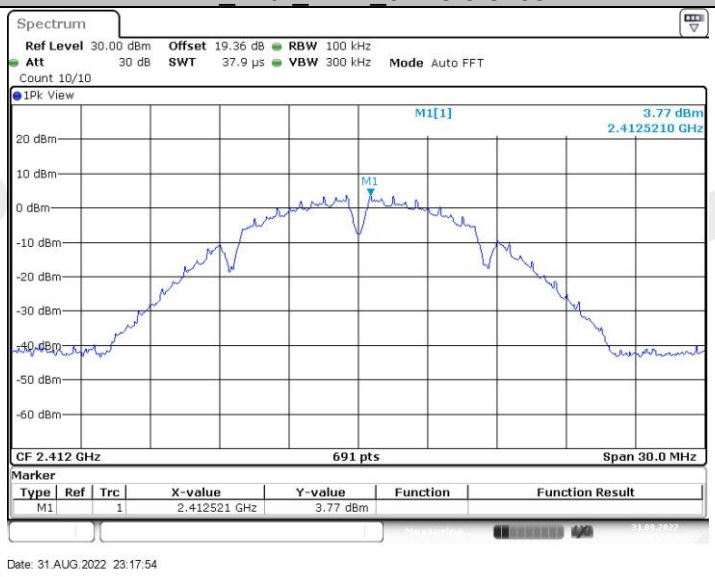

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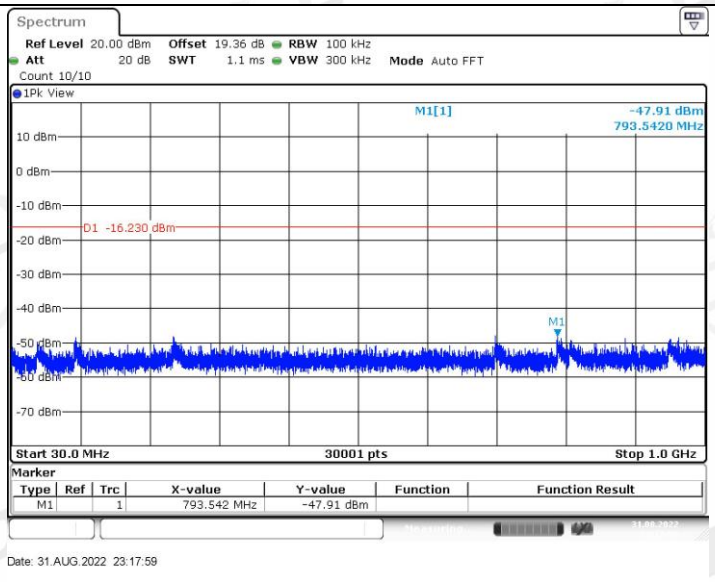

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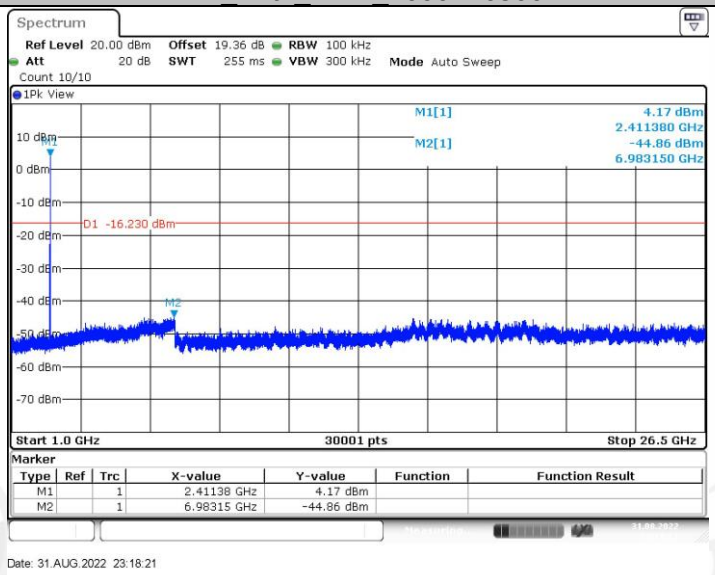

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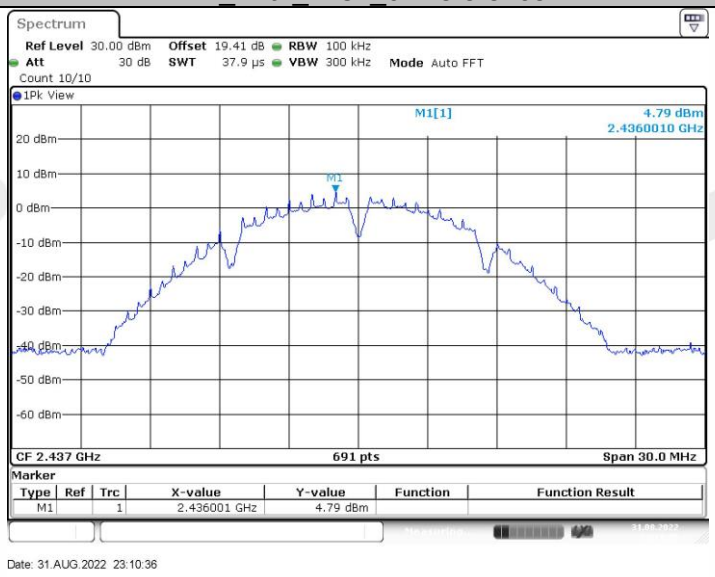

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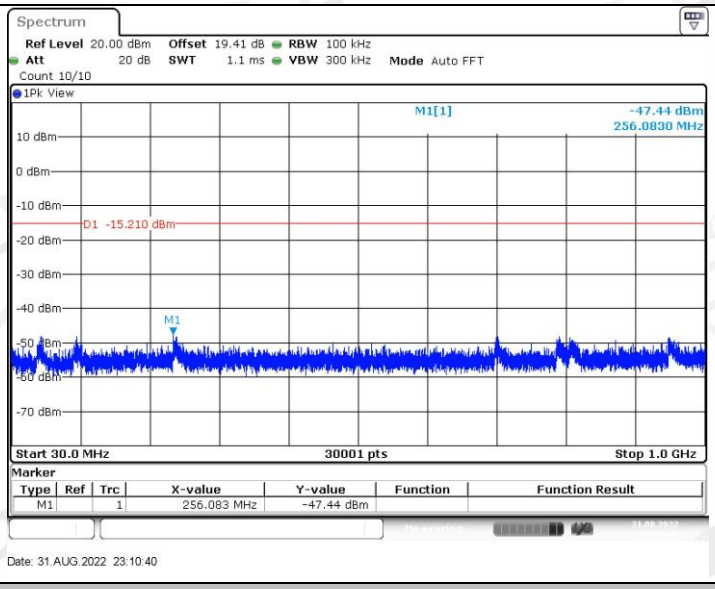

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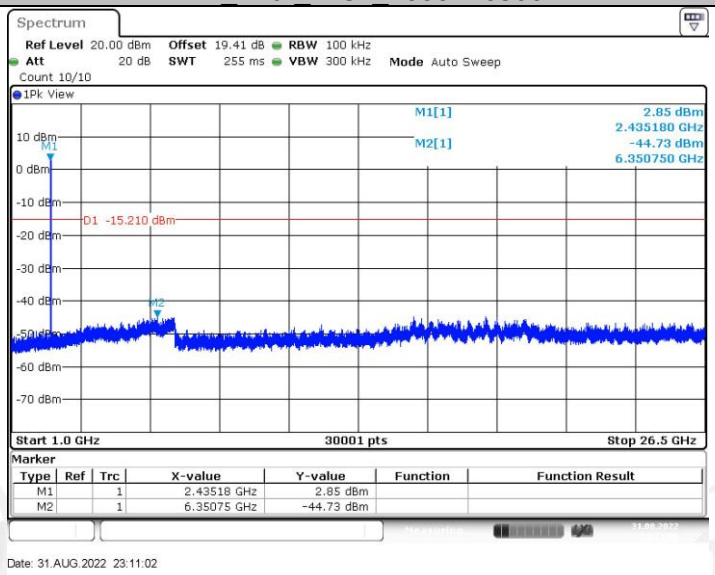

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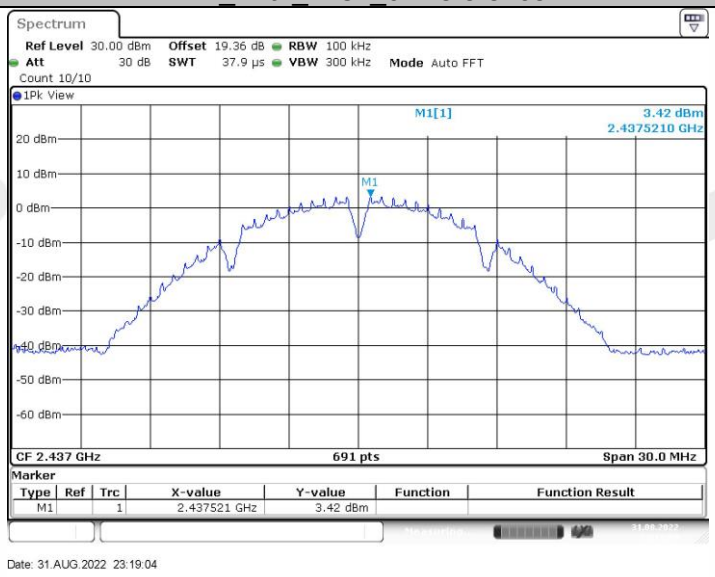

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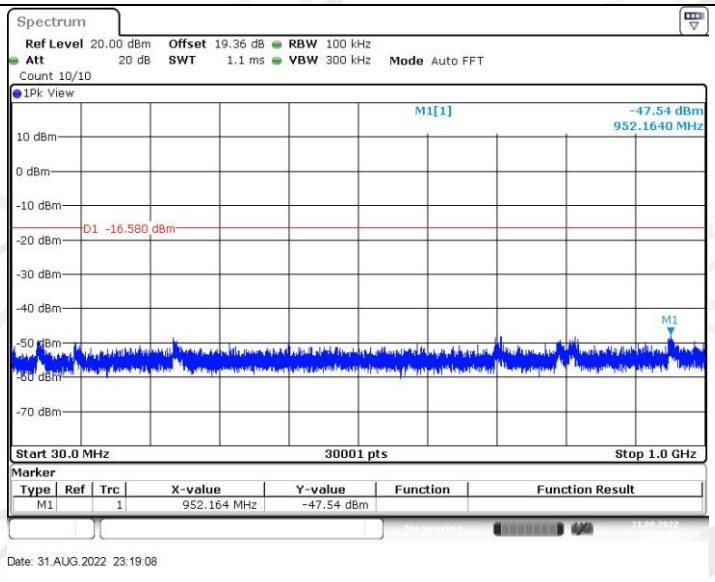

