

Appendix B: Test Results

APPENDIX B: TEST RESULTS	1
APPENDIX B.1: MEASUREMENT EQUIPMENT LIST.....	2
APPENDIX B.2: 99% BANDWIDTH & 20dB BANDWIDTH	3
<i>Low Channel of BDR mode.....</i>	<i>3</i>
<i>Middle Channel of BDR mode</i>	<i>3</i>
<i>High Channel of BDR mode.....</i>	<i>4</i>
<i>Low Channel of EDR mode</i>	<i>4</i>
<i>Middle Channel of EDR mode</i>	<i>5</i>
<i>High Channel of EDR mode</i>	<i>5</i>
APPENDIX B.3: CARRIER FREQUENCY SEPARATION	6
BDR MODE	6
EDR MODE	6
APPENDIX B.4: NUMBER OF HOPPING FREQUENCY	7
BDR MODE	7
EDR MODE	7
APPENDIX B.5: TIME OF OCCUPANCY	8
BDR MODE	8
EDR MODE	8
APPENDIX B.6: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH.....	9
<i>Low Channel of BDR mode.....</i>	<i>9</i>
<i>Middle Channel of BDR mode</i>	<i>9</i>
<i>High Channel of BDR mode.....</i>	<i>10</i>
<i>Low Channel of EDR mode</i>	<i>10</i>
<i>Middle Channel of EDR mode</i>	<i>11</i>
<i>High Channel of EDR mode</i>	<i>11</i>
<i>Band Edge, Low Channel of BDR mode.....</i>	<i>12</i>
<i>Band Edge, Low Channel of EDR mode</i>	<i>13</i>
<i>Band Edge of BDR hopping mode</i>	<i>14</i>
APPENDIX B.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	16
30MHz - 1GHz	16
1GHz - 25GHz	28
APPENDIX B.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	40
<i>High Channel of BDR mode.....</i>	<i>41</i>
<i>Low Channel of EDR mode</i>	<i>42</i>
<i>High Channel of EDR mode</i>	<i>43</i>
APPENDIX B.9: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	44

Appendix B.1: Measurement Equipment List



Measurement Equipment List

Testing Start Date 10.07.2019
Testing end date 01.08.2019

Project Manager Storm Shu
Cost Center 144
Test Report Number 50279852 001
Order Item Number 0170109244A00210

Customer Alllike

Comment

Page 1 of 1

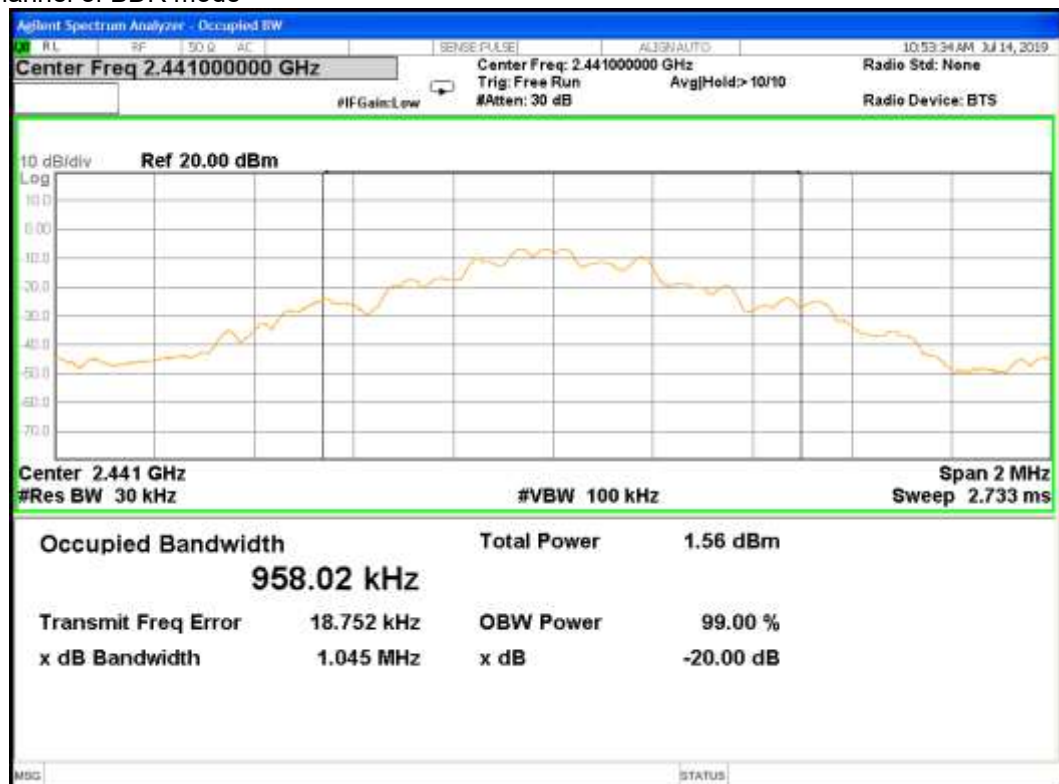
Old ID	Equip.	Description	Model	Manufacturer	Inte. (mon)	Due Date DD.MM.YYYY
1.887	1813944	EMI Test Receiver	ESCI	Rohde & Schwarz	12	15.03.2020
1.888	1813943	Two-Line V-Network	ENV216	Rohde & Schwarz	12	24.05.2020
1.807	1813832	EMI Test Receiver	ESCI	Rohde & Schwarz	12	14.03.2020
1.805	1813829	FSP30 Spectrum Analyzer	FSP30	Rohde & Schwarz	12	15.08.2020
1.921B	1814142	Trilog Broadband Antenna	VULB9168(6dB)	SCHWARZBECK	24	20.09.2019
1.822	1813850	Loop Antenna	HFH2-Z2	Rohde & Schwarz	24	15.03.2021
1.889C	1814199	Double-Ridged Horn Antenna	HF907(3##)	Rohde & Schwarz	24	23.10.2020
1.808	1813833	Horn Antenna	3160-09	EMCO	60	19.01.2024
1.819C	1814068	Pre-Amplifier	A44-00101800-25-10P-	MITEQ	12	08.05.2020
1.819A	1813846	Band Reject Filter	BRM50702	Micro-Tronics	24	04.07.2020
1.808A	1813834	Pre-Amplifier	A33-18002650-30-8P-4	MITEQ	24	29.07.2021
1.866	1813697	SAC	N/A	Albatross Project	36	27.11.2021
1.913	1814012	Shielding Room	9x4x3.4	Changzhou Yuanping	60	08.12.2020
3.769	1814017	Regulated power supply	APS-33045TT	APS	12	15.07.2020
3.765	1814004	Frequency Invertor	APW-1100N	APE	12	15.07.2020
3.770	1814018	Regulated power supply	APS-11020	APS	12	15.07.2020
3.647	1822646	Stable Power Supply	APS-11010GG	APS	12	15.07.2020
1.844	1813877	Automatic Voltage Regulator	AFR-345	Allpower	12	26.04.2020
3.648	1822647	Frequency Invertor	CIF-6000A	IDRC	12	15.07.2020
1.803C	1822648	Artificial Mains Network	LT32C/10	AFJ	12	30.07.2020
1.923B	1825388	EMI Test Receiver	ESR7	Rohde & Schwarz	12	08.04.2020
1.857N	1825384	Power Meter	NRX	Rohde & Schwarz	12	08.04.2020
1.857O	1825385	Average Power Sensor	NRP6A	Rohde & Schwarz	12	08.04.2020
1.857P	1825386	Average Power Sensor	NRP6A	Rohde & Schwarz	12	08.04.2020

