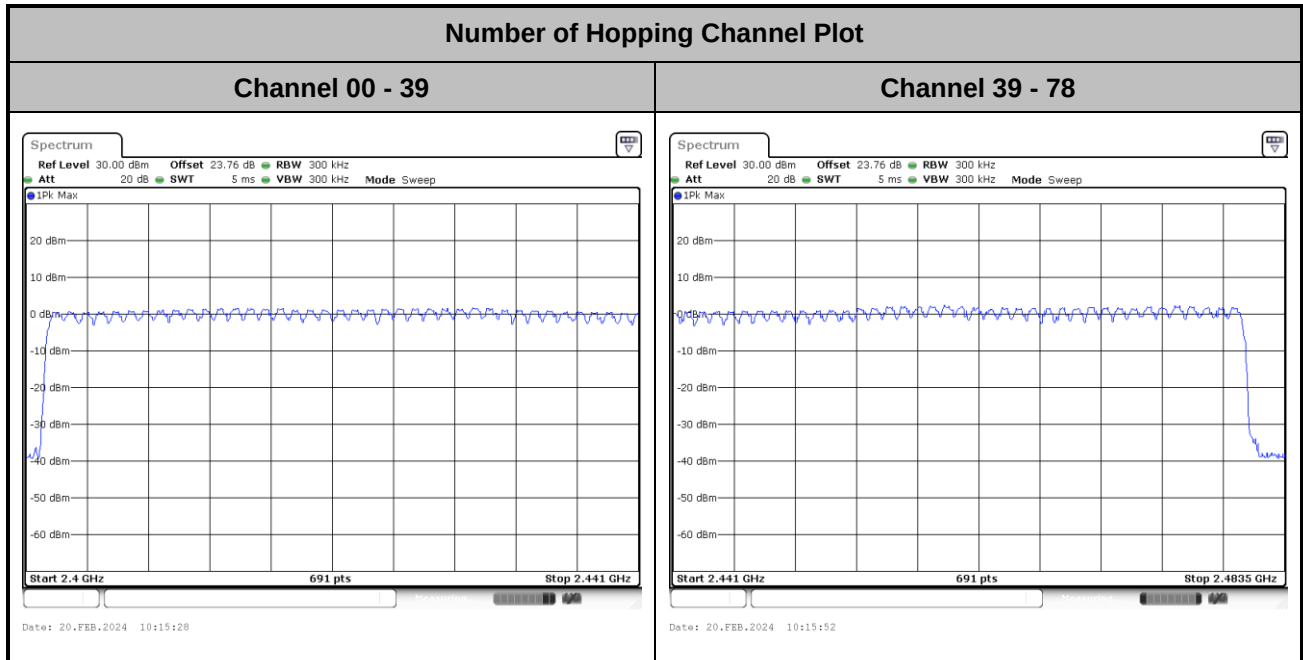




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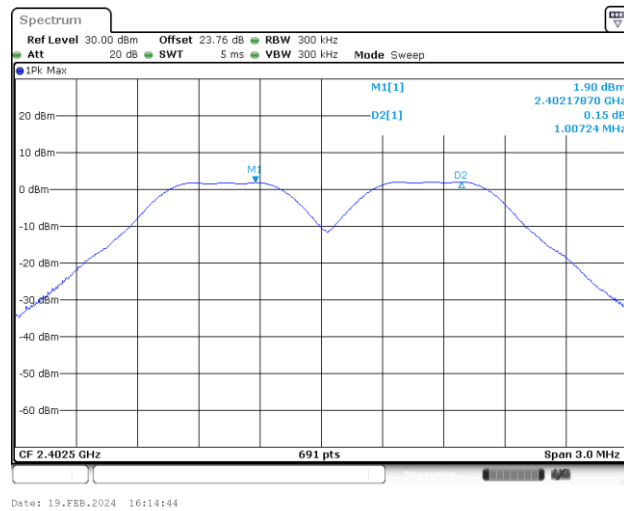
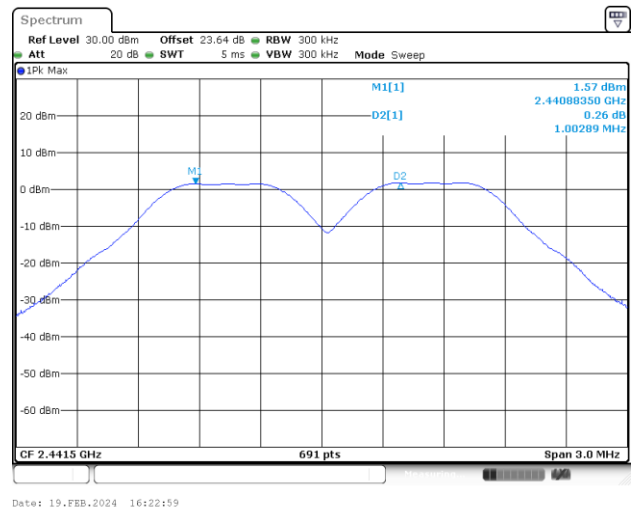
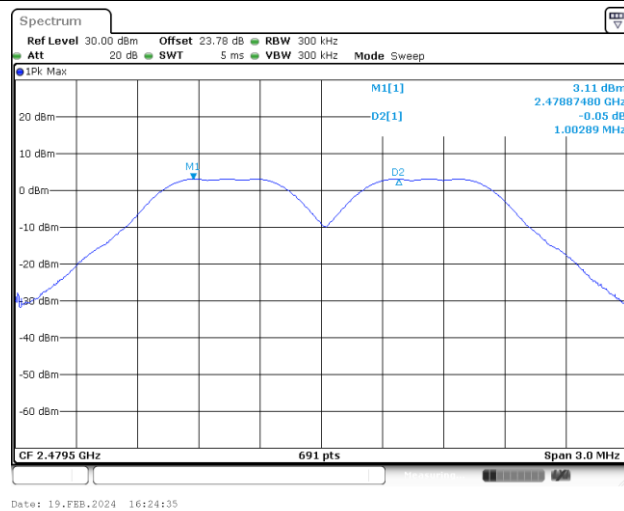
<Ant. 6>

Number of Hopping Frequency



**Hopping Channel Separation**

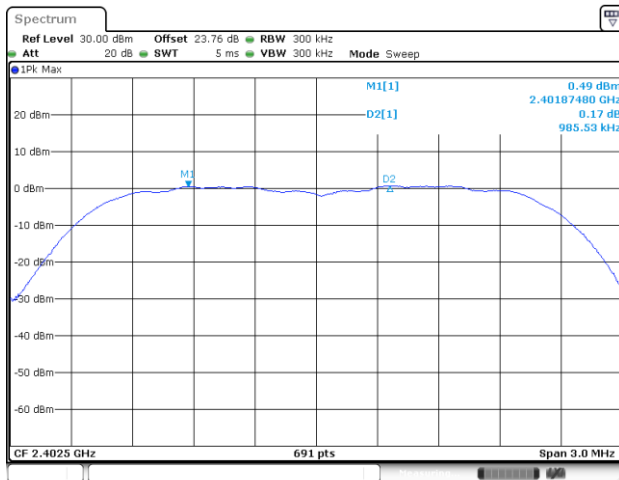
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Channel Separation Plot on Channel 00 - 01**Channel Separation Plot on Channel 39 - 40****Channel Separation Plot on Channel 77 - 78**

