

Appendix B

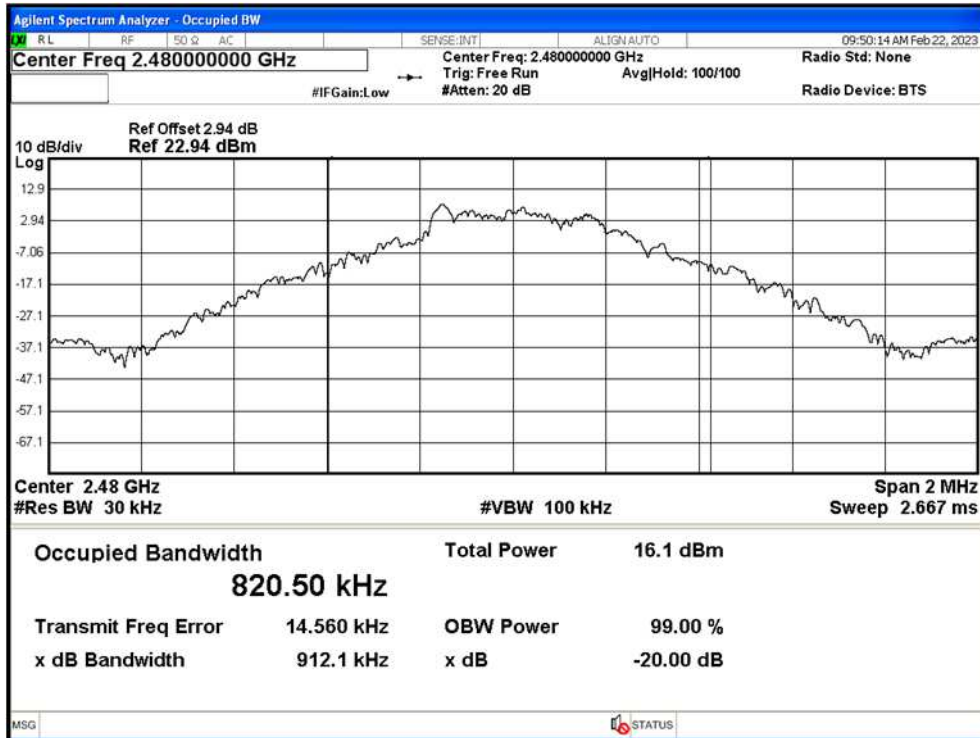
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Appendix B.1: Test Plots of 99% Bandwidth

BDR Mode, DH1

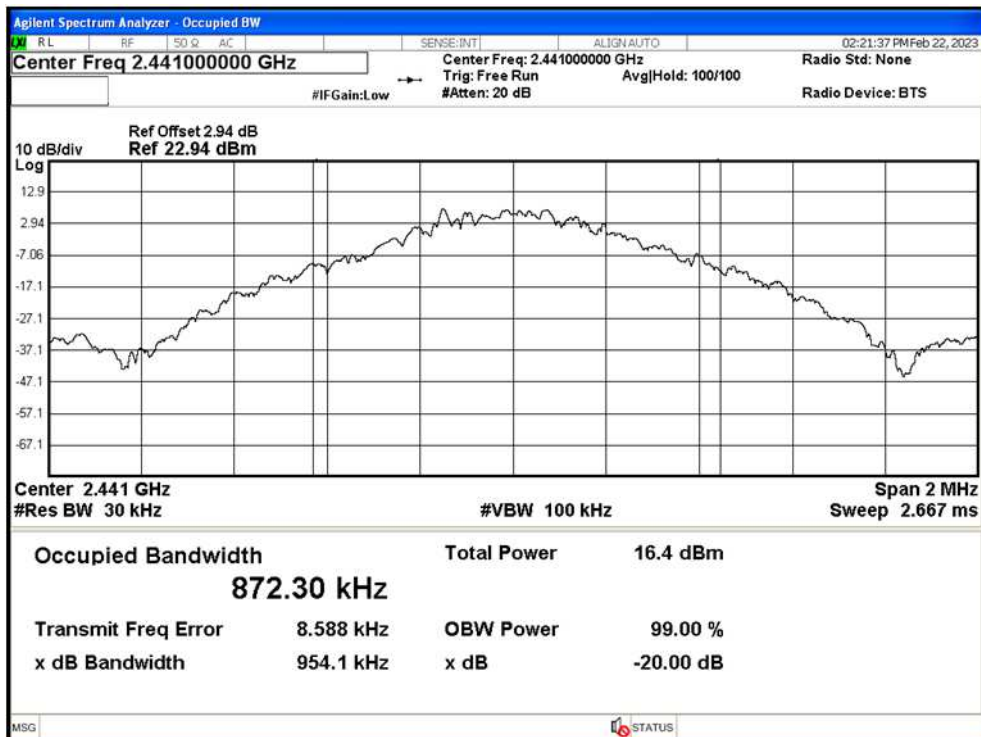
RBW=30kHz, VBW=100kHz

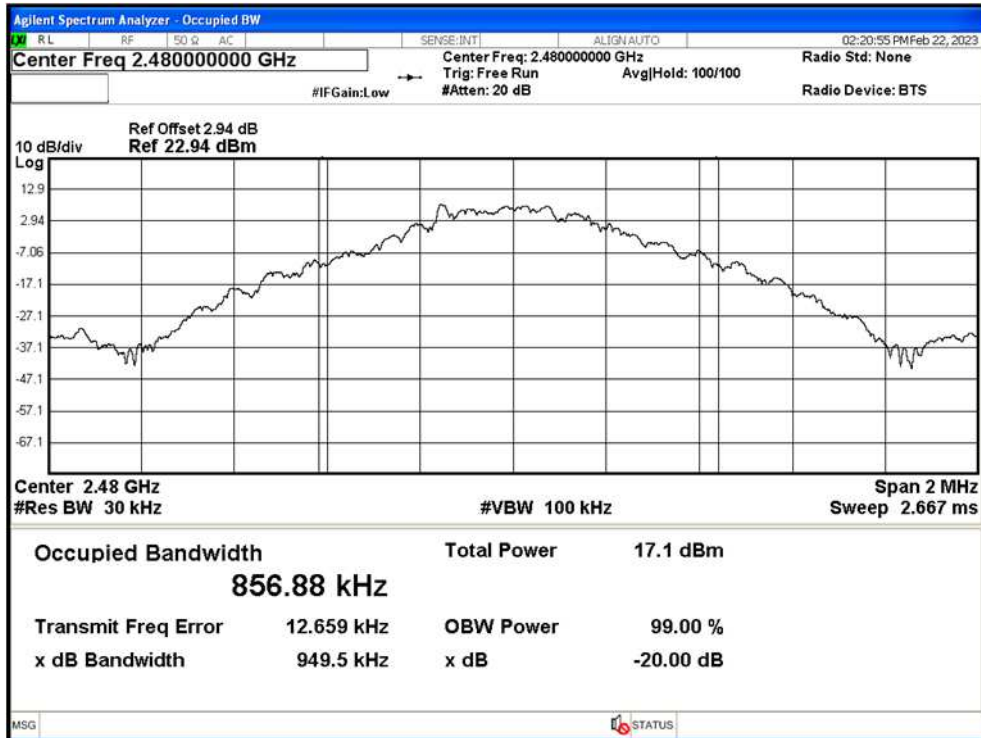




BDR Mode, DH5

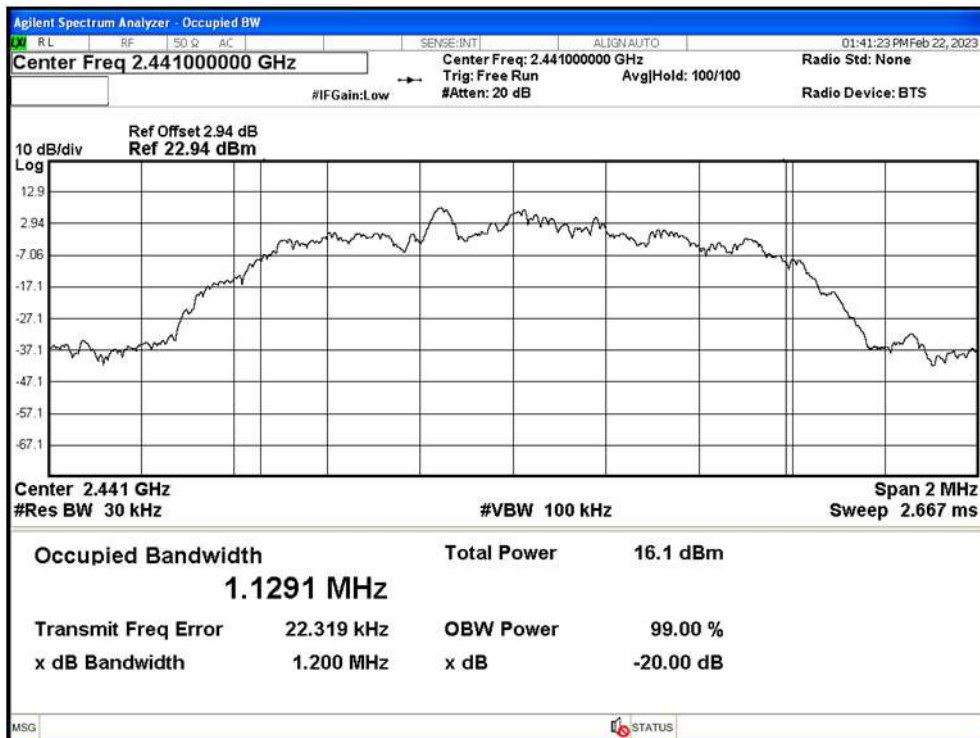
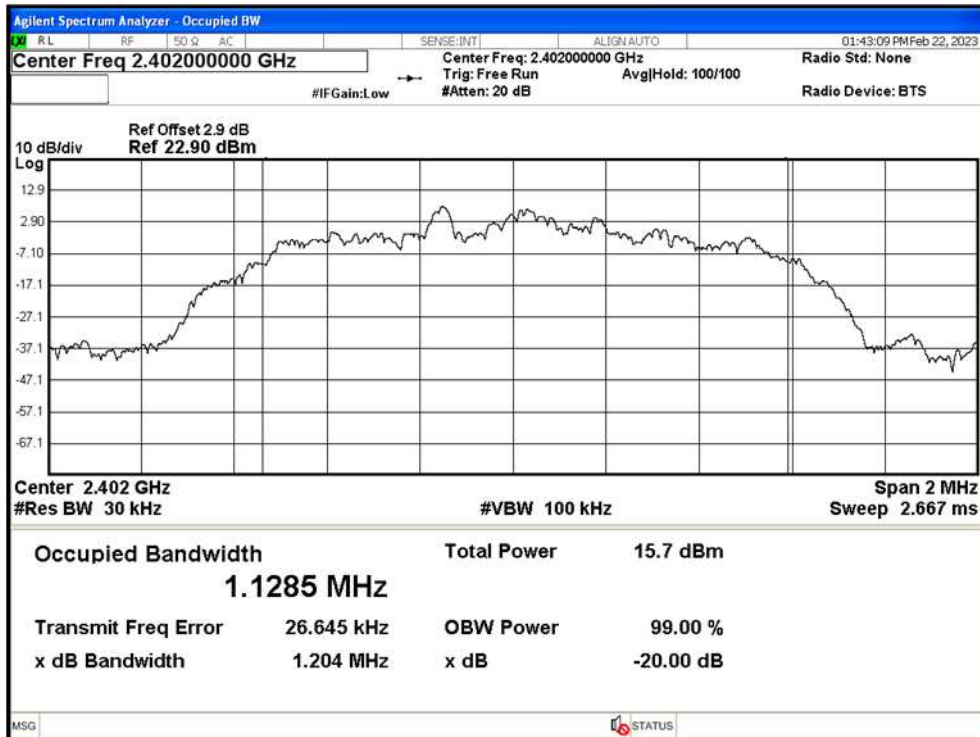
RBW=30kHz VBW=100kHz

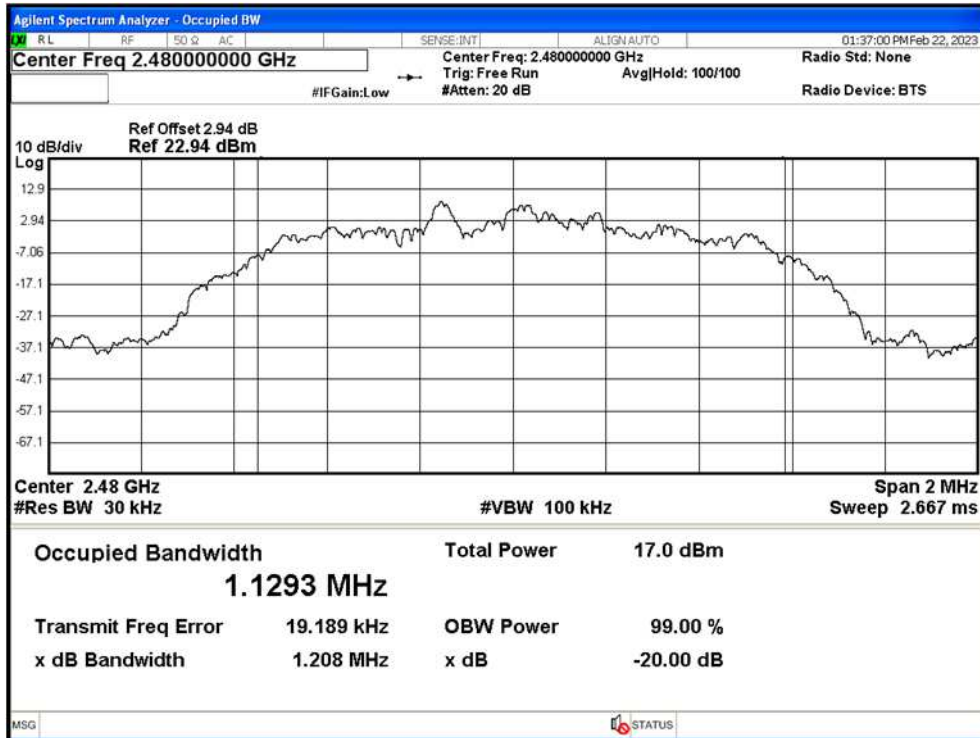




EDR Mode, 3DH1

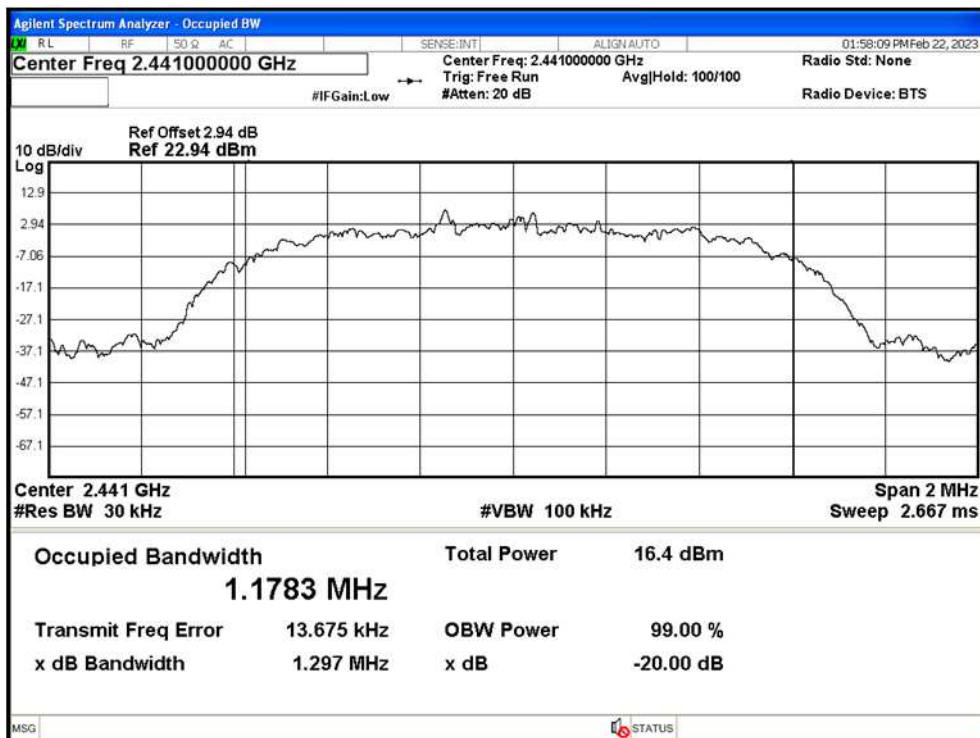
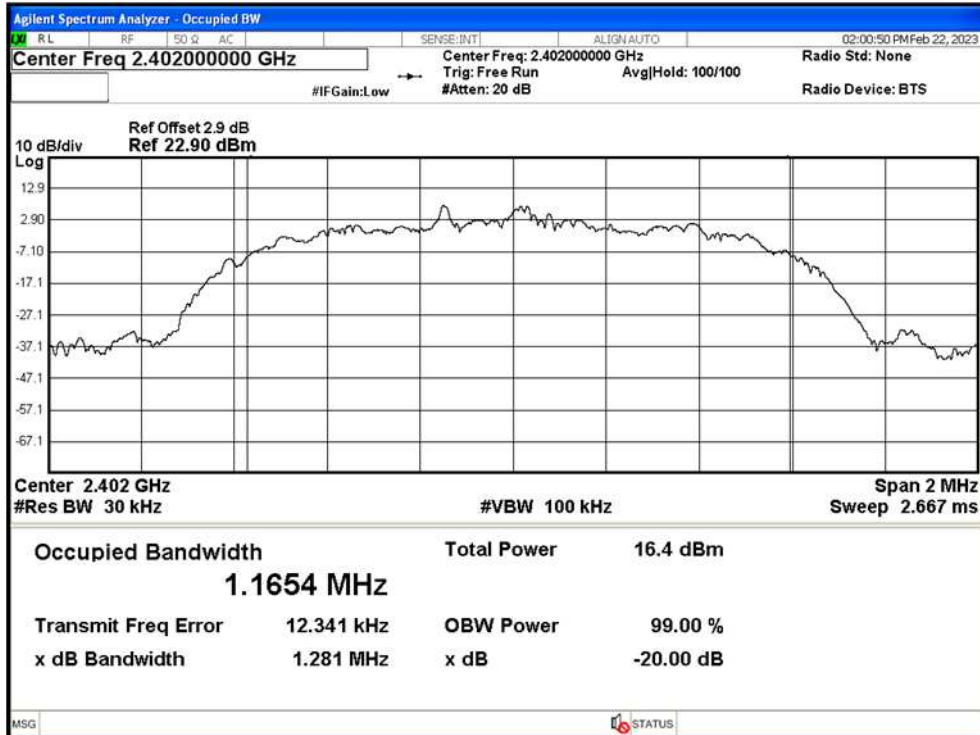
RBW=30kHz VBW=100kHz