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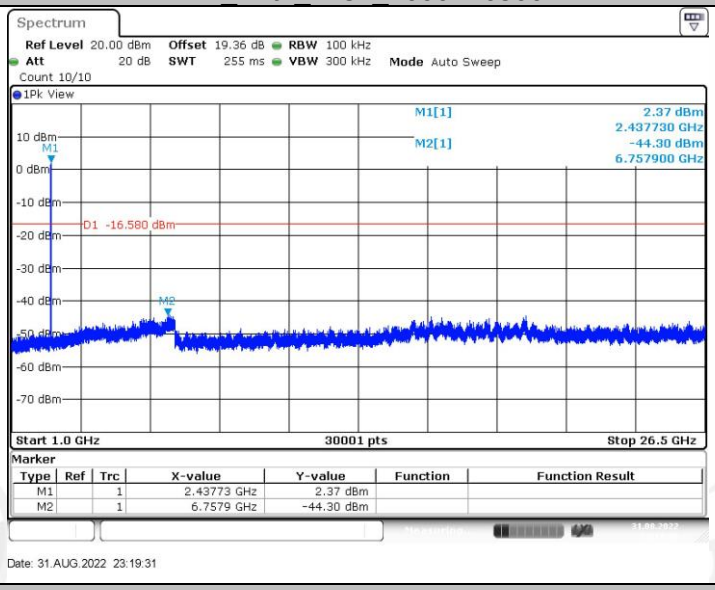

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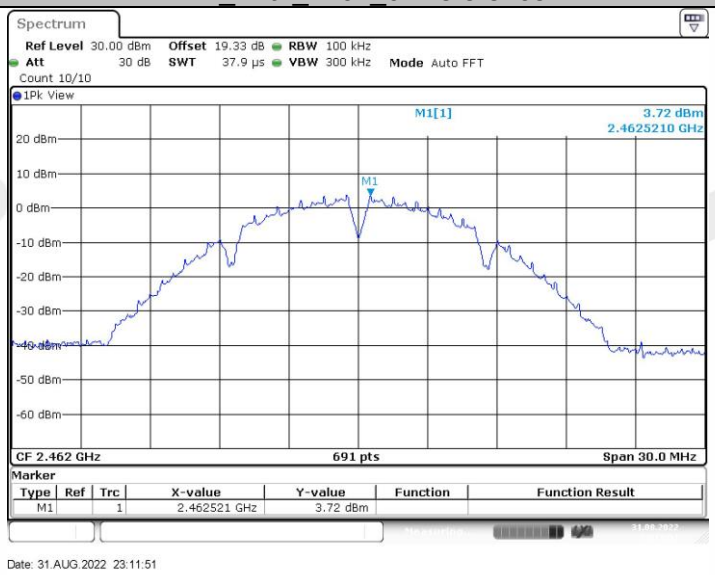

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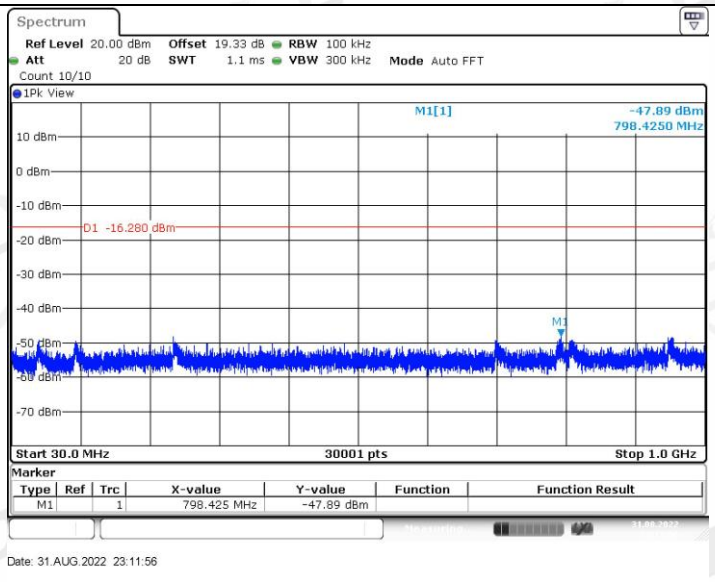

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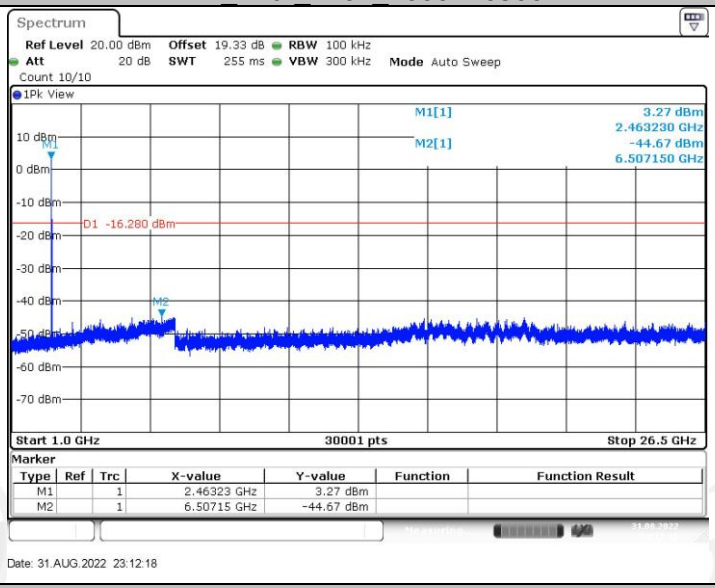

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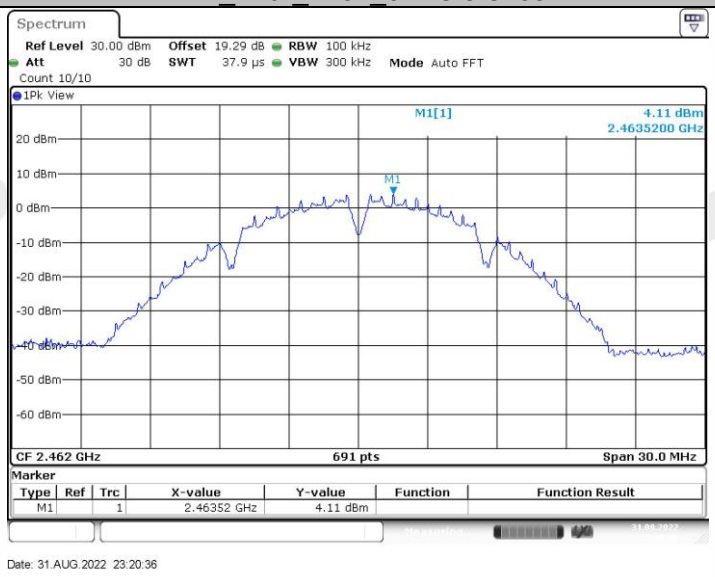

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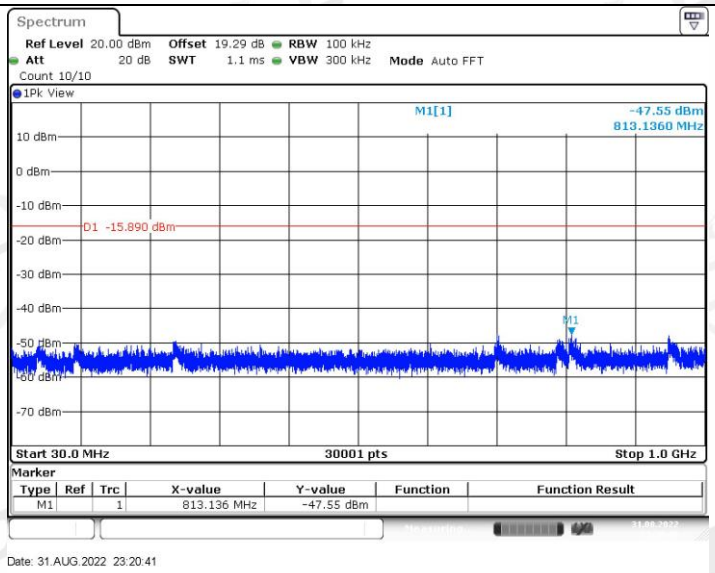

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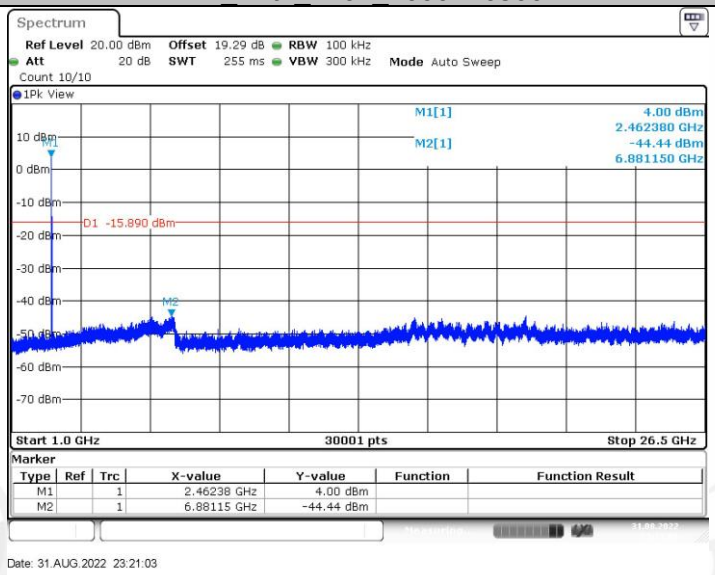

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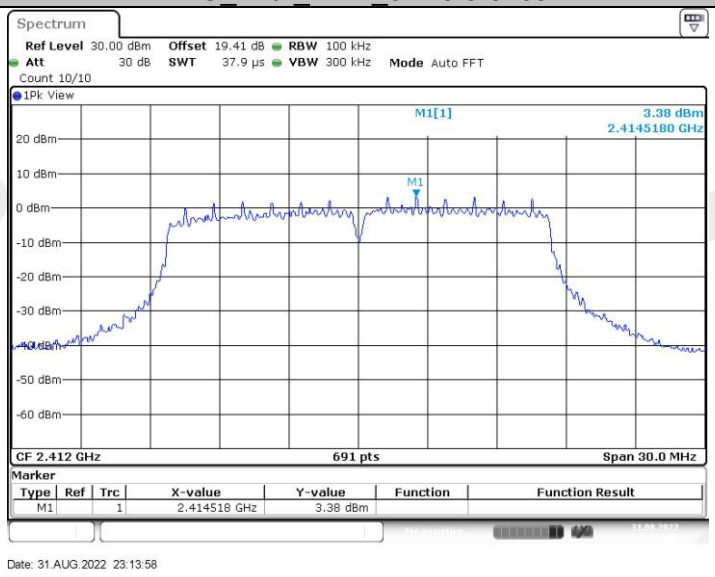