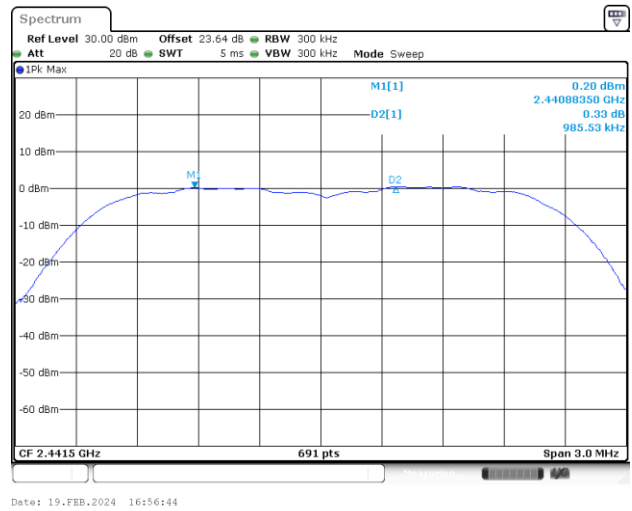


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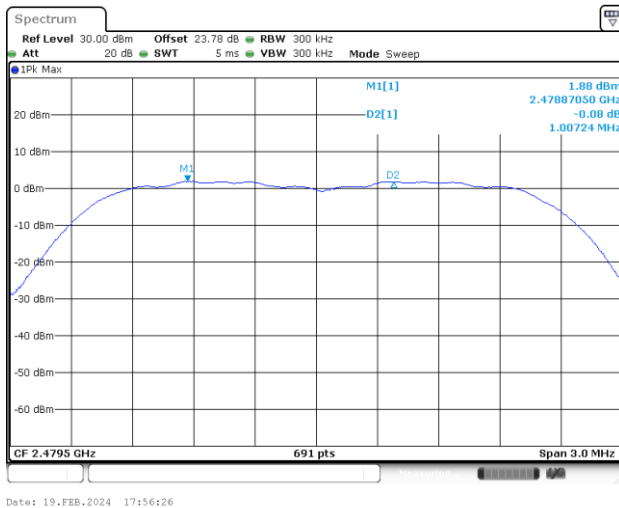
Channel Separation Plot on Channel 00 - 01



Channel Separation Plot on Channel 39 - 40



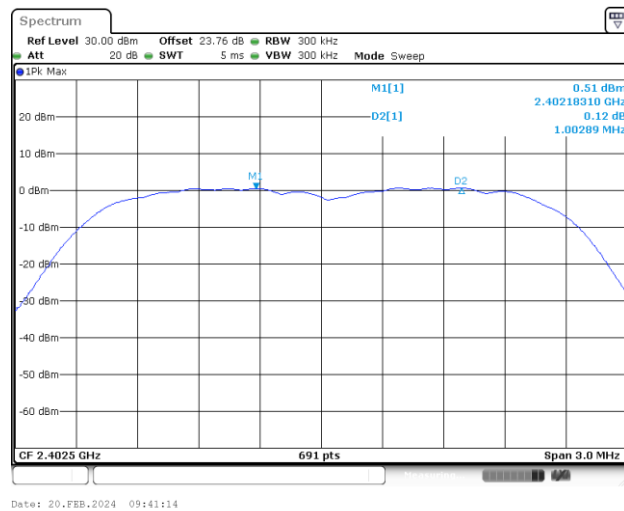
Channel Separation Plot on Channel 77 - 78