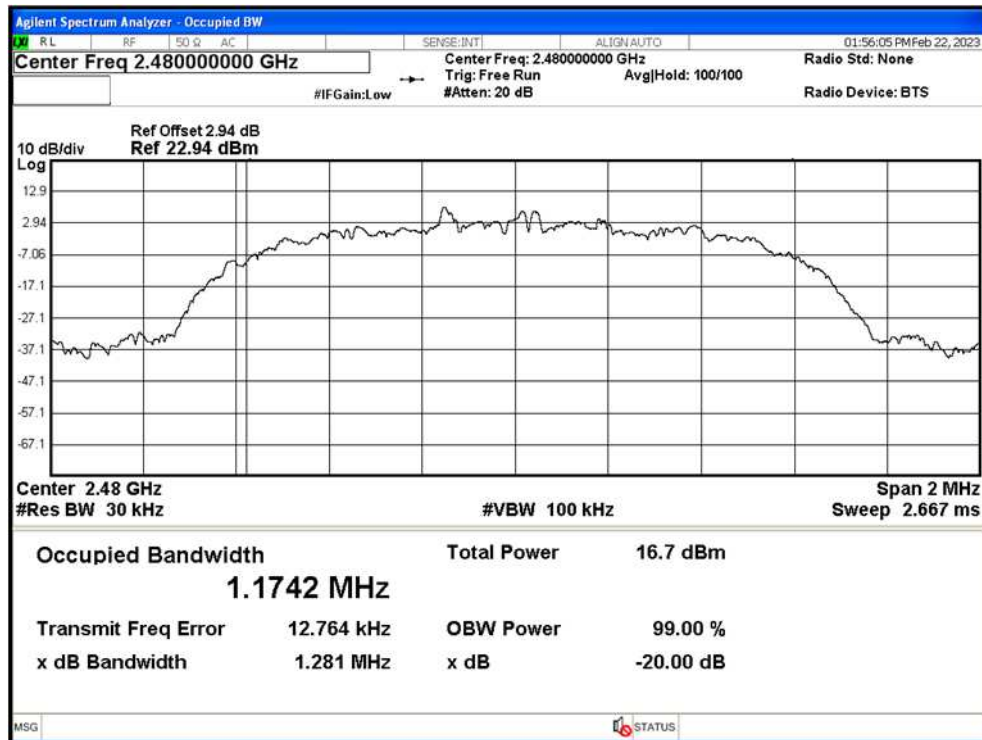




EDR Mode, 3DH5

RBW=30kHz VBW=100kHz

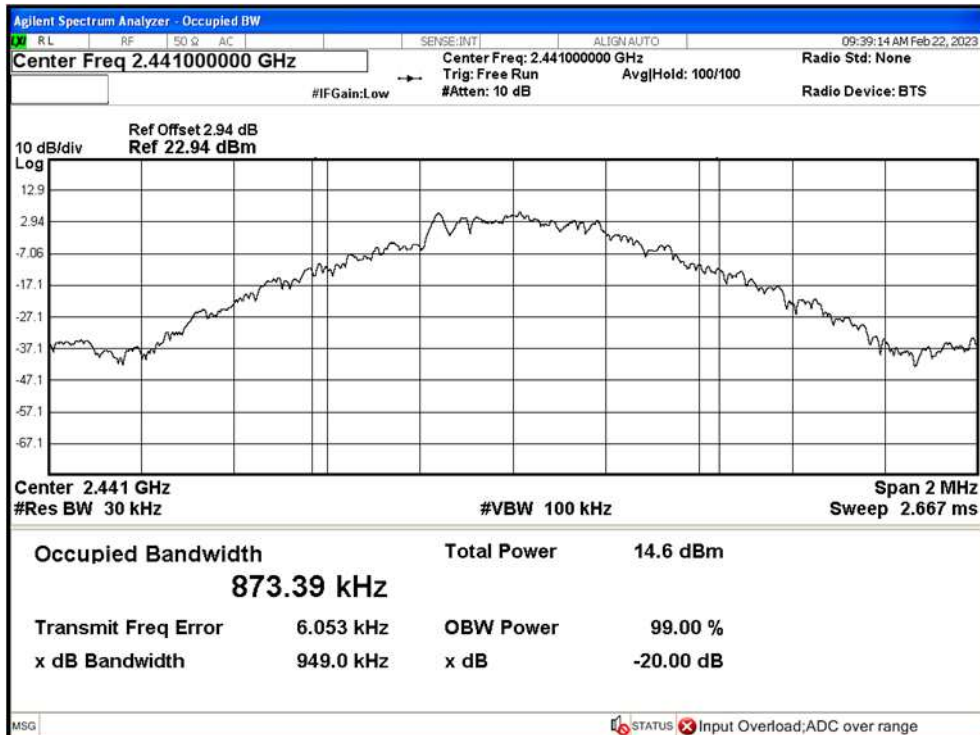


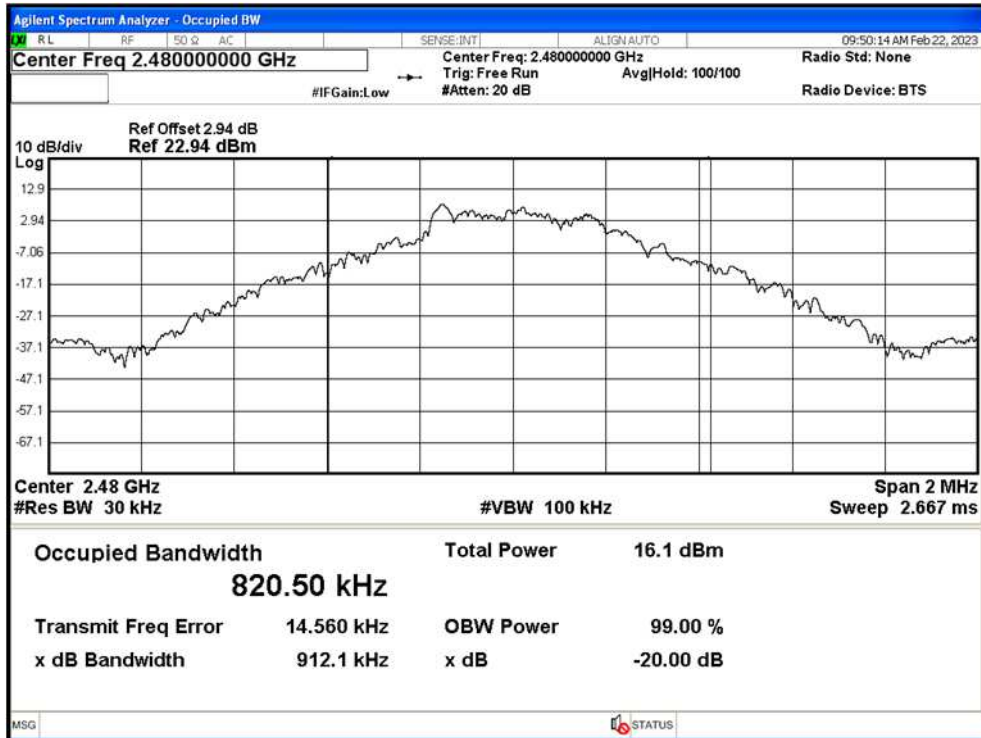


Appendix B.2: Test Plots of 20dB Bandwidth

BDR Mode, DH1

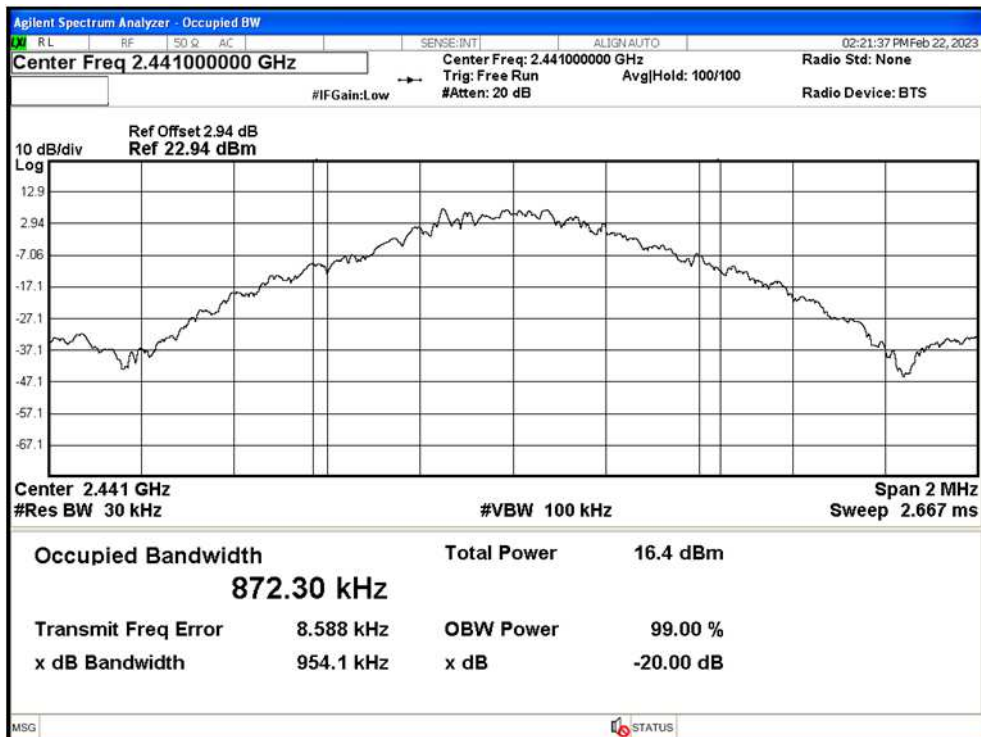
RBW=30kHz VBW=100kHz





BDR Mode, DH5

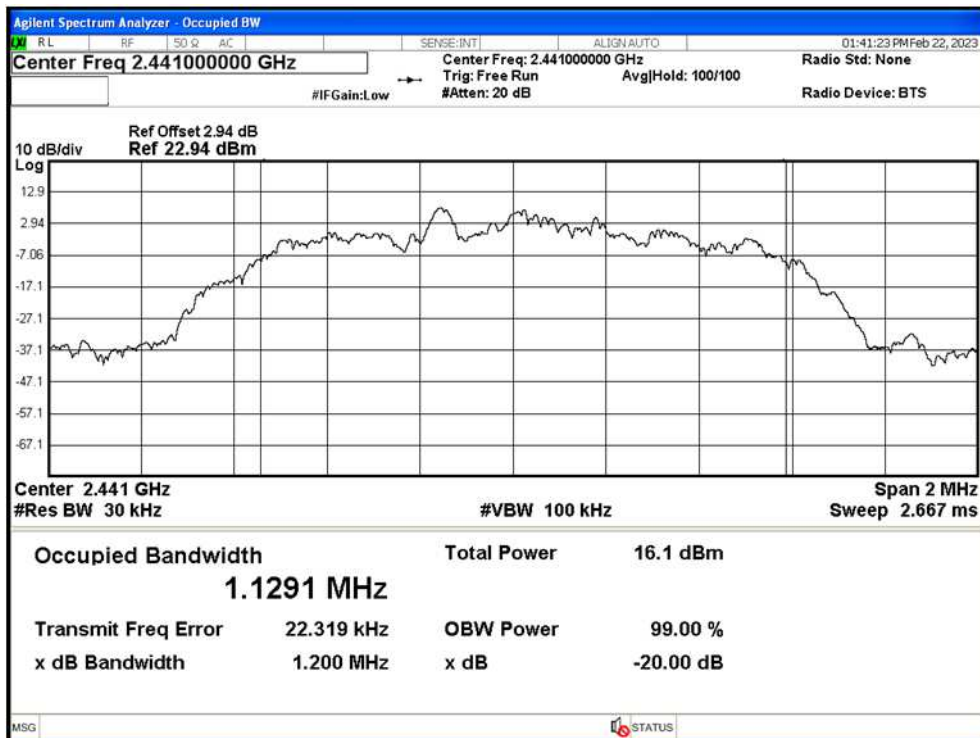
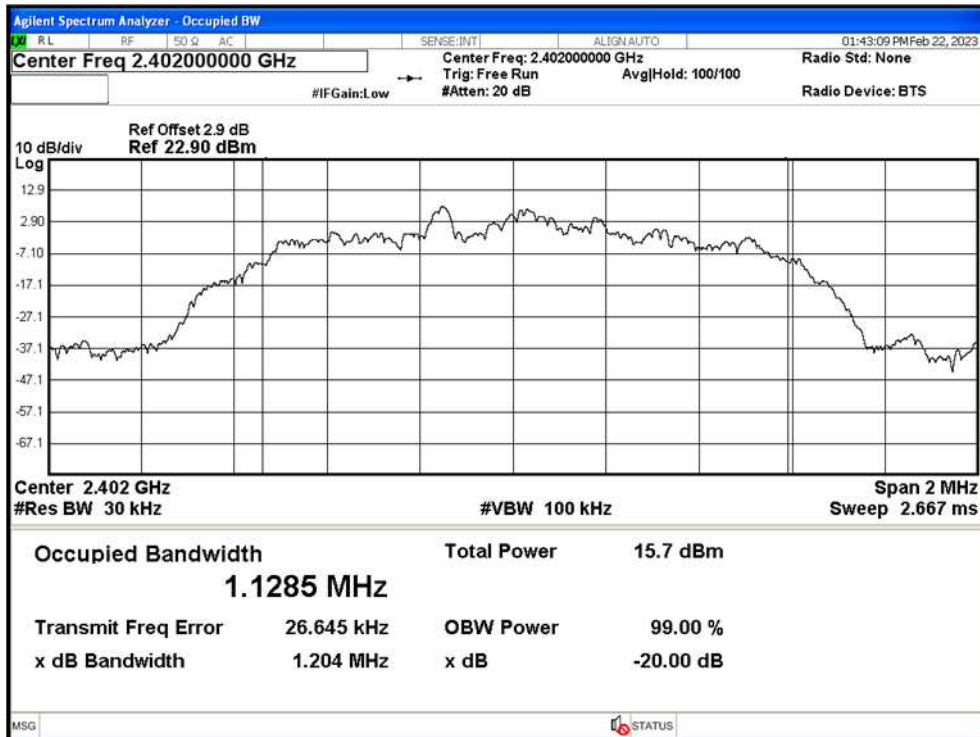
RBW=30kHz VBW=100kHz

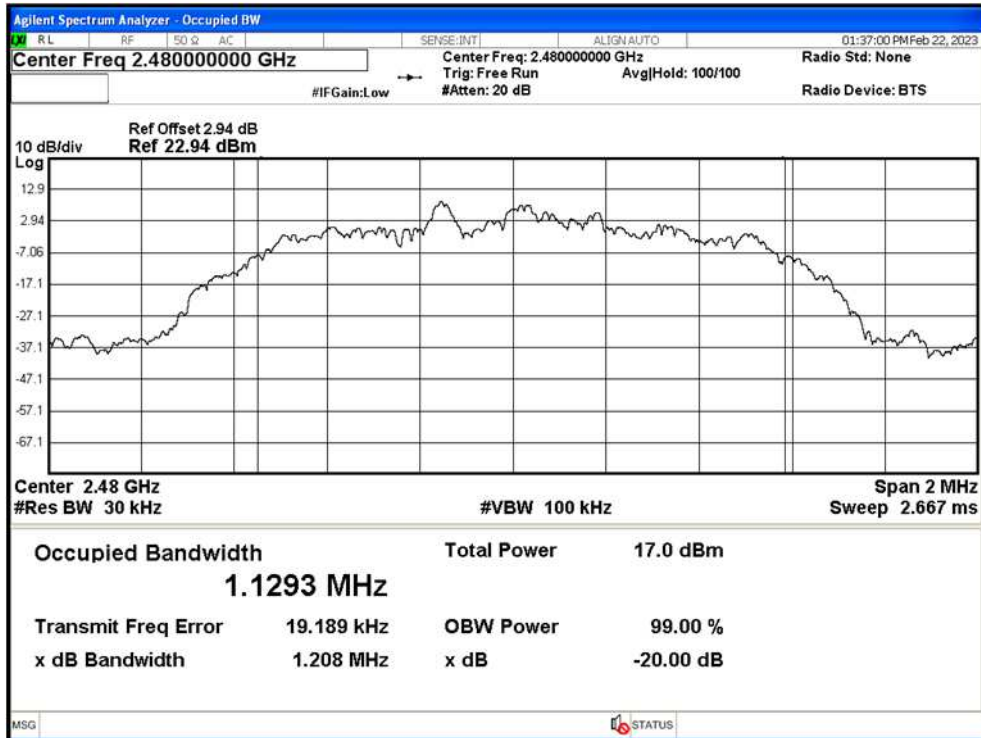




EDR Mode, 3DH1

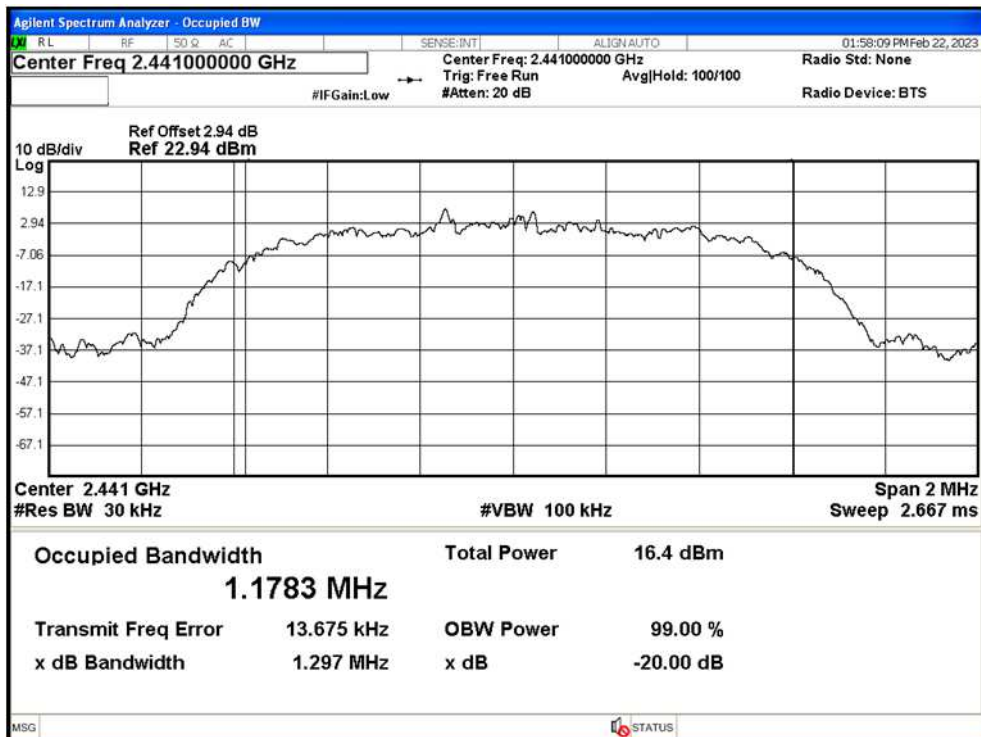
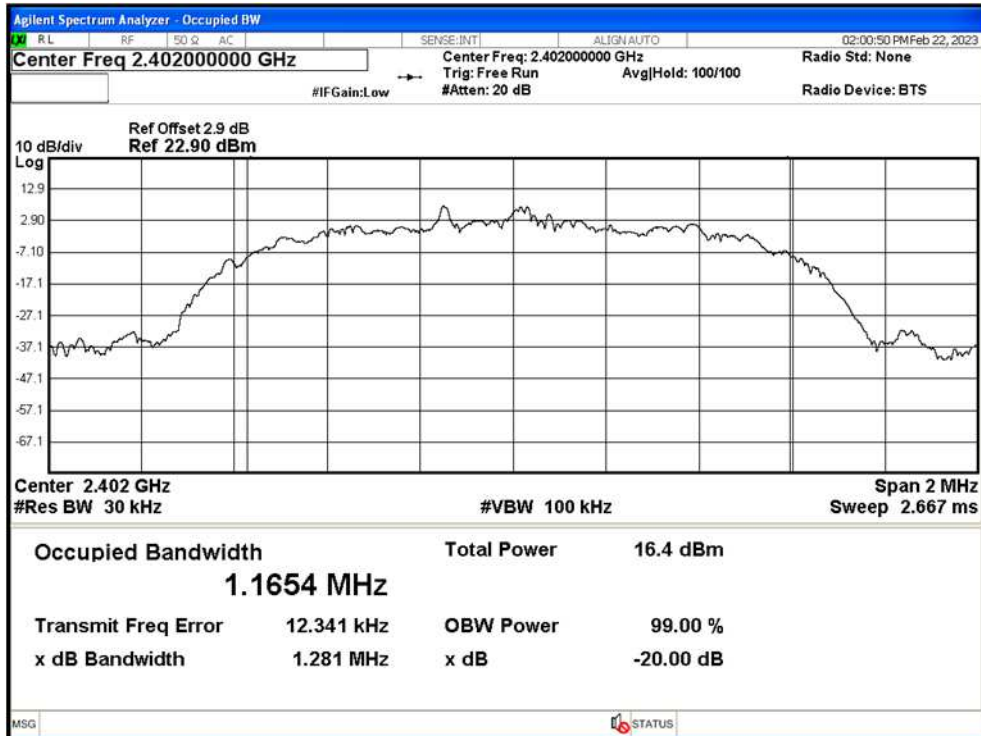
RBW=30kHz VBW=100kHz

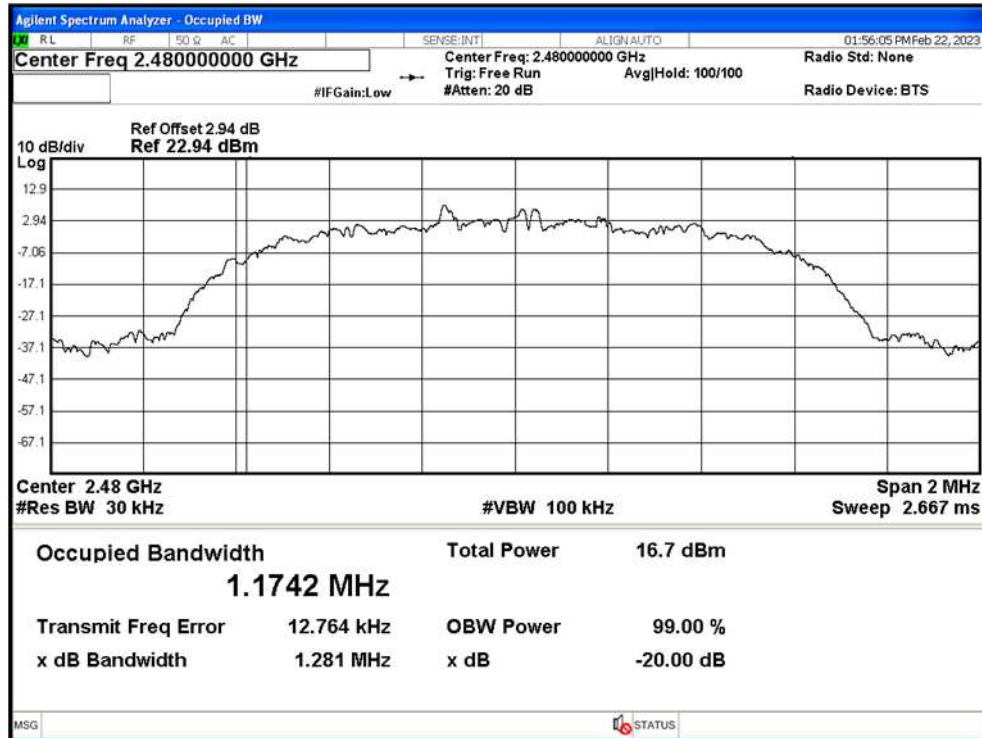




EDR Mode, 3DH5

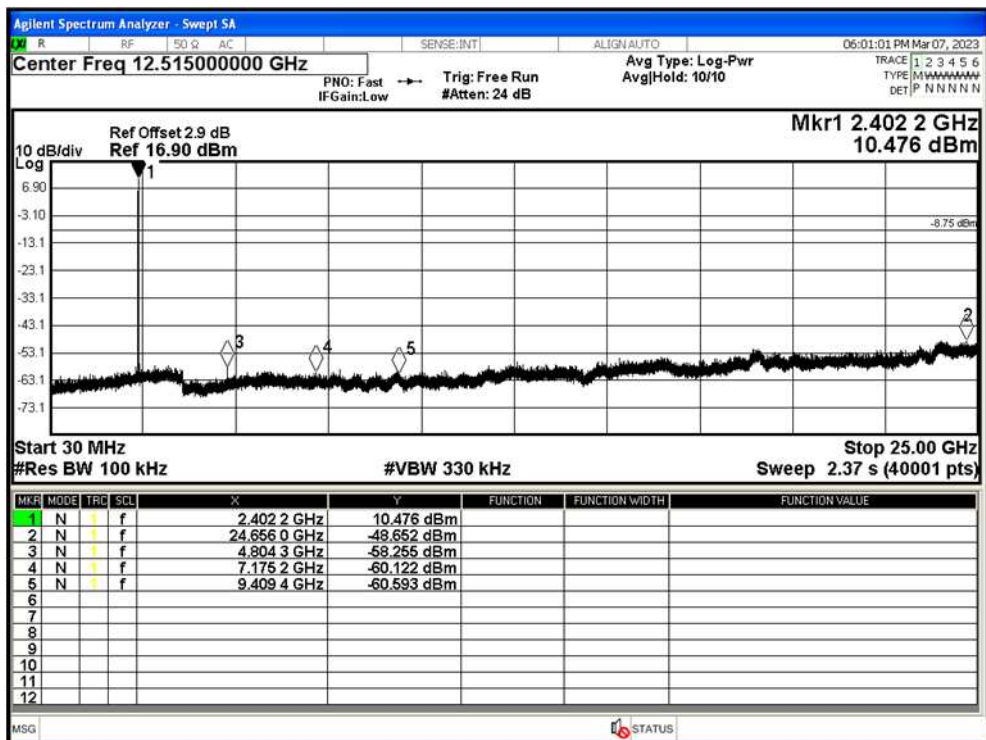
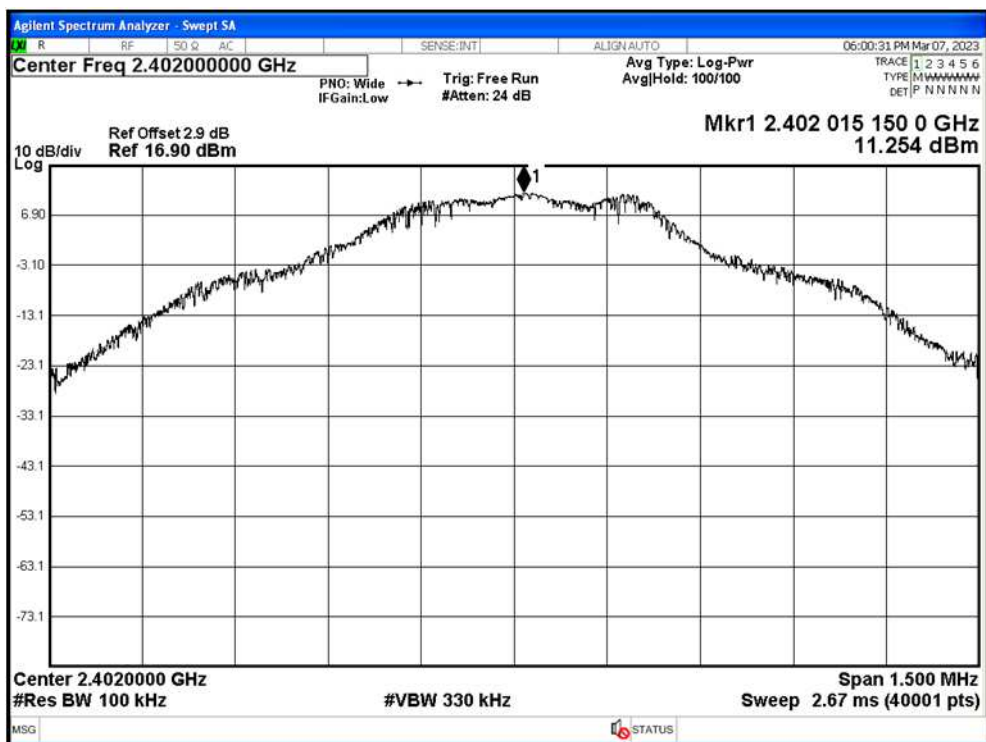
RBW=30kHz VBW=100kHz