Appendix B.2: 99% Bandwidth & 20dB Bandwidth

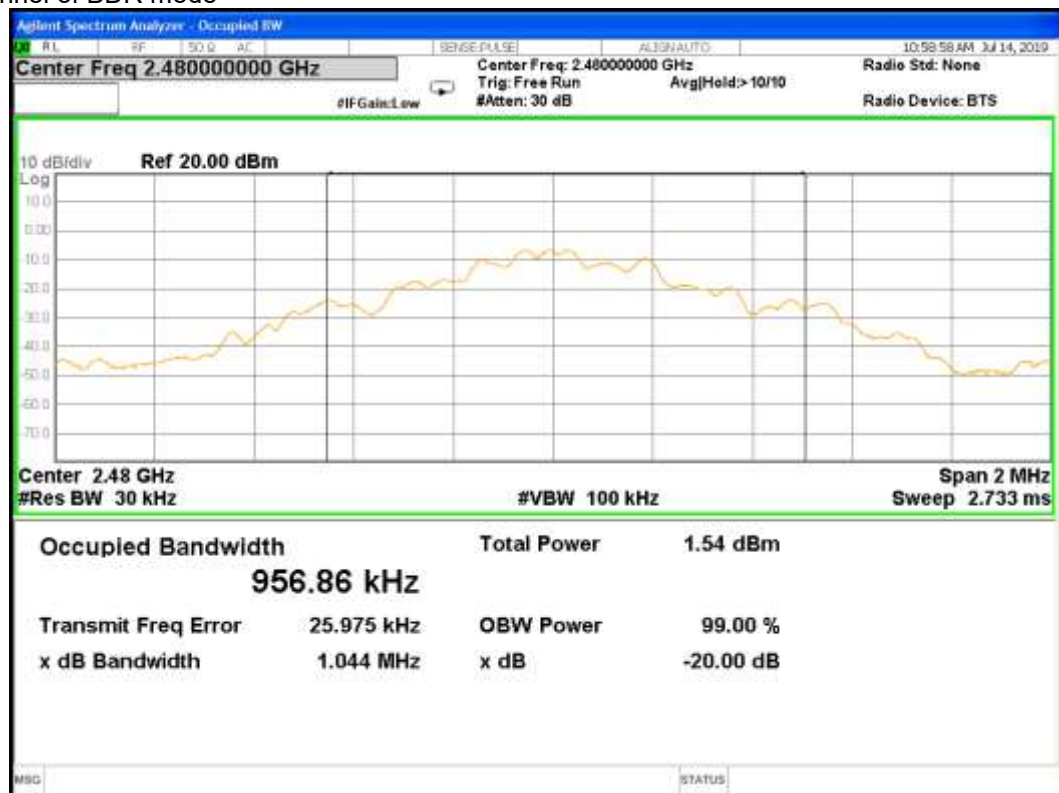
Low Channel of BDR mode



Middle Channel of BDR mode



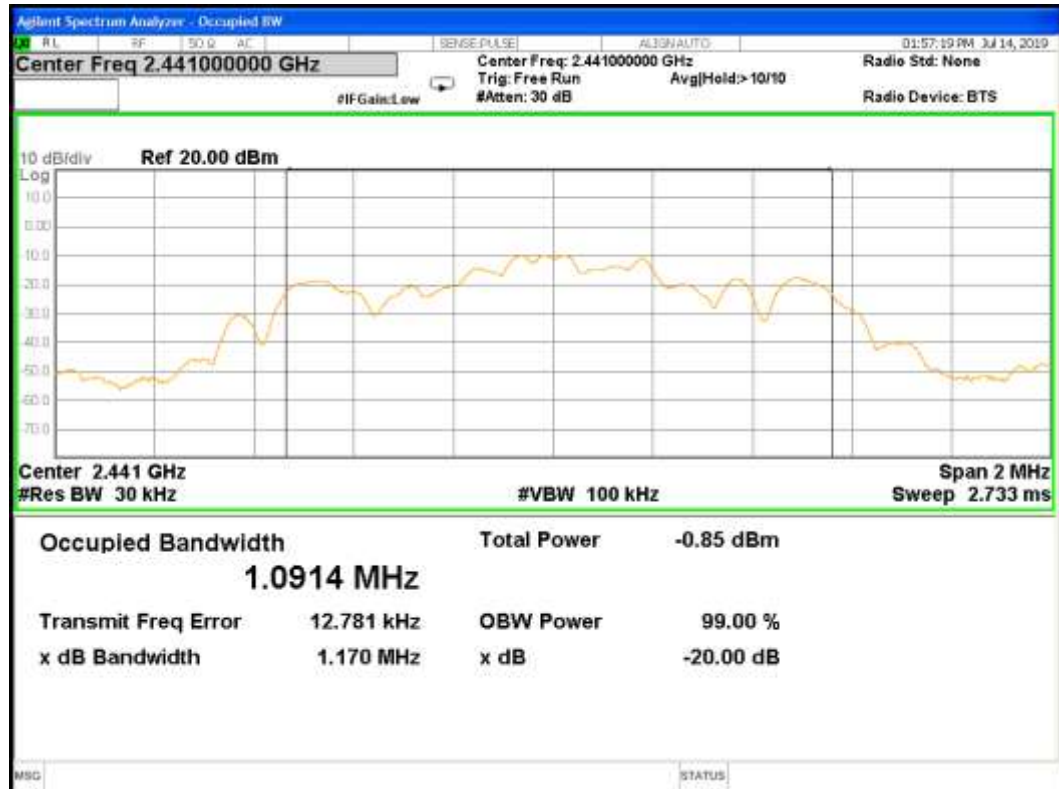
High Channel of BDR mode



Low Channel of EDR mode



Middle Channel of EDR mode



High Channel of EDR mode



Appendix B.3: Carrier Frequency Separation

BDR mode

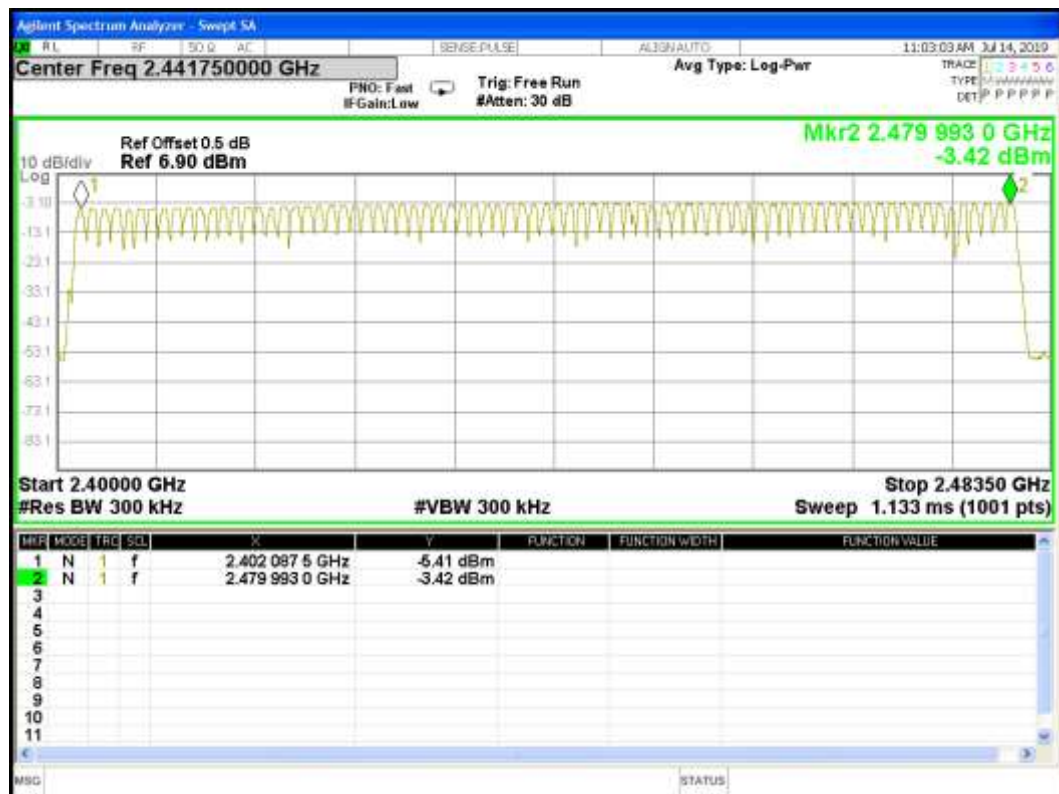


EDR mode



Appendix B.4: Number of Hopping Frequency

BDR mode

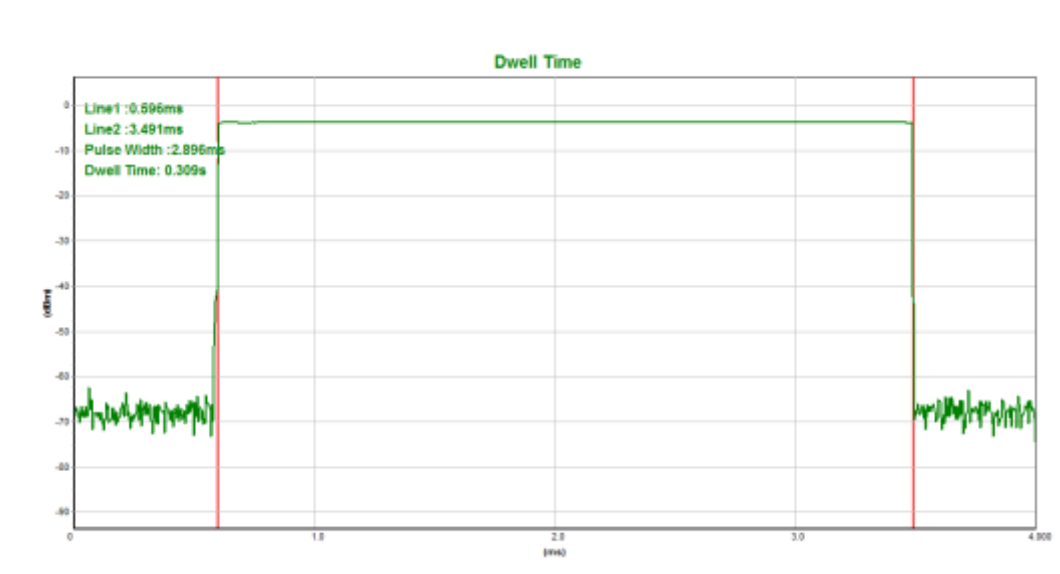


EDR mode

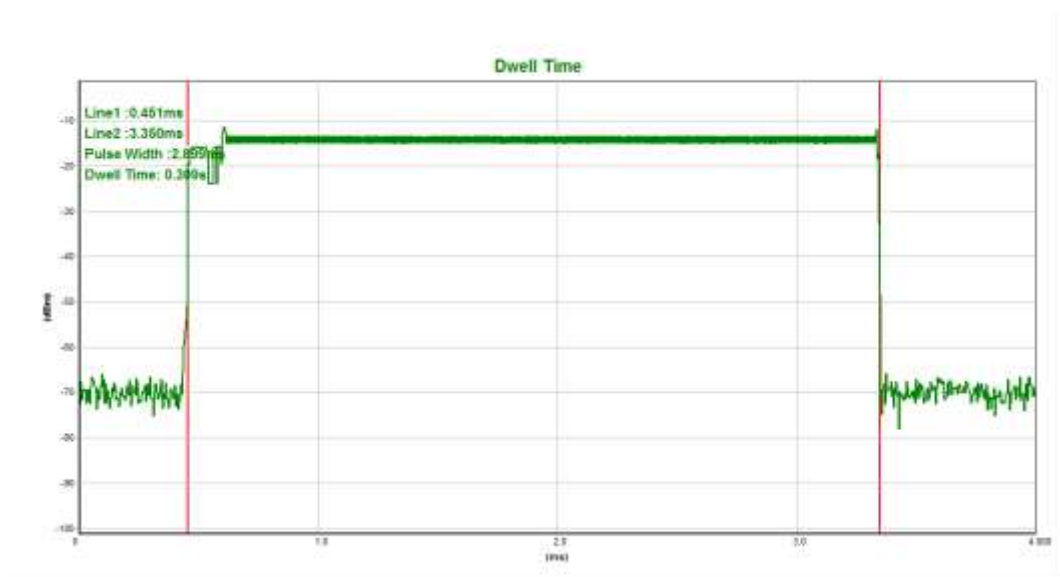


Appendix B.5: Time of Occupancy

BDR mode

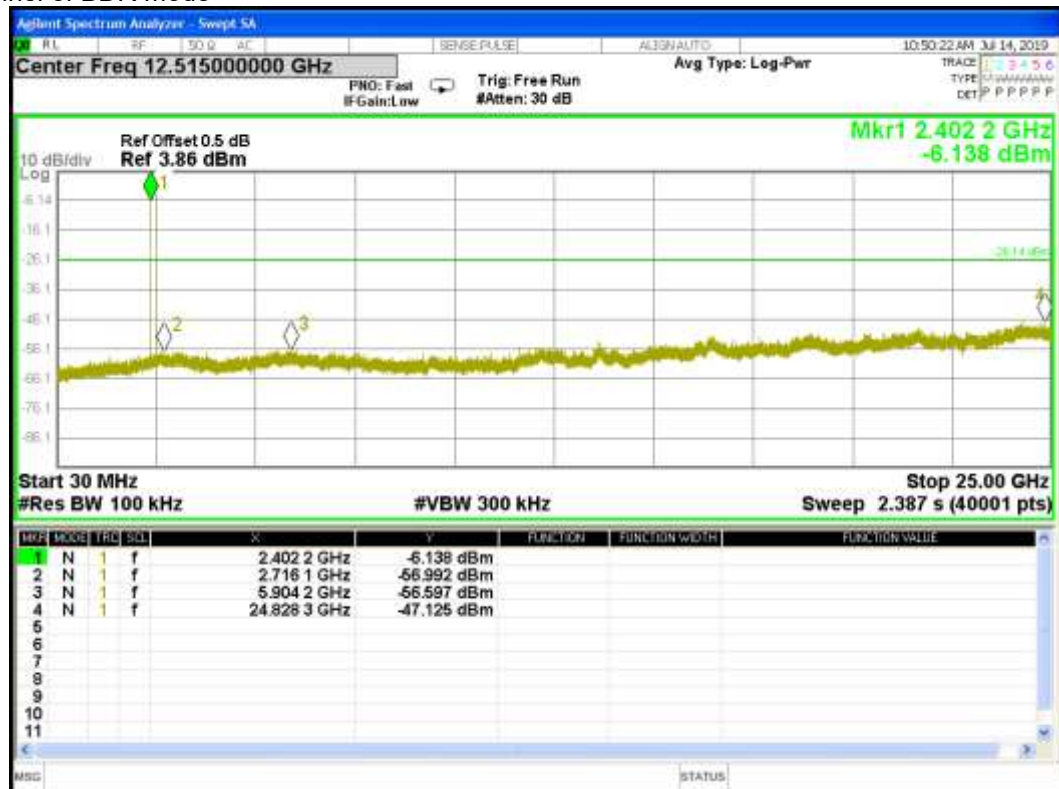


EDR mode

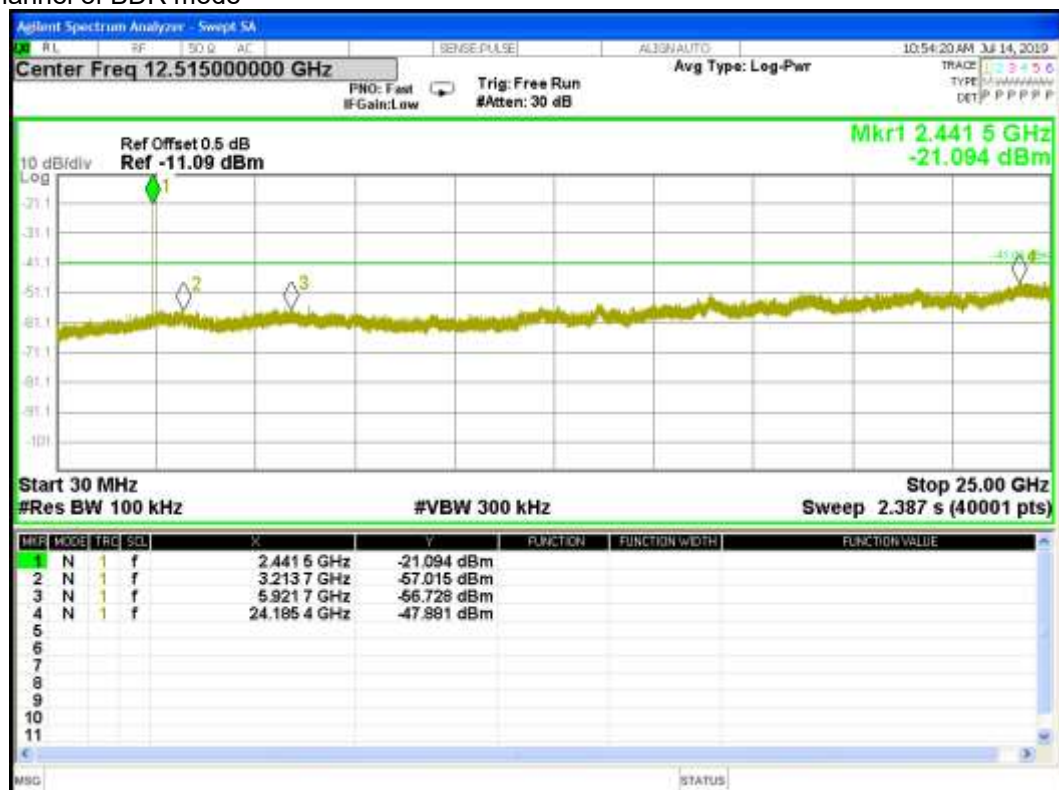


Appendix B.6: Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Low Channel of BDR mode