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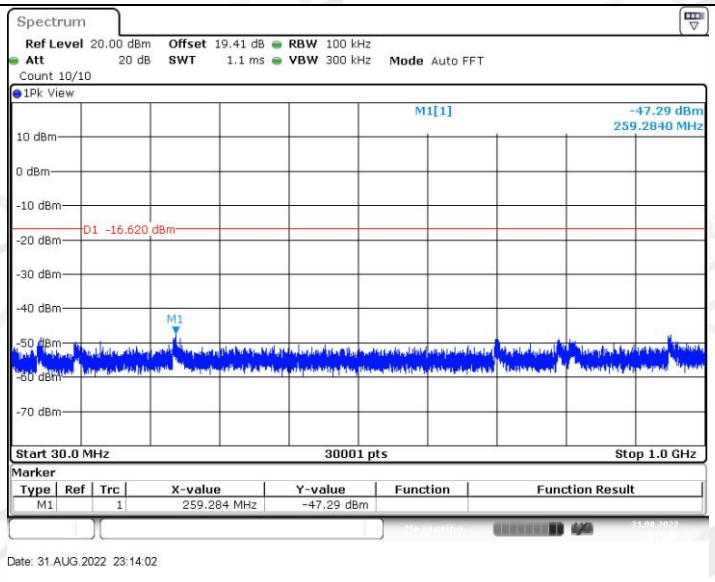

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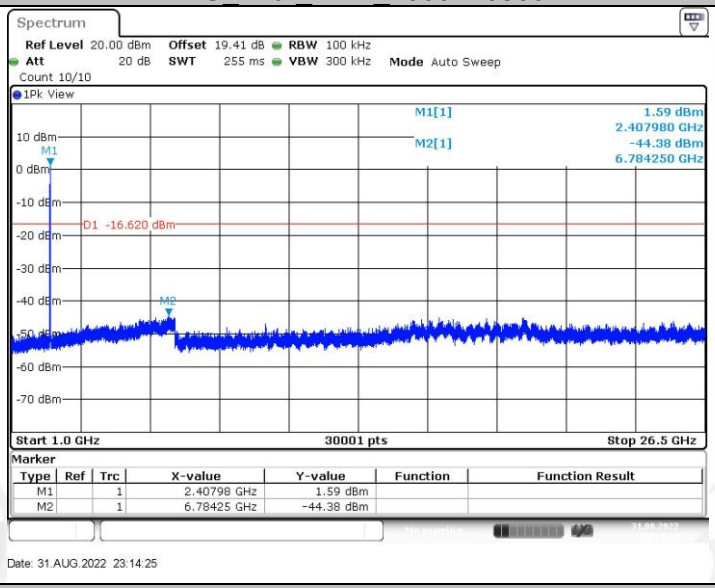

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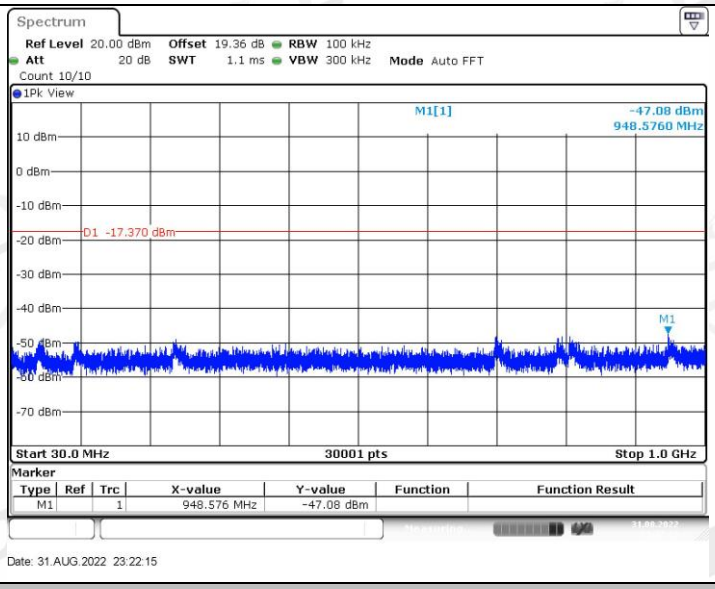
11G_Ant2_2412_30~1000



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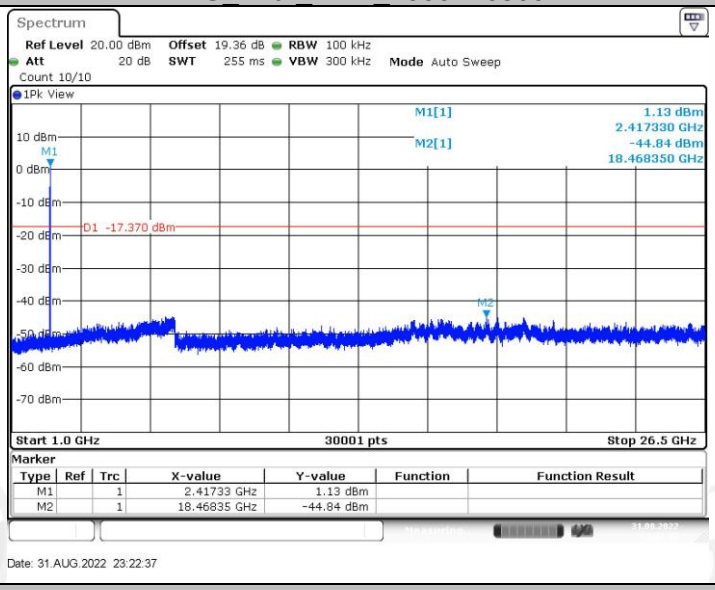

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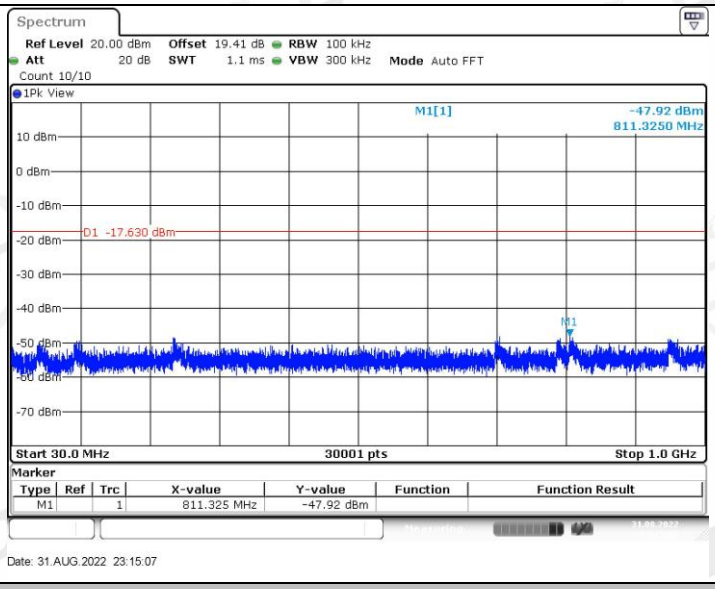

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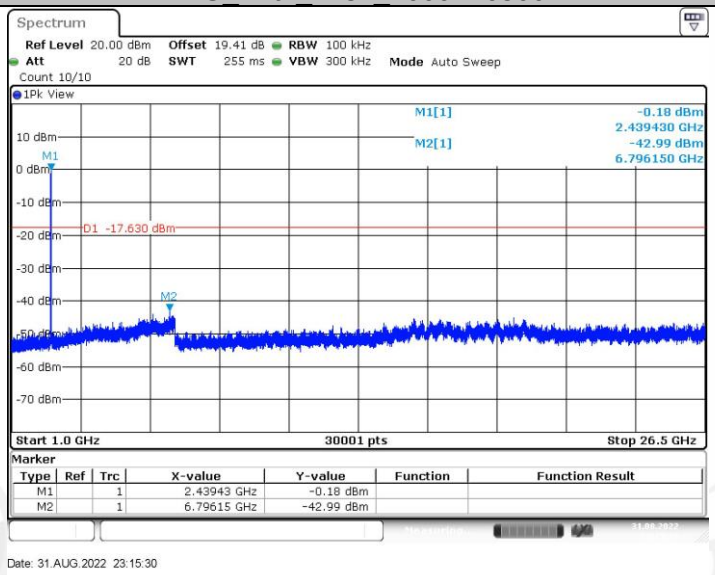

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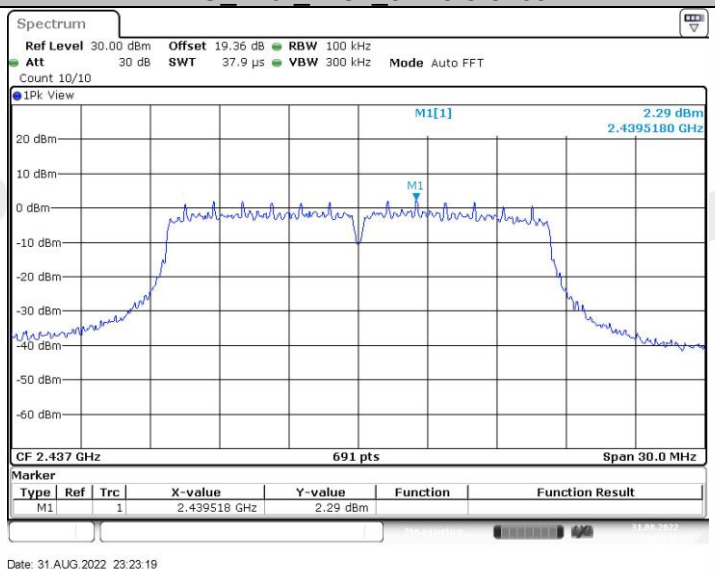

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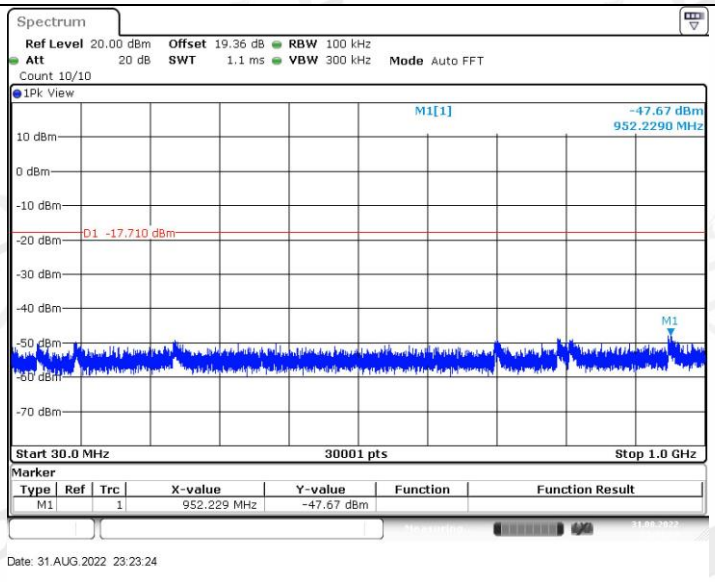