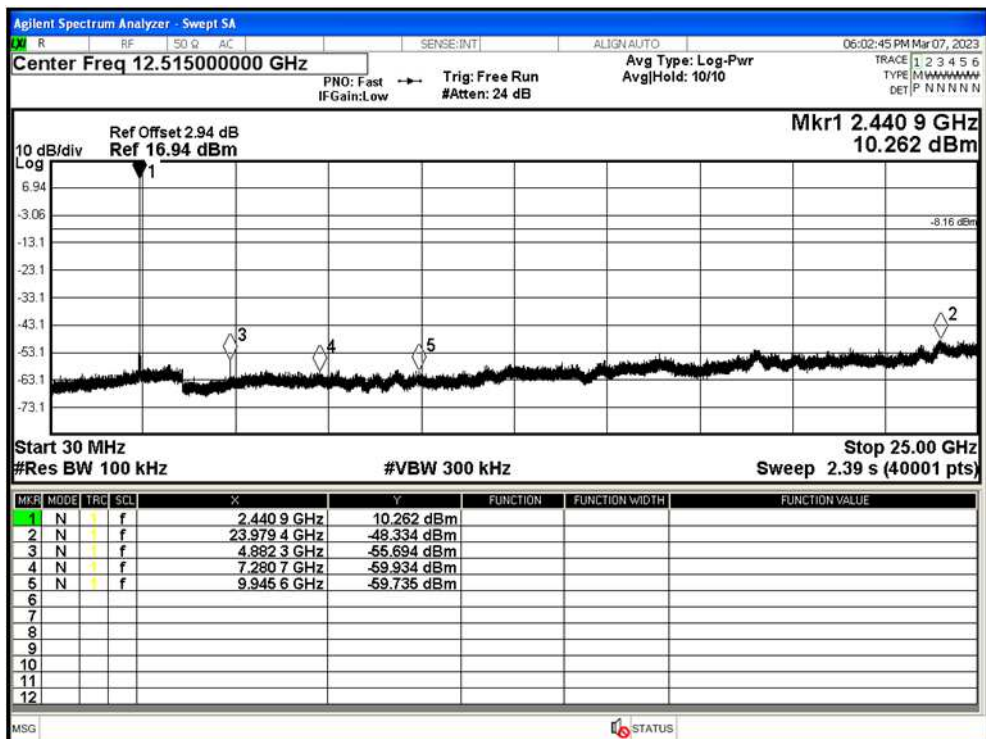
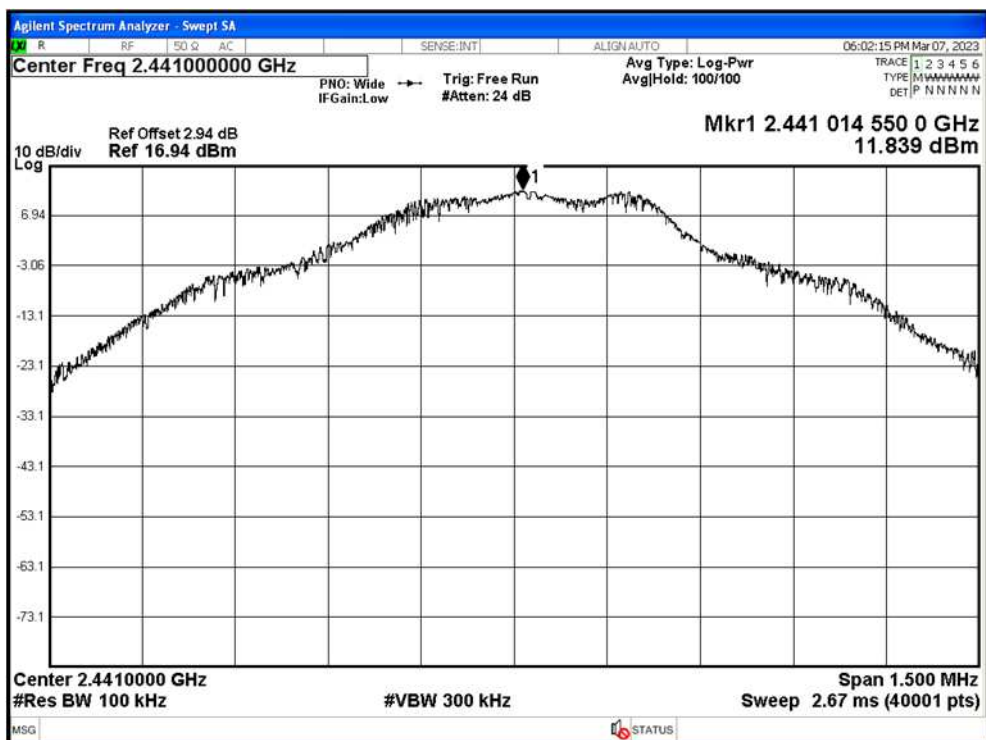


Appendix B.3: Test Plots of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

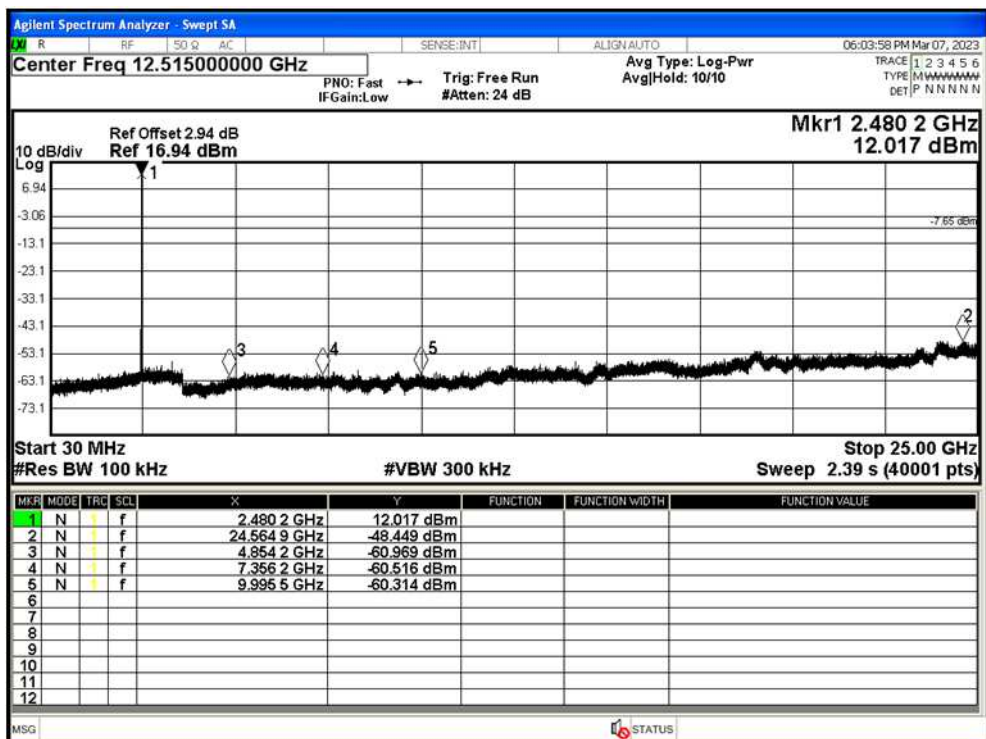
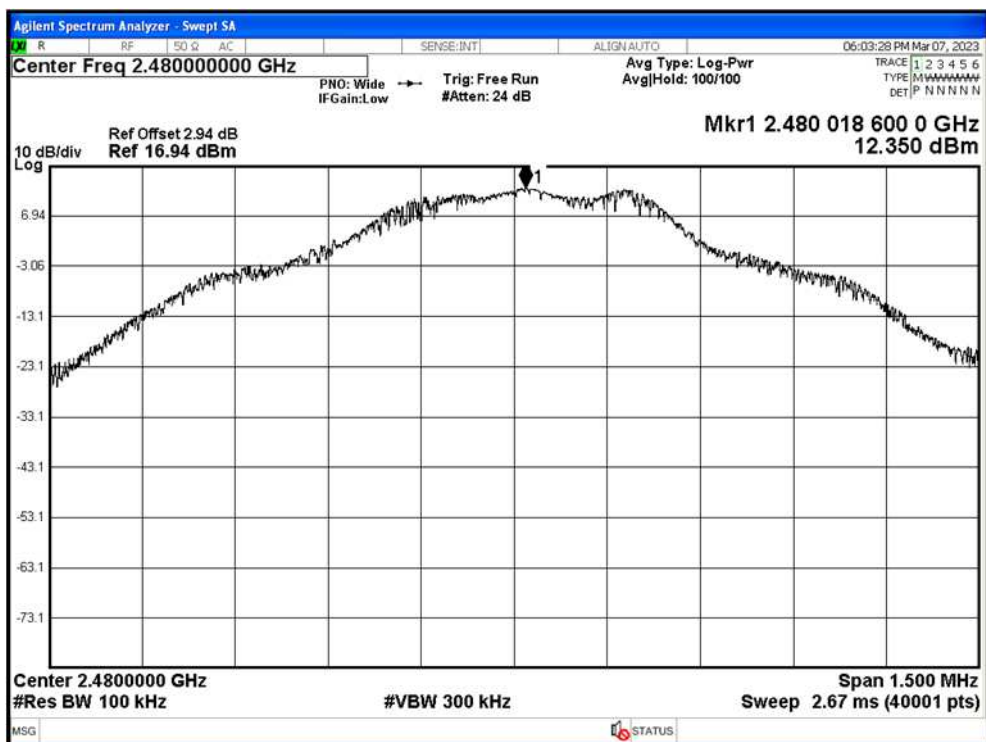
BDR Mode, Low Channel



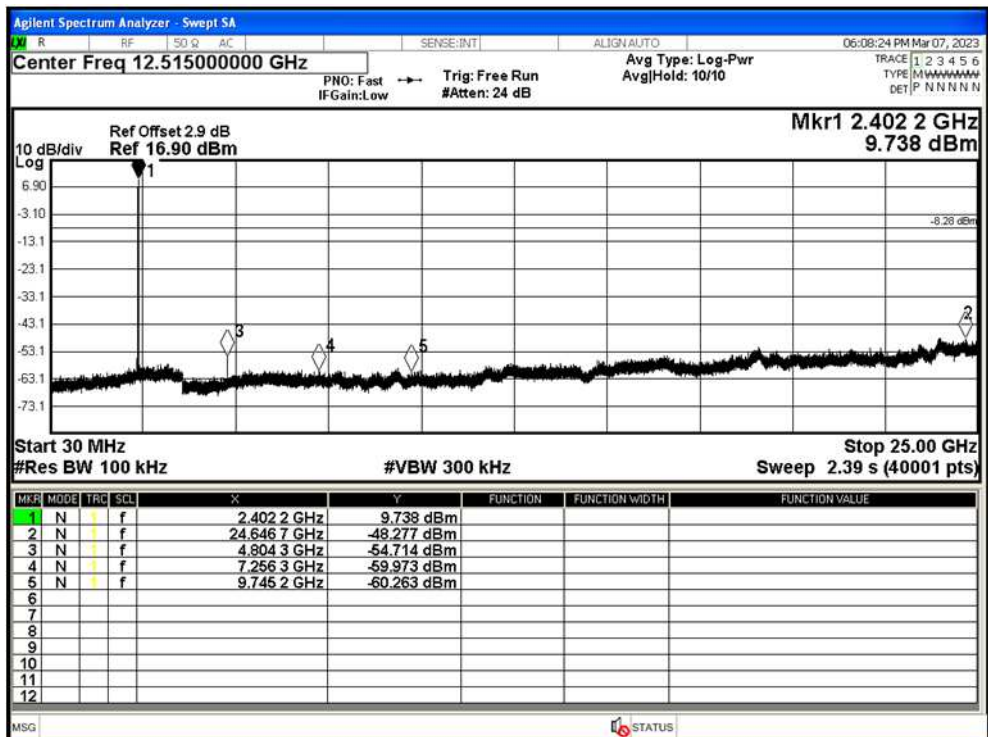
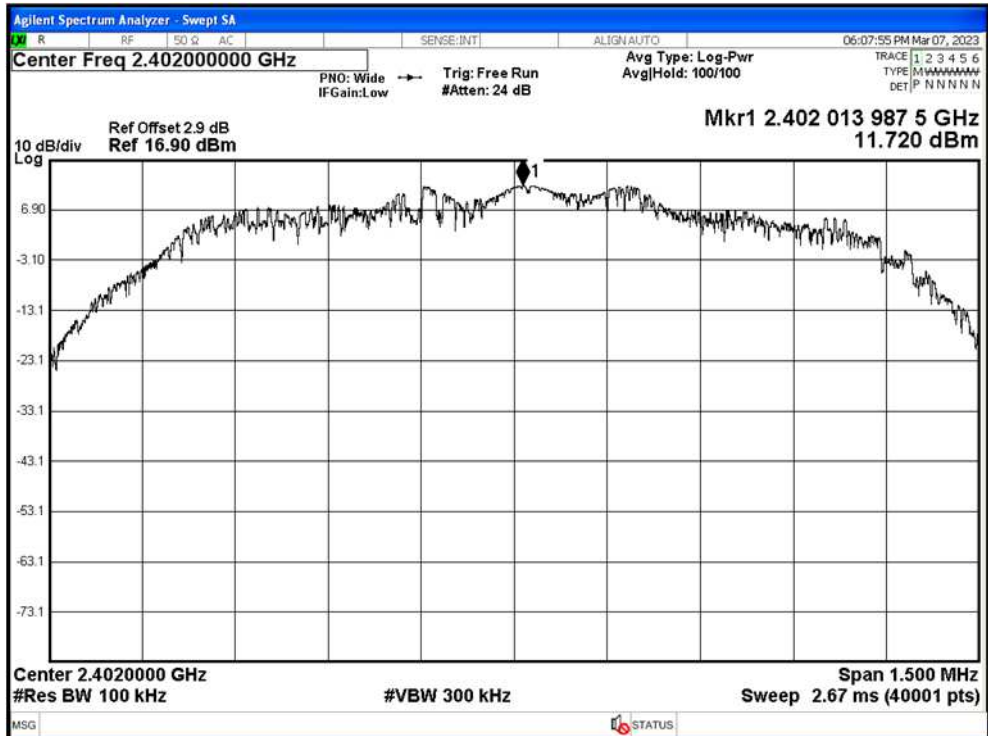
BDR Mode, Middle Channel



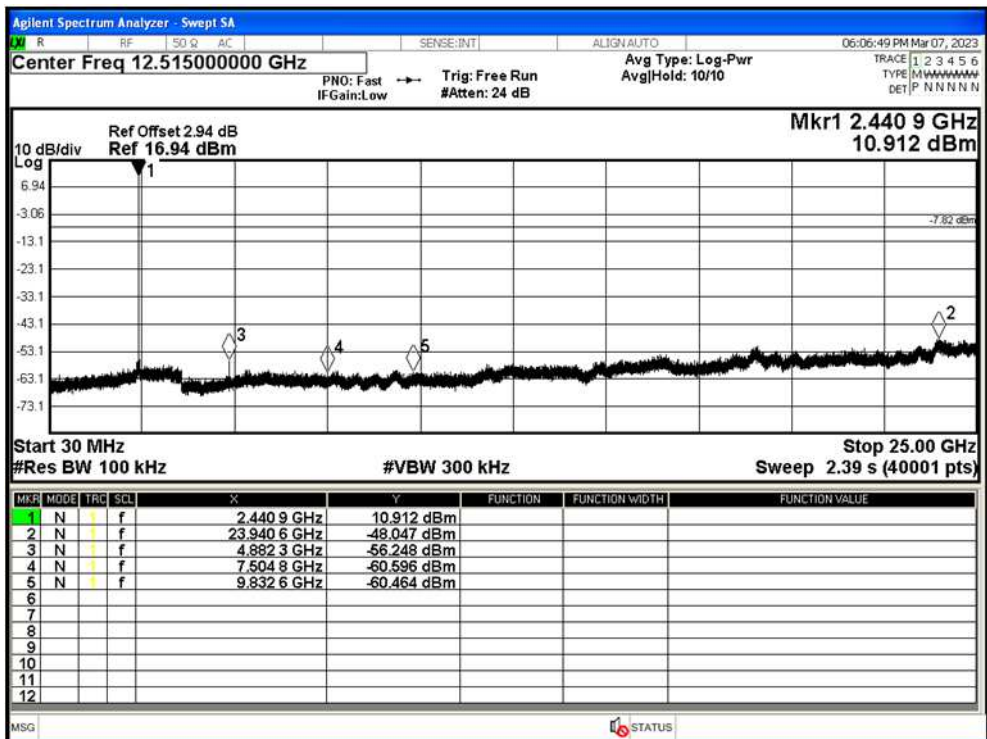
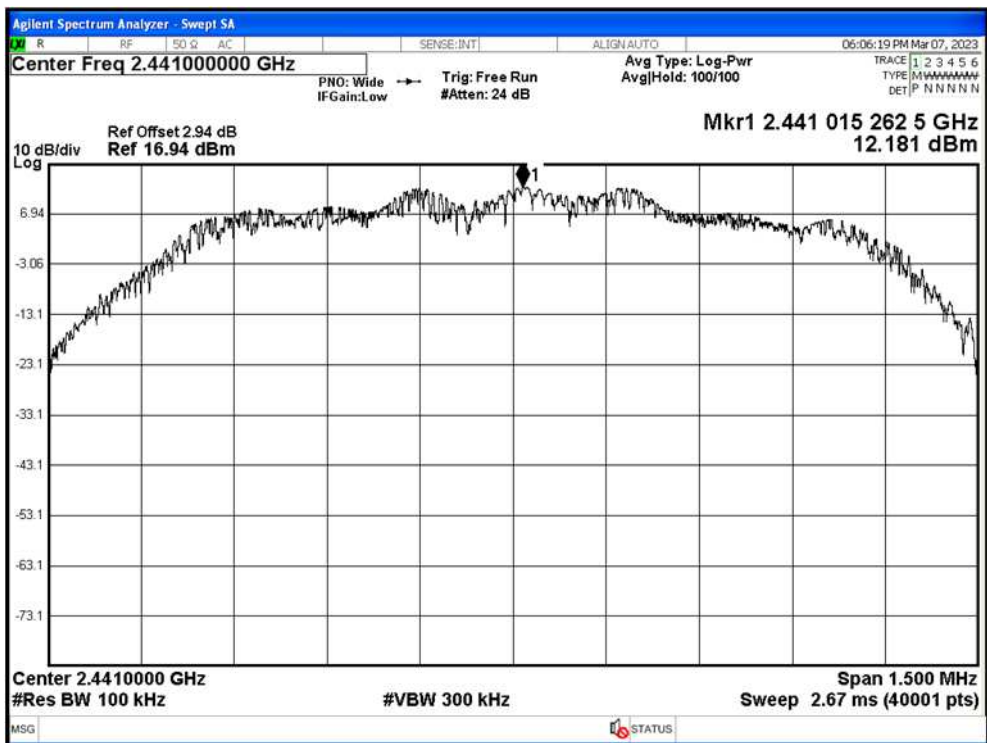
BDR Mode, High Channel



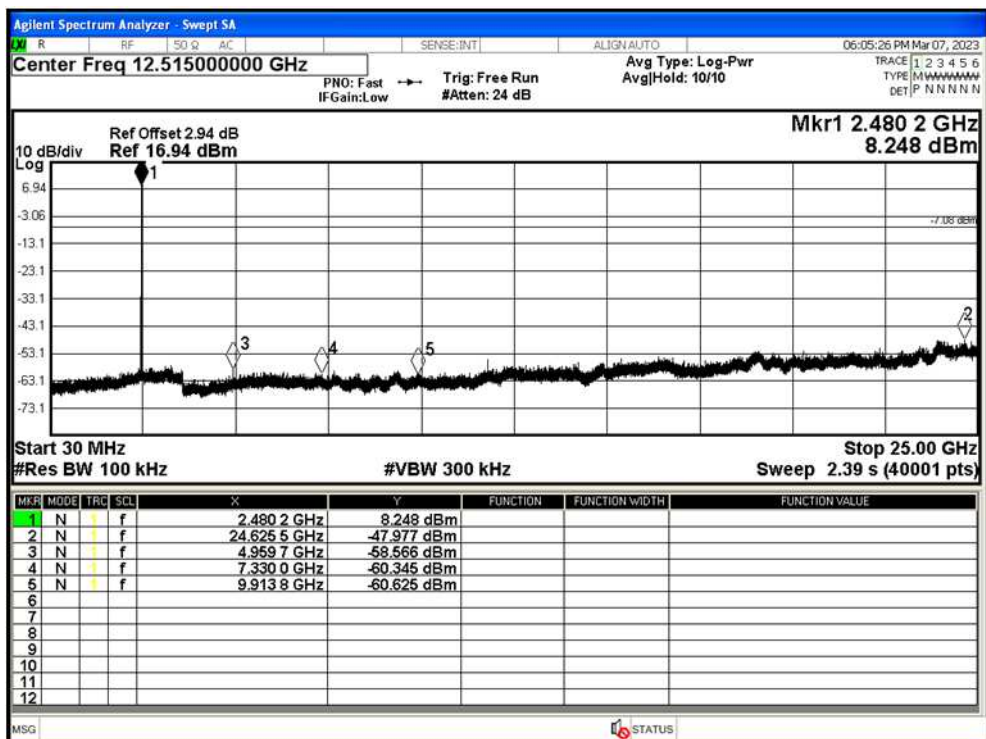
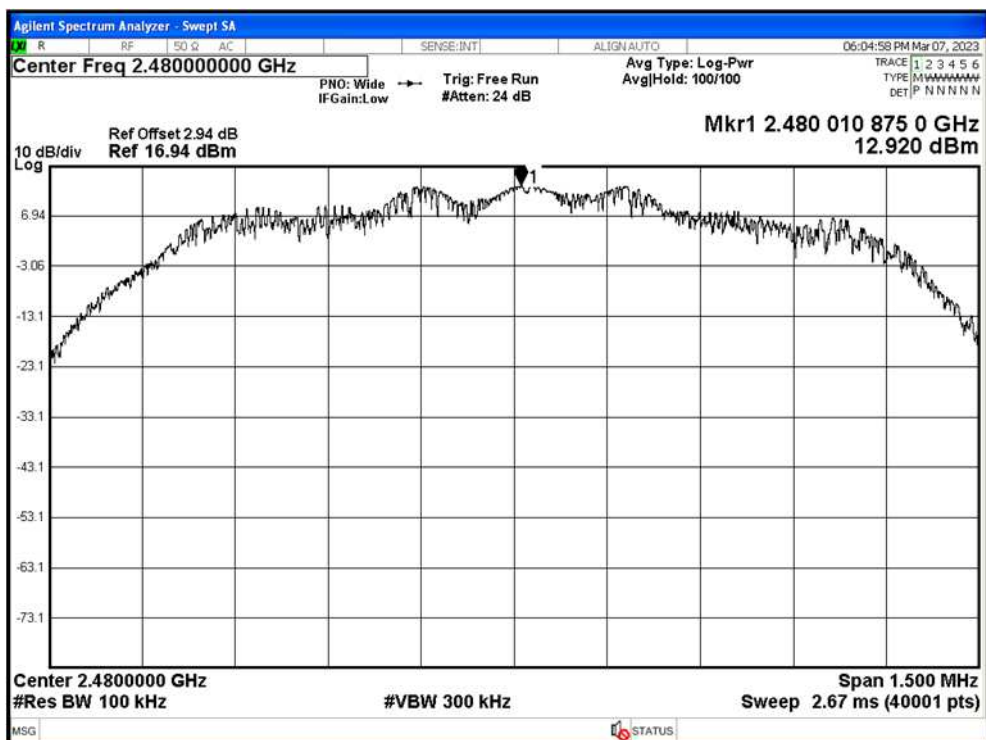
EDR Mode, Low Channel