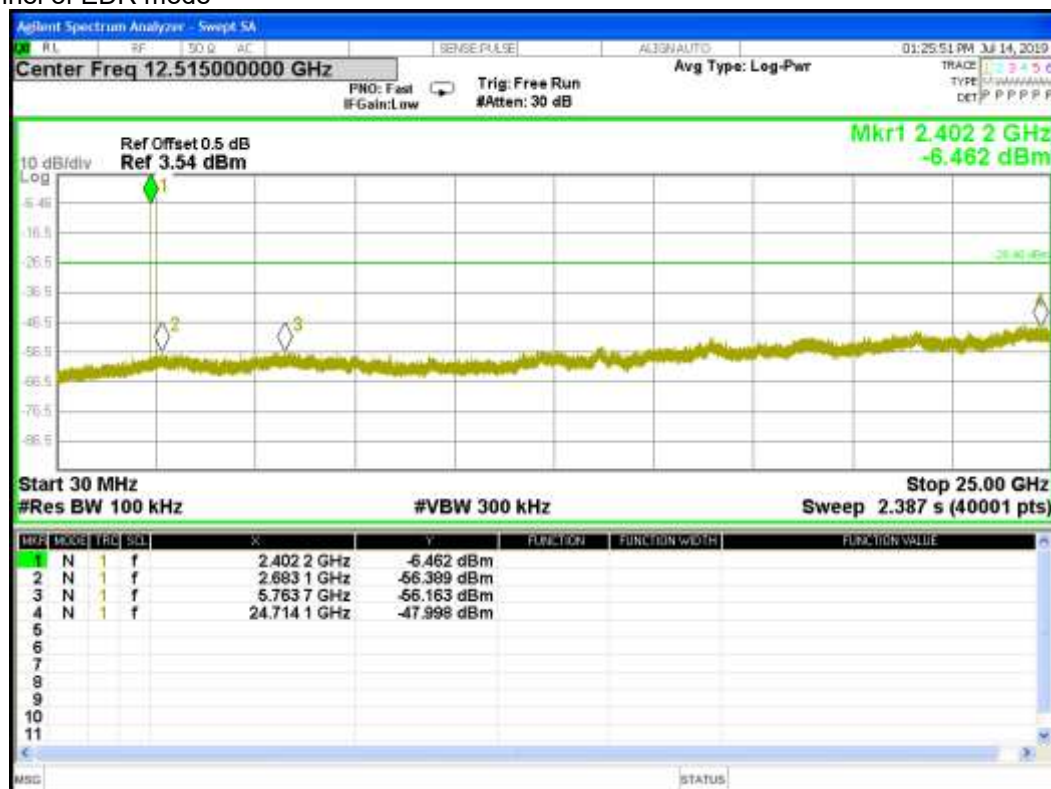
Middle Channel of BDR mode



High Channel of BDR mode



Low Channel of EDR mode



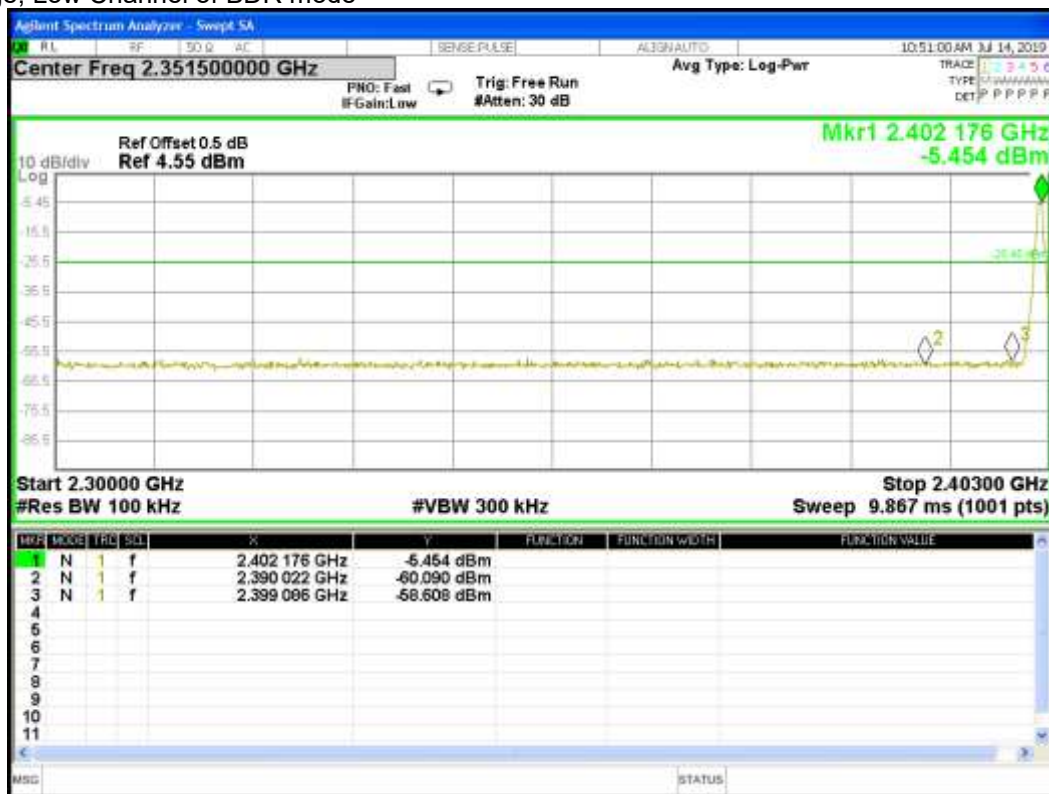
Middle Channel of EDR mode



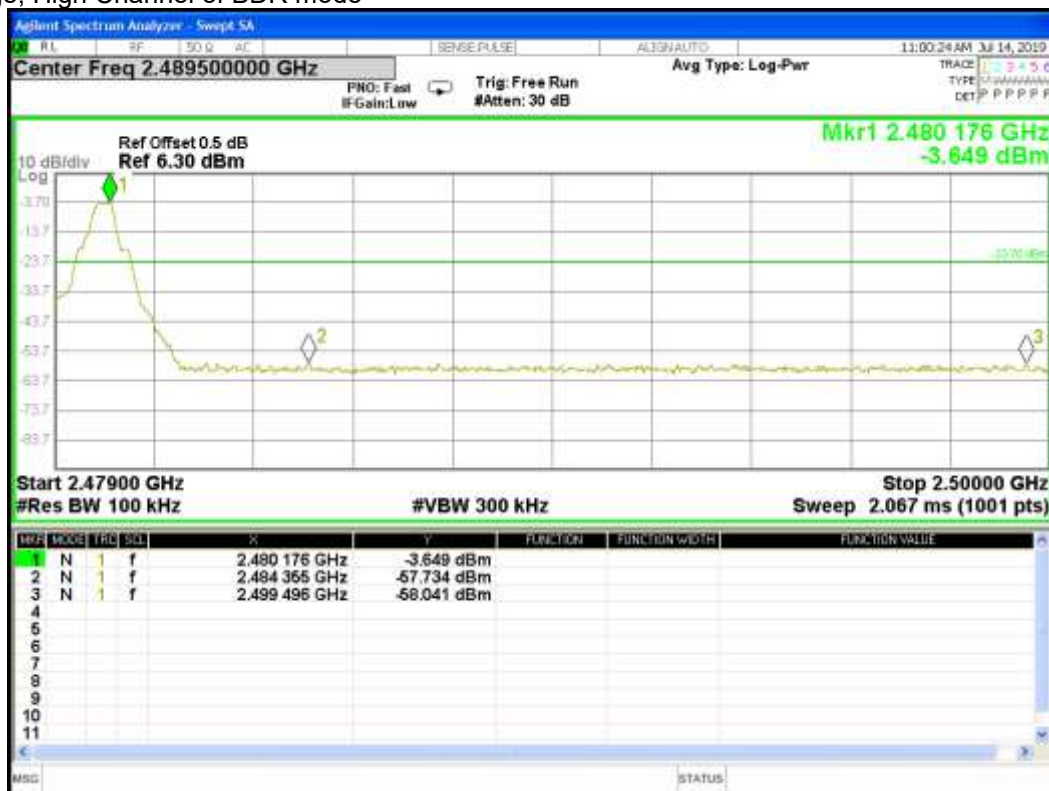
High Channel of EDR mode



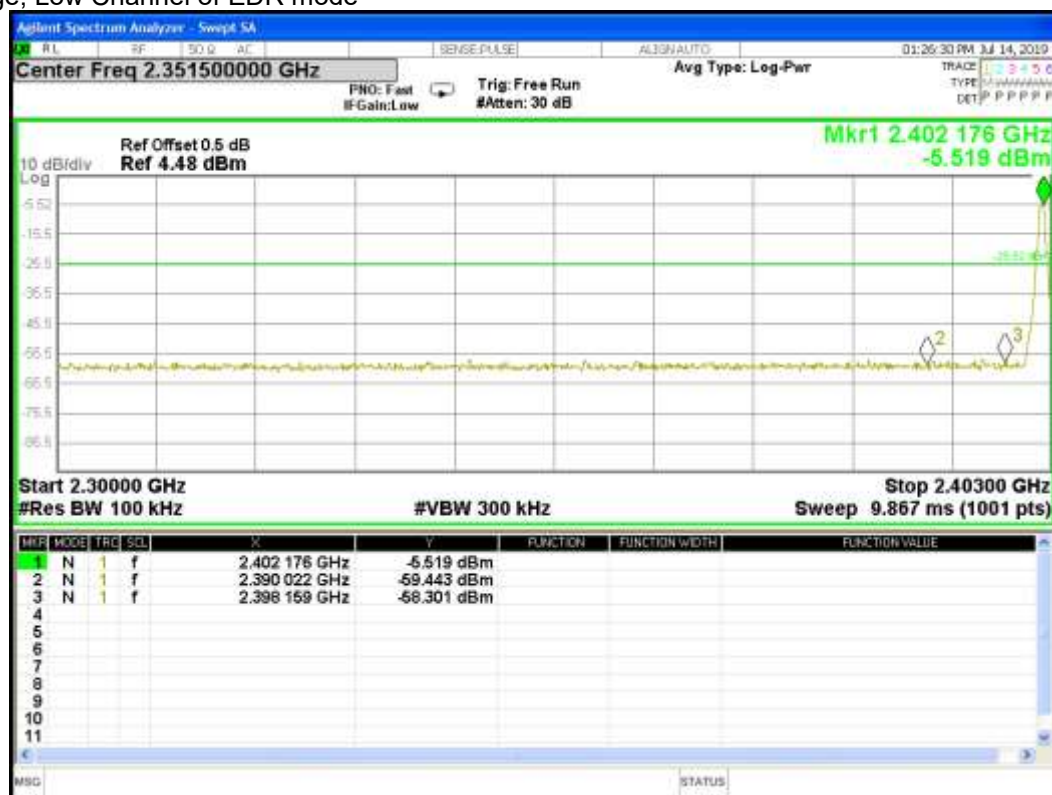
Band Edge, Low Channel of BDR mode



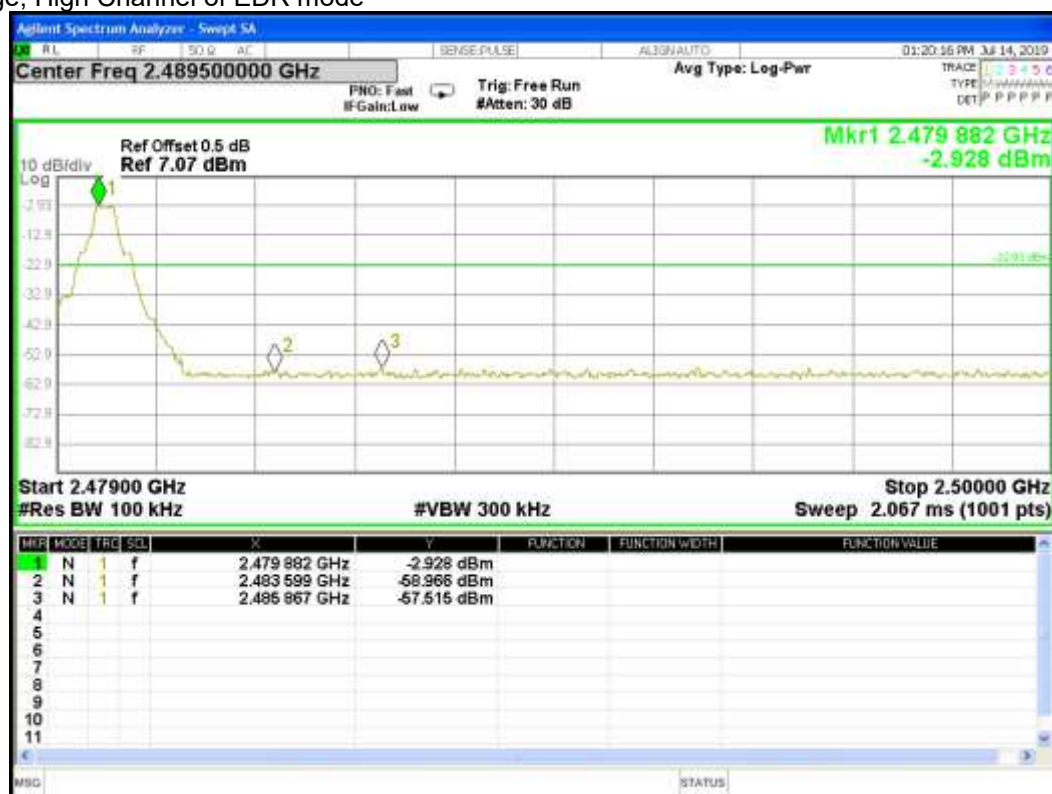
Band Edge, High Channel of BDR mode



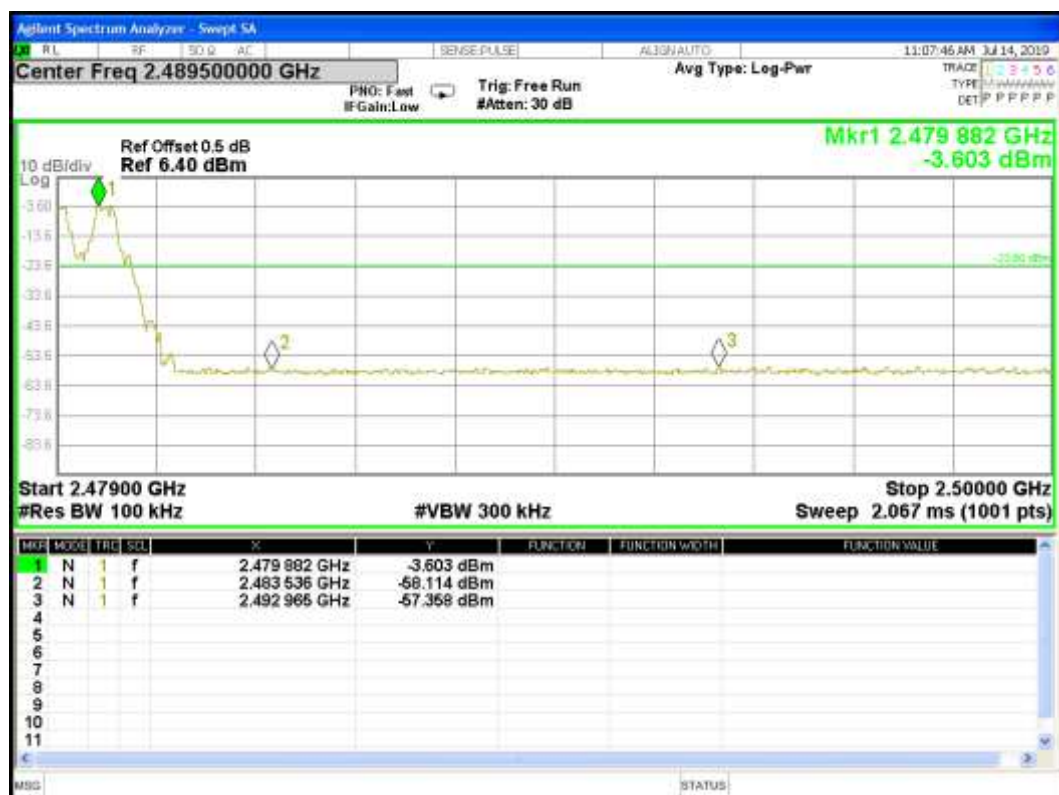
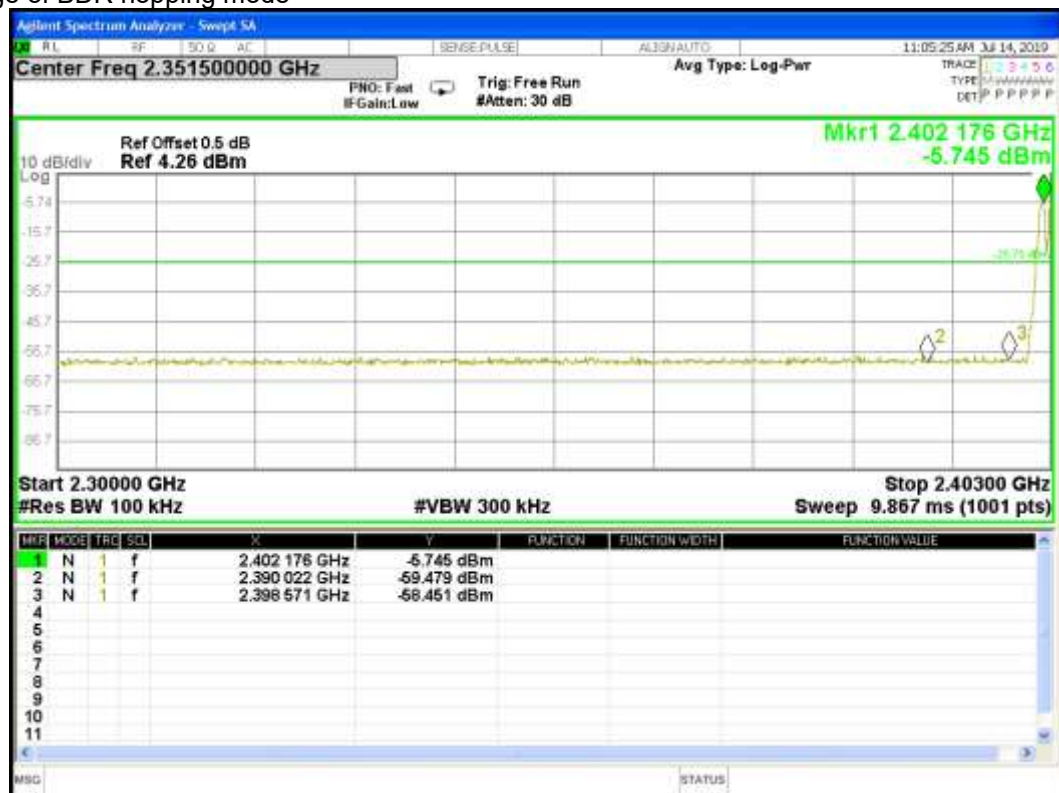
Band Edge, Low Channel of EDR mode



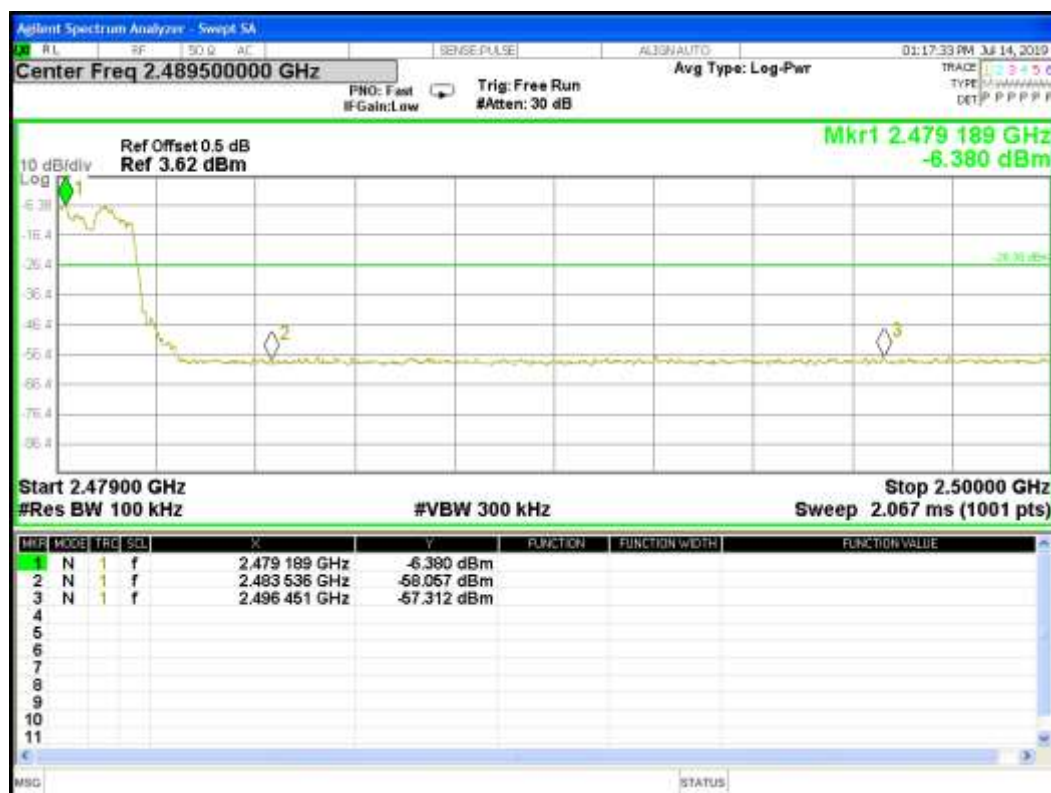
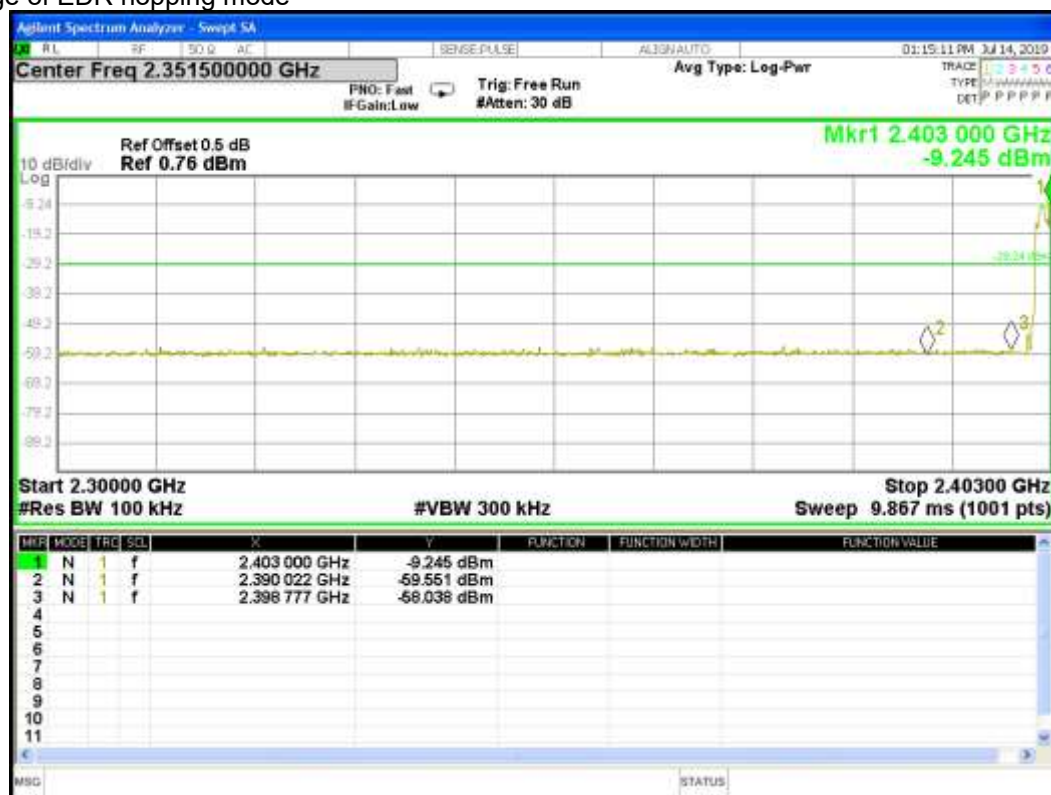
Band Edge, High Channel of EDR mode



Band Edge of BDR hopping mode



Band Edge of EDR hopping mode



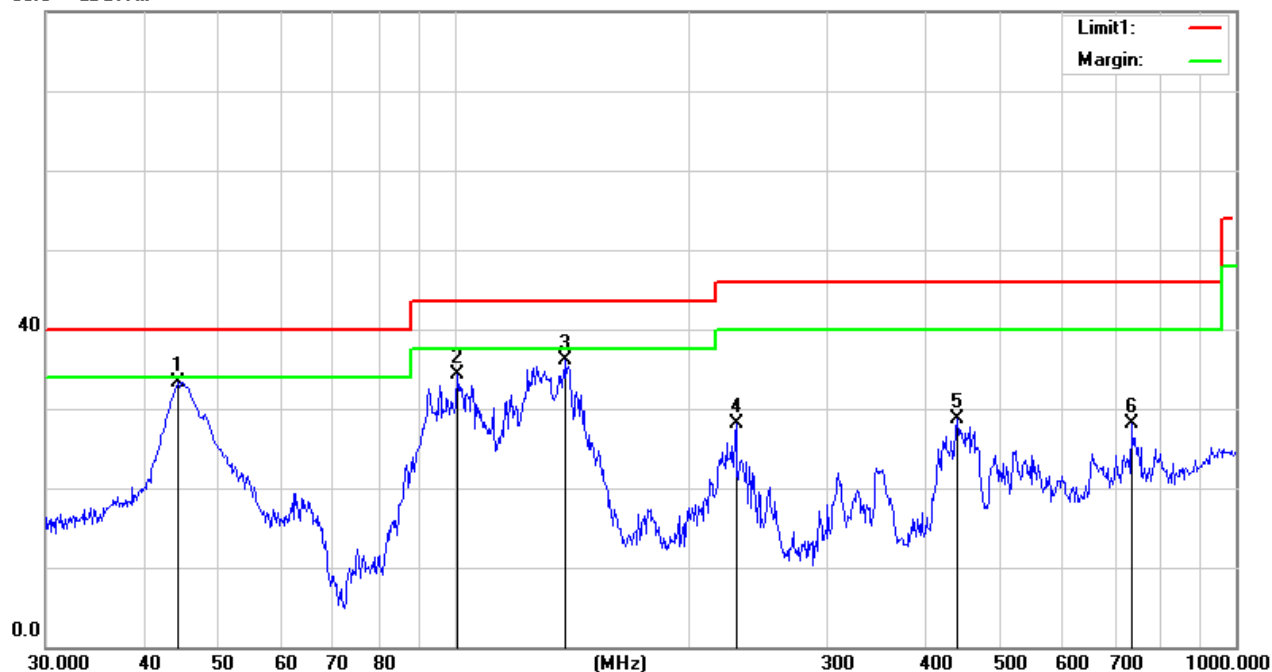
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 25GHz were reported.