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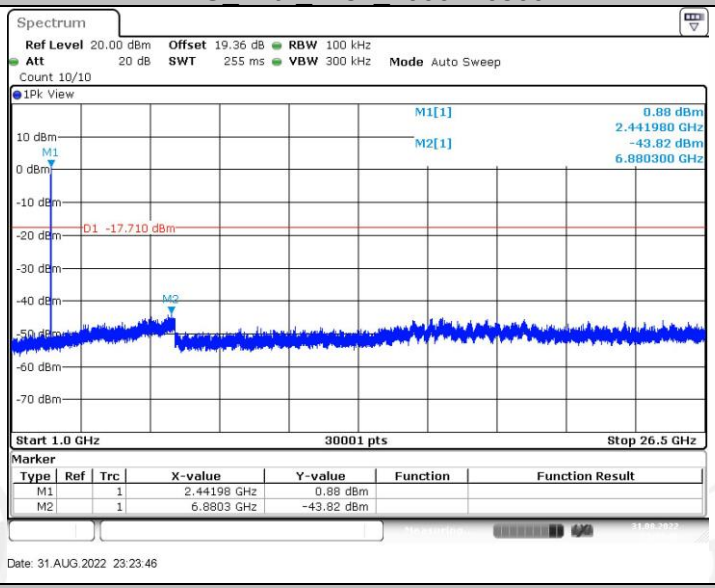

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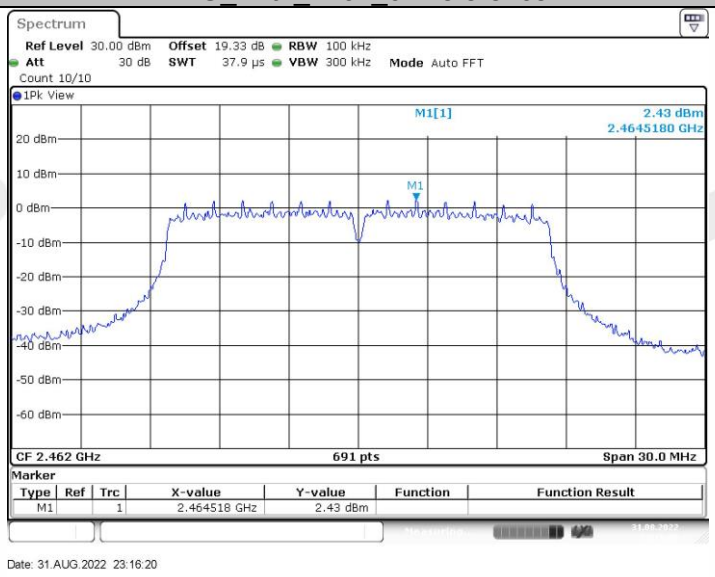

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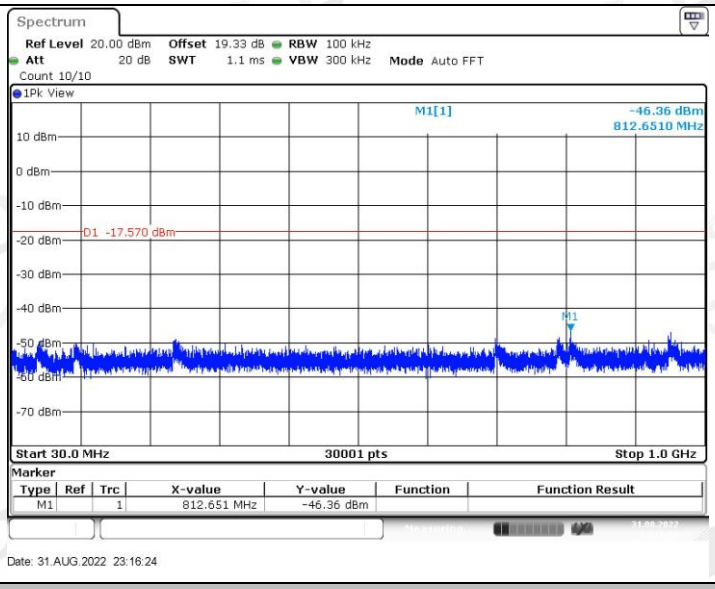

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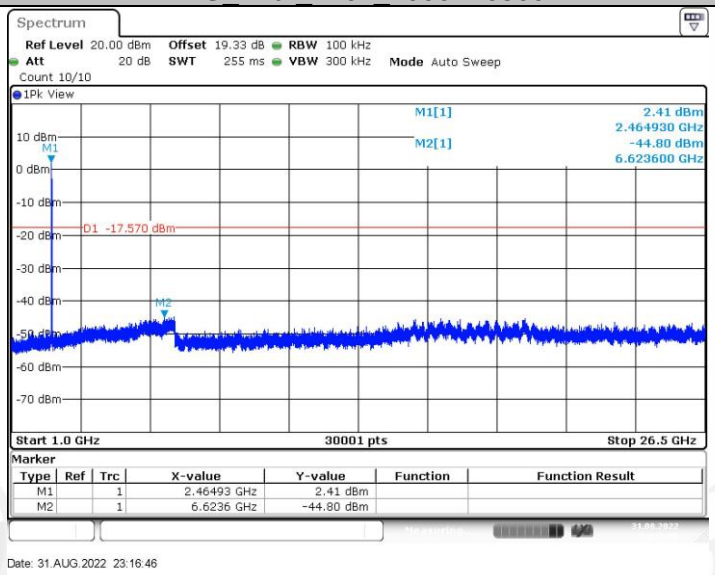

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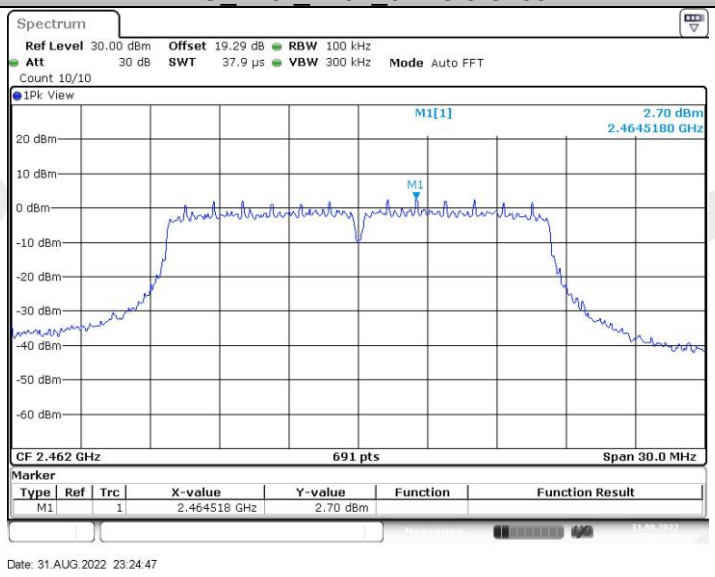

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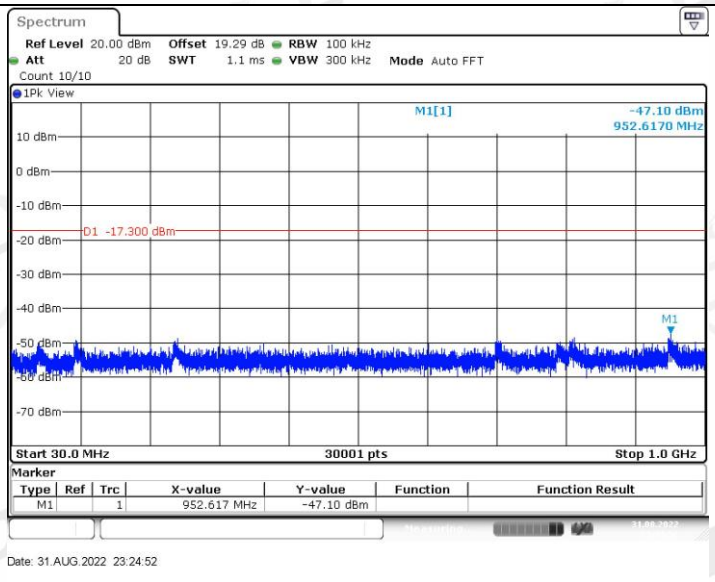

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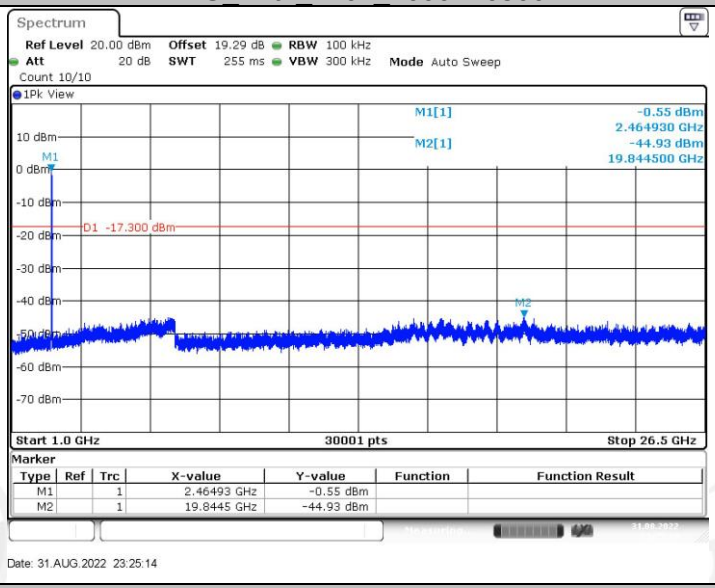
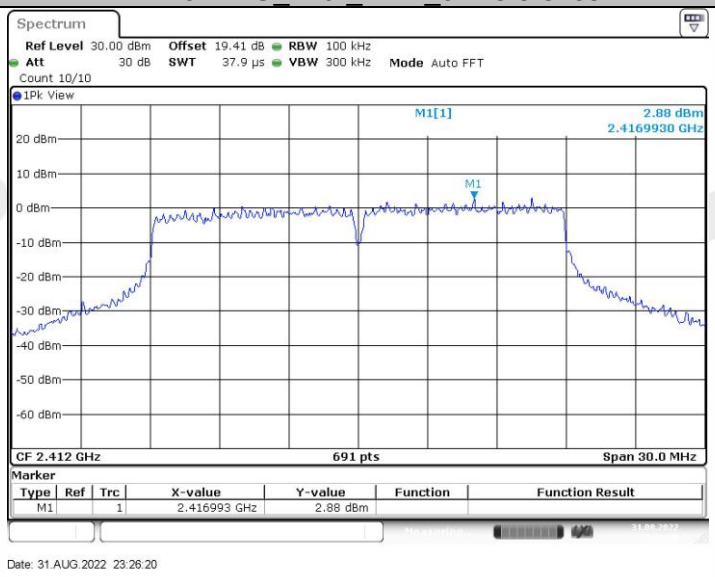