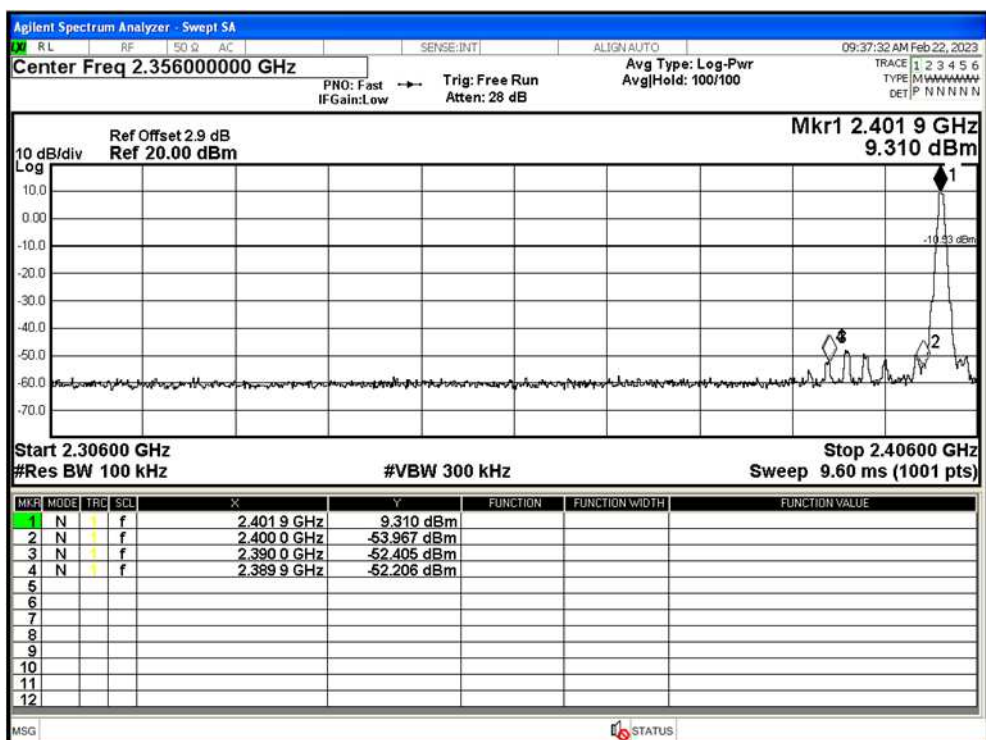
EDR Mode, Middle Channel



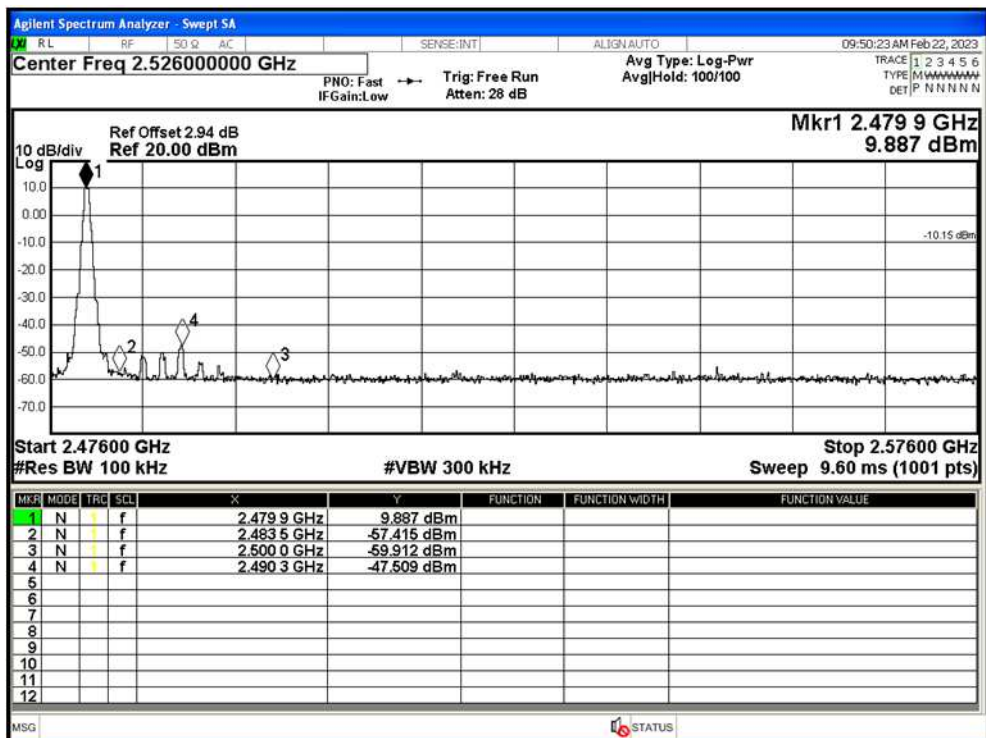
EDR Mode, High Channel



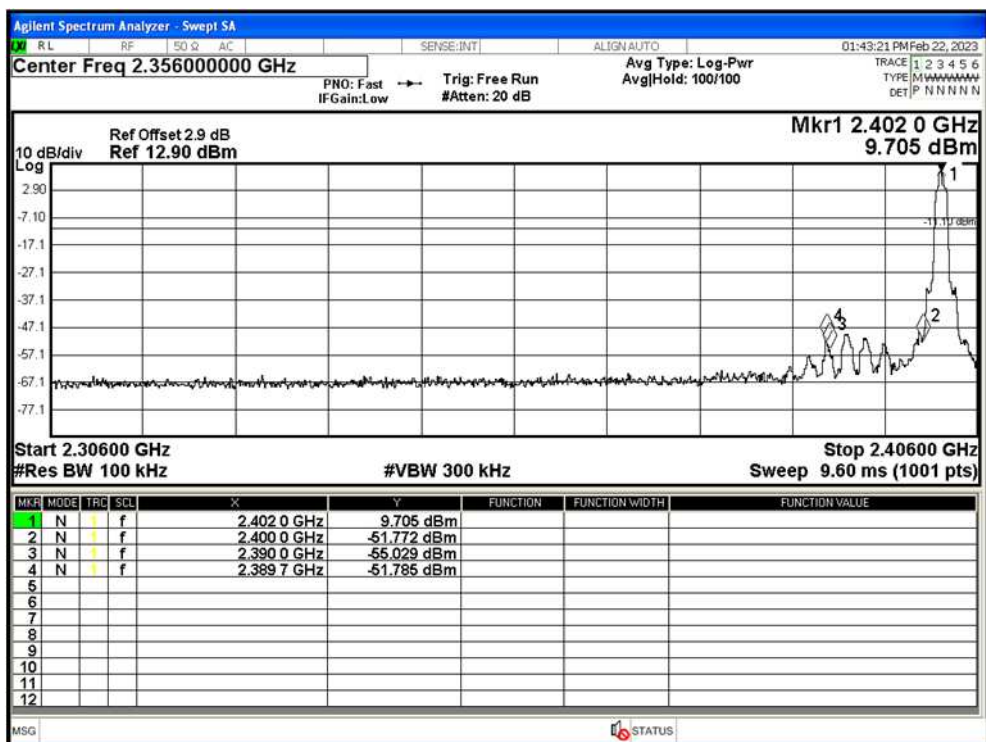
BDR Mode, Band Edge, Low Channel



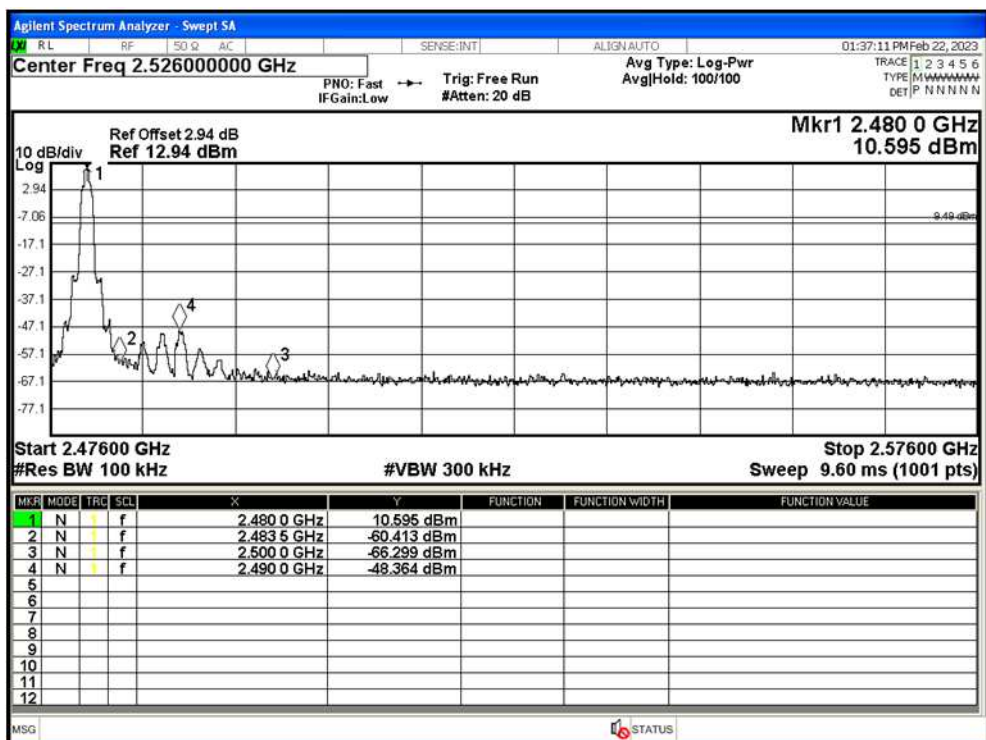
BDR Mode, Band Edge, High Channel



EDR Mode, Band Edge, Low Channel



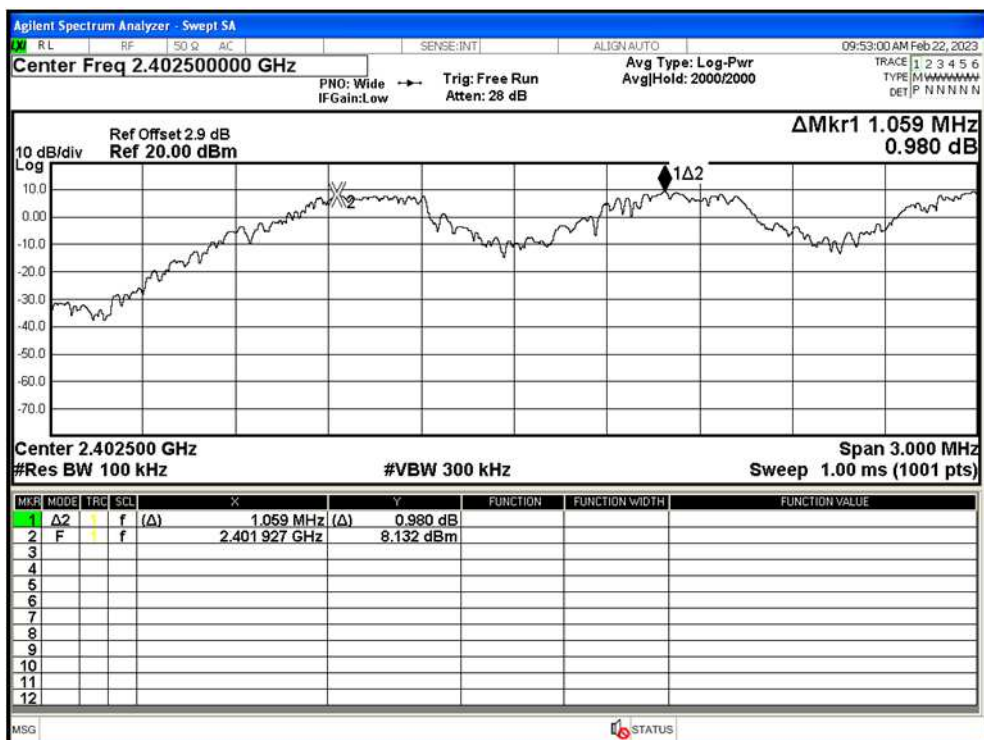
EDR Mode, Band Edge, High Channel



Appendix B.4: Test Plots of Carrier Frequency Separation

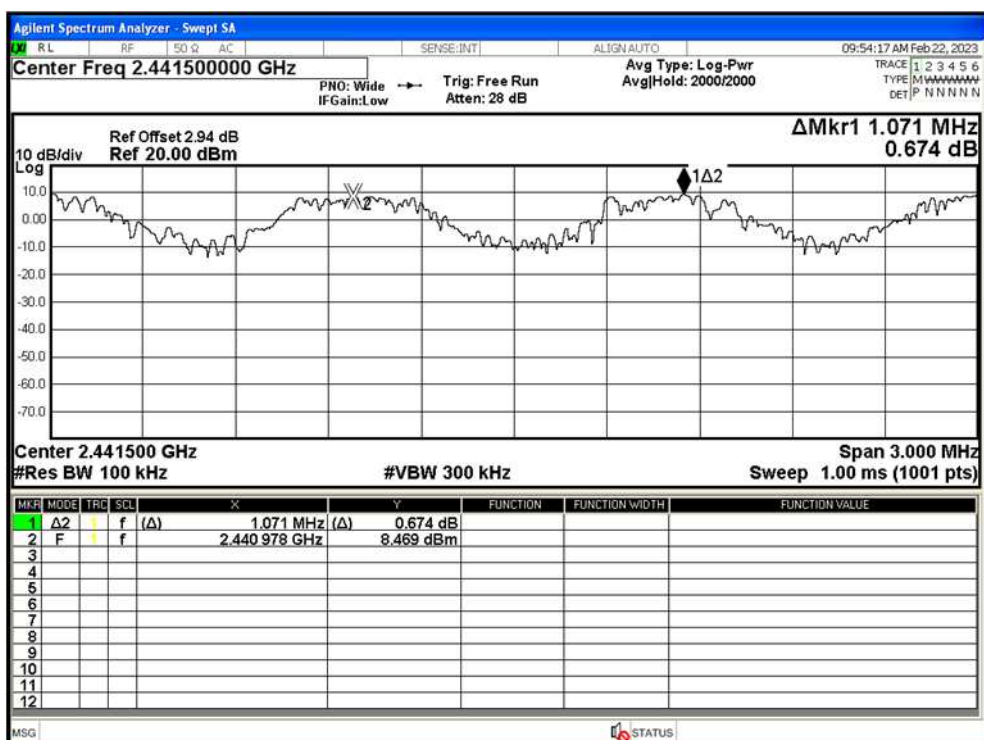
BDR, Low Channel

RBW=100kHz, VBW=300kHz

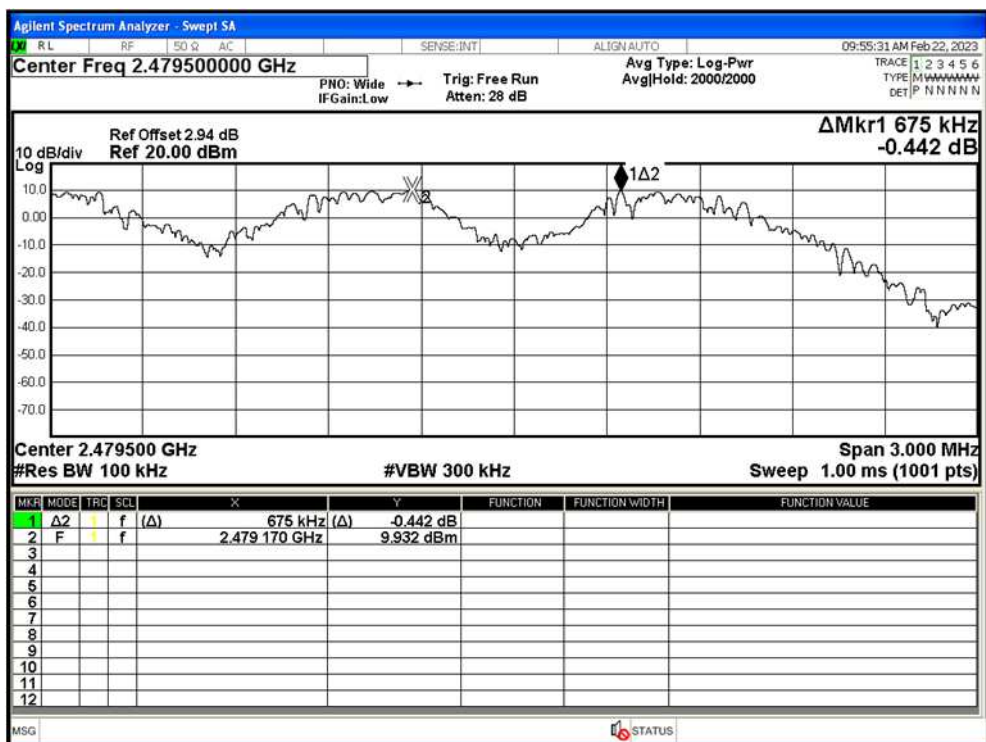


BDR, Middle Channel

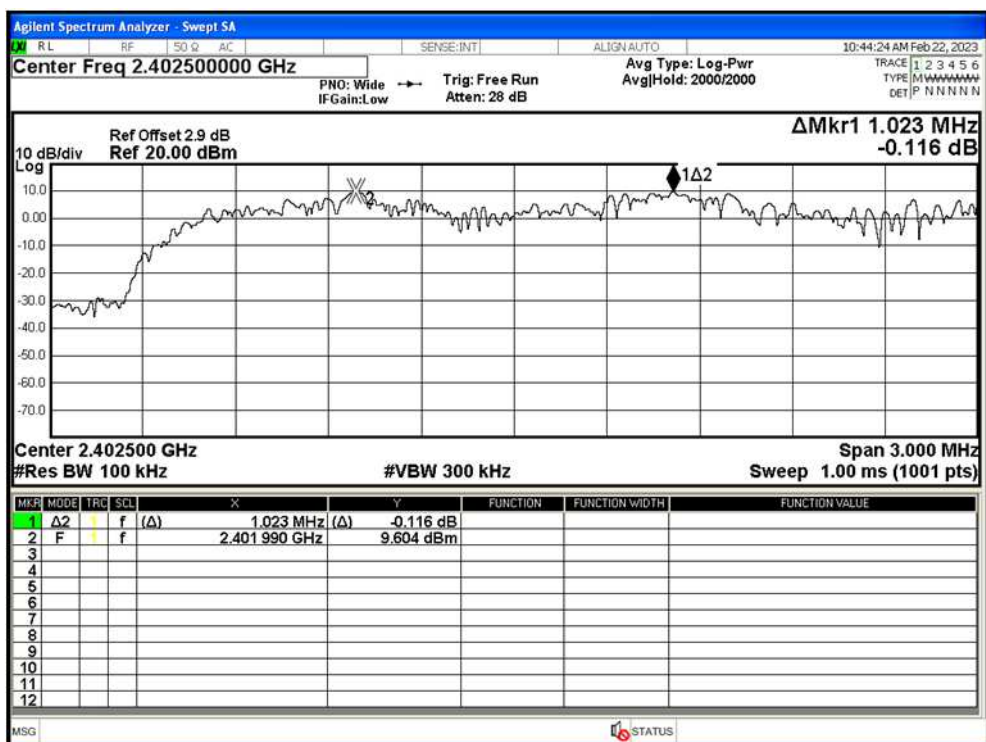
RBW=100kHz, VBW=300kHz



RBW=100kHz, VBW=300kHz

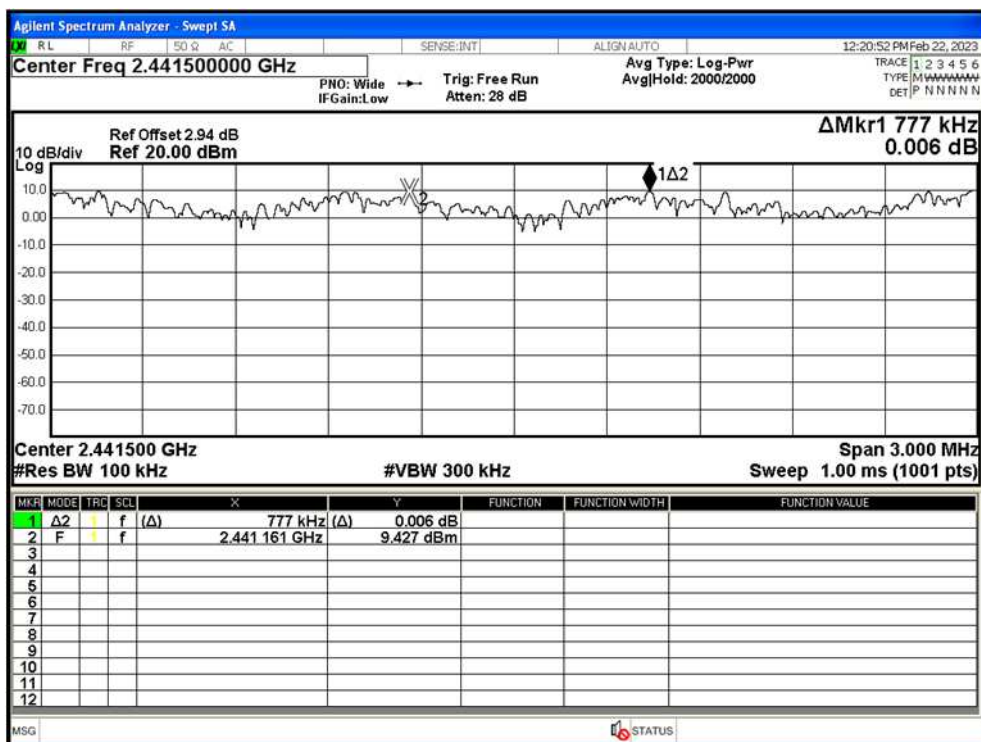


RBW=100kHz, VBW=300kHz



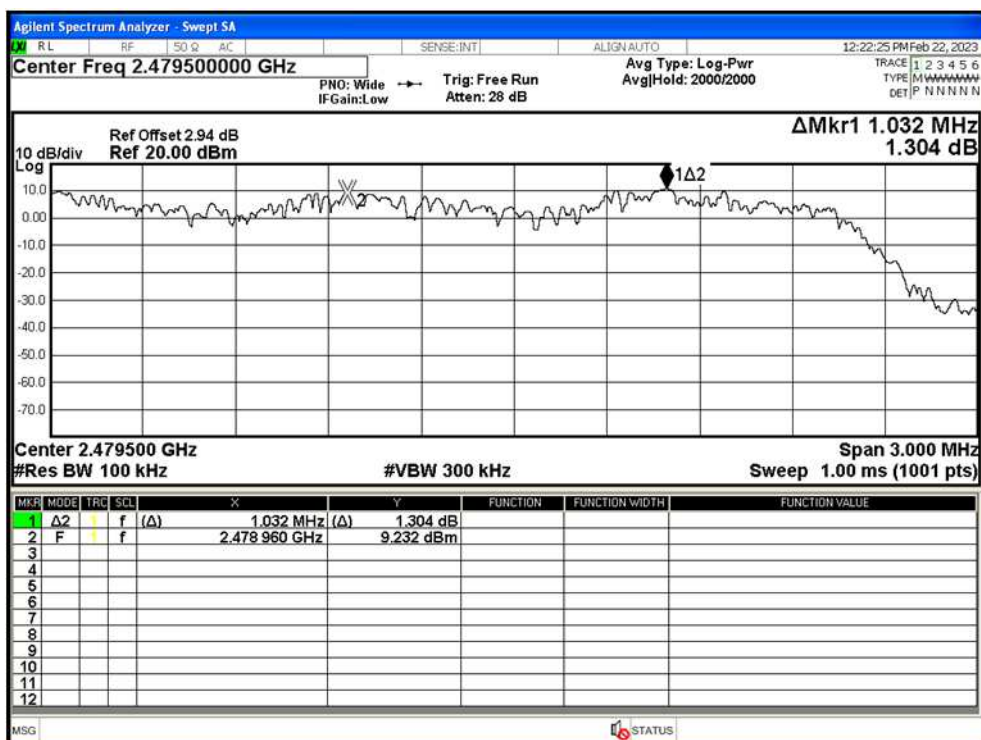
EDR, Middle Channel

RBW=100kHz, VBW=300kHz



EDR, High Channel

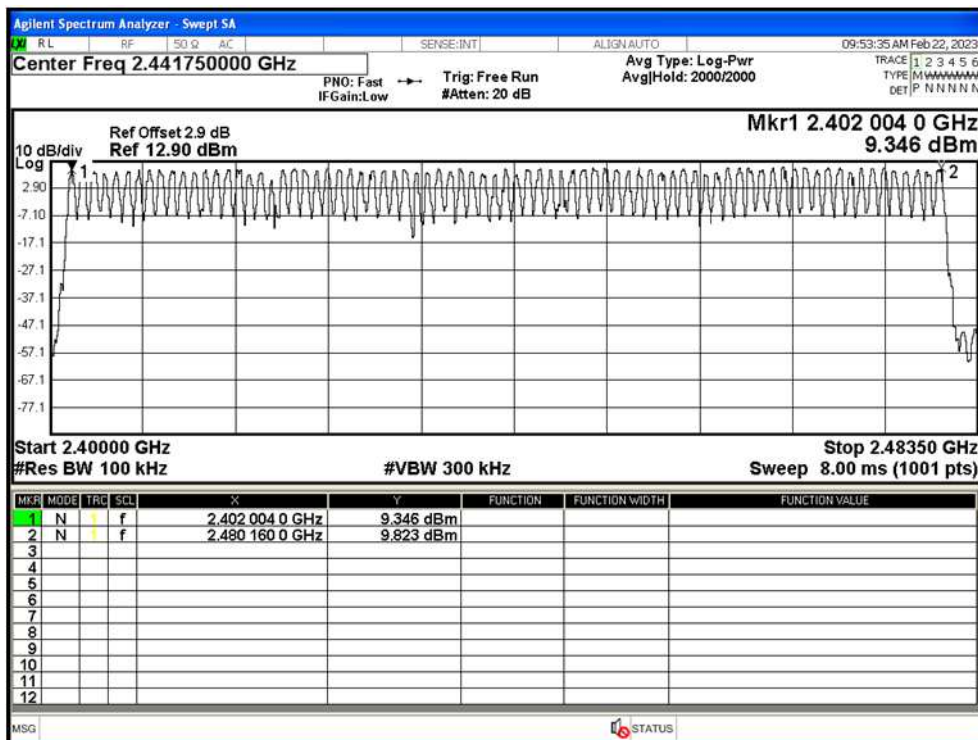
RBW=100kHz, VBW=300kHz

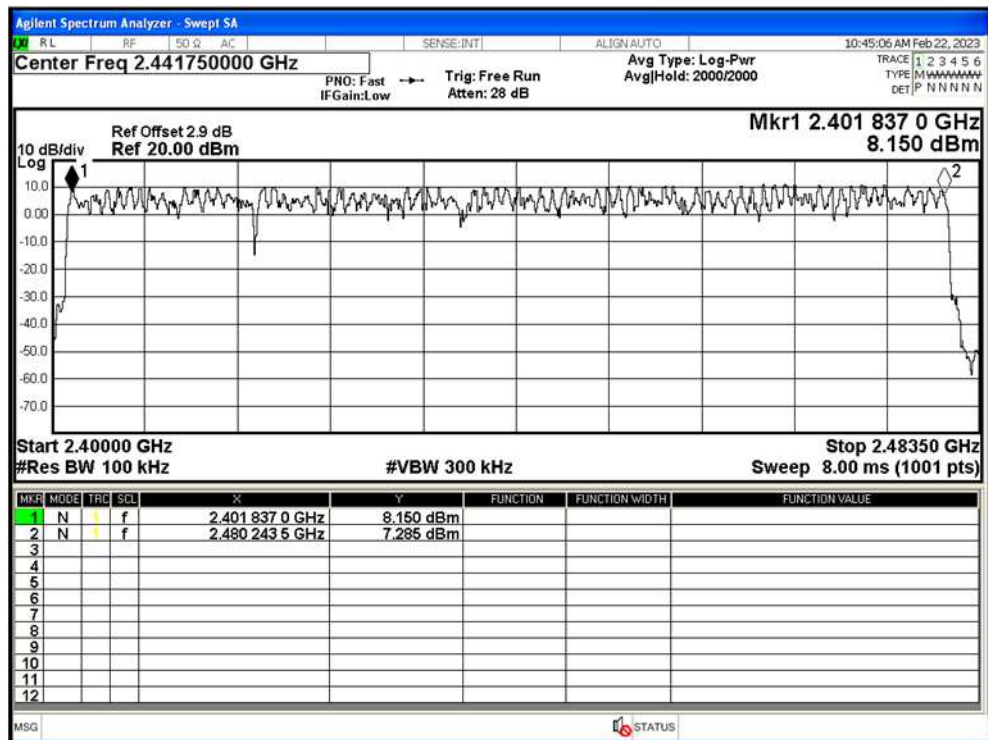