Appendix B.7: Test Results of Radiated Spurious Emissions

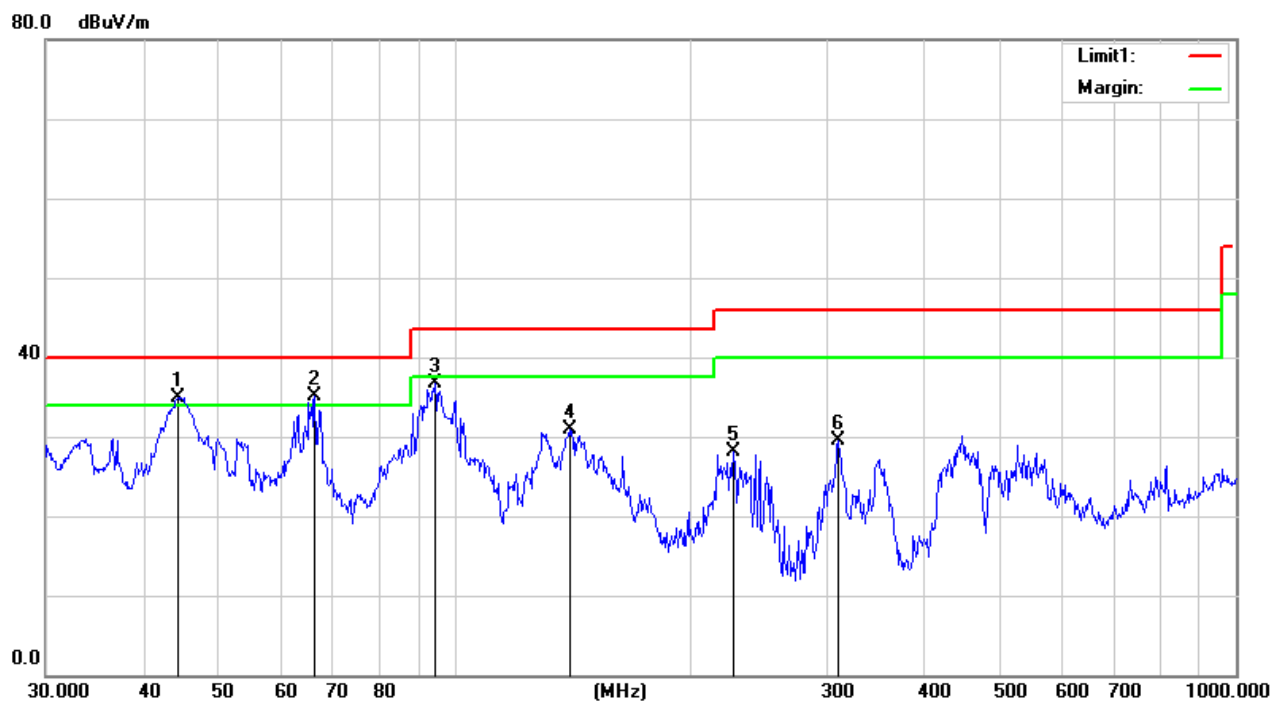
30MHz - 1GHz

Low Channel of BDR mode

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2752	52.18	-18.86	33.32	40.00	-6.68	QP
2	100.9340	54.40	-20.13	34.27	43.50	-9.23	QP
3	138.8735	55.13	-18.93	36.20	43.50	-7.30	QP
4	229.2931	47.44	-19.38	28.06	46.00	-17.94	QP
5	440.1963	42.22	-13.57	28.65	46.00	-17.35	QP
6	734.4913	33.91	-5.74	28.17	46.00	-17.83	QP

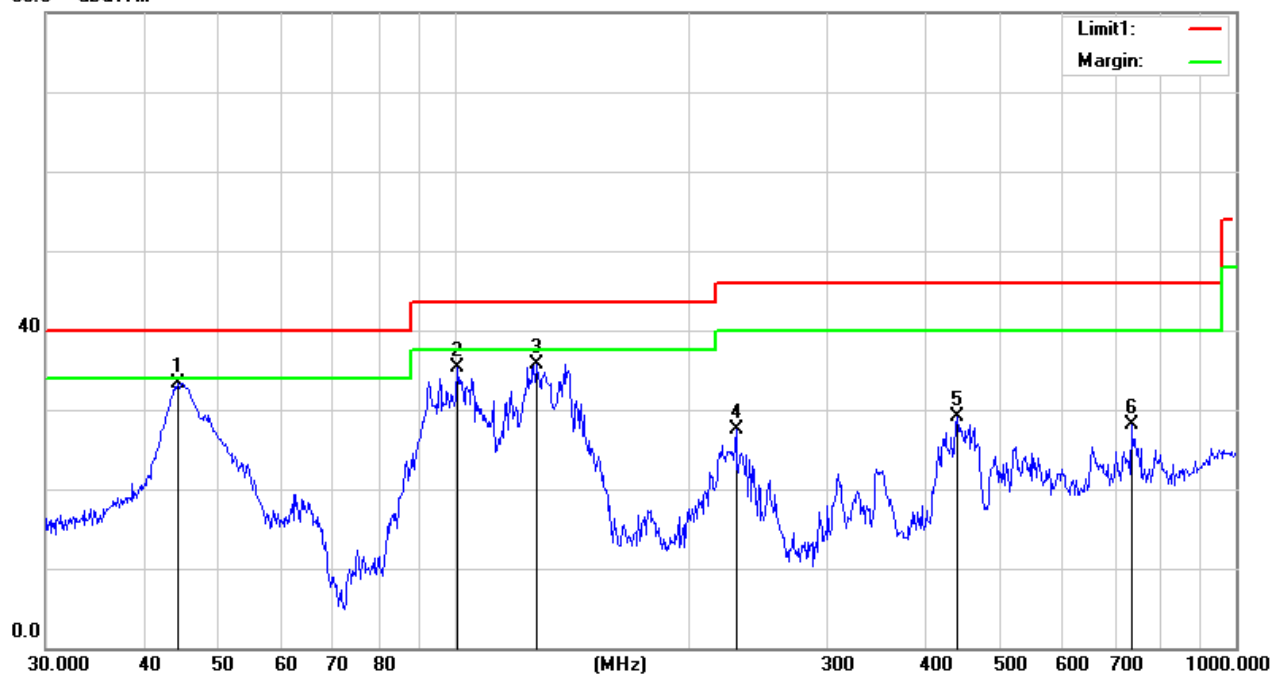


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	54.75	-19.76	34.99	40.00	-5.01	QP
2	66.2660	60.45	-25.33	35.12	40.00	-4.88	QP
3	94.4282	57.96	-21.33	36.63	43.50	-6.87	QP
4	140.3420	50.18	-19.23	30.95	43.50	-12.55	QP
5	227.6904	48.50	-20.47	28.03	46.00	-17.97	QP
6	309.9977	46.03	-16.59	29.44	46.00	-16.56	QP

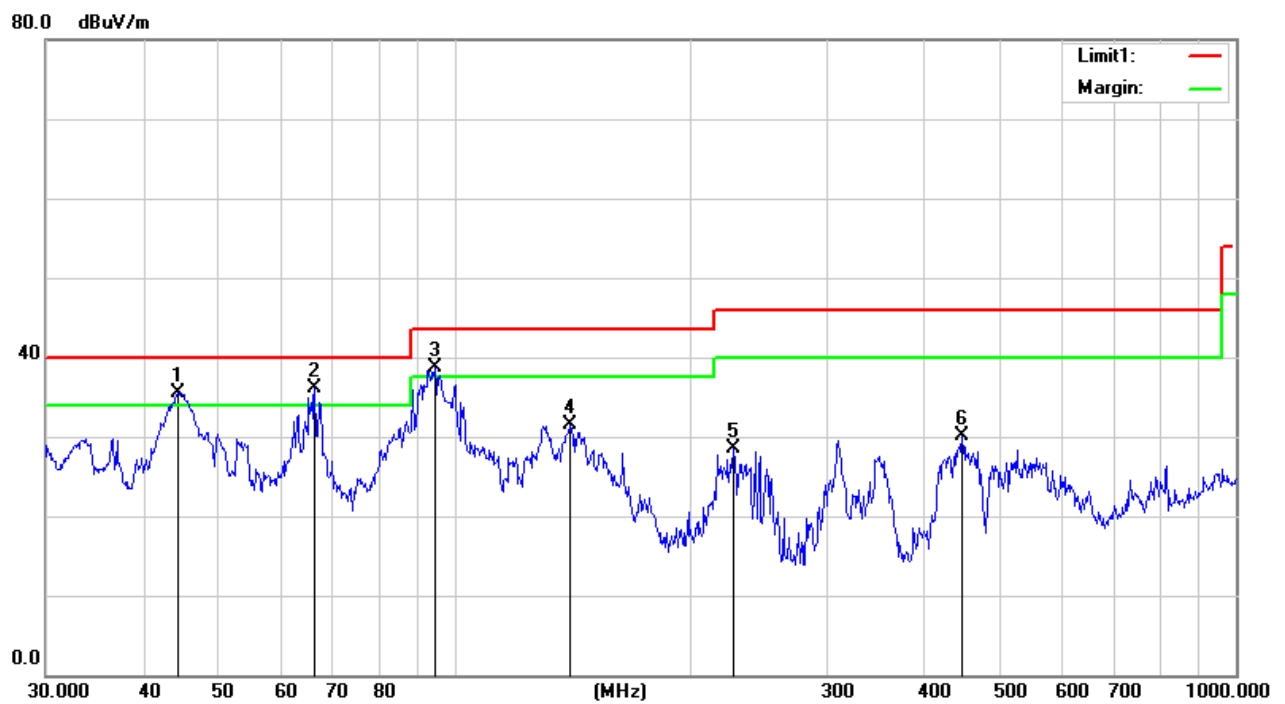
Produkte
Products

Middle Channel of BDR mode

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	52.18	-18.86	33.32	40.00	-6.68	QP
2	100.9340	55.40	-20.13	35.27	43.50	-8.23	QP
3	127.2176	54.06	-18.33	35.73	43.50	-7.77	QP
4	229.2931	46.94	-19.38	27.56	46.00	-18.44	QP
5	440.1963	42.72	-13.57	29.15	46.00	-16.85	QP
6	734.4913	33.91	-5.74	28.17	46.00	-17.83	QP

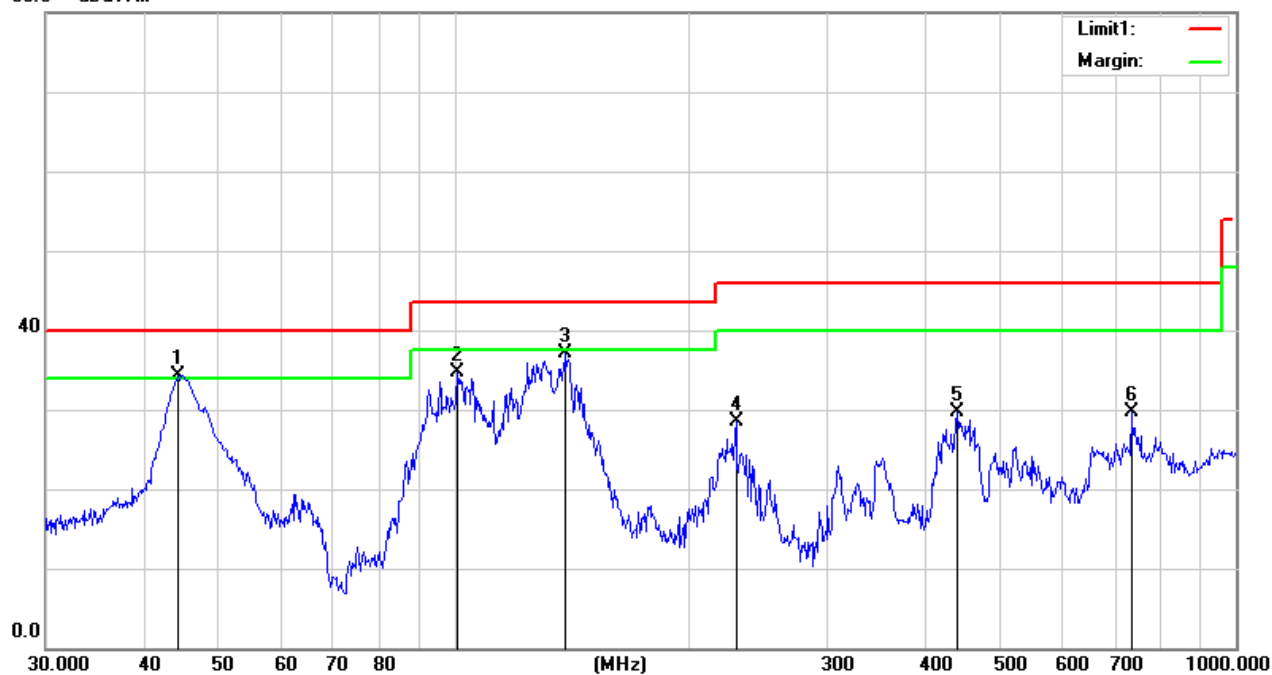


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	52.18	-18.86	33.32	40.00	-6.68	QP
2	100.9340	55.40	-20.13	35.27	43.50	-8.23	QP
3	127.2176	54.06	-18.33	35.73	43.50	-7.77	QP
4	229.2931	46.94	-19.38	27.56	46.00	-18.44	QP
5	440.1963	42.72	-13.57	29.15	46.00	-16.85	QP
6	734.4913	33.91	-5.74	28.17	46.00	-17.83	QP

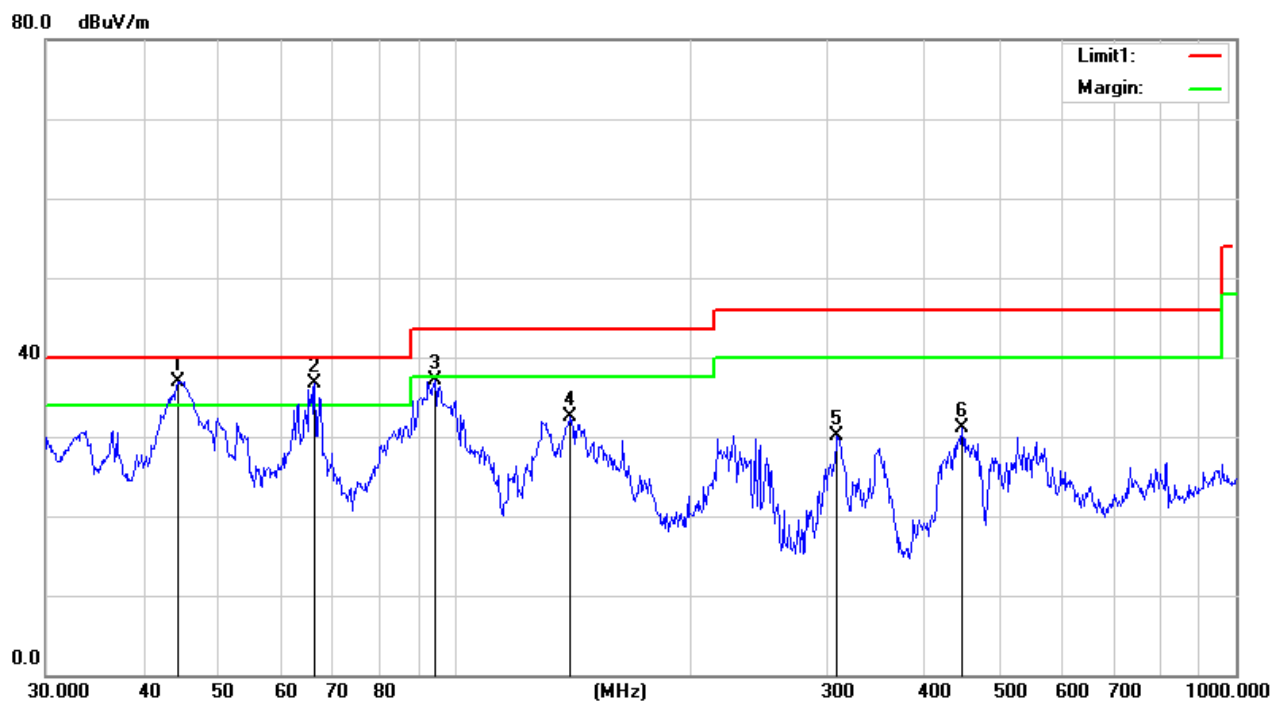
Produkte
Products

High Channel of BDR mode

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	53.18	-18.86	34.32	40.00	-5.68	QP
2	100.9340	54.90	-20.13	34.77	43.50	-8.73	QP
3	138.8735	56.13	-18.93	37.20	43.50	-6.30	QP
4	229.2931	47.94	-19.38	28.56	46.00	-17.44	QP
5	440.1963	43.22	-13.57	29.65	46.00	-16.35	QP
6	734.4913	35.41	-5.74	29.67	46.00	-16.33	QP

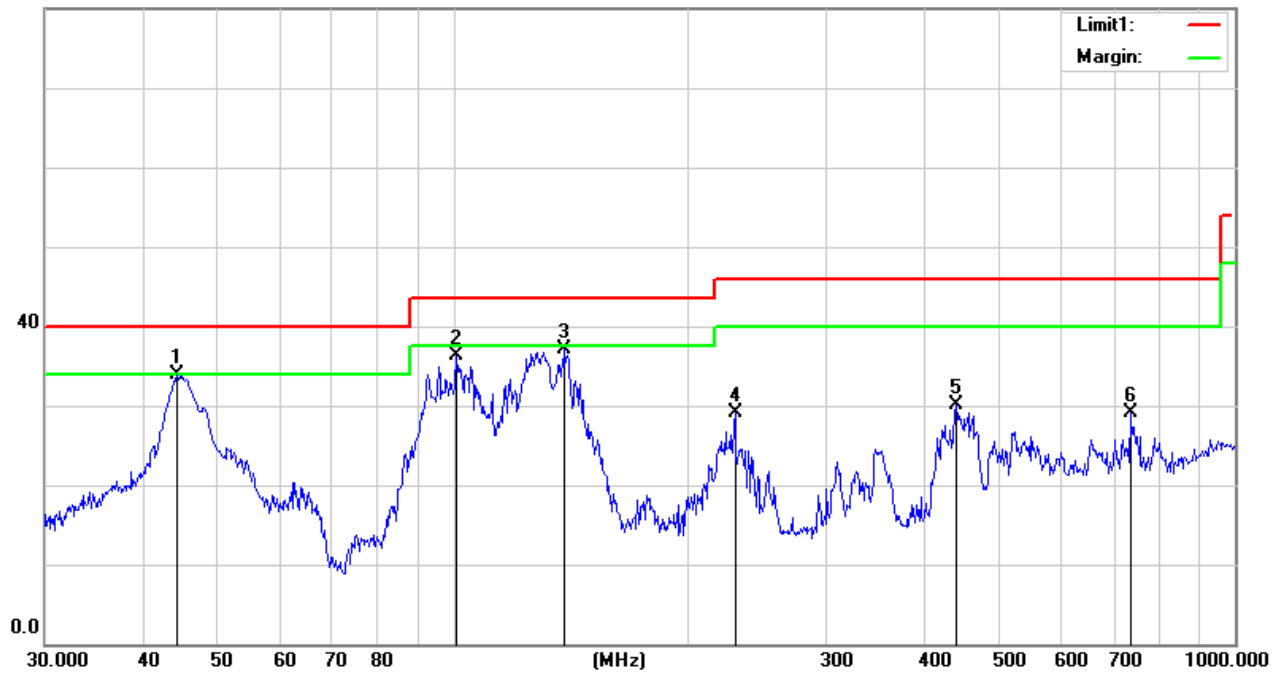


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	56.75	-19.76	36.99	40.00	-3.01	QP
2	66.2660	61.95	-25.33	36.62	40.00	-3.38	QP
3	94.4282	58.46	-21.33	37.13	43.50	-6.37	QP
4	140.3420	51.68	-19.23	32.45	43.50	-11.05	QP
5	308.9125	46.76	-16.62	30.14	46.00	-15.86	QP
6	446.4141	44.13	-13.05	31.08	46.00	-14.92	QP