11N20MIMO_Ant1_2412_0~Reference



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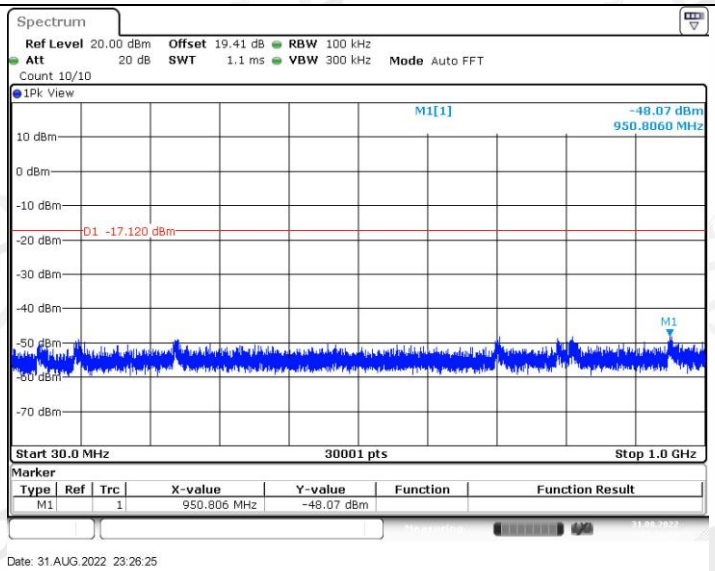

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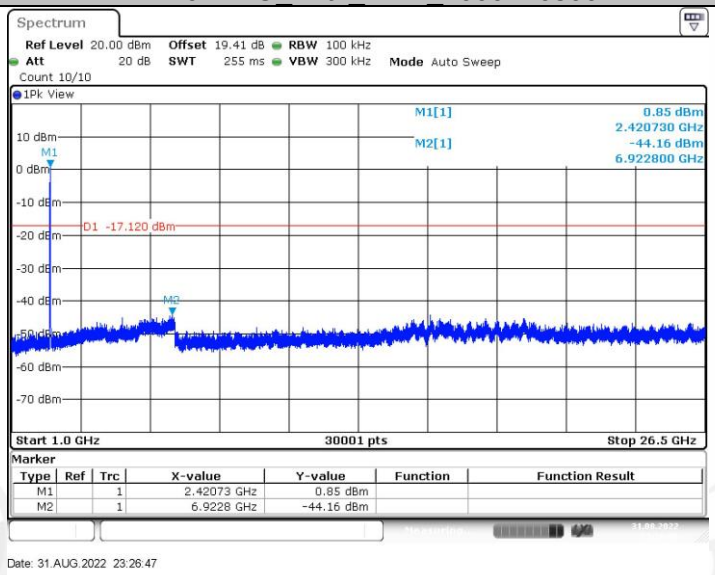

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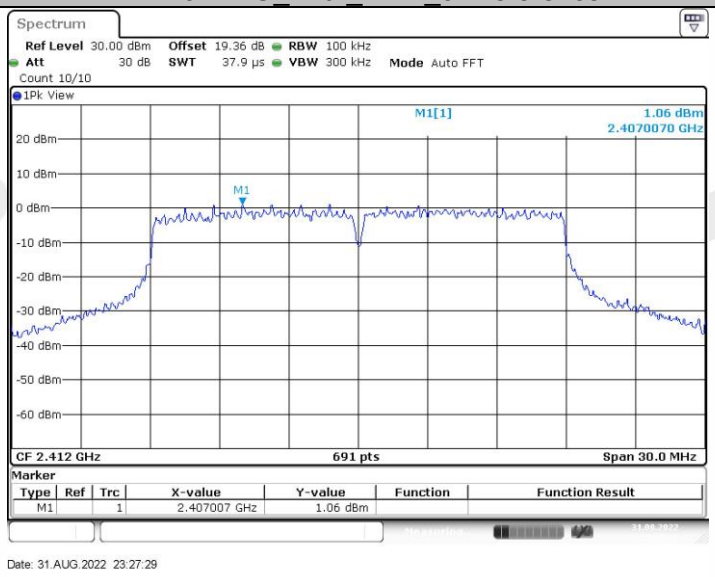
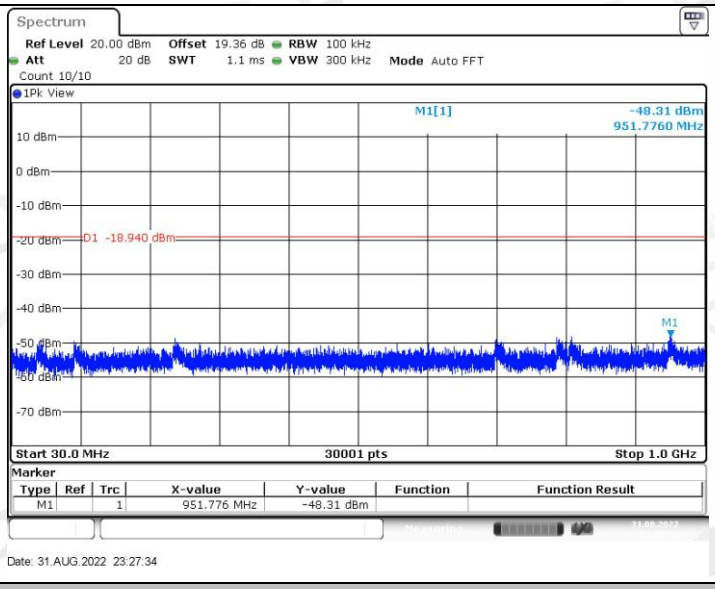
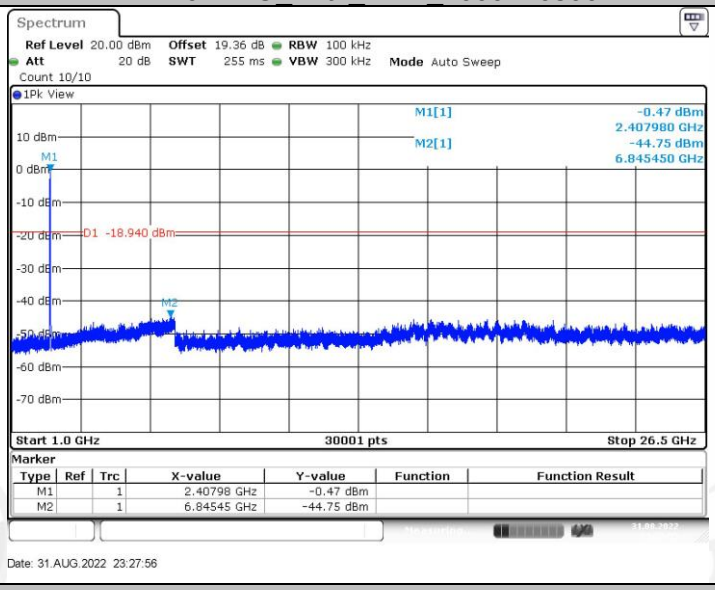