Appendix B.5: Test Plots of Number of Hopping Frequency

BDR, Hopping

Condition	Mode	Hopping Number	Limit	Verdict
NVNT	Hopping	79	15	Pass

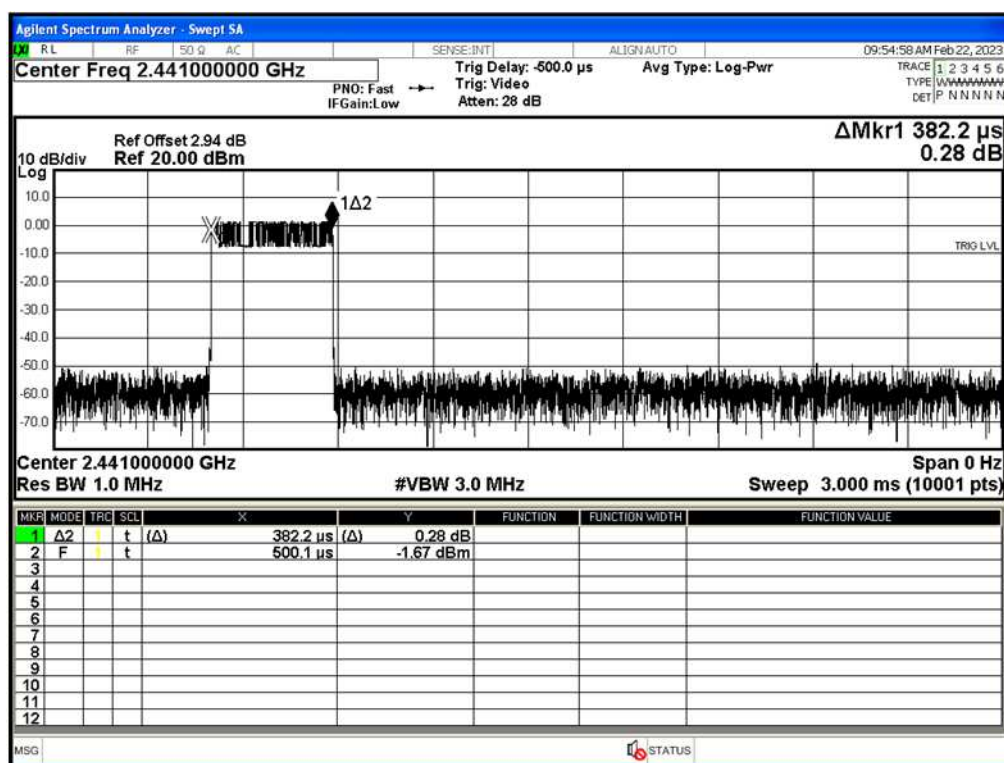


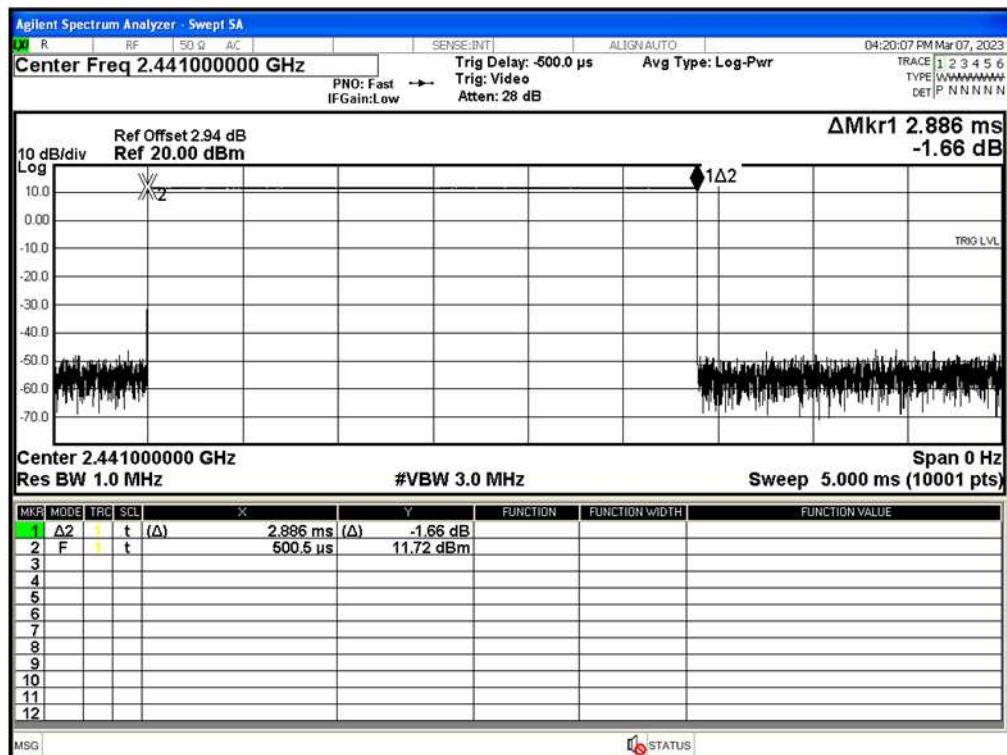


Appendix B.6: Test Plots of Time of Occupancy

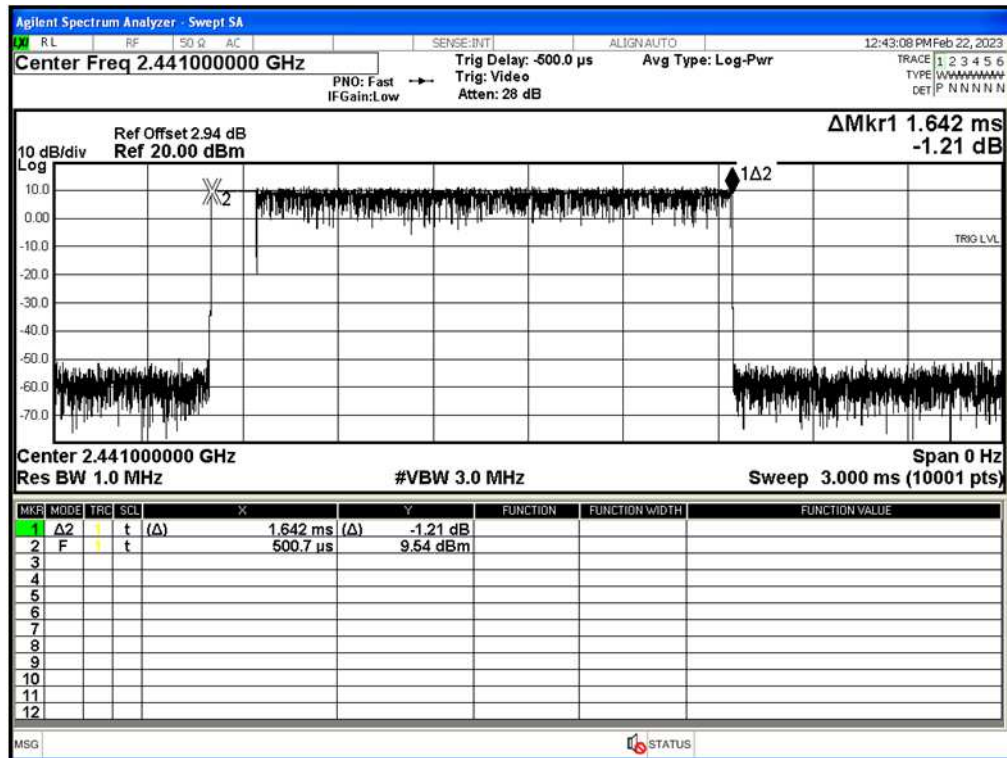
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.382	120.775	31600	400	Pass
NVNT	1-DH3	2441	1.638	258.851	31600	400	Pass
NVNT	1-DH5	2441	2.886	273.593	31600	400	Pass
NVNT	3-DH1	2441	0.391	123.43	31600	400	Pass
NVNT	3-DH3	2441	1.642	259.373	31600	400	Pass
NVNT	3-DH5	2441	2.893	274.209	31600	400	Pass

BDR Mode, DH1, Middle Channel

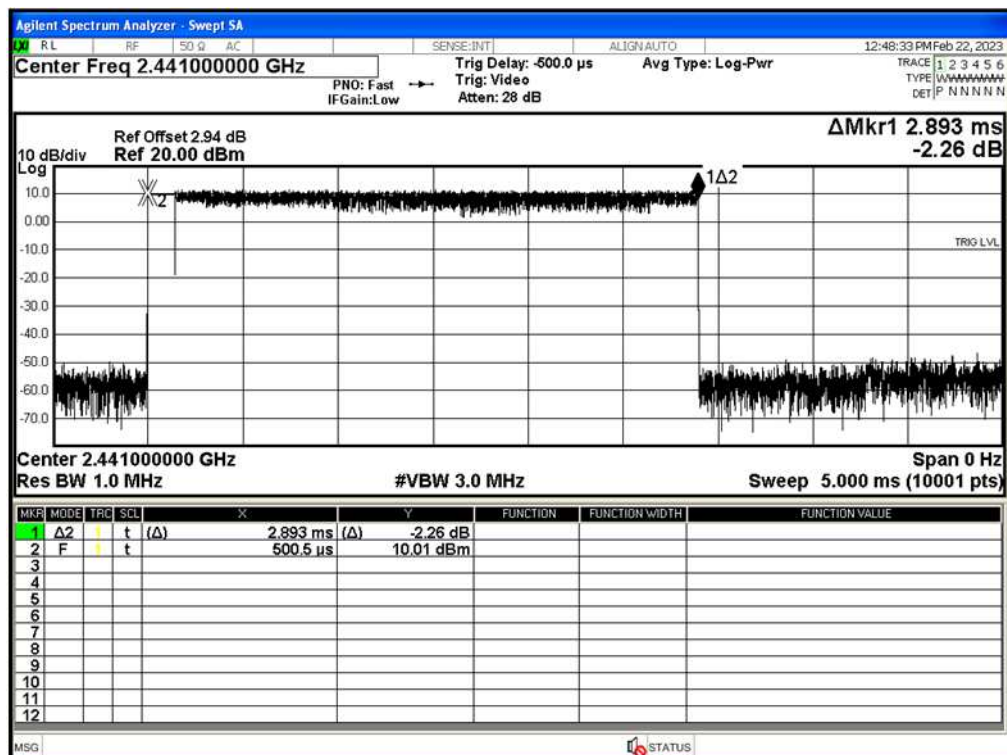




EDR Mode, 3DH3, Middle Channel



EDR Mode, 3DH5, Middle Channel



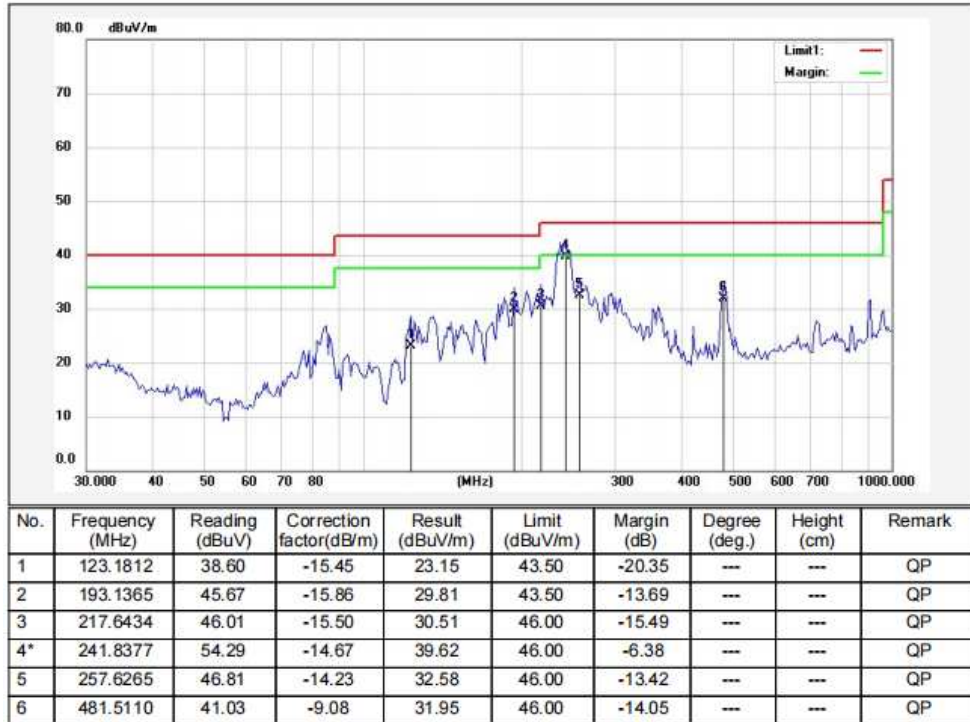
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.7: Test Results of Radiated Spurious Emissions

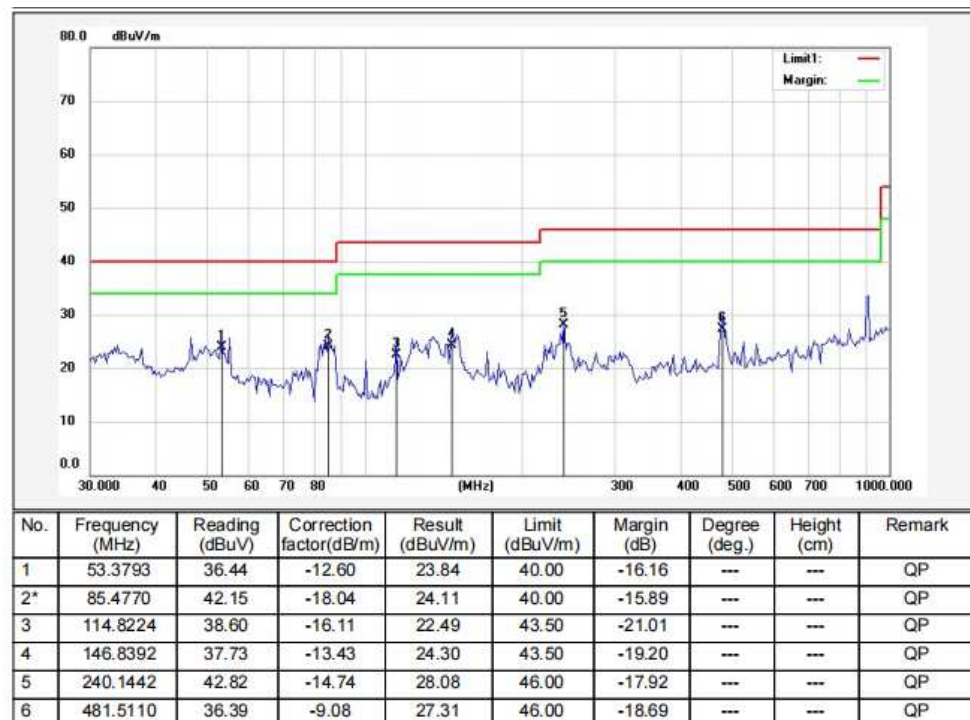
30MHz - 1GHz (Worst case)