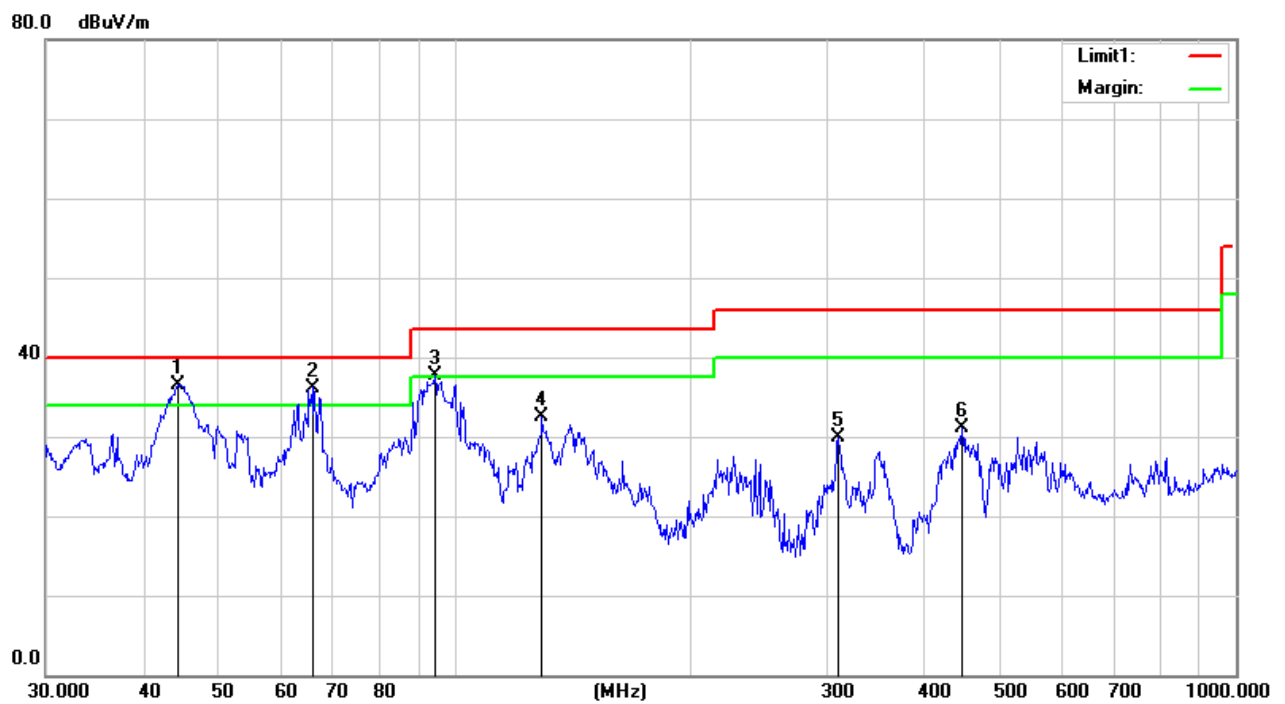
Produkte
Products

Low Channel of EDR mode

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	52.68	-18.86	33.82	40.00	-6.18	QP
2	100.9340	56.40	-20.13	36.27	43.50	-7.23	QP
3	138.8735	56.13	-18.93	37.20	43.50	-6.30	QP
4	229.2931	48.44	-19.38	29.06	46.00	-16.94	QP
5	440.1963	43.72	-13.57	30.15	46.00	-15.85	QP
6	734.4913	34.91	-5.74	29.17	46.00	-16.83	QP

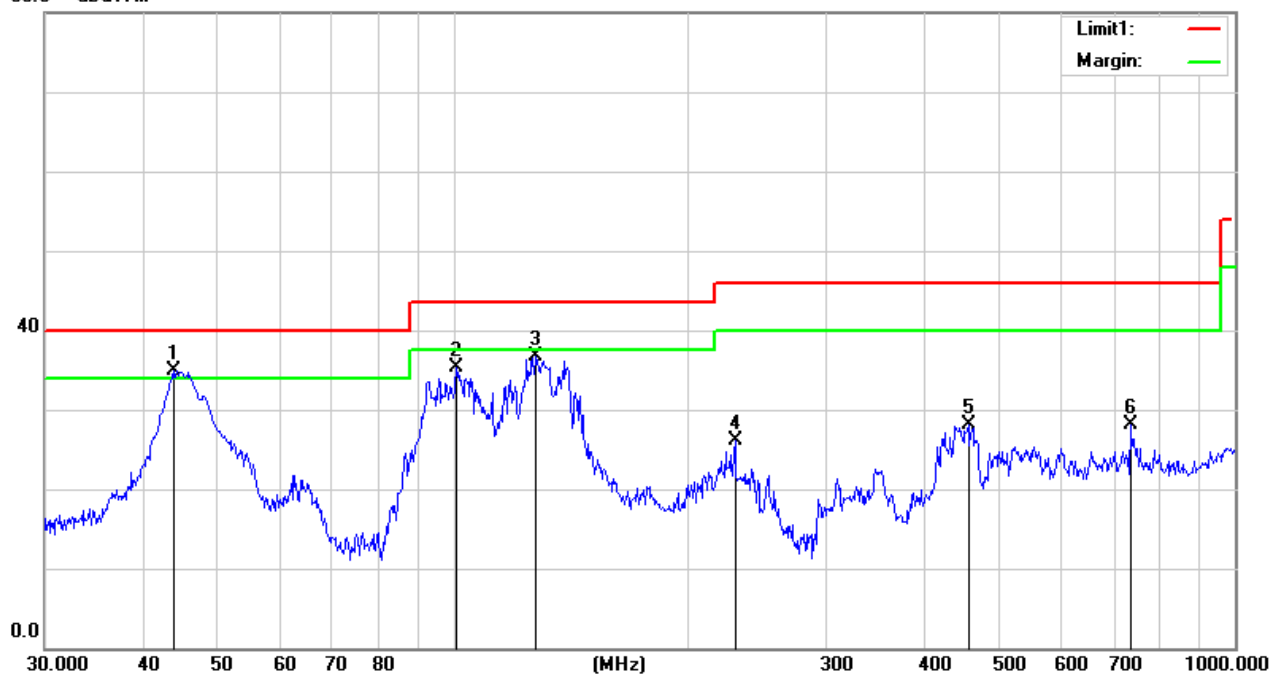


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	56.25	-19.76	36.49	40.00	-3.51	QP
2	65.8031	61.54	-25.34	36.20	40.00	-3.80	QP
3	94.4282	58.96	-21.33	37.63	43.50	-5.87	QP
4	129.4677	51.75	-19.26	32.49	43.50	-11.01	QP
5	309.9977	46.53	-16.59	29.94	46.00	-16.06	QP
6	446.4141	44.13	-13.05	31.08	46.00	-14.92	QP

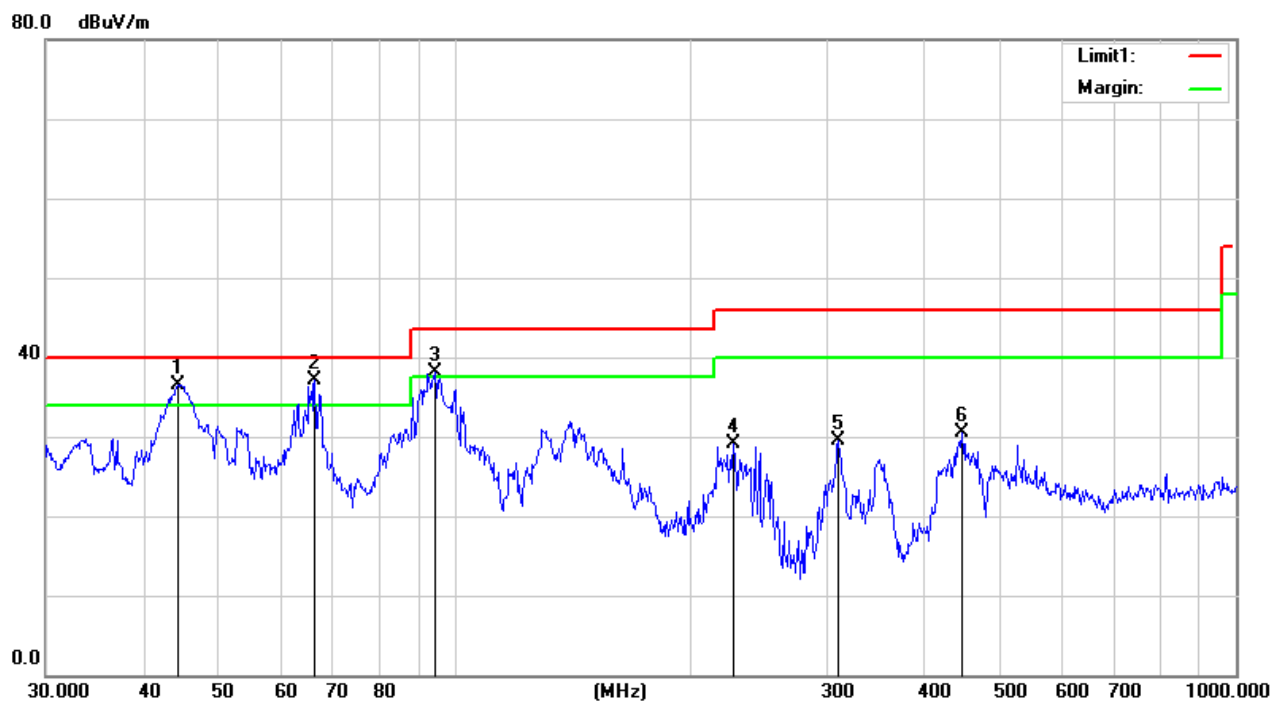
Produkte
Products

Middle Channel of EDR mode

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.8120	53.47	-18.62	34.85	40.00	-5.15	QP
2	100.9340	55.40	-20.13	35.27	43.50	-8.23	QP
3	127.2176	55.06	-18.33	36.73	43.50	-6.77	QP
4	229.2931	45.44	-19.38	26.06	46.00	-19.94	QP
5	455.9057	40.78	-12.58	28.20	46.00	-17.80	QP
6	734.4913	33.91	-5.74	28.17	46.00	-17.83	QP

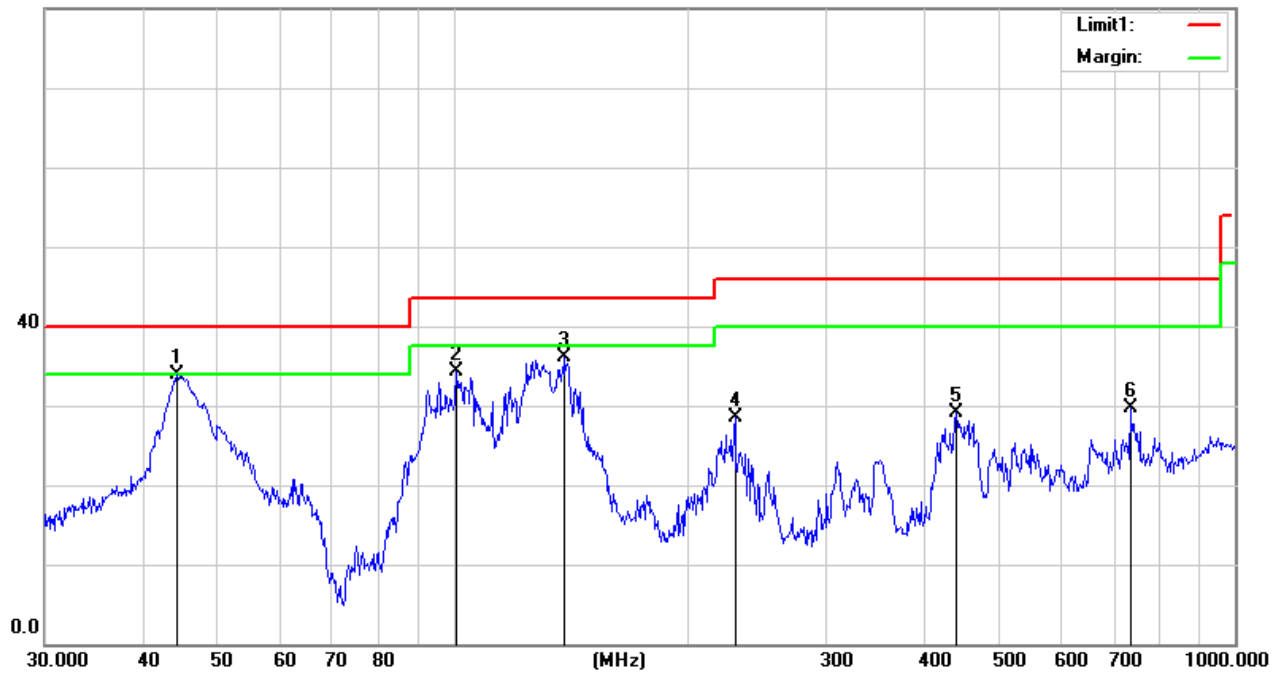


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	56.25	-19.76	36.49	40.00	-3.51	QP
2	66.2660	62.45	-25.33	37.12	40.00	-2.88	QP
3	94.4282	59.46	-21.33	38.13	43.50	-5.37	QP
4	227.6904	49.50	-20.47	29.03	46.00	-16.97	QP
5	309.9977	46.03	-16.59	29.44	46.00	-16.56	QP
6	446.4141	43.63	-13.05	30.58	46.00	-15.42	QP

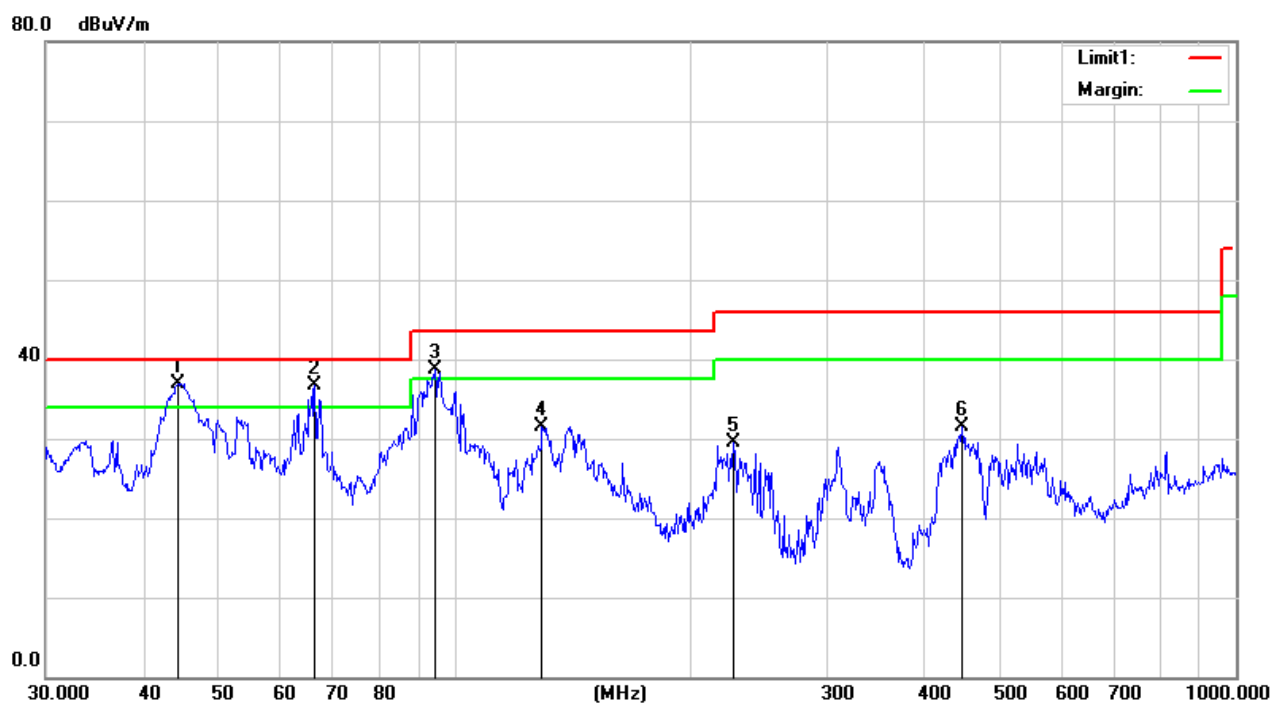
Produkte
Products

High Channel of EDR mode

80.0 dBuV/m



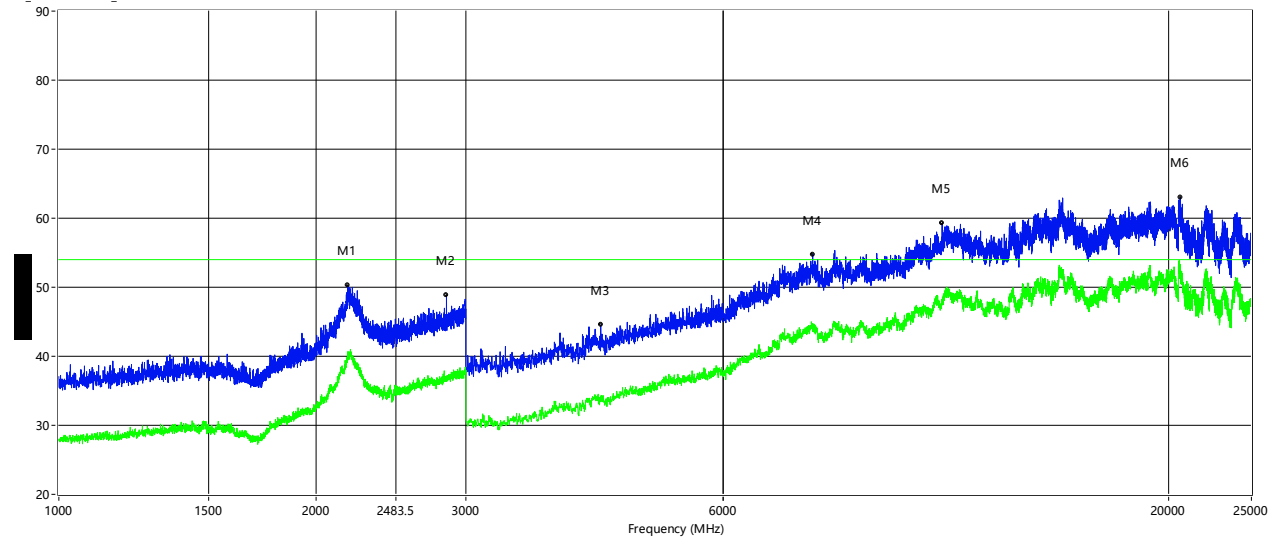
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	52.68	-18.86	33.82	40.00	-6.18	QP
2	100.9340	54.40	-20.13	34.27	43.50	-9.23	QP
3	138.8735	55.13	-18.93	36.20	43.50	-7.30	QP
4	229.2931	47.94	-19.38	28.56	46.00	-17.44	QP
5	440.1963	42.72	-13.57	29.15	46.00	-16.85	QP
6	734.4913	35.41	-5.74	29.67	46.00	-16.33	QP