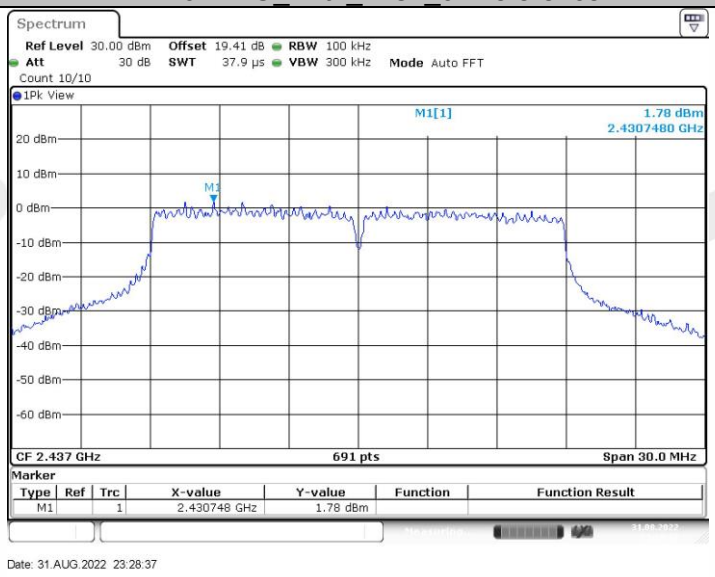
11N20MIMO_Ant2_2412_30~1000



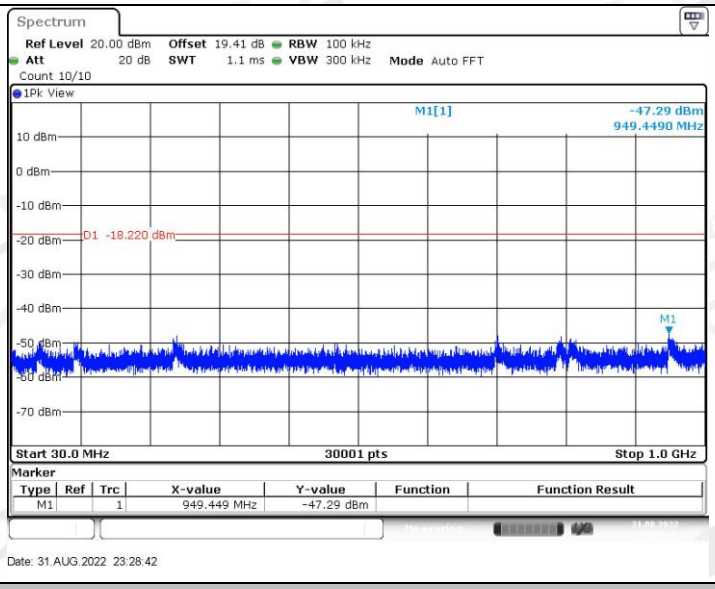
11N20MIMO_Ant2_2412_1000~26500



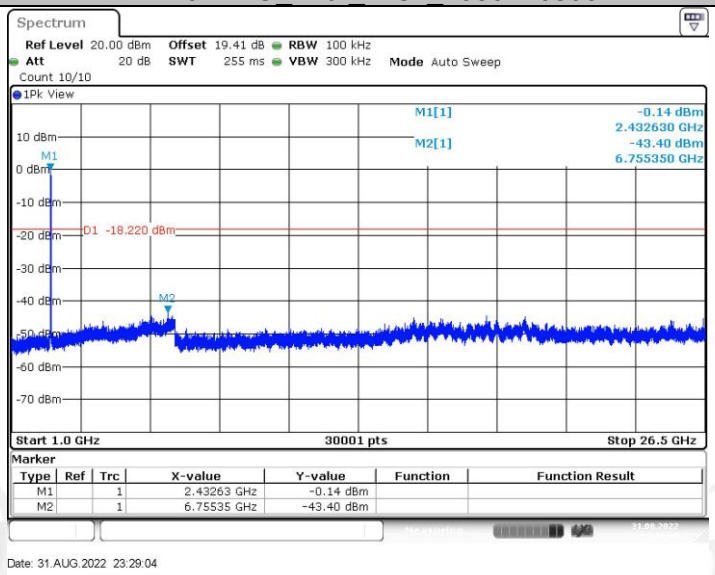
11N20MIMO_Ant1_2437_0~Reference



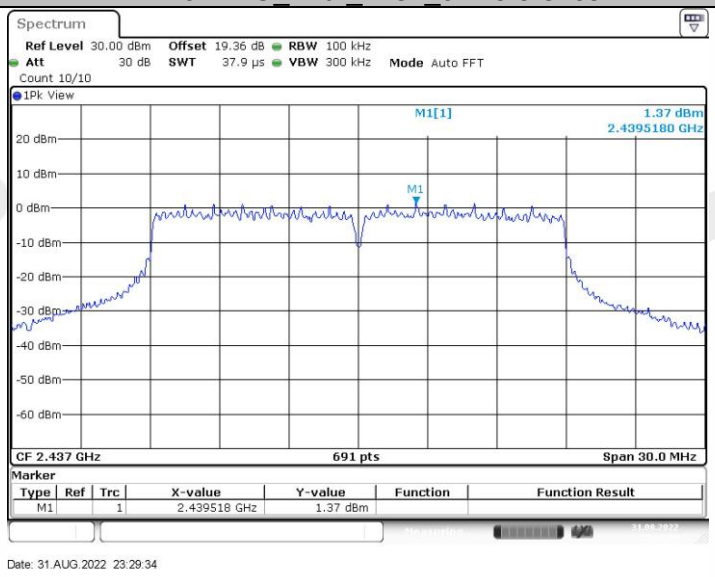
11N20MIMO_Ant1_2437_30~1000



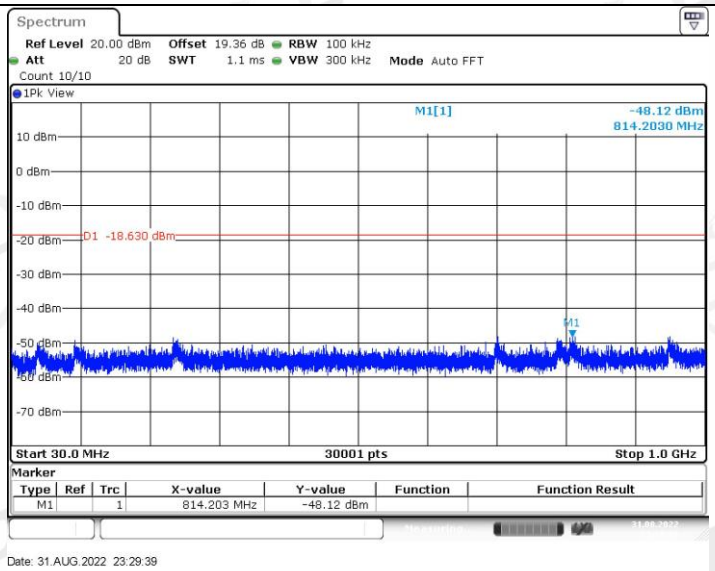
11N20MIMO_Ant1_2437_1000~26500



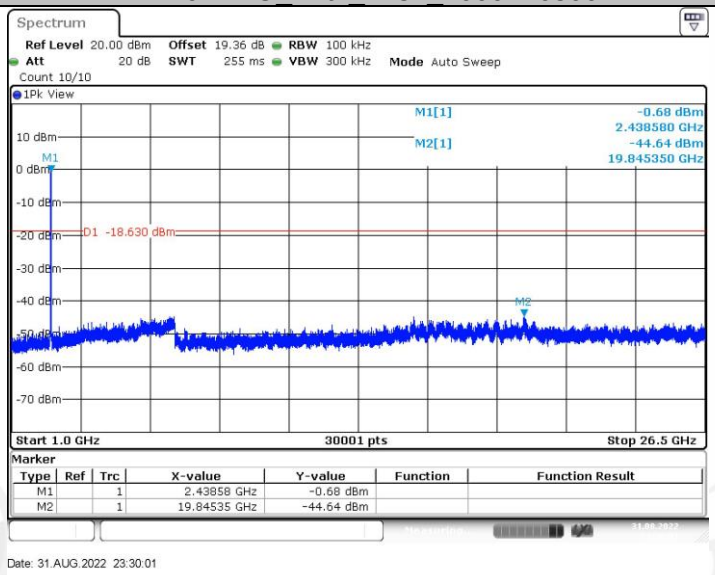
11N20MIMO_Ant2_2437_0~Reference



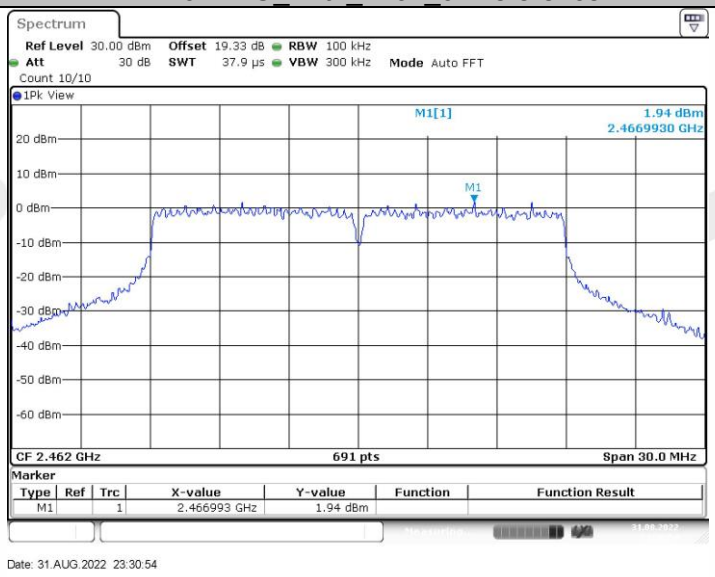
11N20MIMO_Ant2_2437_30~1000



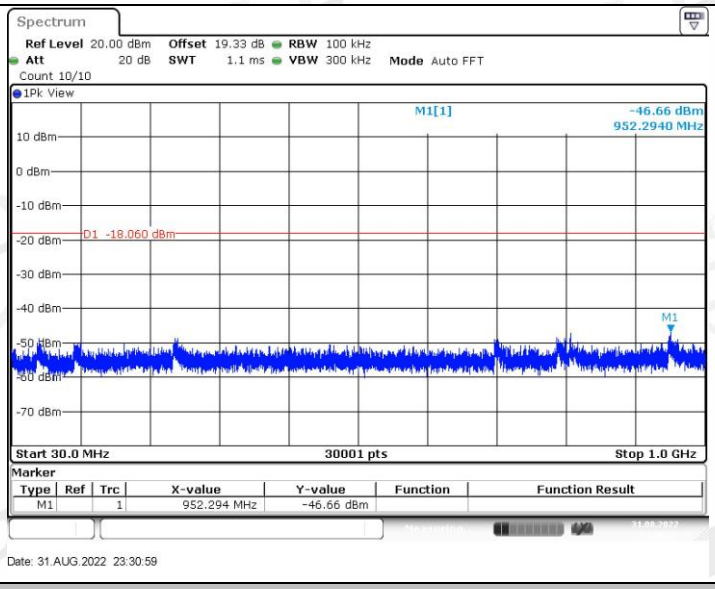
11N20MIMO_Ant2_2437_1000~26500



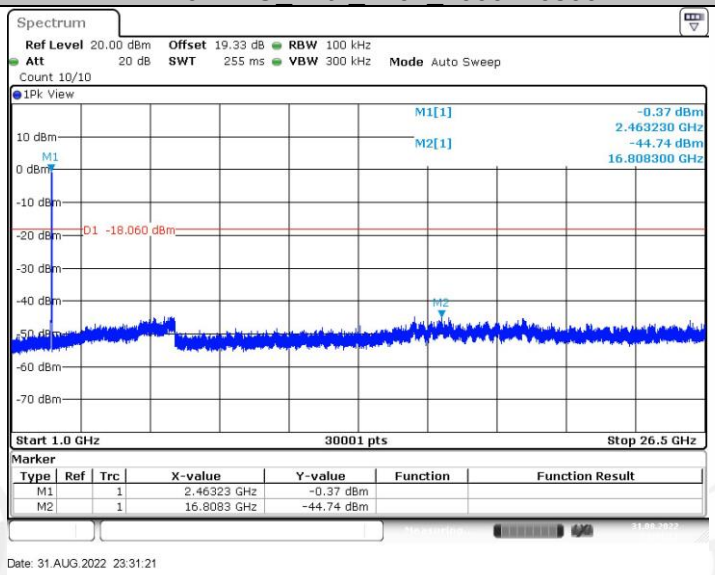
11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