BDR

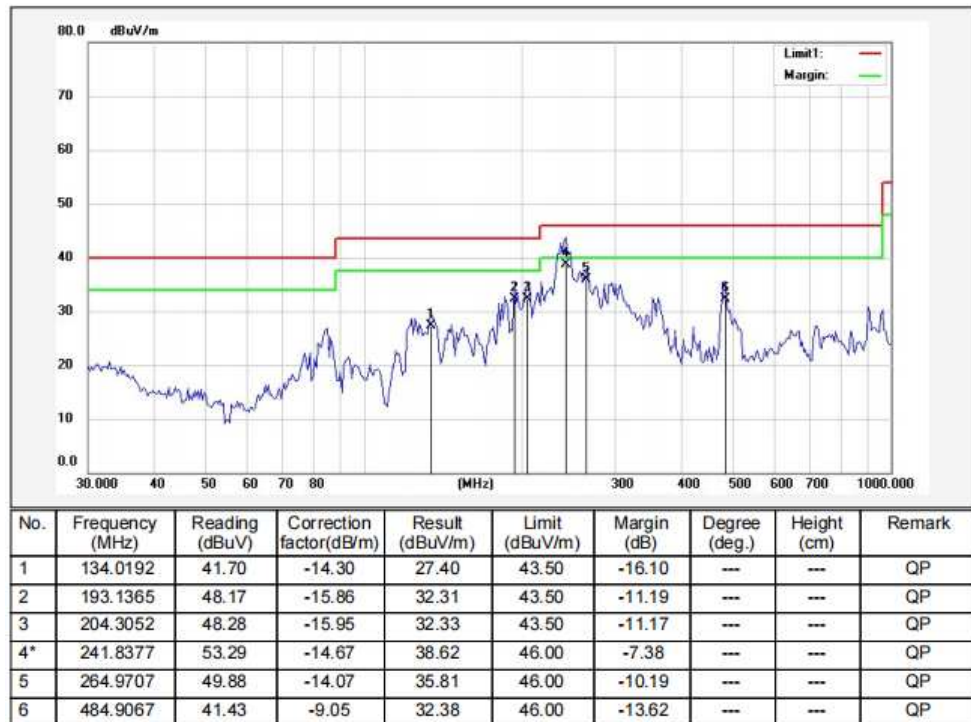
Low Channel Horizontal



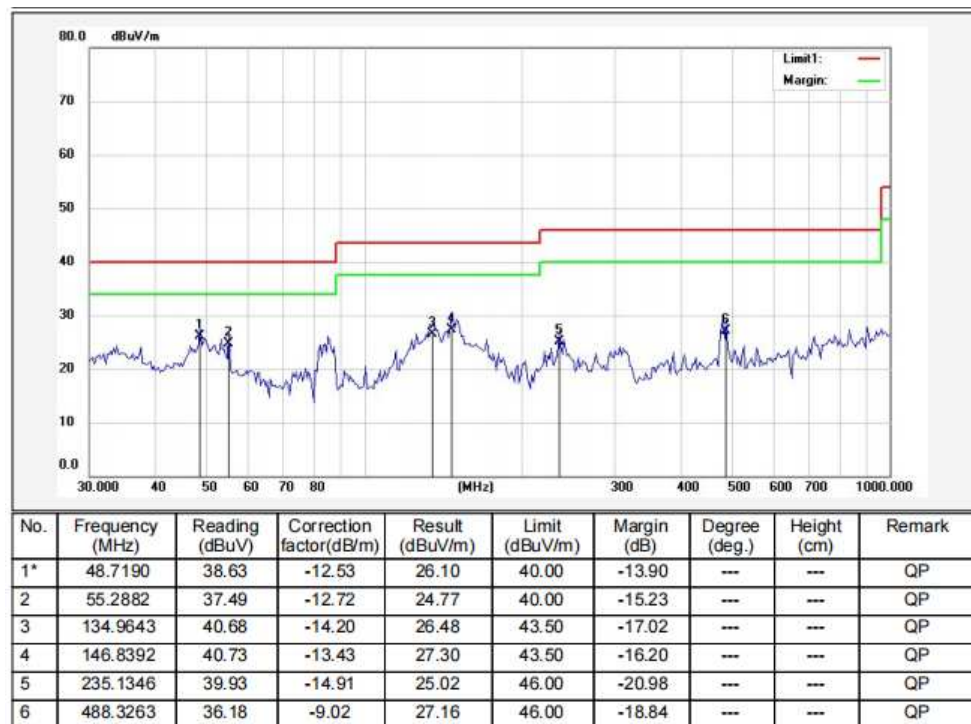
Low Channel Vertical



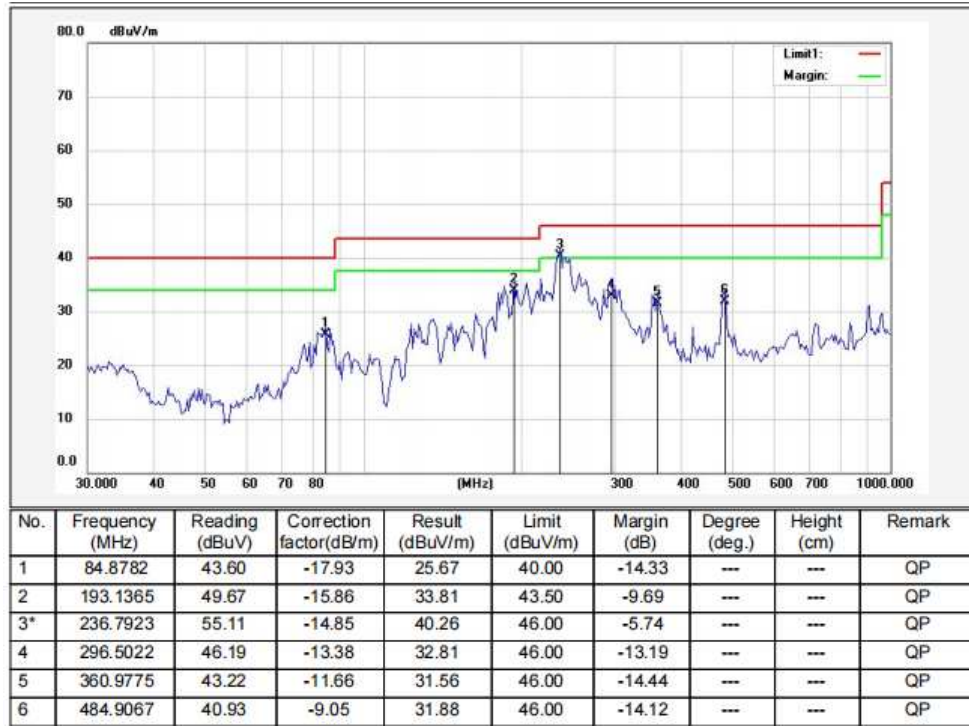
Middle Channel Horizontal



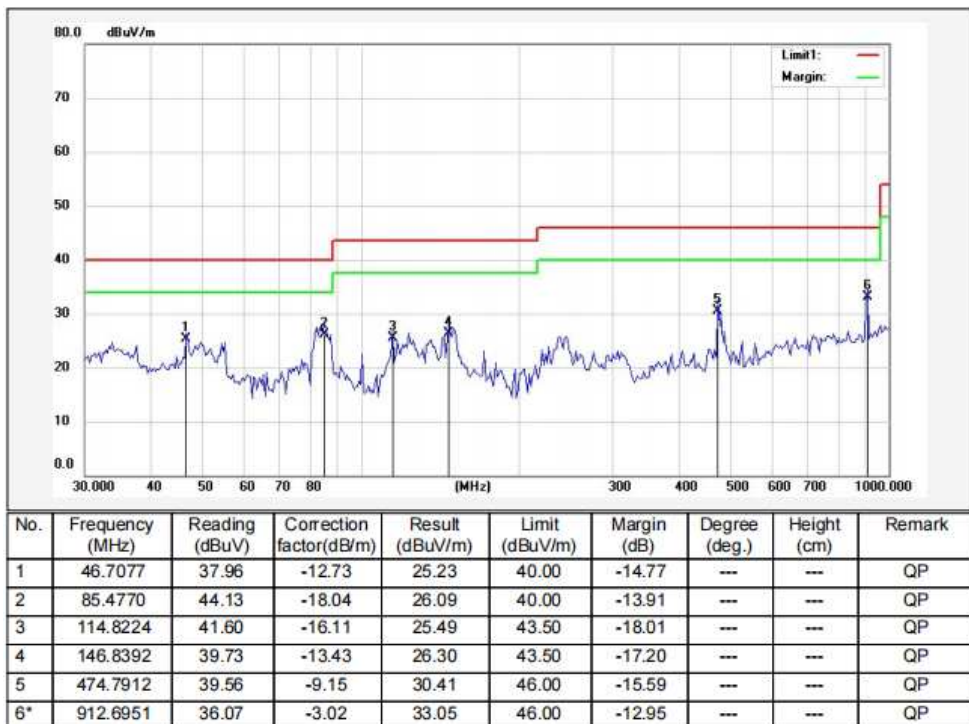
Middle Channel Vertical



High Channel Horizontal

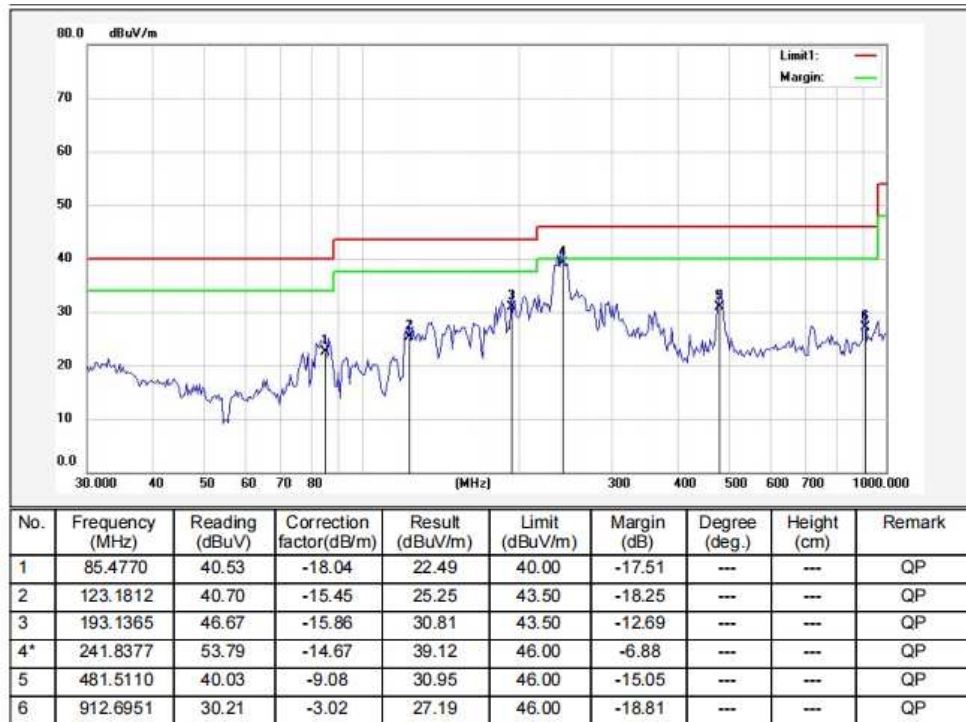


High Channel Vertical

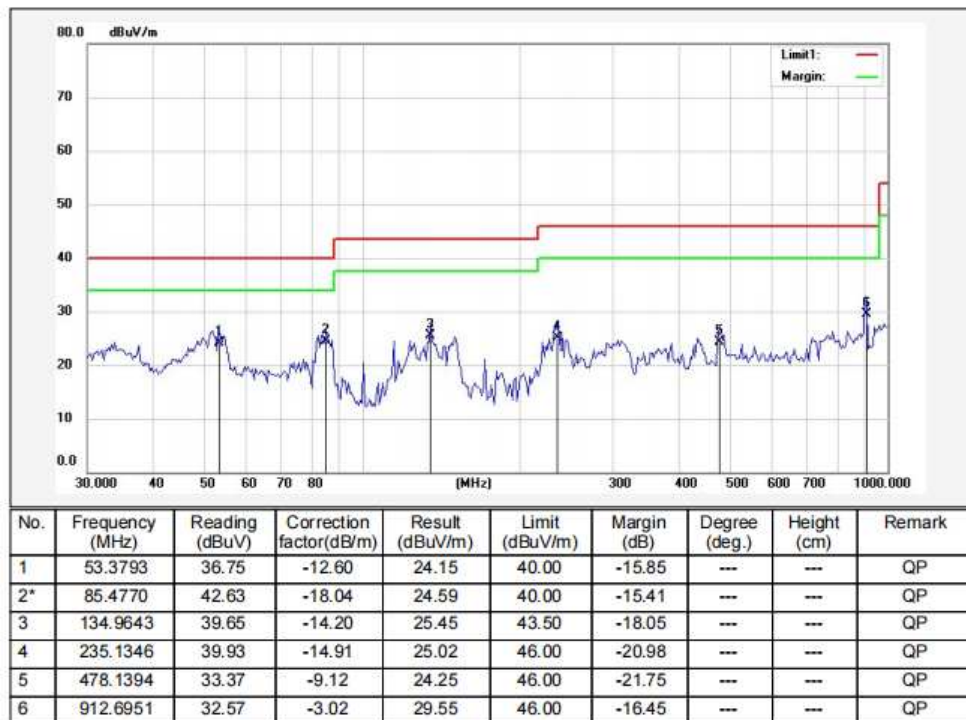


EDR

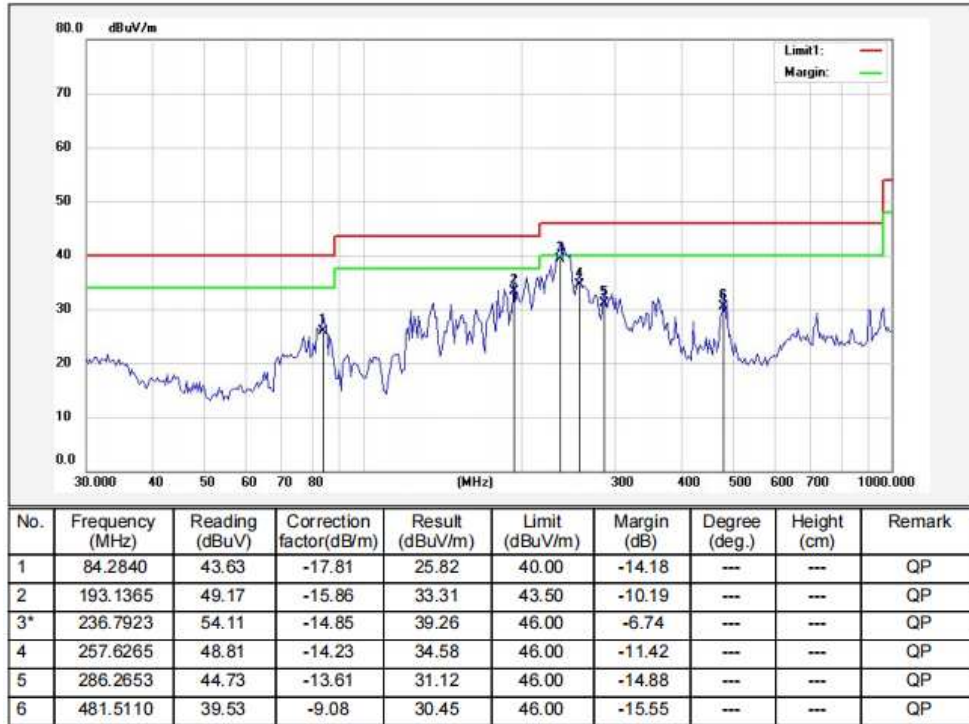
Low Channel Horizontal



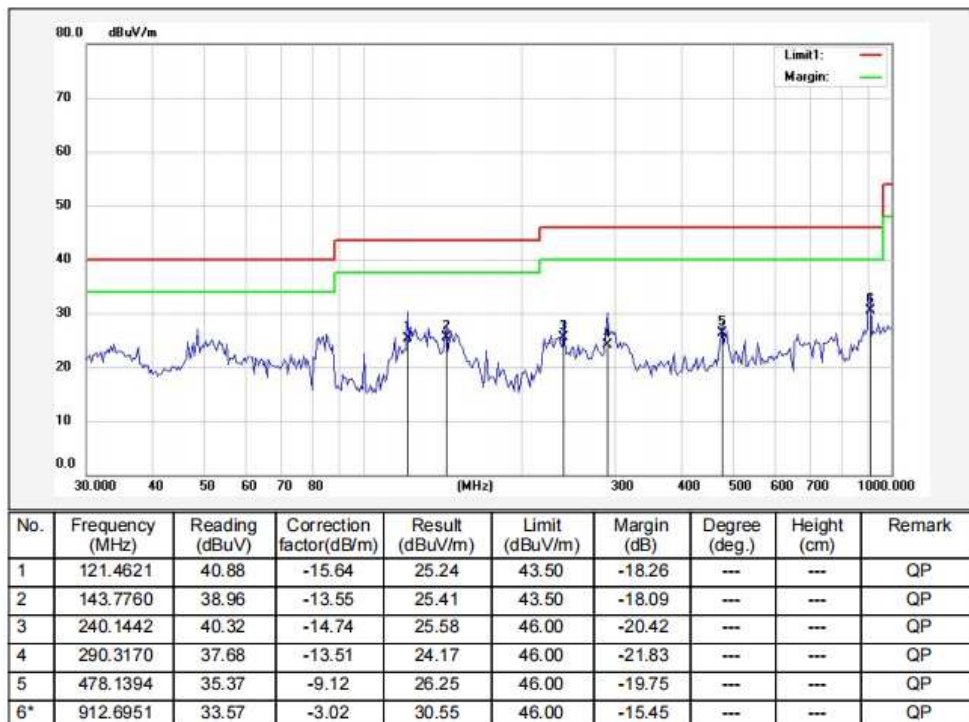
Low Channel Vertical



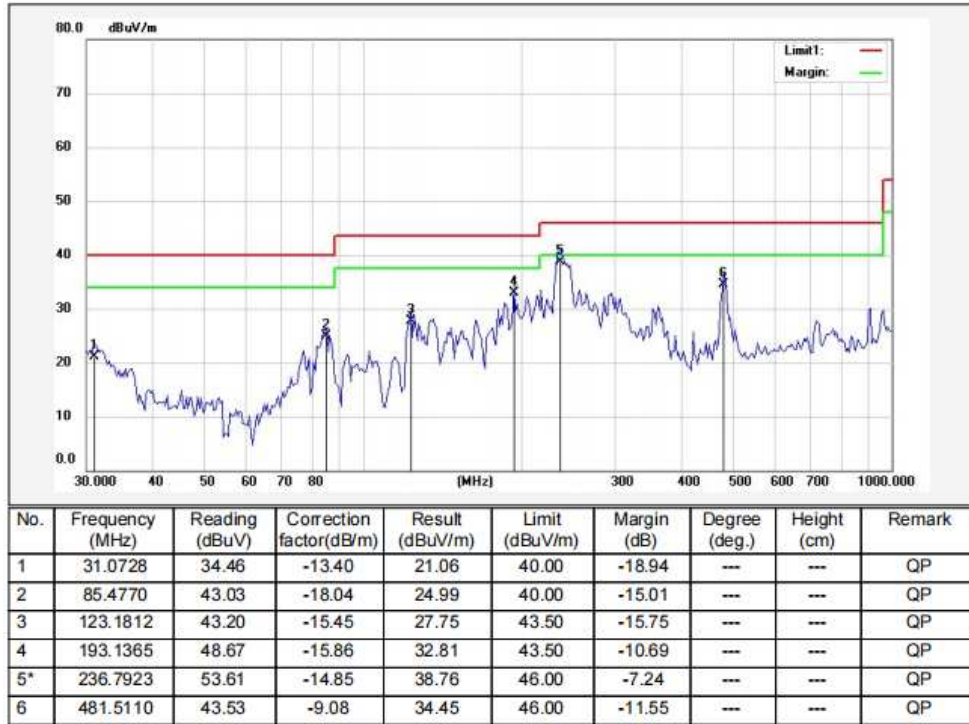
Middle Channel Horizontal



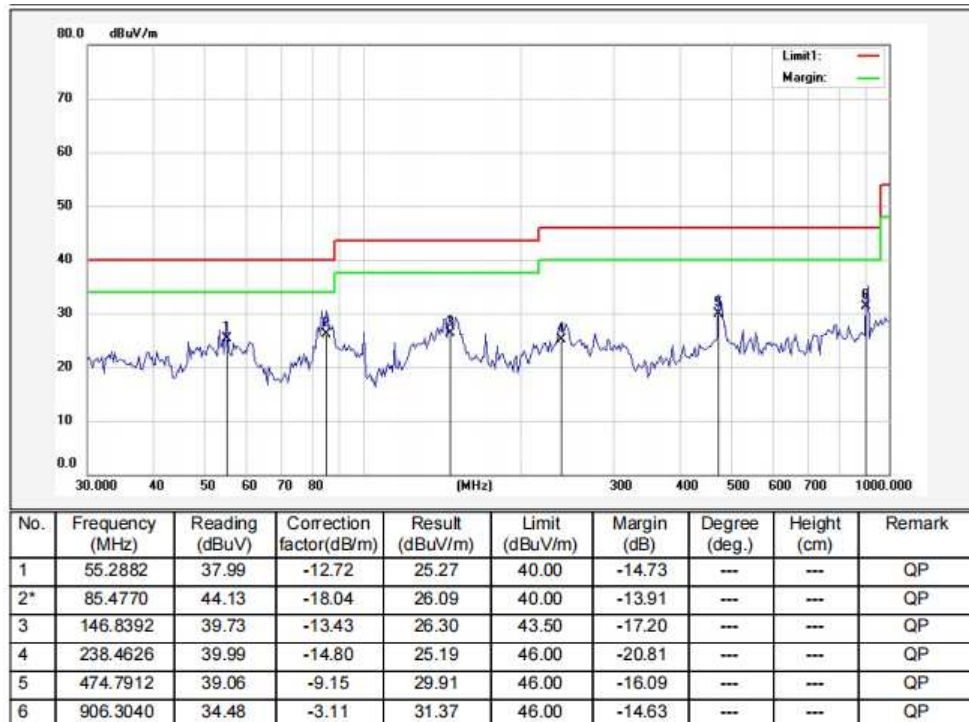
Middle Channel Vertical



High Channel Horizontal



High Channel Vertical

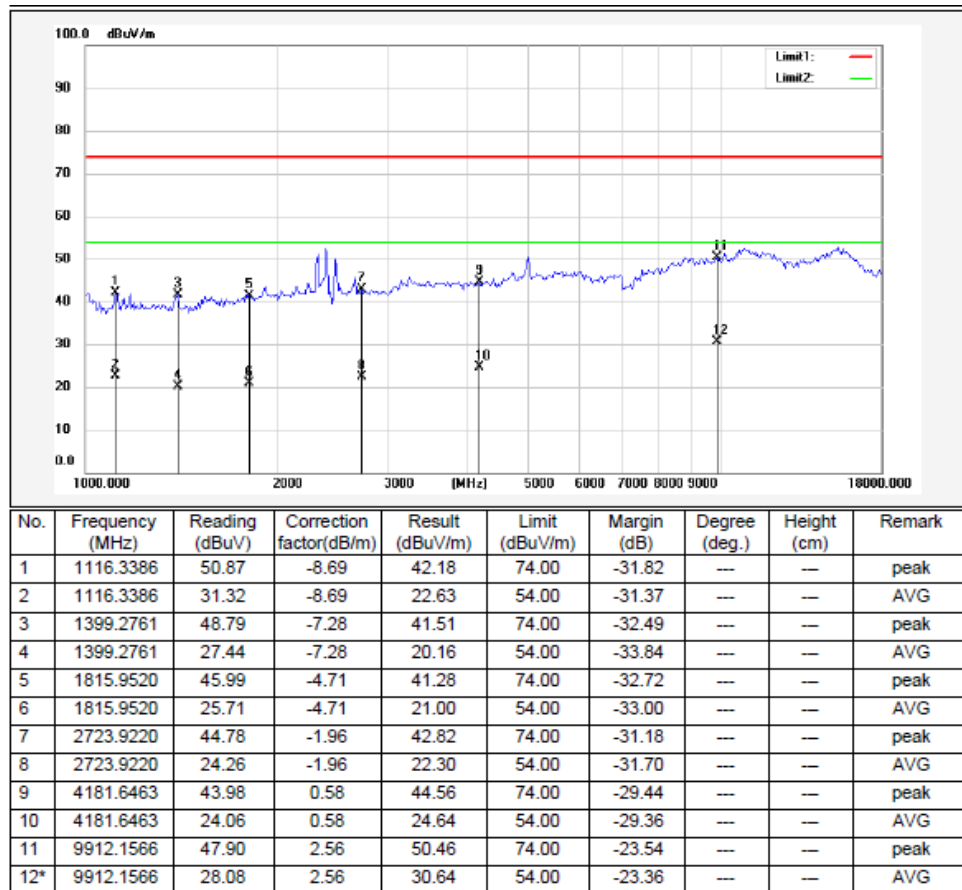


1GHz - 18GHz

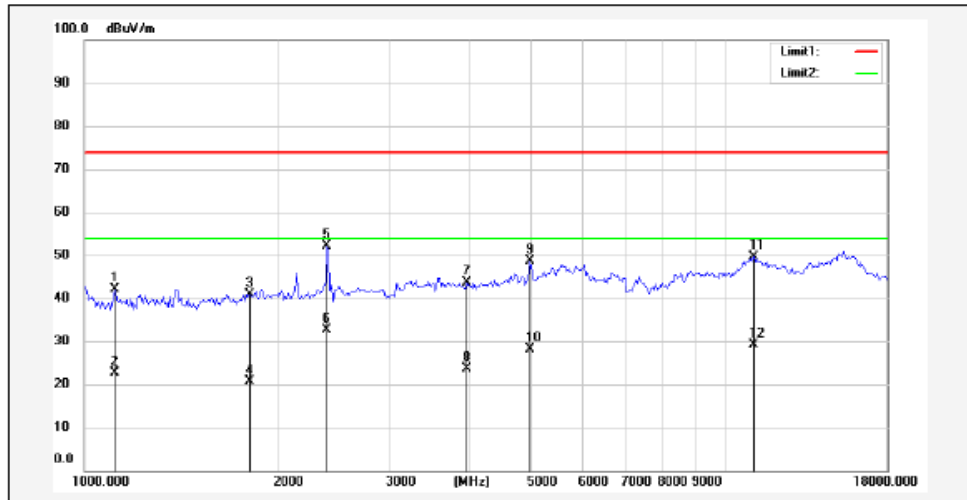
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

BDR

Low Channel Horizontal

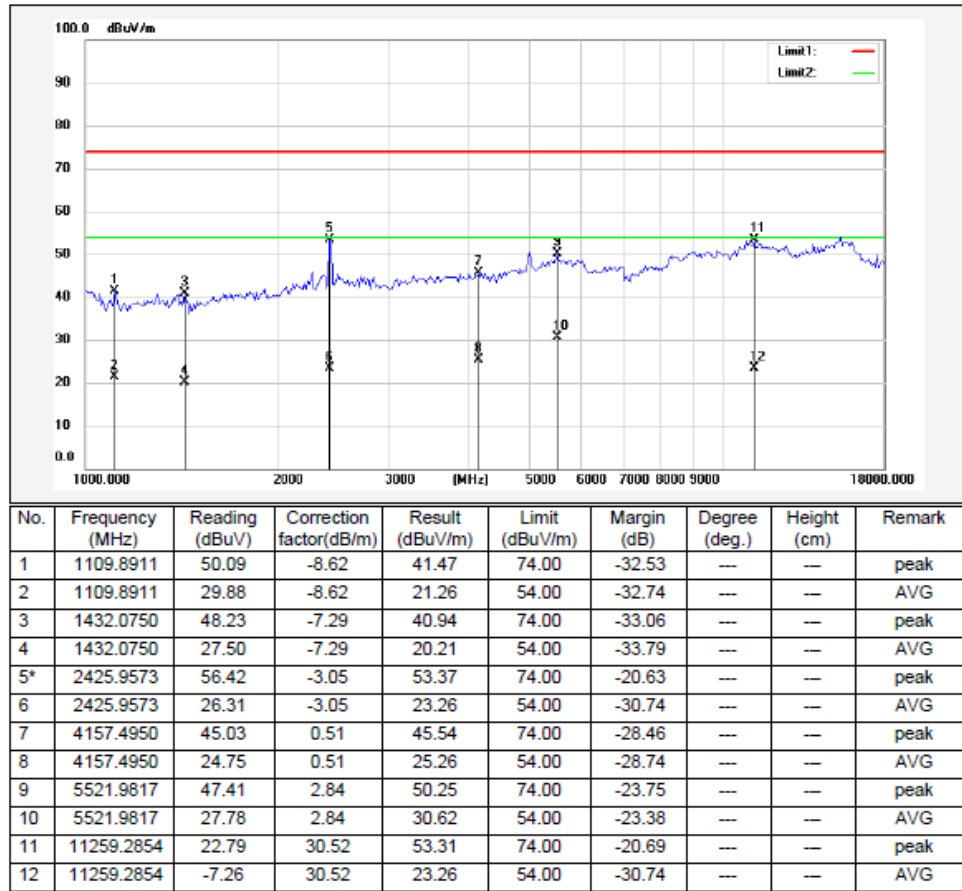


Low Channel Vertical

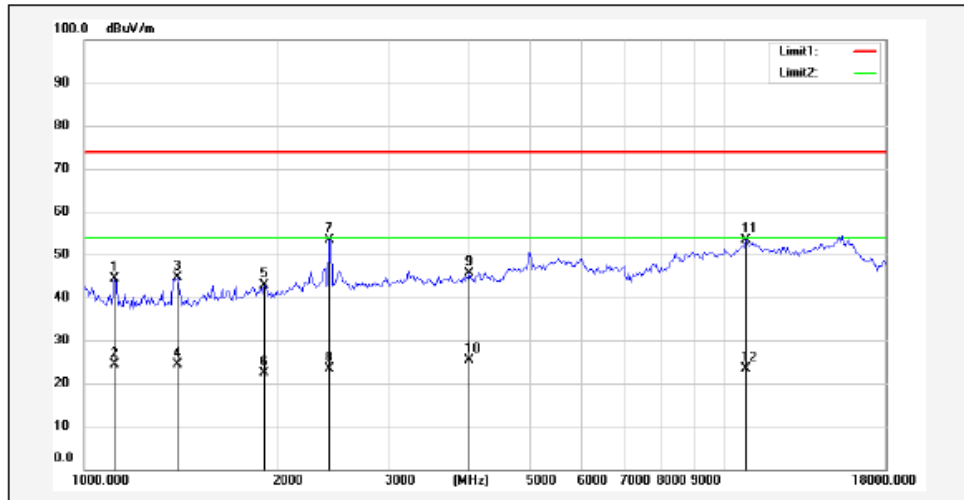


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1116.3386	50.69	-8.67	42.02	74.00	-31.98	---	---	peak
2	1116.3386	31.31	-8.67	22.64	54.00	-31.36	---	---	AVG
3	1815.9520	45.52	-4.54	40.98	74.00	-33.02	---	---	peak
4	1815.9520	25.18	-4.54	20.64	54.00	-33.36	---	---	AVG
5	2398.0156	55.04	-2.80	52.24	74.00	-21.76	---	---	peak
6*	2398.0156	35.36	-2.80	32.56	54.00	-21.44	---	---	AVG
7	3969.2380	42.34	1.17	43.51	74.00	-30.49	---	---	peak
8	3969.2380	22.52	1.17	23.69	54.00	-30.31	---	---	AVG
9	4975.2461	45.59	2.98	48.57	74.00	-25.43	---	---	peak
10	4975.2461	25.23	2.98	28.21	54.00	-25.79	---	---	AVG
11	11129.6033	16.95	32.56	49.51	74.00	-24.49	---	---	peak
12	11129.6033	-3.44	32.56	29.12	54.00	-24.88	---	---	AVG