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.2751	56.75	-19.76	36.99	40.00	-3.01	QP
2	66.2660	61.95	-25.33	36.62	40.00	-3.38	QP
3	94.4282	59.96	-21.33	38.63	43.50	-4.87	QP
4	129.4677	50.75	-19.26	31.49	43.50	-12.01	QP
5	227.6904	50.00	-20.47	29.53	46.00	-16.47	QP
6	446.4141	44.63	-13.05	31.58	46.00	-14.42	QP

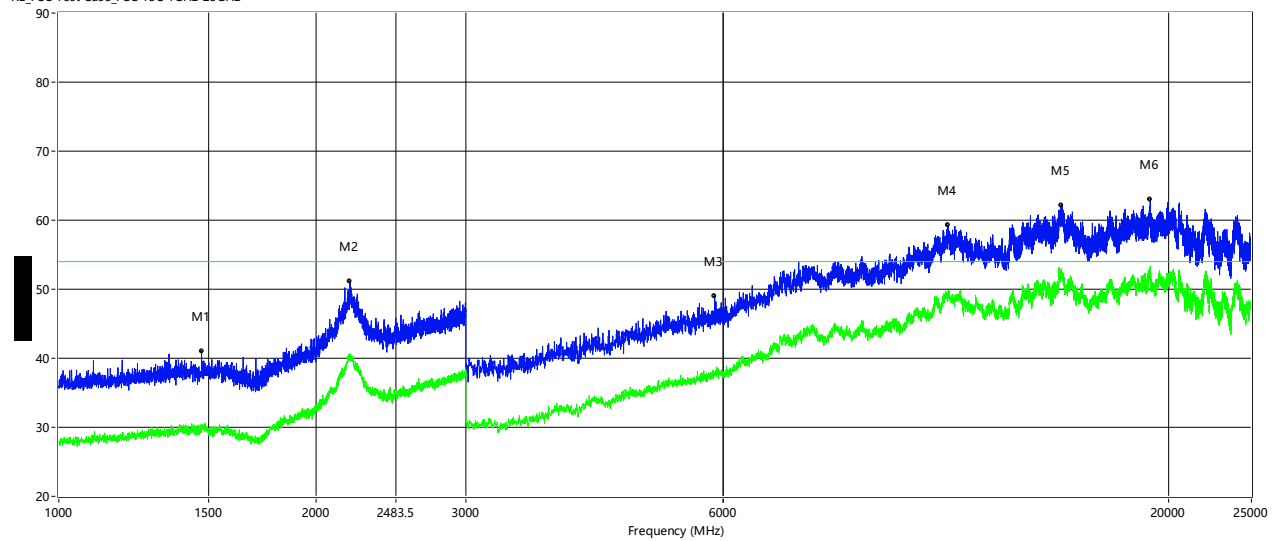
1GHz - 25GHz
Low Channel of BDR mode

RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2182.000	50.30	40.42	10.05	74.0	54.0	-13.58	0.00	100	Horizontal	Pass
2847.000	48.79	36.83	6.96	74.0	54.0	-17.17	6.00	100	Horizontal	Pass
4317.500	44.54	34.20	-6.87	74.0	54.0	-19.80	12.00	100	Horizontal	Pass
7650.000	54.78	44.74	4.41	74.0	54.0	-9.26	9.00	100	Horizontal	Pass
10850.000	59.25	48.24	8.88	74.0	54.0	-5.76	7.00	100	Horizontal	Pass
20626.749	62.99	53.04	14.21	74.0	54.0	-0.96	12.00	100	Horizontal	Pass

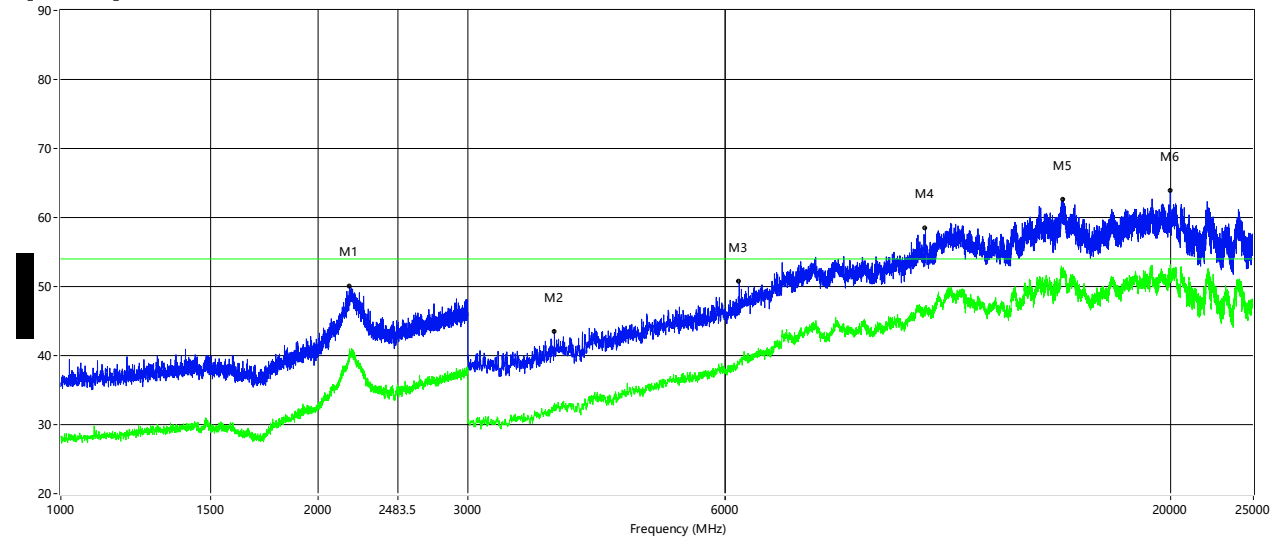
RE_FCC Test Case FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
1470.000	41.03	30.03	0.44	74.0	54.0	-23.97	14.00	100	Vertical	Pass
2194.500	51.07	40.65	10.15	74.0	54.0	-13.35	3.00	100	Vertical	Pass
5872.500	48.98	37.91	-1.98	74.0	54.0	-16.09	0.00	100	Vertical	Pass
11010.000	59.26	49.12	10.27	74.0	54.0	-4.88	0.00	100	Vertical	Pass
14951.250	62.09	52.22	12.49	74.0	54.0	-1.78	2.00	100	Vertical	Pass
19023.749	62.94	52.13	15.18	74.0	54.0	-1.87	10.00	100	Vertical	Pass

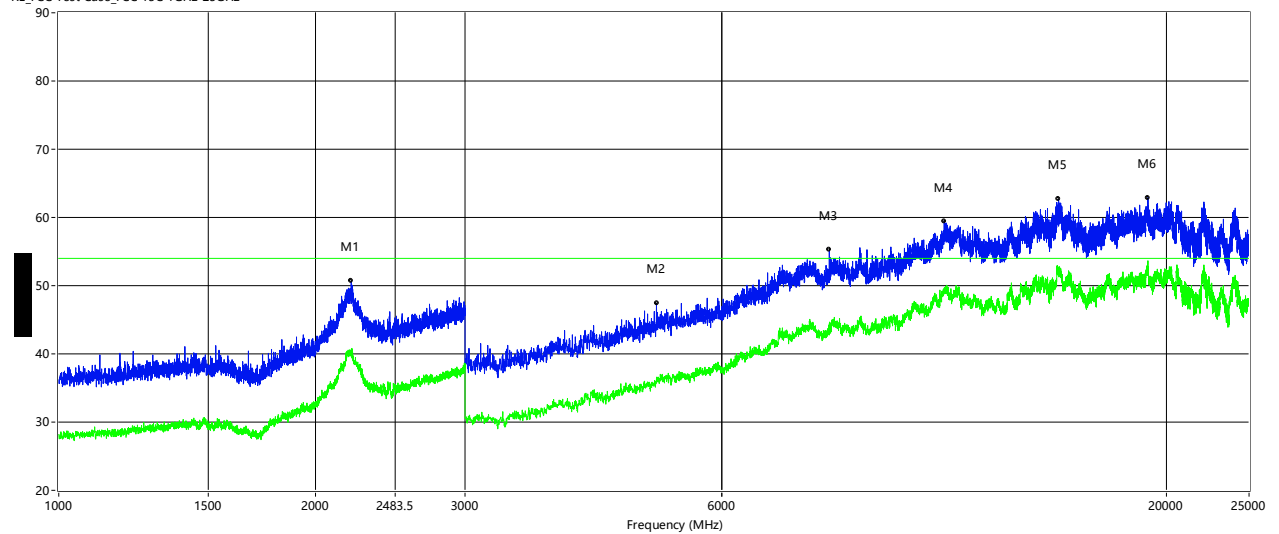
Middle Channel of BDR mode

RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2179.500	49.94	40.03	9.98	74.0	54.0	-13.97	5.00	100	Horizontal	Pass
3790.000	43.49	33.12	-8.73	74.0	54.0	-20.88	4.00	100	Horizontal	Pass
6240.000	50.73	39.17	-0.58	74.0	54.0	-14.83	1.00	100	Horizontal	Pass
10317.500	58.40	47.09	6.88	74.0	54.0	-6.91	13.00	100	Horizontal	Pass
14953.750	62.58	52.21	12.48	74.0	54.0	-1.79	13.00	100	Horizontal	Pass
19972.250	63.79	53.14	15.46	74.0	54.0	-0.86	5.00	100	Horizontal	Pass

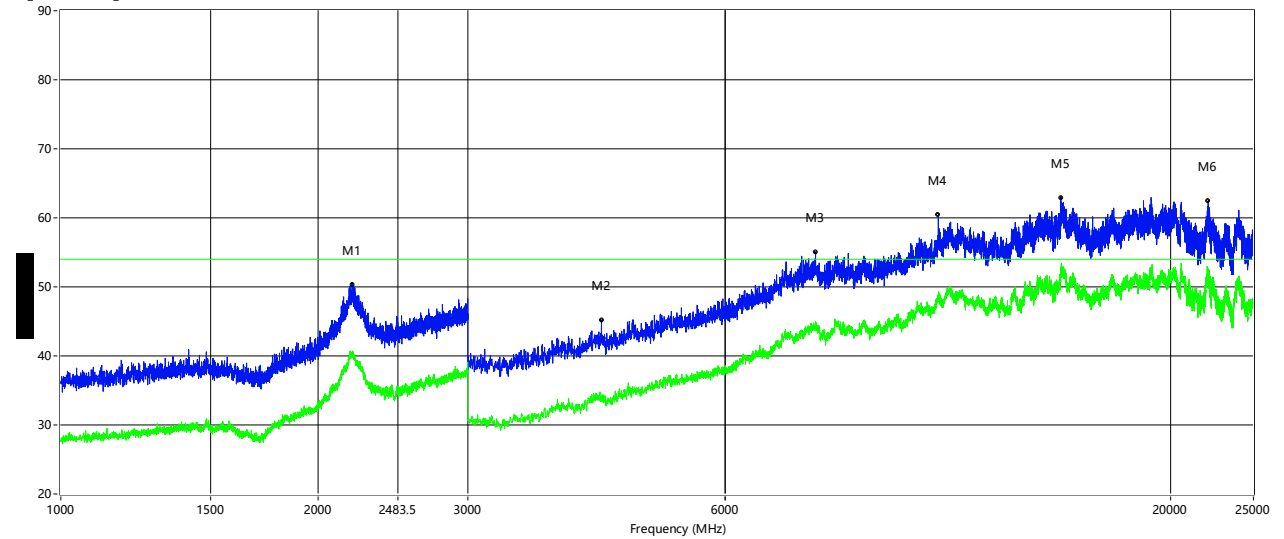
RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2205.500	50.68	40.17	9.87	74.0	54.0	-13.83	12.00	100	Vertical	Pass
5035.000	47.40	36.37	-4.31	74.0	54.0	-17.63	1.00	100	Vertical	Pass
8035.000	55.22	44.43	4.55	74.0	54.0	-9.57	13.00	100	Vertical	Pass
10962.500	59.50	49.02	10.09	74.0	54.0	-4.98	14.00	100	Vertical	Pass
14938.750	62.71	51.28	12.52	74.0	54.0	-2.72	0.00	100	Vertical	Pass
19020.249	62.91	52.72	15.22	74.0	54.0	-1.28	15.00	100	Vertical	Pass

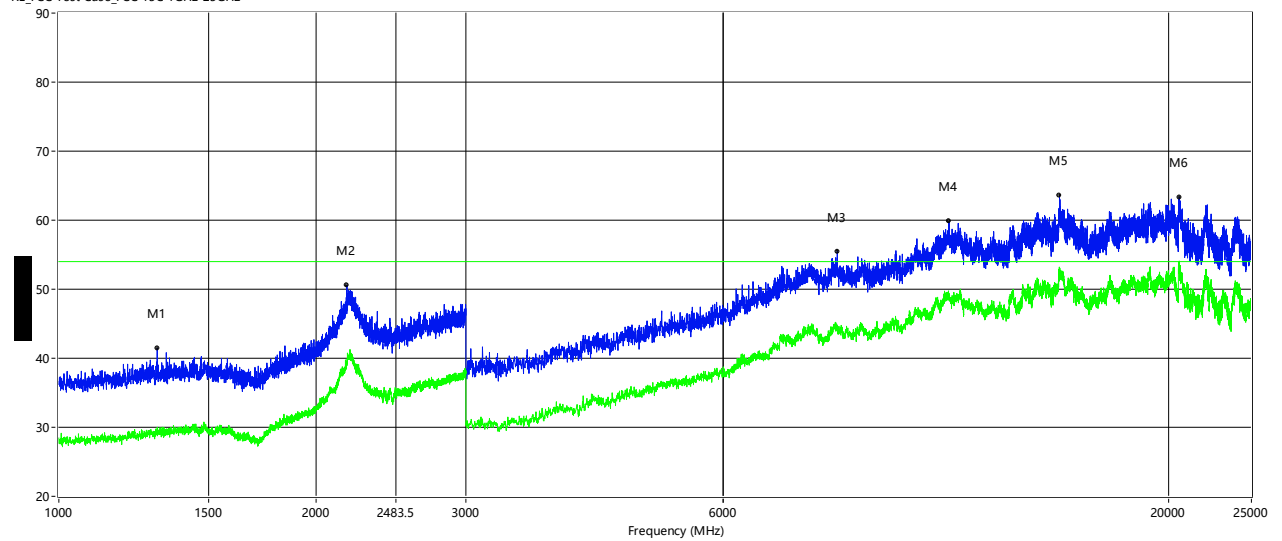
High Channel of BDR mode

RE_FCC Test Case FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2195.000	50.35	40.43	10.15	74.0	54.0	-13.57	0.00	100	Horizontal	Pass
4302.500	45.14	34.10	-6.87	74.0	54.0	-19.90	1.00	100	Horizontal	Pass
7670.000	55.05	44.96	4.47	74.0	54.0	-9.04	5.00	100	Horizontal	Pass
10680.001	60.40	49.05	8.33	74.0	54.0	-4.95	7.00	100	Horizontal	Pass
14866.250	62.92	52.12	12.19	74.0	54.0	-1.88	0.00	100	Horizontal	Pass
22124.751	62.43	51.87	9.88	74.0	54.0	-2.13	11.00	100	Horizontal	Pass

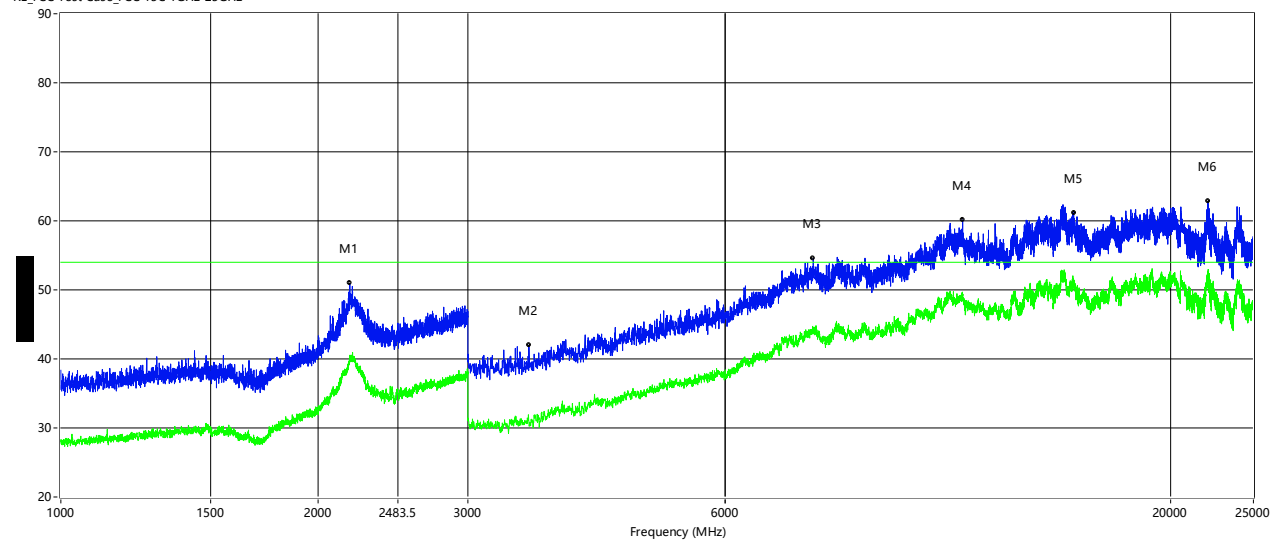
RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
1304.000	41.44	30.02	-0.29	74.0	54.0	-23.98	1.00	100	Vertical	Pass
2176.000	50.61	39.50	9.63	74.0	54.0	-14.50	9.00	100	Vertical	Pass
8175.000	55.47	44.77	4.31	74.0	54.0	-9.23	6.00	100	Vertical	Pass
11060.000	59.85	49.05	10.00	74.0	54.0	-4.95	7.00	100	Vertical	Pass
14895.000	63.64	52.51	12.56	74.0	54.0	-1.49	15.00	100	Vertical	Pass
20576.000	63.35	53.87	14.14	74.0	54.0	-0.13	2.00	100	Vertical	Pass