11N20MIMO_Ant1_2462_1000~26500



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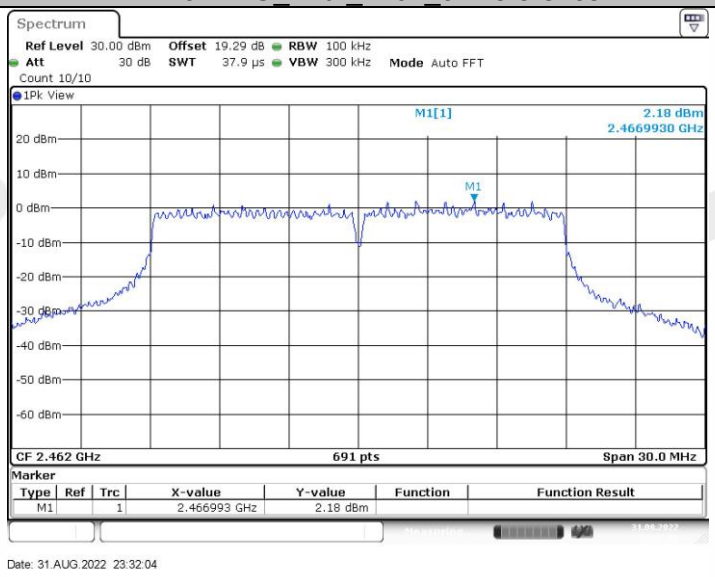
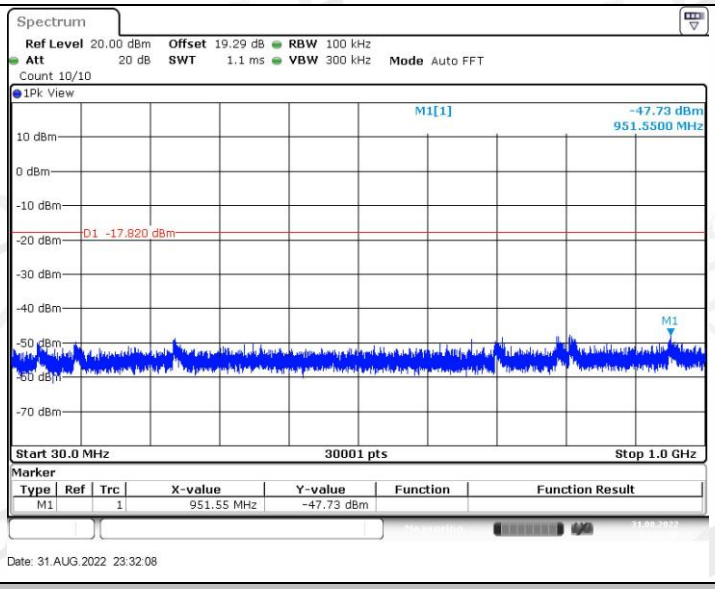
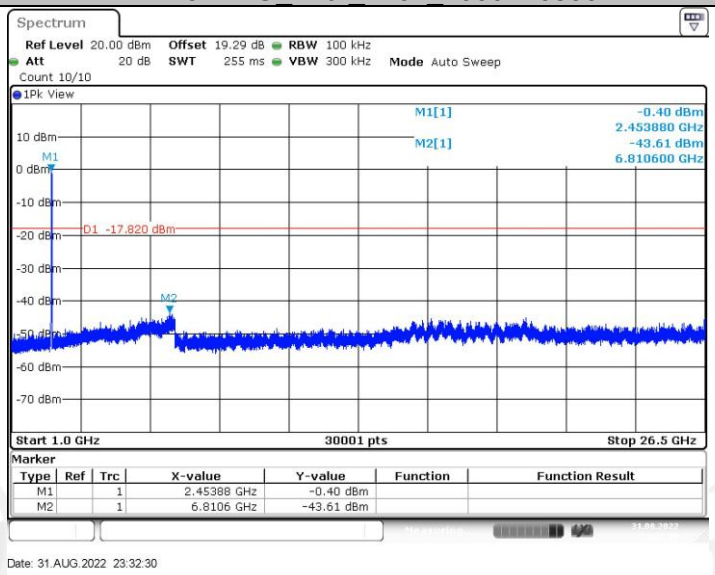


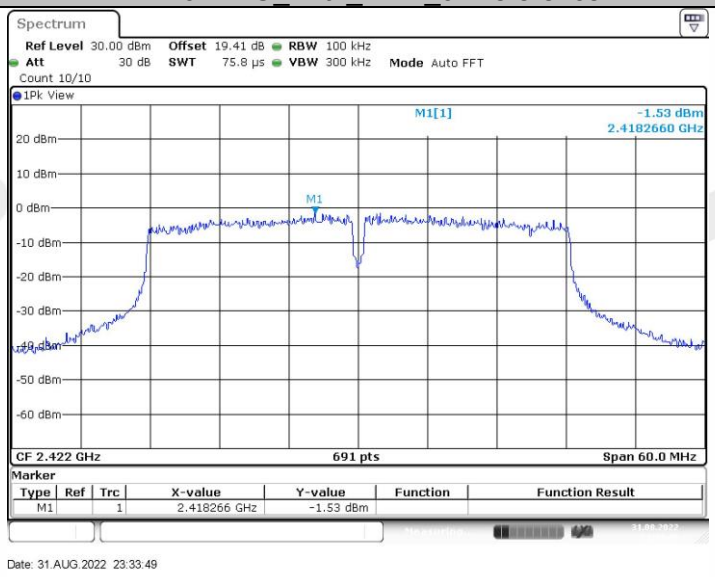
11N20MIMO_Ant2_2462_30~1000



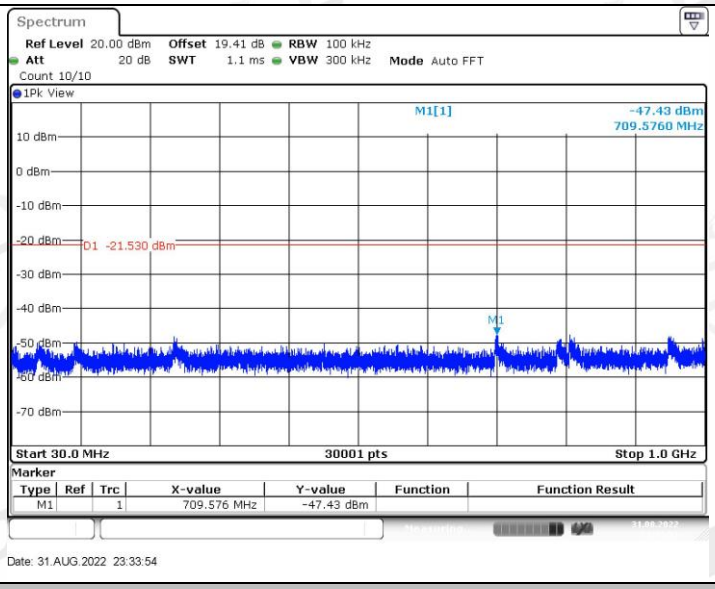
11N20MIMO_Ant2_2462_1000~26500



11N40MIMO_Ant1_2422_0~Reference



11N40MIMO_Ant1_2422_30~1000



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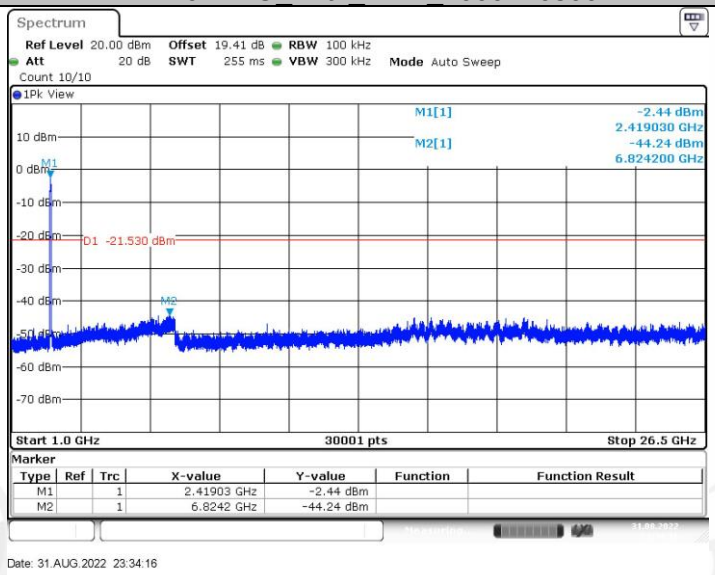
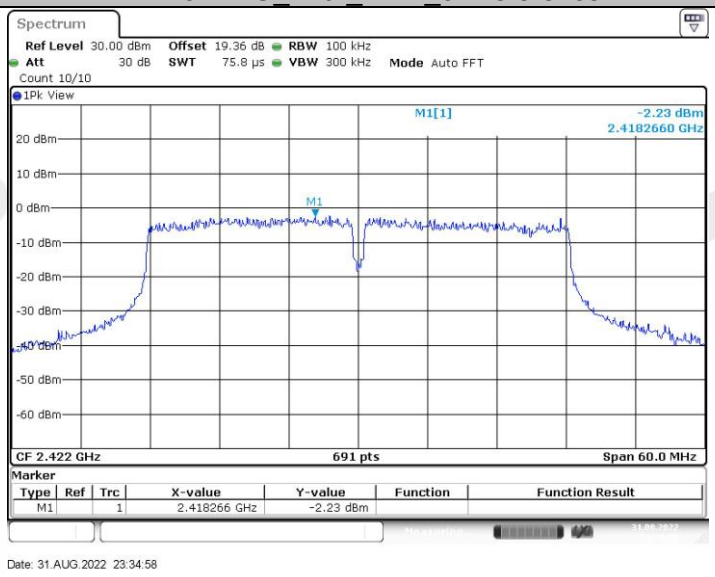