Middle Channel Horizontal

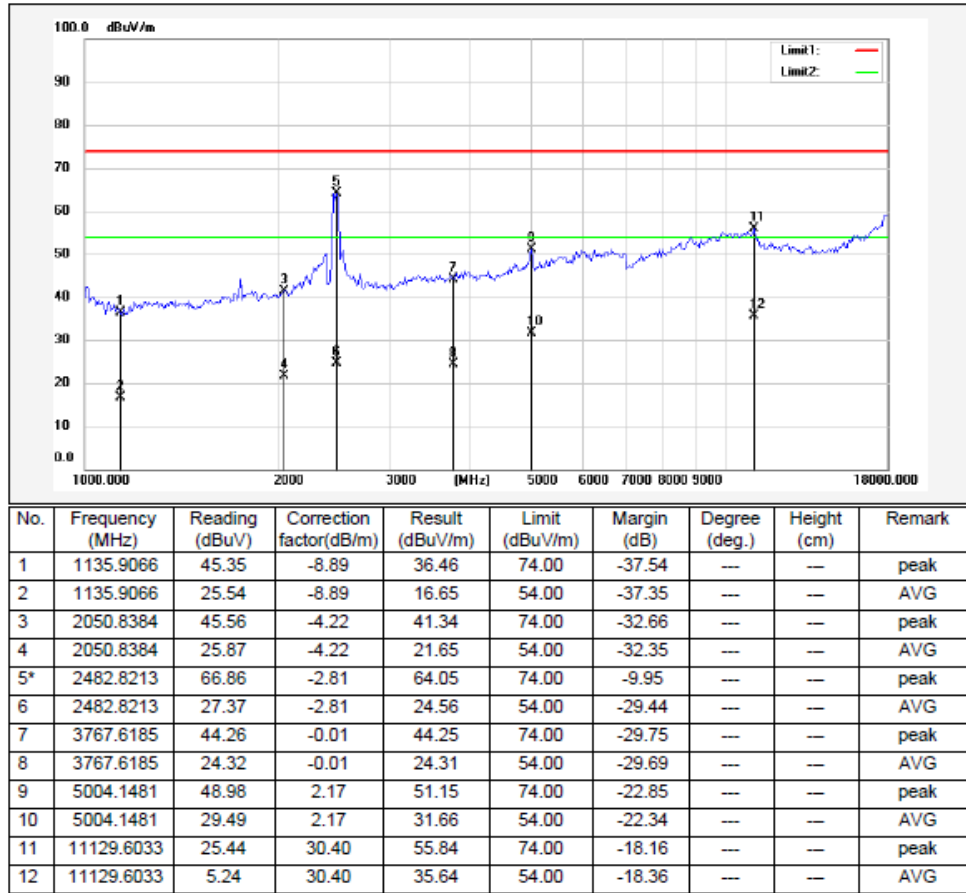


Middle Channel Vertical

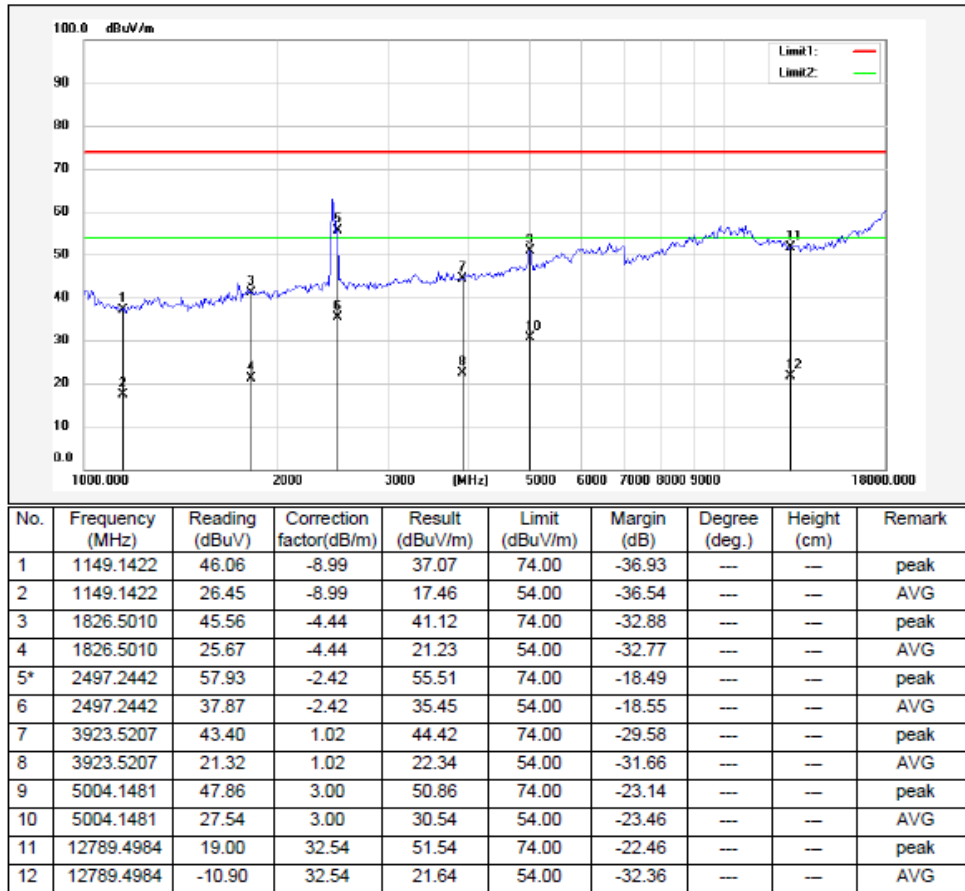


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1116.3386	53.04	-8.67	44.37	74.00	-29.63	---	---	peak
2	1116.3386	32.93	-8.67	24.26	54.00	-29.74	---	---	AVG
3	1399.2761	51.82	-7.20	44.62	74.00	-29.38	---	---	peak
4	1399.2761	31.46	-7.20	24.26	54.00	-29.74	---	---	AVG
5	1913.1302	46.97	-4.18	42.79	74.00	-31.21	---	---	peak
6	1913.1302	26.44	-4.18	22.26	54.00	-31.74	---	---	AVG
7*	2425.9573	56.22	-2.75	53.47	74.00	-20.53	---	---	peak
8	2425.9573	26.01	-2.75	23.26	54.00	-30.74	---	---	AVG
9	4015.4875	44.37	1.18	45.55	74.00	-28.45	---	---	peak
10	4015.4875	24.08	1.18	25.26	54.00	-28.74	---	---	AVG
11	10874.7024	48.70	4.57	53.27	74.00	-20.73	---	---	peak
12	10874.7024	18.69	4.57	23.26	54.00	-30.74	---	---	AVG

High Channel Horizontal

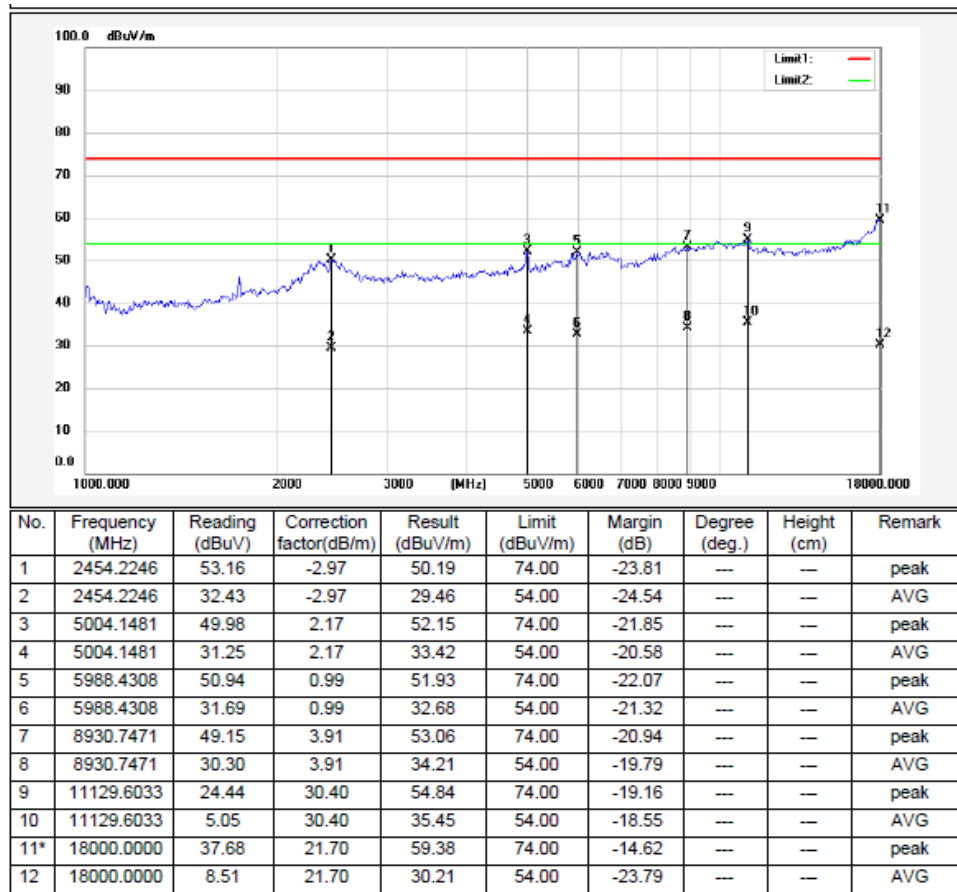


High Channel Vertical

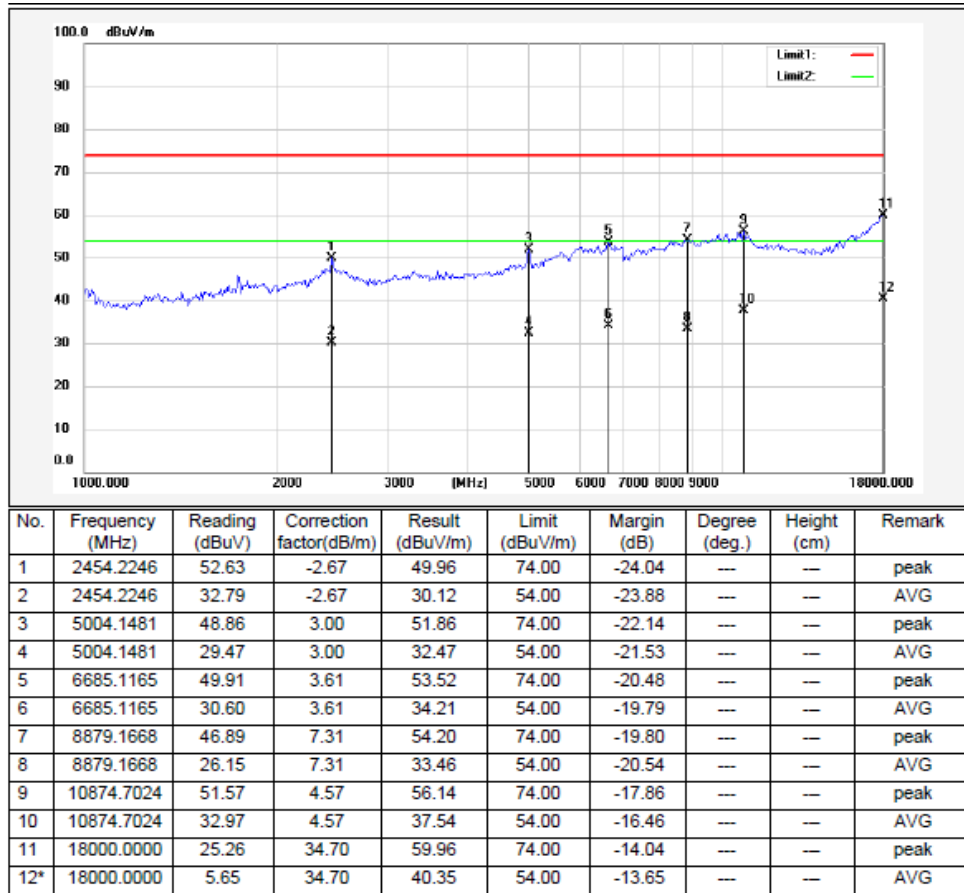


EDR

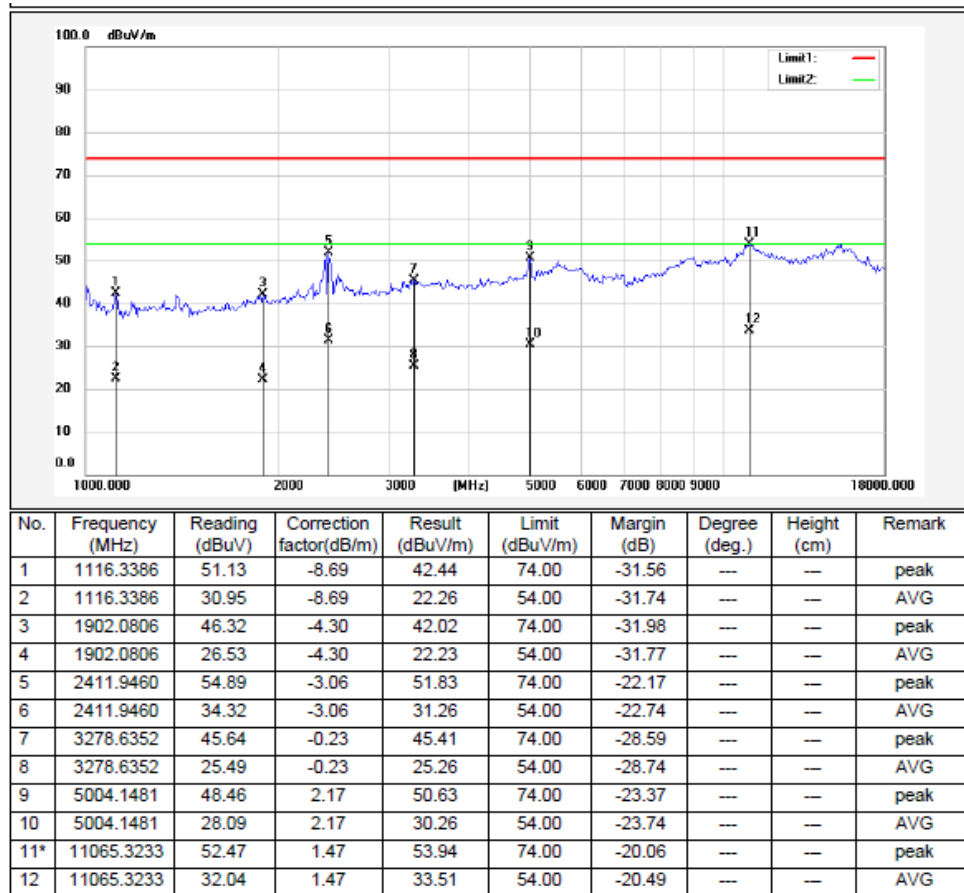
Low Channel Horizontal



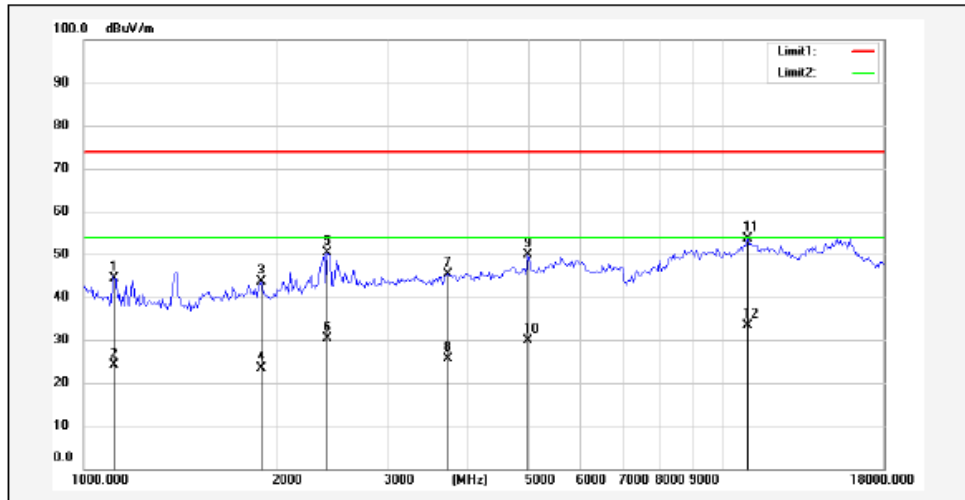
Low Channel Vertical



Middle Channel Horizontal

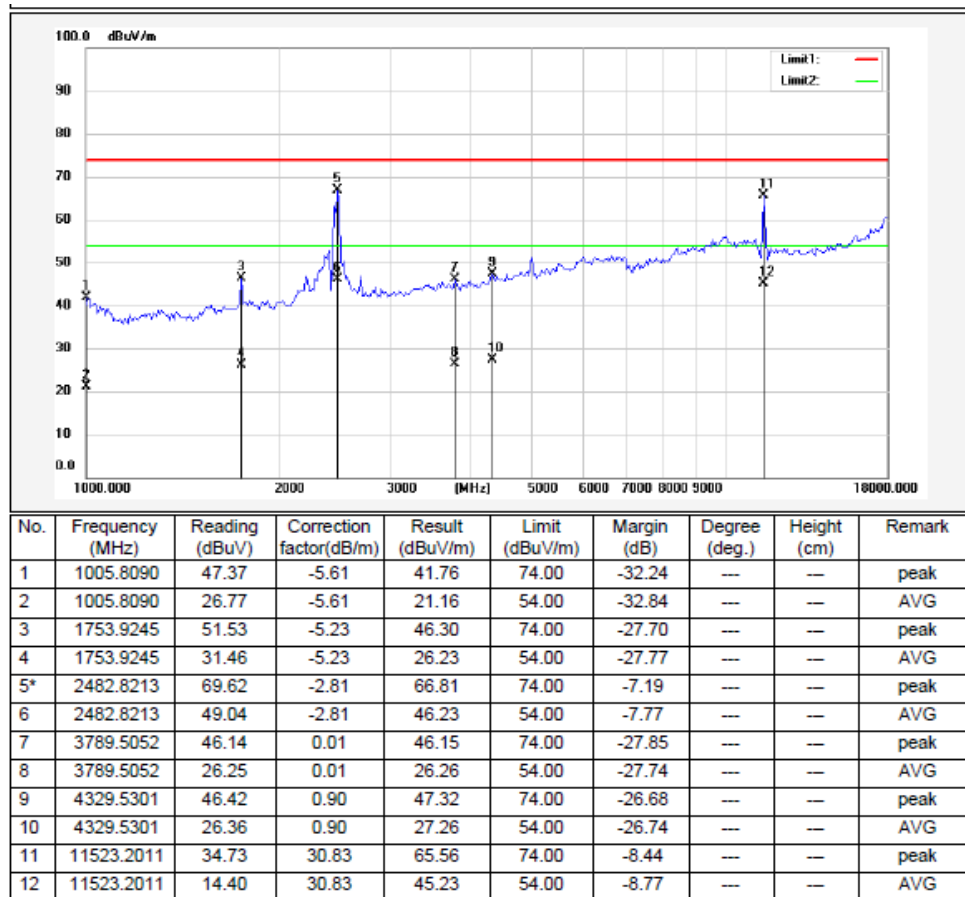


Middle Channel Vertical

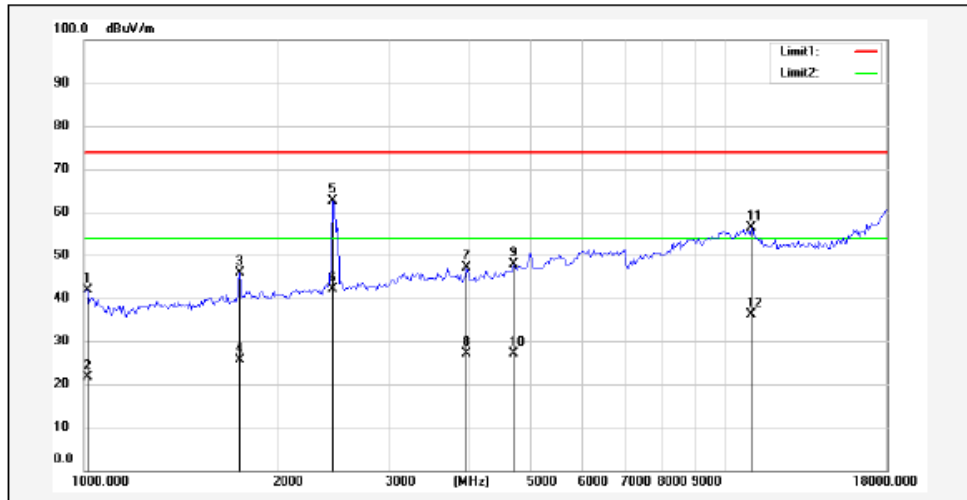


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1116.3386	53.04	-8.67	44.37	74.00	-29.63	---	---	peak
2	1116.3386	32.82	-8.67	24.15	54.00	-29.85	---	---	AVG
3	1902.0806	47.83	-4.11	43.72	74.00	-30.28	---	---	peak
4	1902.0806	27.37	-4.11	23.26	54.00	-30.74	---	---	AVG
5	2411.9460	53.27	-2.77	50.50	74.00	-23.50	---	---	peak
6	2411.9460	33.03	-2.77	30.26	54.00	-23.74	---	---	AVG
7	3724.2240	44.84	0.52	45.36	74.00	-28.64	---	---	peak
8	3724.2240	25.04	0.52	25.56	54.00	-28.44	---	---	AVG
9	4975.2461	46.86	2.98	49.84	74.00	-24.16	---	---	peak
10	4975.2461	26.87	2.98	29.85	54.00	-24.15	---	---	AVG
11*	11001.4146	49.53	4.11	53.64	74.00	-20.36	---	---	peak
12	11001.4146	29.15	4.11	33.26	54.00	-20.74	---	---	AVG

High Channel Horizontal



High Channel Vertical

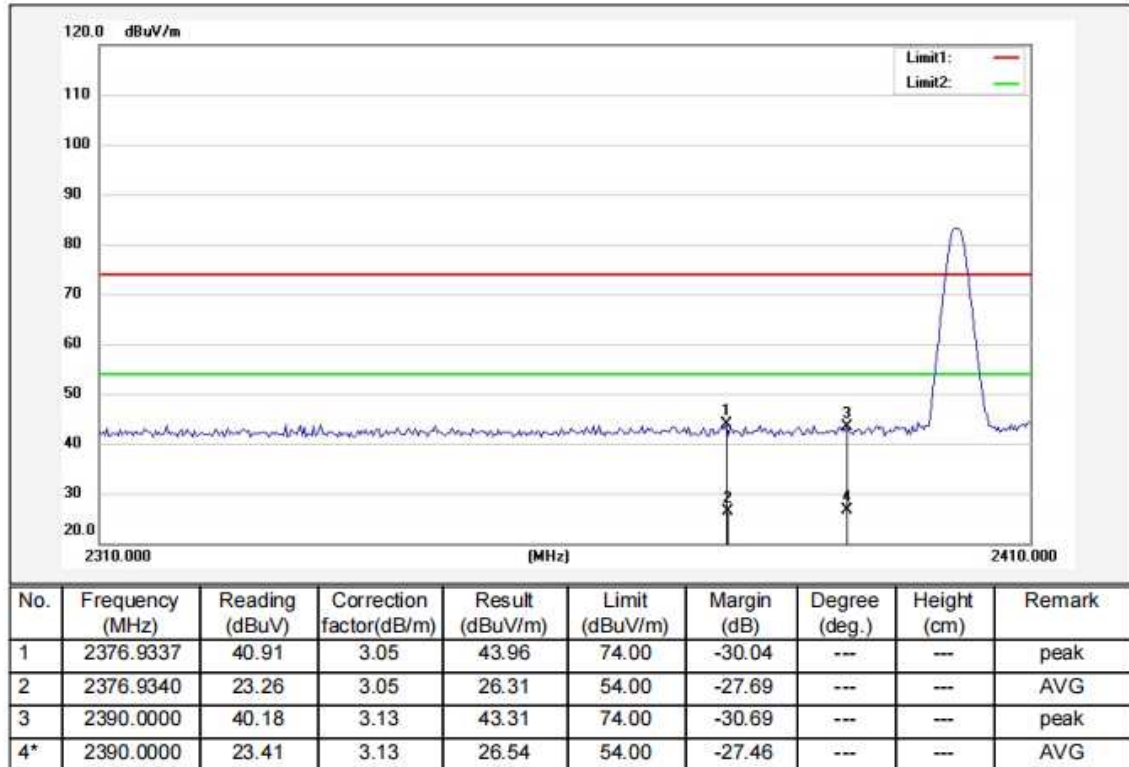


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1011.6520	47.67	-5.83	41.84	74.00	-32.16	---	---	peak
2	1011.6520	27.39	-5.83	21.56	54.00	-32.44	---	---	AVG
3	1753.9245	50.98	-5.07	45.91	74.00	-28.09	---	---	peak
4	1753.9245	30.62	-5.07	25.55	54.00	-28.45	---	---	AVG
5*	2454.2246	65.31	-2.67	62.64	74.00	-11.36	---	---	peak
6	2454.2246	44.79	-2.67	42.12	54.00	-11.88	---	---	AVG
7	3969.2380	45.95	1.17	47.12	74.00	-26.88	---	---	peak
8	3969.2380	26.04	1.17	27.21	54.00	-26.79	---	---	AVG
9	4695.2511	45.15	2.76	47.91	74.00	-26.09	---	---	peak
10	4695.2511	24.35	2.76	27.11	54.00	-26.89	---	---	AVG
11	11065.3233	52.57	3.90	56.47	74.00	-17.53	---	---	peak
12	11065.3233	32.23	3.90	36.13	54.00	-17.87	---	---	AVG