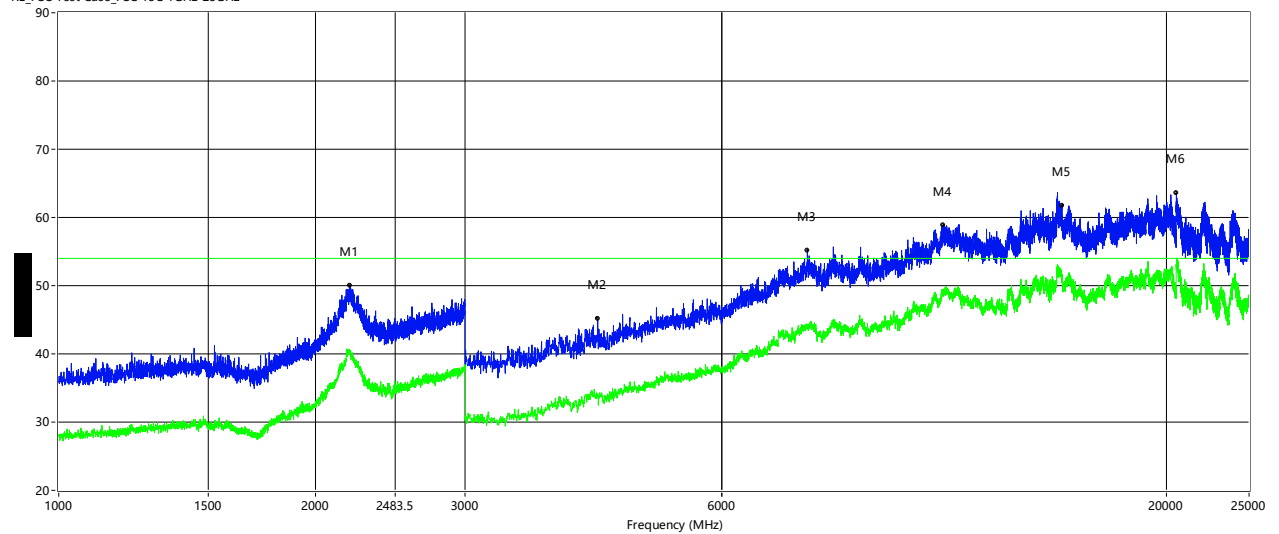
Low Channel of EDR mode

RE_FCC Test Case FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2181.500	50.95	40.55	10.04	74.0	54.0	-13.45	5.00	100	Horizontal	Pass
3537.500	42.01	30.82	-9.96	74.0	54.0	-23.18	1.00	100	Horizontal	Pass
7620.000	54.55	44.39	4.32	74.0	54.0	-9.61	9.00	100	Horizontal	Pass
11405.000	60.15	49.22	9.73	74.0	54.0	-4.78	7.00	100	Horizontal	Pass
15390.000	61.19	50.95	11.80	74.0	54.0	-3.05	15.00	100	Horizontal	Pass
22114.251	62.82	52.14	9.88	74.0	54.0	-1.86	11.00	100	Horizontal	Pass

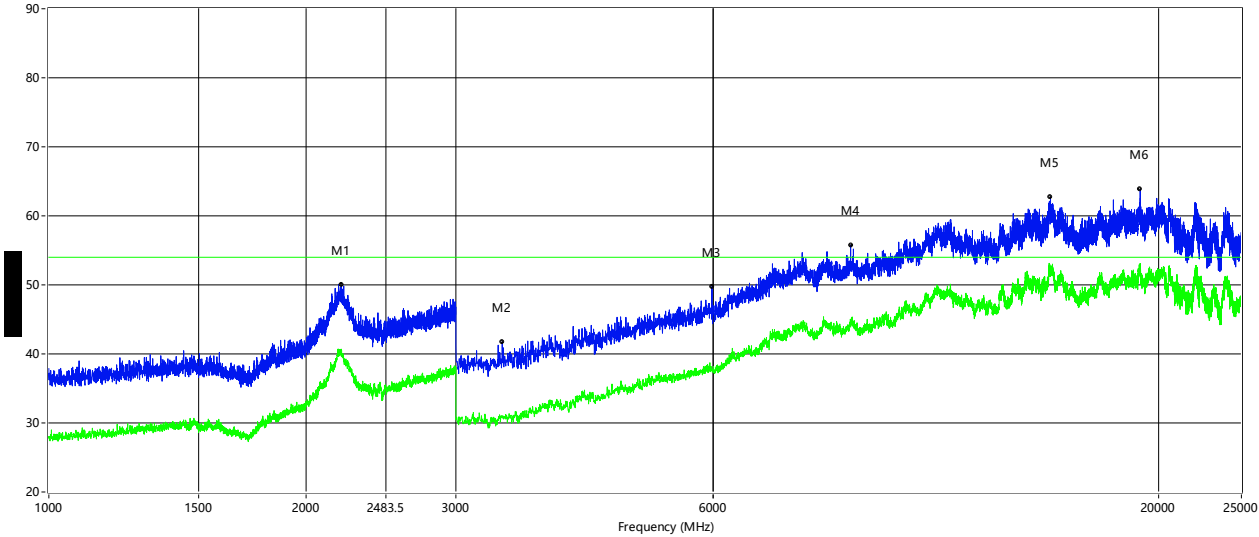
RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2199.000	49.93	40.33	10.18	74.0	54.0	-13.67	2.00	100	Vertical	Pass
4295.000	45.14	34.16	-6.86	74.0	54.0	-19.84	11.00	100	Vertical	Pass
7572.500	55.14	44.35	4.11	74.0	54.0	-9.65	5.00	100	Vertical	Pass
10919.999	58.87	49.01	9.84	74.0	54.0	-4.99	3.00	100	Vertical	Pass
15072.500	61.77	51.65	11.17	74.0	54.0	-2.35	13.00	100	Vertical	Pass
20541.000	63.57	52.72	14.09	74.0	54.0	-1.28	8.00	100	Vertical	Pass

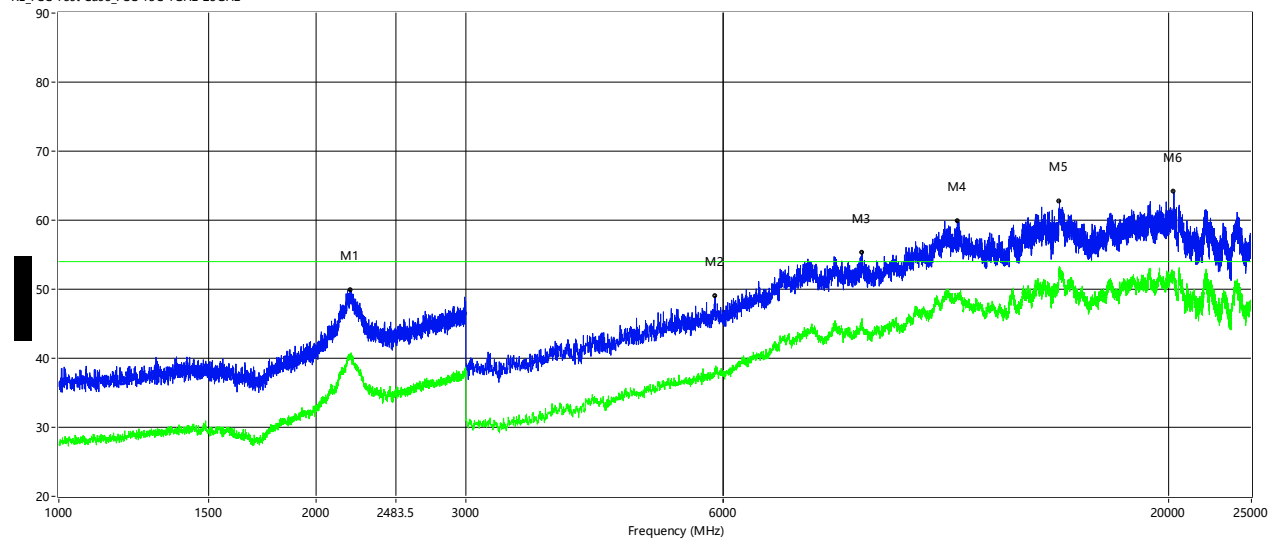
Middle Channel of EDR mode

RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2202.500	49.96	40.29	10.05	74.0	54.0	-13.71	13.00	100	Horizontal	Pass
3400.000	41.74	31.00	-9.98	74.0	54.0	-23.00	14.00	100	Horizontal	Pass
5987.500	49.76	37.67	-1.71	74.0	54.0	-16.33	0.00	100	Horizontal	Pass
8707.500	55.77	43.89	4.97	74.0	54.0	-10.11	0.00	100	Horizontal	Pass
14935.000	62.73	52.13	12.53	74.0	54.0	-1.87	10.00	100	Horizontal	Pass
19023.749	63.81	53.00	15.18	74.0	54.0	-1.00	13.00	100	Horizontal	Pass

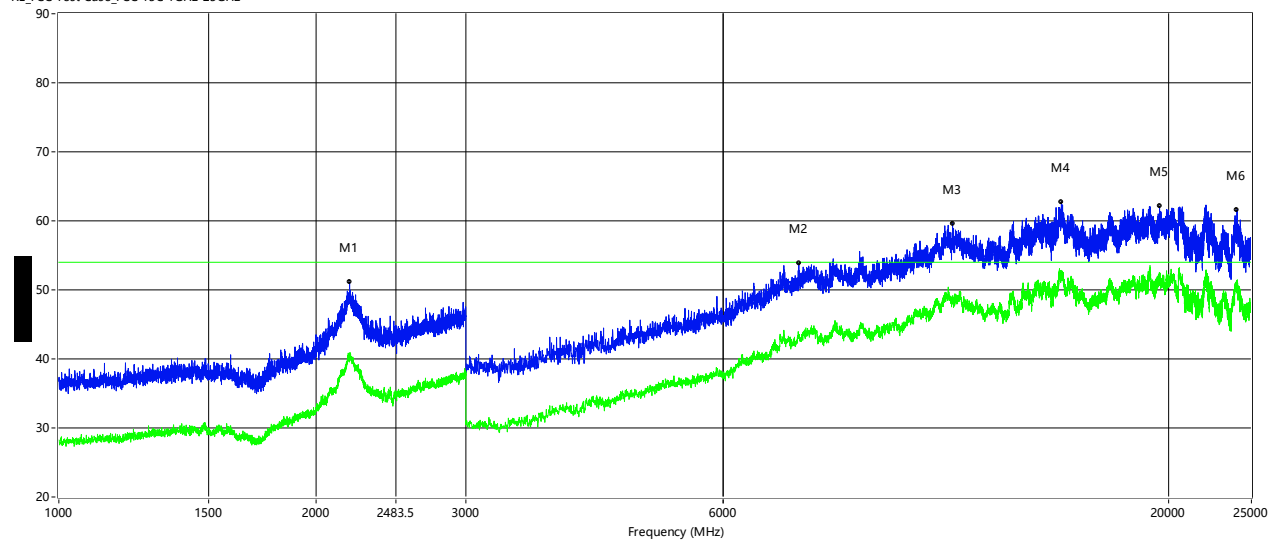
RE_FCC Test Case_FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2196.500	49.87	40.41	10.16	74.0	54.0	-13.59	14.00	100	Vertical	Pass
5877.500	48.95	38.20	-1.96	74.0	54.0	-15.80	11.00	100	Vertical	Pass
8740.000	55.23	45.77	4.72	74.0	54.0	-8.23	12.00	100	Vertical	Pass
11302.500	59.83	48.80	9.59	74.0	54.0	-5.20	6.00	100	Vertical	Pass
14895.000	62.65	52.67	12.56	74.0	54.0	-1.33	13.00	100	Vertical	Pass
20281.999	64.08	52.47	11.12	74.0	54.0	-1.53	14.00	100	Vertical	Pass

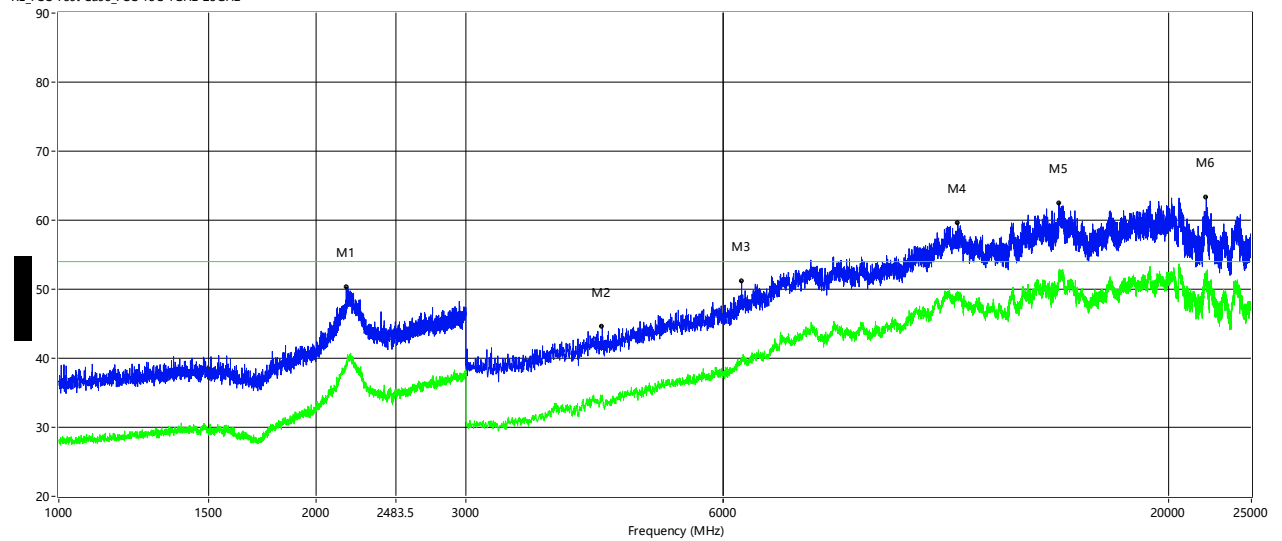
High Channel of EDR mode

RE_FCC Test Case FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2192.000	51.15	40.14	10.13	74.0	54.0	-13.86	12.00	100	Horizontal	Pass
7370.000	53.82	43.08	3.65	74.0	54.0	-10.92	2.00	100	Horizontal	Pass
11160.001	59.60	48.40	9.73	74.0	54.0	-5.60	14.00	100	Horizontal	Pass
14970.000	62.74	52.42	12.43	74.0	54.0	-1.58	4.00	100	Horizontal	Pass
19512.001	62.15	52.22	17.34	74.0	54.0	-1.78	2.00	100	Horizontal	Pass
24046.250	61.63	51.34	15.09	74.0	54.0	-2.66	4.00	100	Horizontal	Pass

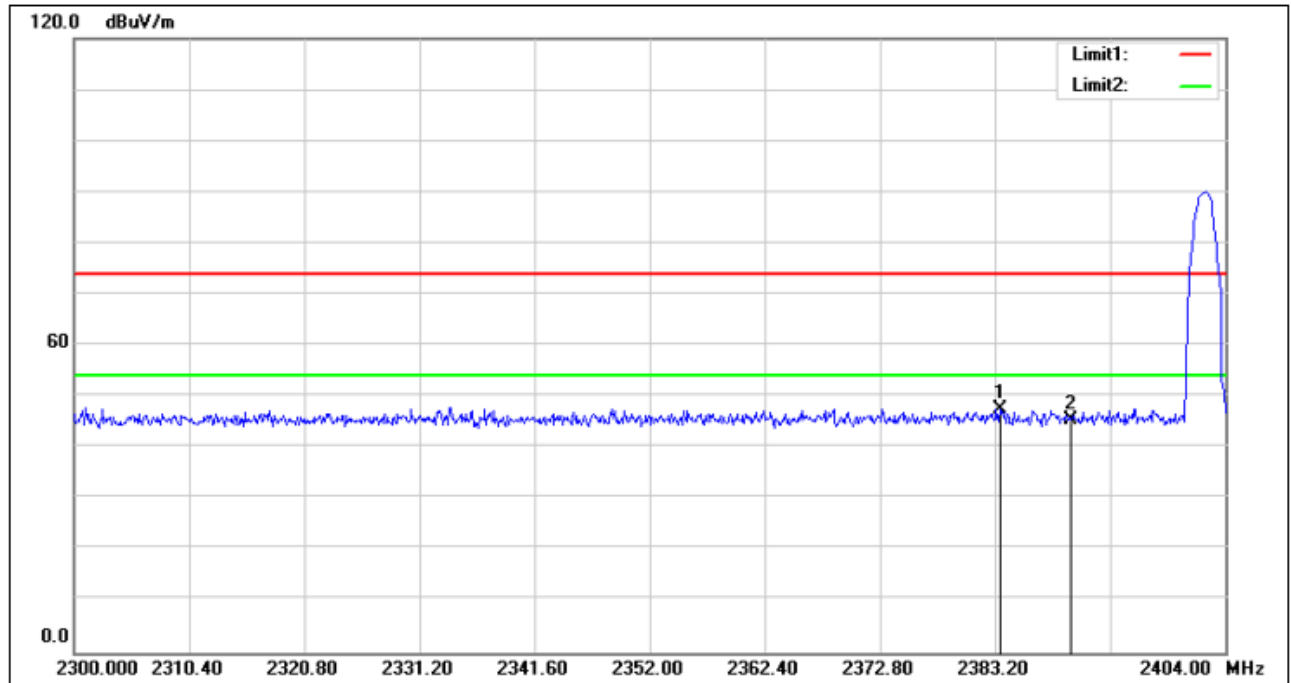
RE_FCC Test Case FCC 15C 1GHz-25GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	Table (o)	Height (cm)	ANT	Verdict
2172.000	50.28	39.46	9.22	74.0	54.0	-14.54	14.00	100	Vertical	Pass
4335.000	44.63	34.68	-6.87	74.0	54.0	-19.32	0.00	100	Vertical	Pass
6315.000	51.09	40.10	-0.15	74.0	54.0	-13.90	5.00	100	Vertical	Pass
11320.001	59.64	49.43	9.62	74.0	54.0	-4.57	6.00	100	Vertical	Pass
14870.000	62.49	51.86	12.24	74.0	54.0	-2.14	7.00	100	Vertical	Pass
22130.000	63.24	52.64	9.88	74.0	54.0	-1.36	12.00	100	Vertical	Pass