11N40MIMO_Ant2_2422_0~Reference



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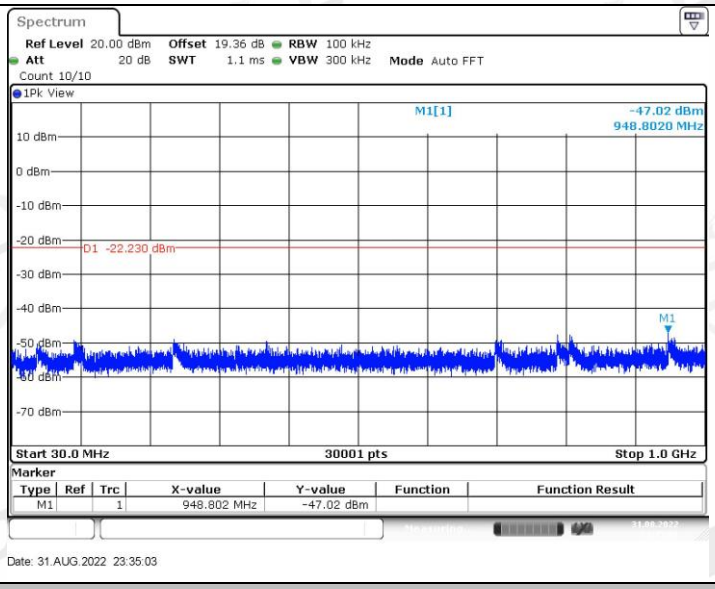
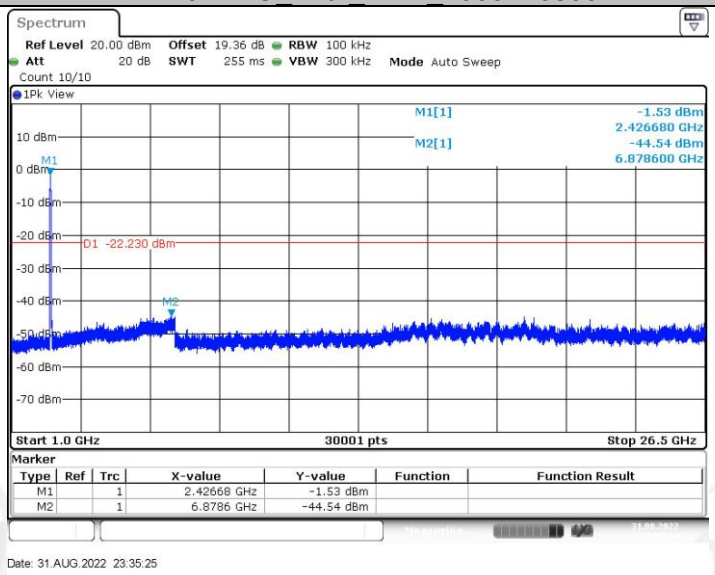
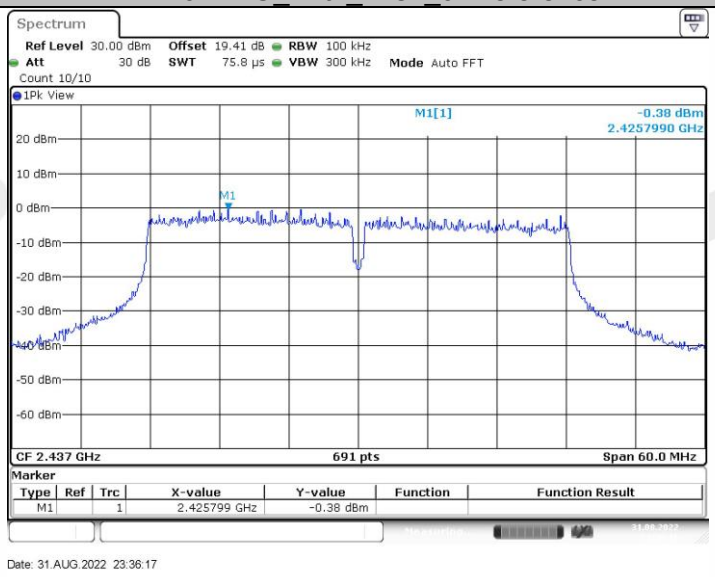


11N40MIMO_Ant2_2422_1000~26500



11N40MIMO_Ant1_2437_0~Reference



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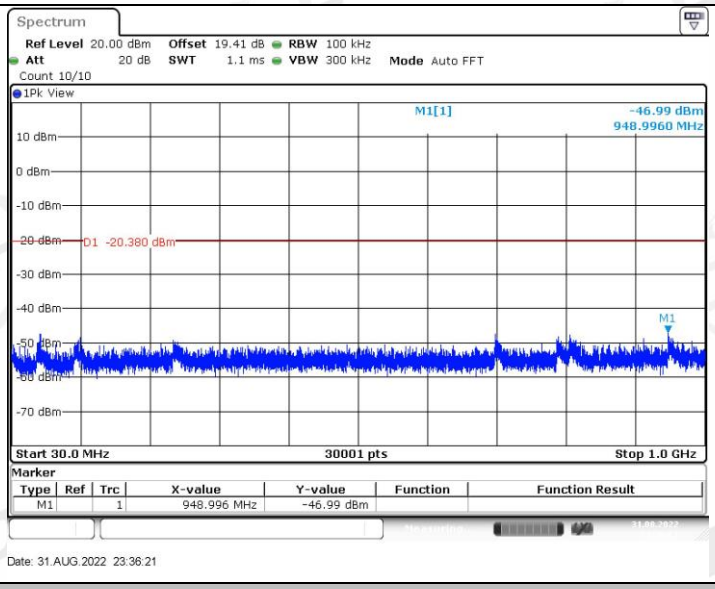

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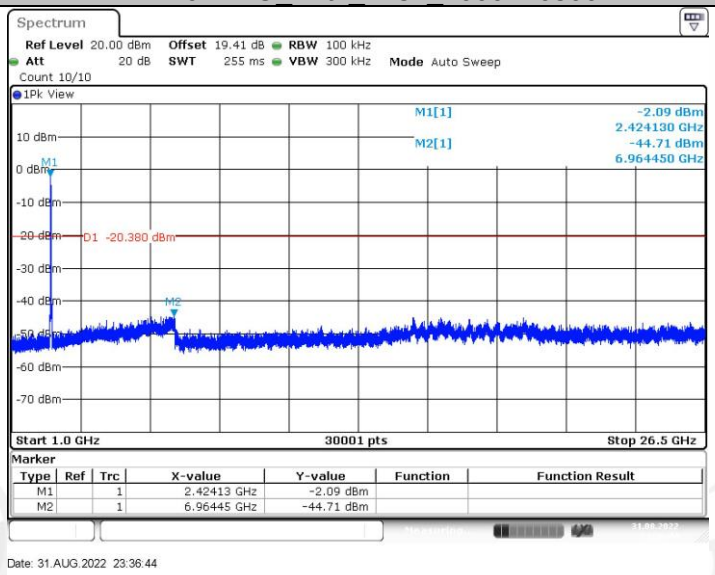

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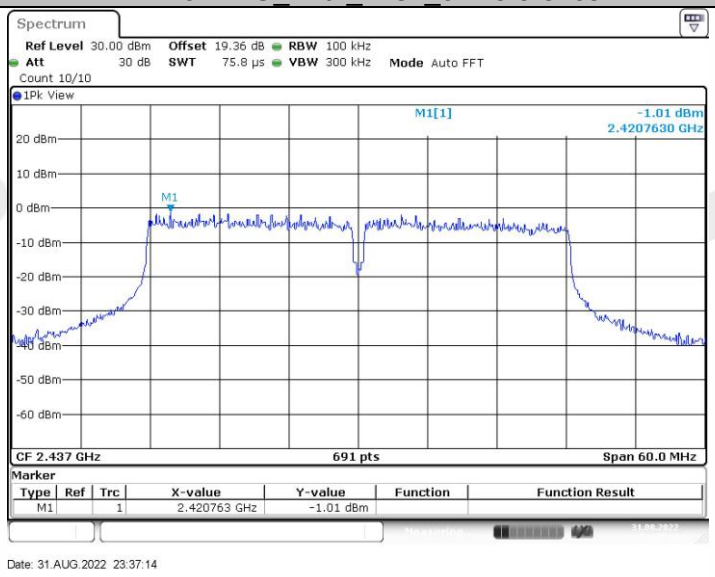
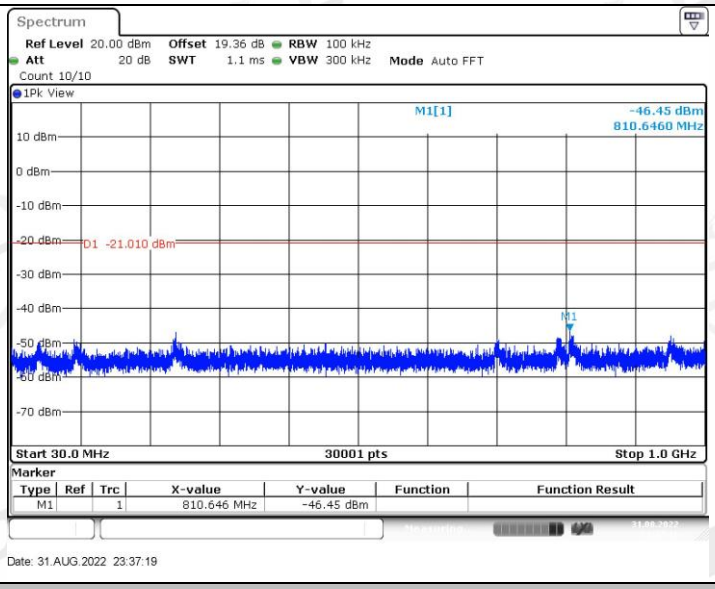
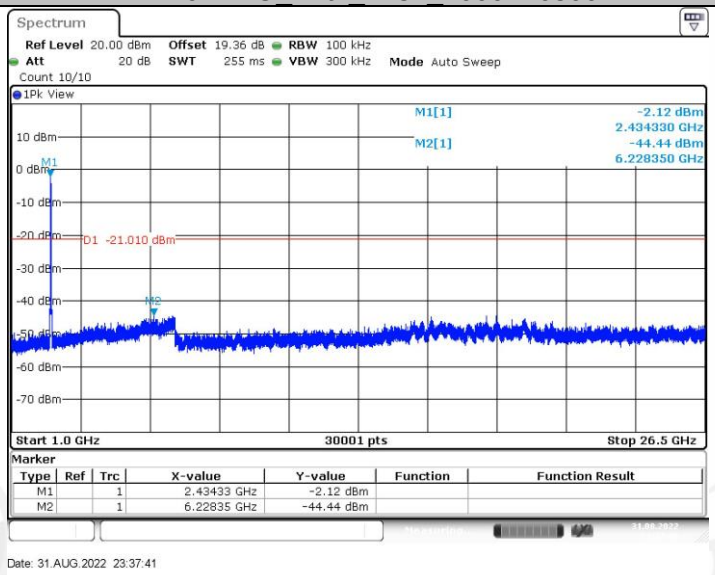


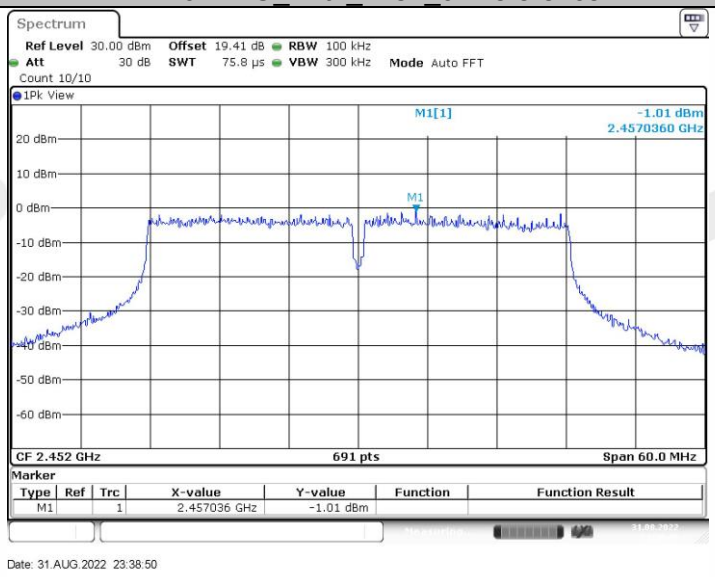
11N40MIMO_Ant2_2437_30~1000



11N40MIMO_Ant2_2437_1000~26500



11N40MIMO_Ant1_2452_0~Reference



11N40MIMO_Ant1_2452_30~1000