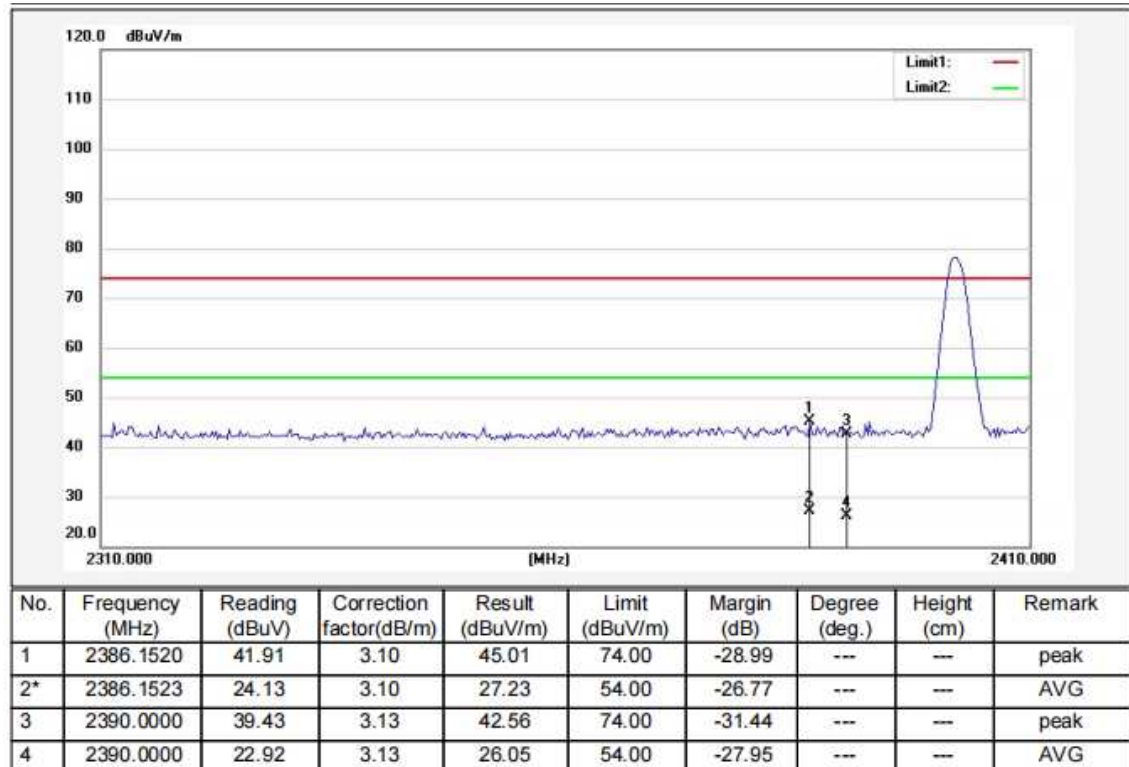
Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

BDR

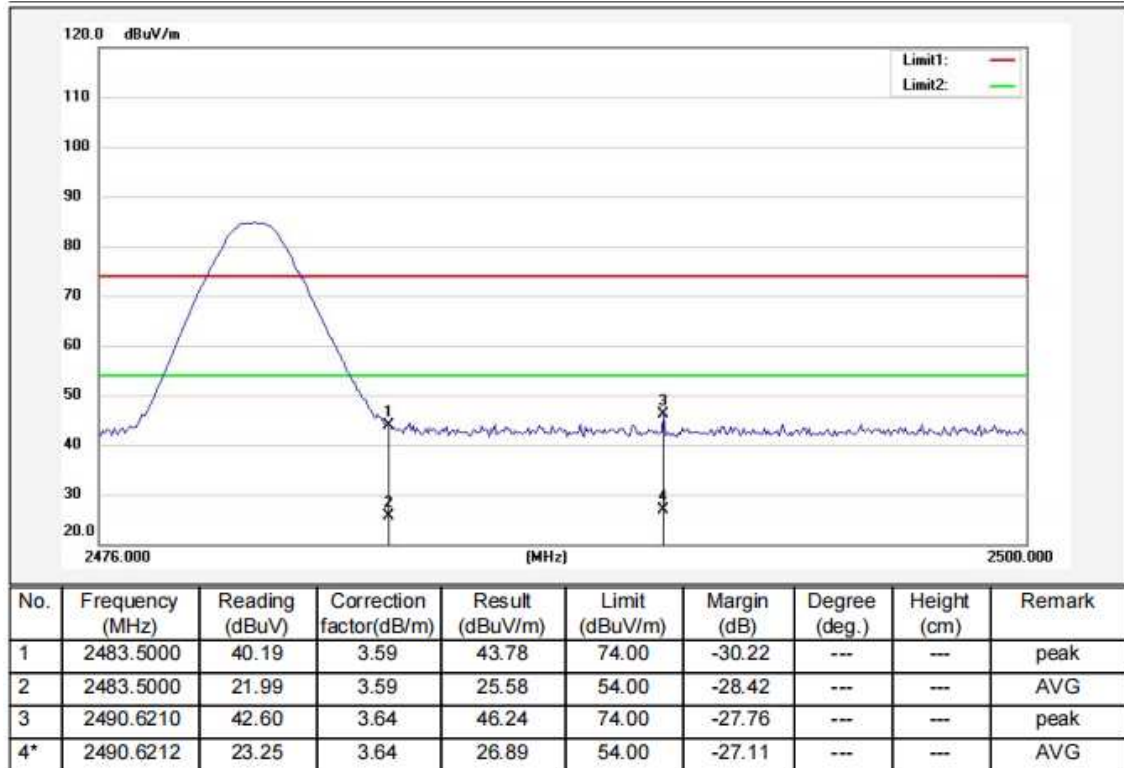
Low Channel DH1 Horizontal



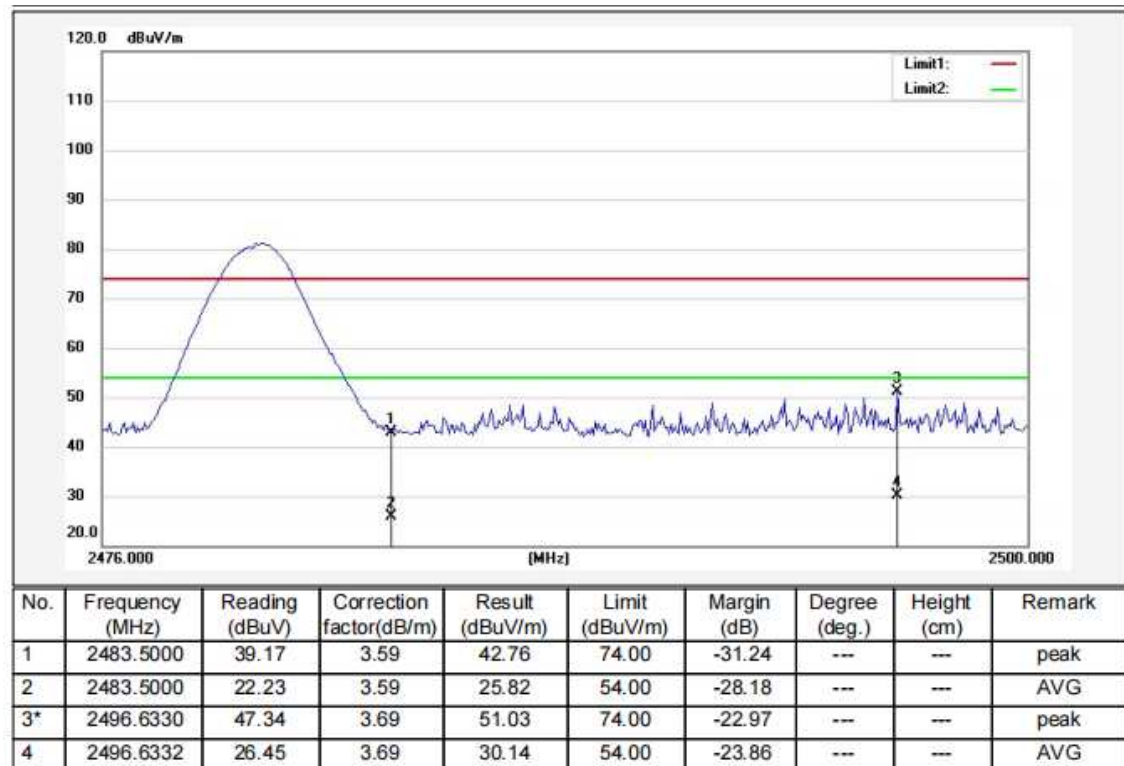
Low Channel DH1 Vertical



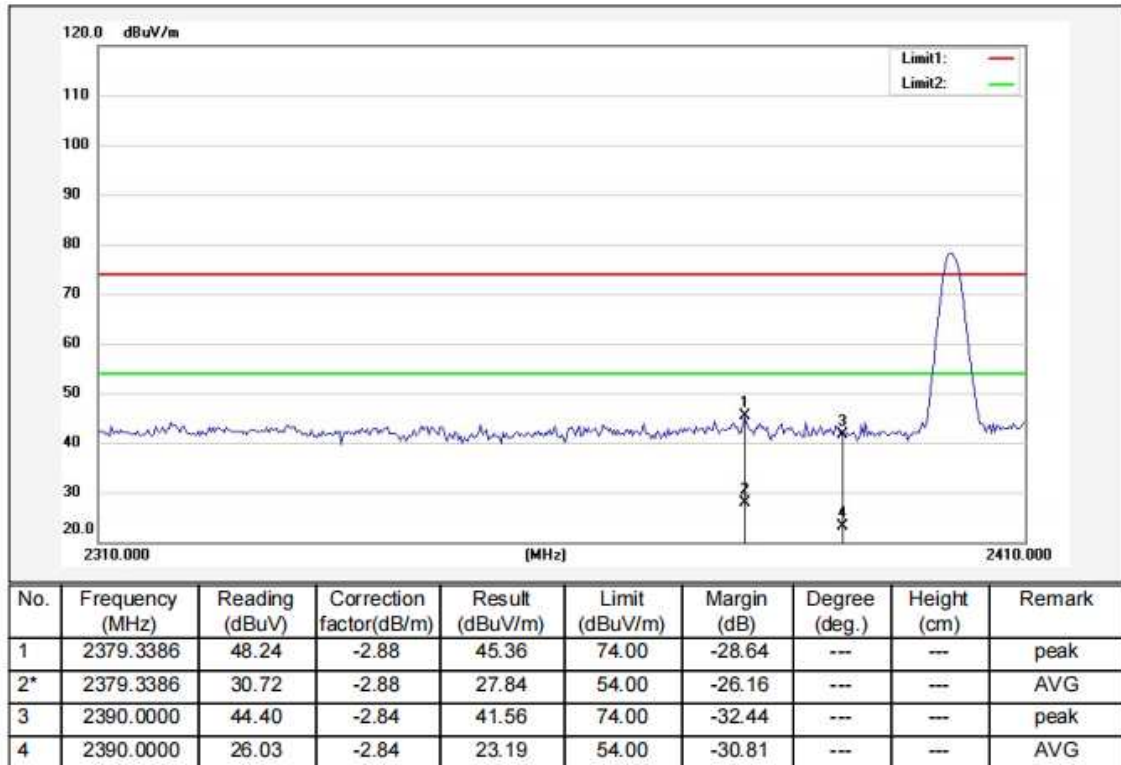
High Channel DH1 Horizontal



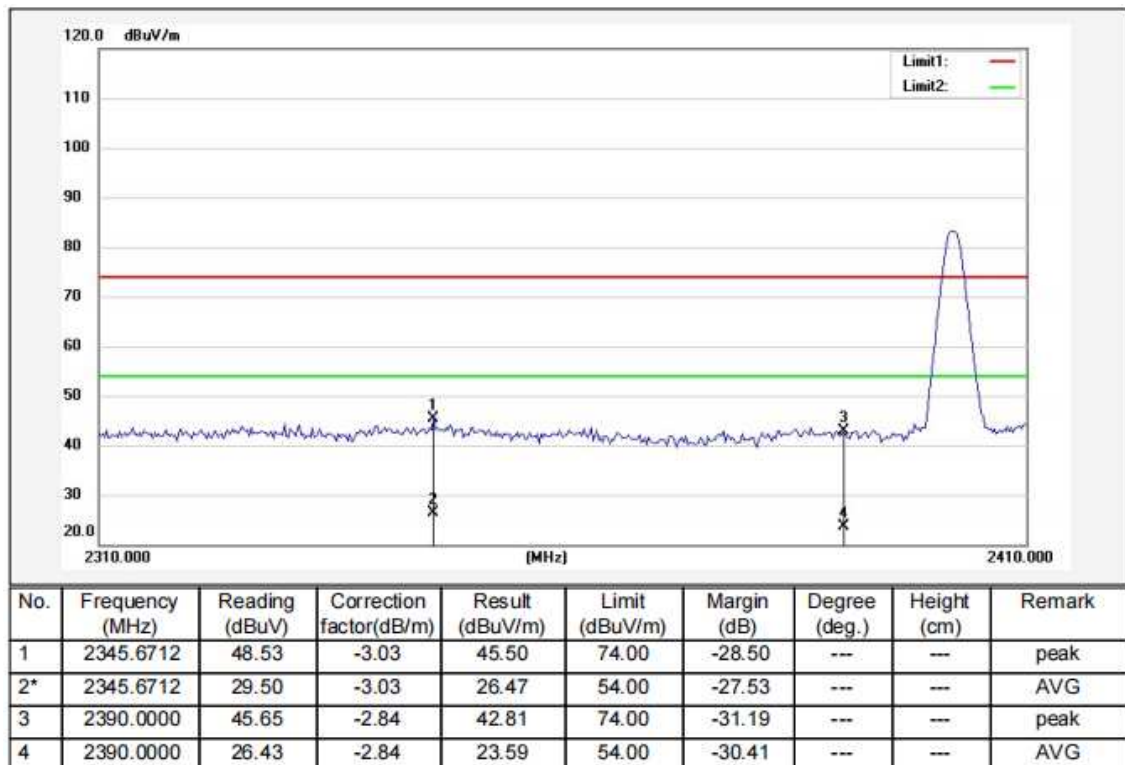
High Channel DH1 Vertical



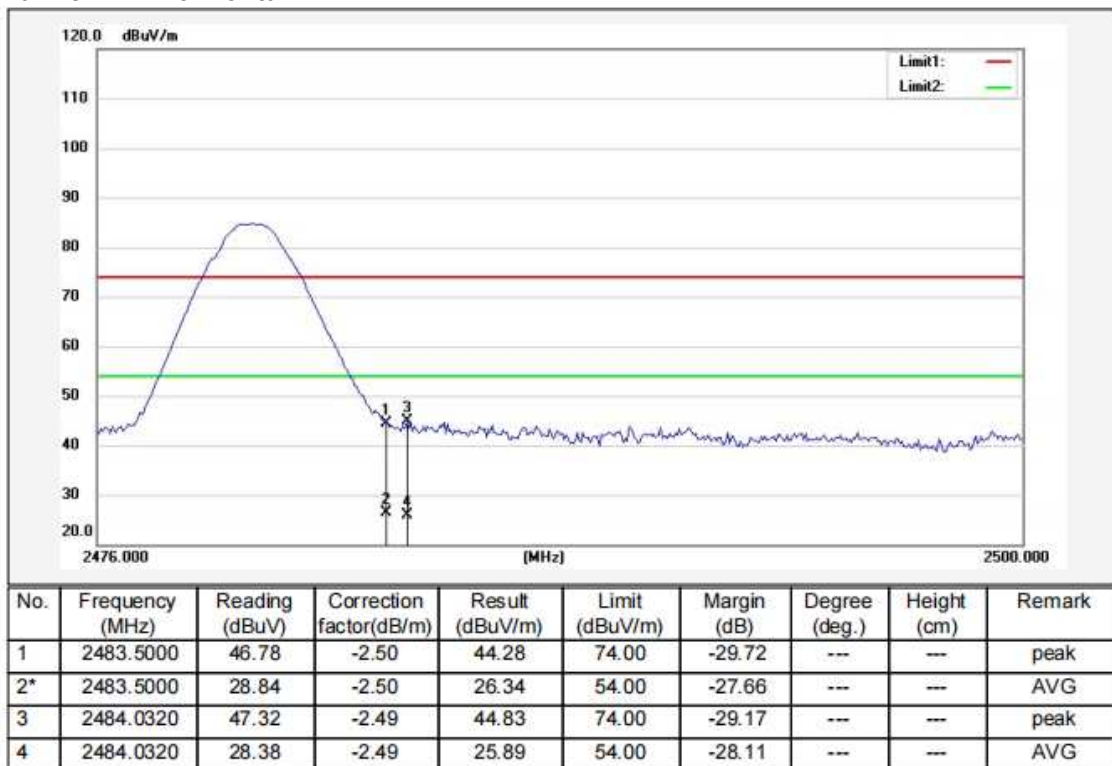
EDR
Low Channel DH1 Horizontal



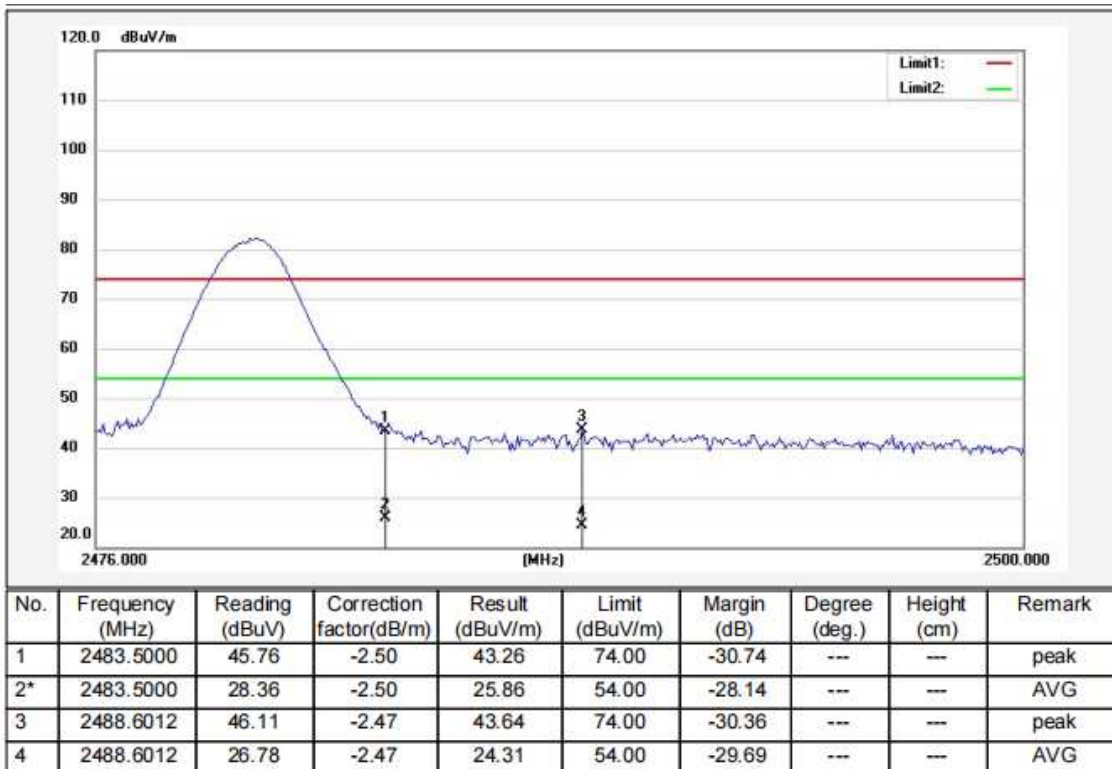
Low Channel DH1 Vertical



High Channel DH1 Horizontal



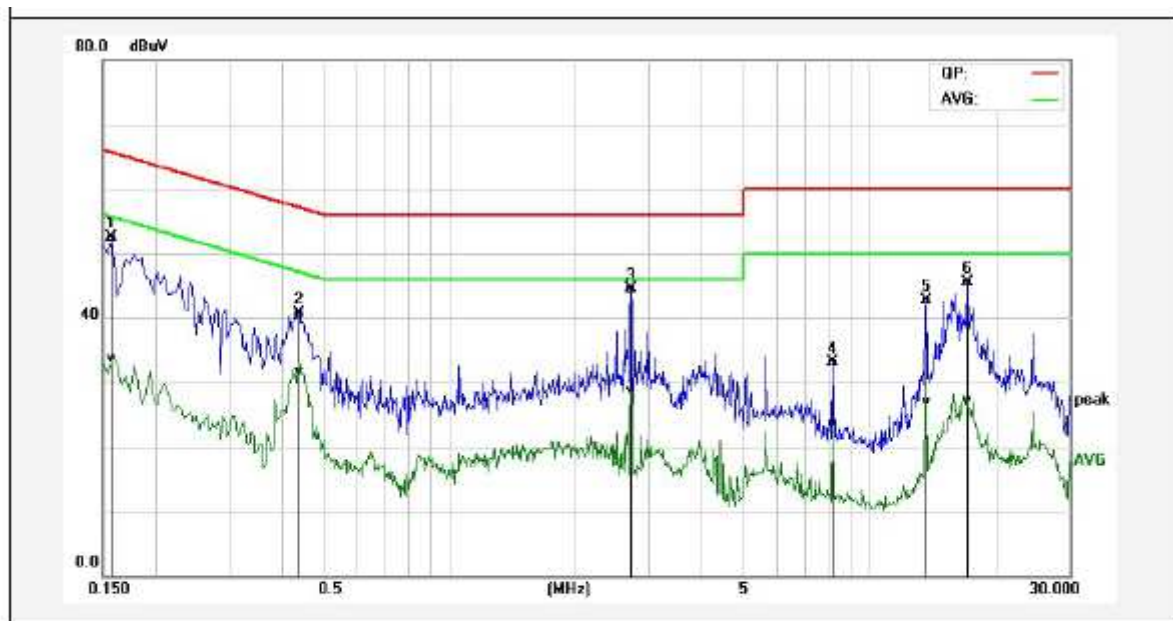
High Channel DH1 Vertical



Appendix B.9: Test Results of Conducted Emission on AC Mains

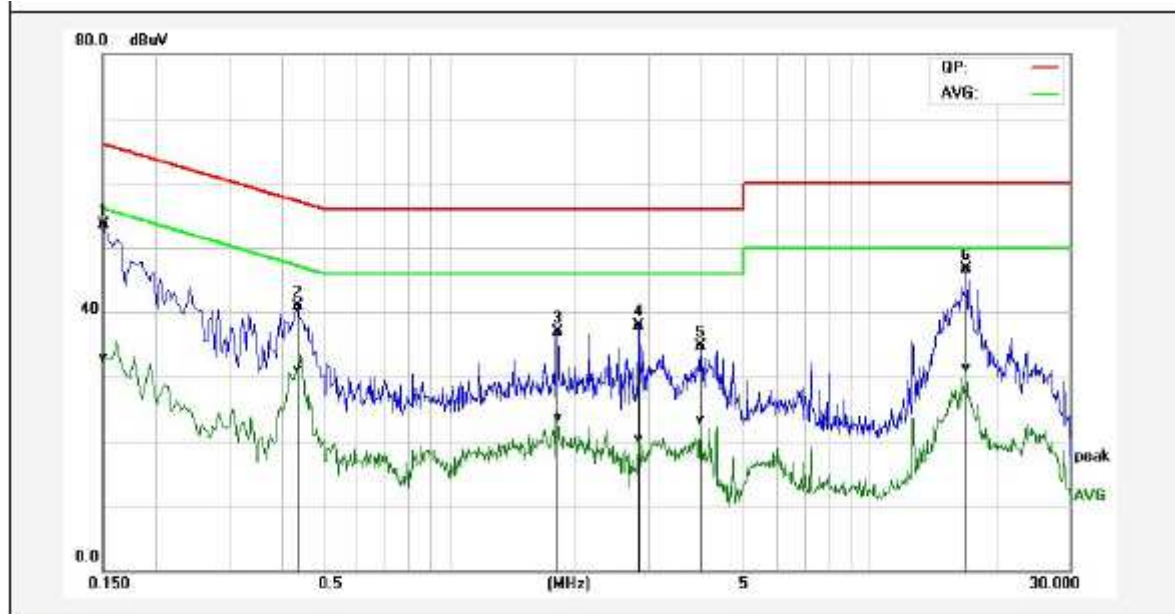
working mode

L



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1P	0.1580	42.62	23.95	9.85	52.47	33.80	65.56	55.57	-13.09	-21.77	Pass
2P	0.4380	31.18	22.24	9.53	40.71	31.77	57.10	47.10	-16.39	-15.33	Pass
3*	2.7260	34.88	19.02	9.60	44.48	28.62	56.00	46.00	-11.52	-17.38	Pass
4P	8.1860	23.31	13.73	9.71	33.02	23.44	60.00	50.00	-26.98	-26.56	Pass
5P	13.6340	32.73	16.81	10.00	42.73	26.81	60.00	50.00	-17.27	-23.19	Pass
6P	17.1299	35.48	17.03	10.04	45.52	27.07	60.00	50.00	-14.48	-22.93	Pass

N



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1*	0.1500	43.95	23.25	9.60	53.55	32.85	65.99	56.00	-12.44	-23.15	Pass
2P	0.4380	31.36	21.61	9.53	40.89	31.14	57.10	47.10	-16.21	-15.96	Pass
3P	1.6220	27.36	13.90	9.62	36.98	23.52	56.00	46.00	-19.02	-22.48	Pass
4P	2.8540	28.27	10.72	9.68	37.95	20.40	56.00	46.00	-18.05	-25.60	Pass
5P	3.9980	25.05	13.50	9.75	34.80	23.25	56.00	46.00	-21.20	-22.75	Pass
6P	17.0340	36.75	21.23	10.02	46.77	31.25	60.00	50.00	-13.23	-18.75	Pass