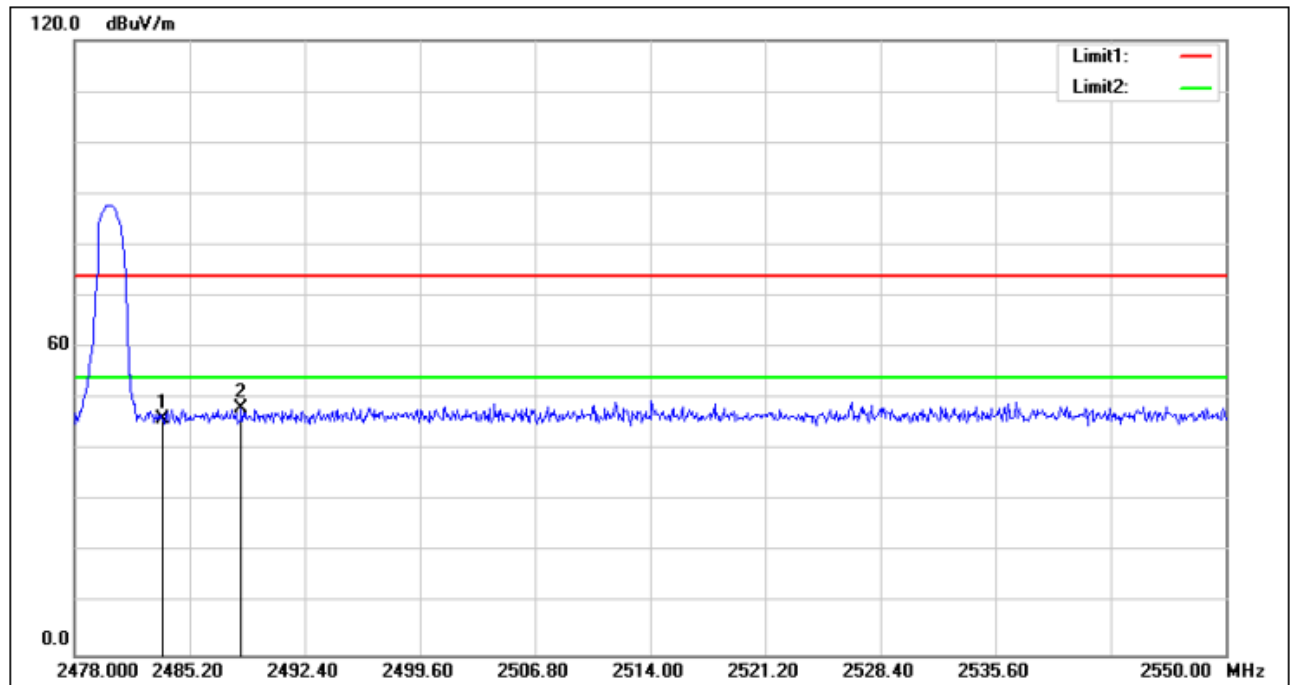
Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

Low Channel of BDR mode



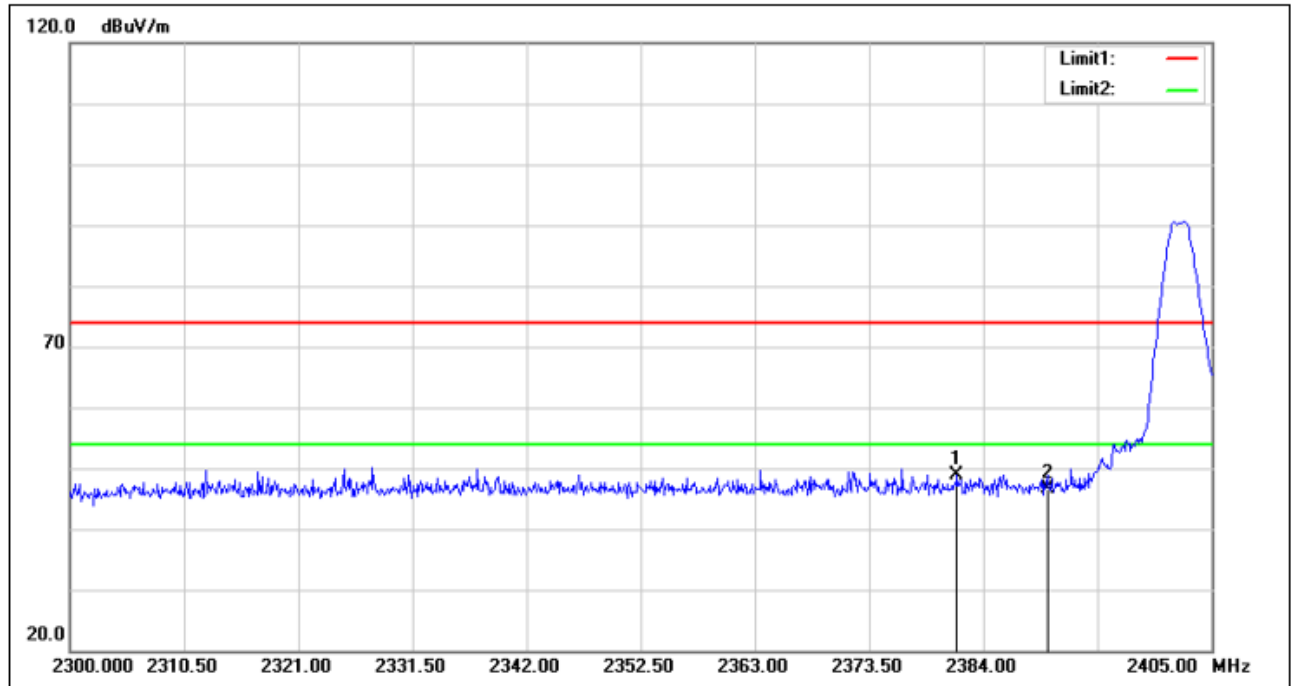
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.616	58.11	-10.52	47.59	74.00	-26.41	peak
2	2390.000	56.02	-10.48	45.54	74.00	-28.46	peak

High Channel of BDR mode



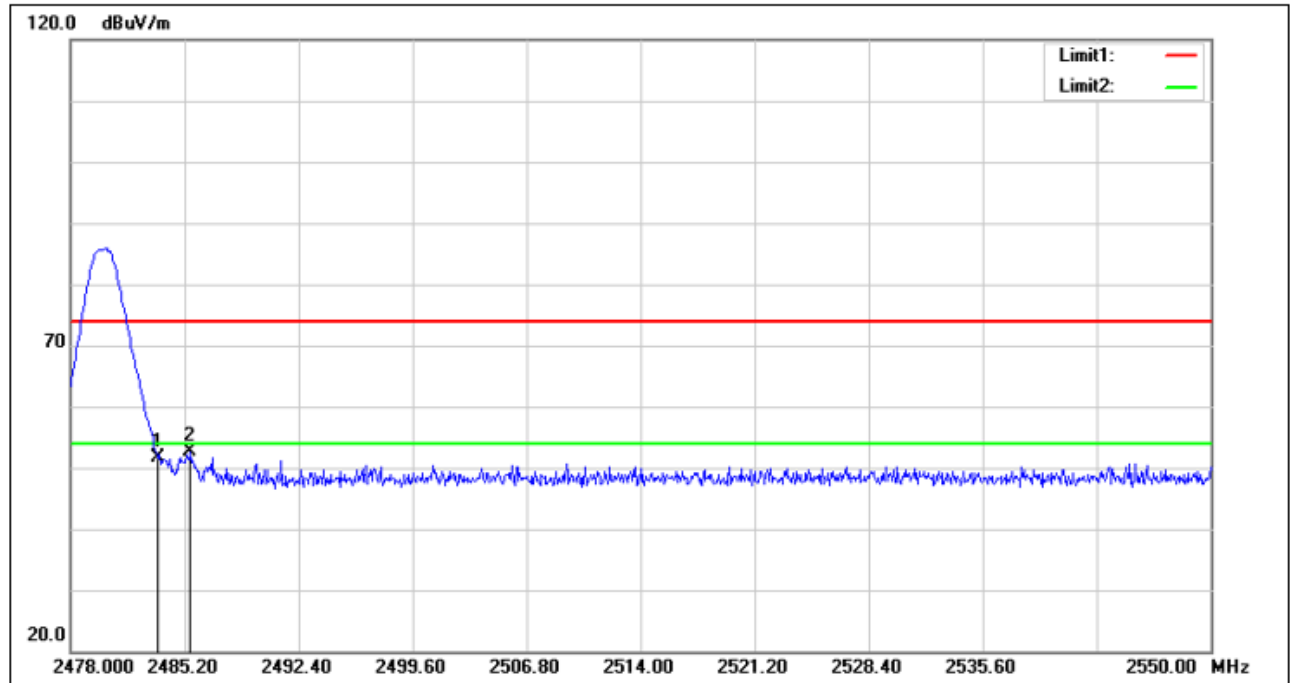
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.17	-9.99	46.18	74.00	-27.82	peak
2	2488.440	58.17	-9.97	48.20	74.00	-25.80	peak

Low Channel of EDR mode



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.585	51.08	-2.08	49.00	74.00	-25.00	peak
2	2390.000	48.55	-2.02	46.53	74.00	-27.47	peak

High Channel of EDR mode



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	53.19	-1.50	51.69	74.00	-22.31	peak
2	2485.560	54.24	-1.49	52.75	74.00	-21.25	peak

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

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

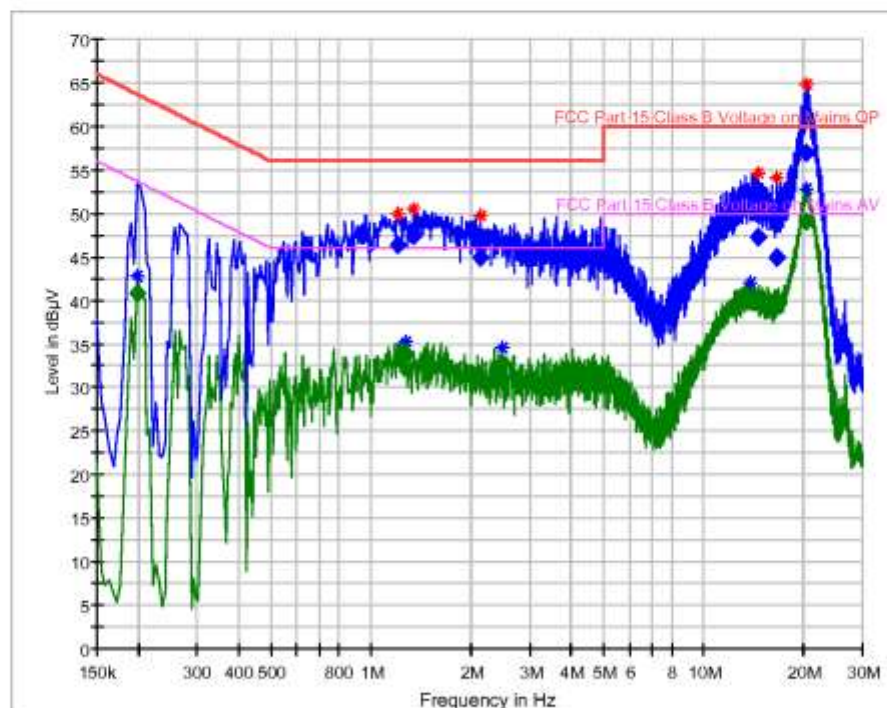
EMC Test Record (EMISSION)

Common Information

Manufacturer:	Alllike
Test Item:	Smart Side Table
Identification:	SOSTB300
Test Standard:	FCC Part 15
Test Detail:	Conducted Emission
Operation Mode:	A,B,C,D,E,F
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq.:	AC 120V/60Hz
Port / Line:	AC mains
Receipt No.:	170109248
Report No.:	/
Result:	Pass
Comment:	/

Hardware Setup:	1phase LISN ENV216 to ESCI 3
Level Unit:	dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCI 3



Tested by: *Chris Liang*
20190710

Reviewed by: *Jacky Chen*
20190710

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Mess. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.199500	---	40.88	53.63	12.75	1000.	9.000	N	OFF	9.6
1.203000	46.40	---	56.00	9.60	1000.	9.000	L1	OFF	9.7
1.248000	---	34.15	46.00	11.85	1000.	9.000	L1	OFF	9.7
1.275000	---	33.80	46.00	12.20	1000.	9.000	L1	OFF	9.7
1.342500	47.37	---	56.00	8.63	1000.	9.000	L1	OFF	9.7
2.139000	44.98	---	56.00	11.02	1000.	9.000	L1	OFF	9.8
2.485500	---	32.74	46.00	13.26	1000.	9.000	N	OFF	9.8
13.852500	---	39.90	50.00	10.10	1000.	9.000	N	OFF	10.2
14.505000	47.27	---	60.00	12.73	1000.	9.000	L1	OFF	10.3
16.552500	44.94	---	60.00	15.06	1000.	9.000	N	OFF	10.3
20.265000	57.02	---	60.00	2.98	1000.	9.000	N	OFF	10.4
20.328000	---	49.12	50.00	0.88	1000.	9.000	N	OFF	10.4

Tested by:

Chris Liang

Reviewed by:

Jacky Chen

20190710

20190710

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

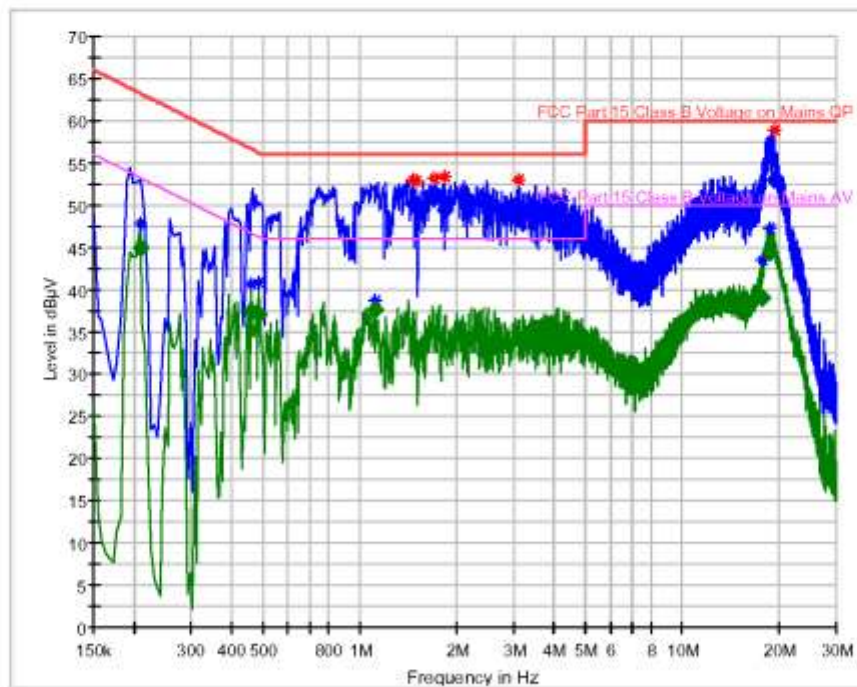
EMC Test Record (EMISSION)

Common Information

Manufacturer:	Alllike
Test Item:	Smart Side Table
Identification:	SOSTB300
Test Standard:	FCC Part 15
Test Detail:	Conducted Emission
Operation Mode:	A,B,C,D,E,F
Climate Condition:	20 °C, 50 %, 100 k Pa
Test Voltage/ Freq.:	AC 240V/50Hz
Port / Line:	AC mains
Receipt No.:	170109248
Report No.:	/
Result:	Pass
Comment:	/

Hardware Setup:	1phase LISN ENV216 to ESCI 3
Level Unit:	dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCI 3



Tested by:

Chris Liang

Reviewed by:

Jacky Chen

20190710

20190710

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Mess. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.208500	---	44.94	53.27	8.32	1000.	9.000	L1	OFF	9.6
0.460500	---	37.44	46.68	9.24	1000.	9.000	L1	OFF	9.7
0.487500	---	37.07	46.21	9.14	1000.	9.000	L1	OFF	9.7
1.117500	---	37.59	46.00	8.41	1000.	9.000	L1	OFF	9.7
1.455000	50.13	---	56.00	5.87	1000.	9.000	L1	OFF	9.7
1.491000	50.16	---	56.00	5.84	1000.	9.000	L1	OFF	9.7
1.702500	50.82	---	56.00	5.18	1000.	9.000	L1	OFF	9.7
1.837500	49.48	---	56.00	6.52	1000.	9.000	L1	OFF	9.7
3.111000	48.34	---	56.00	7.66	1000.	9.000	L1	OFF	9.8
17.610000	---	39.09	50.00	10.91	1000.	9.000	N	OFF	10.3
18.564000	---	44.36	50.00	5.64	1000.	9.000	N	OFF	10.4
19.270500	53.01	---	60.00	6.99	1000.	9.000	L1	OFF	10.4

Tested by:

Chris Liang

Reviewed by:

Jacky Chen

20190710

20190710