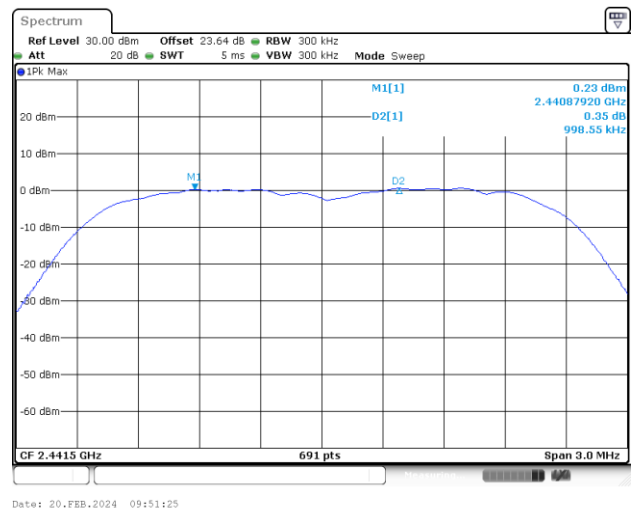


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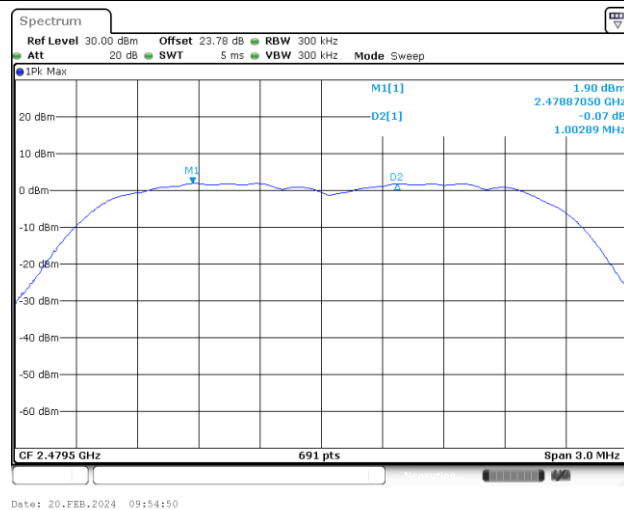
Channel Separation Plot on Channel 00 - 01



Channel Separation Plot on Channel 39 - 40

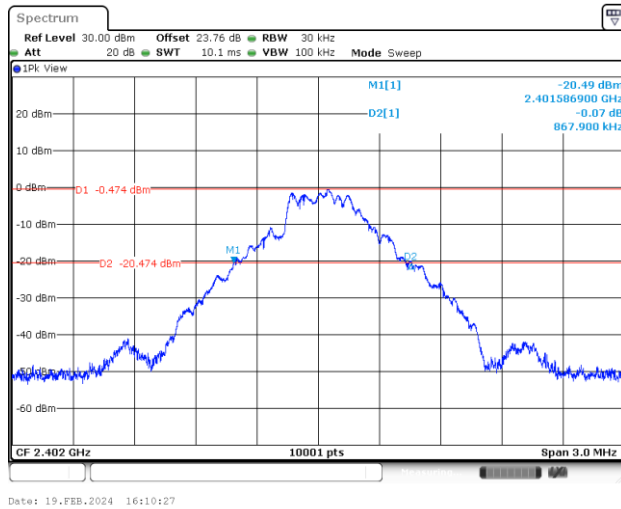
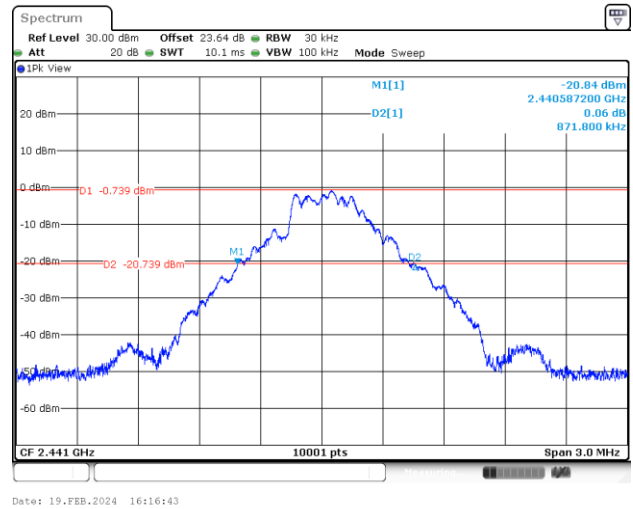
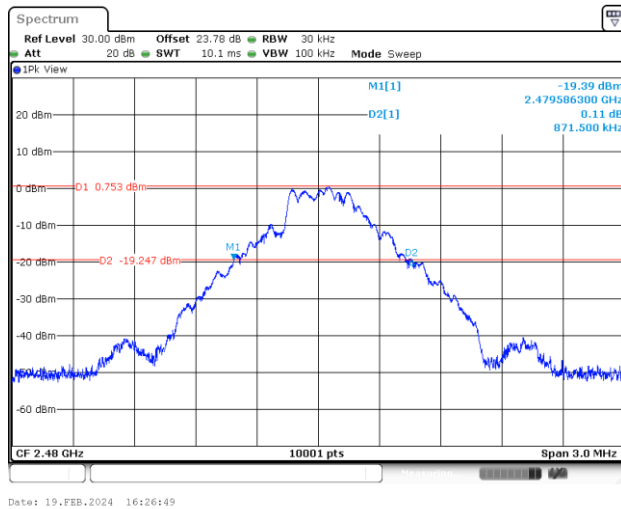


Channel Separation Plot on Channel 77 - 78



**20dB Bandwidth**

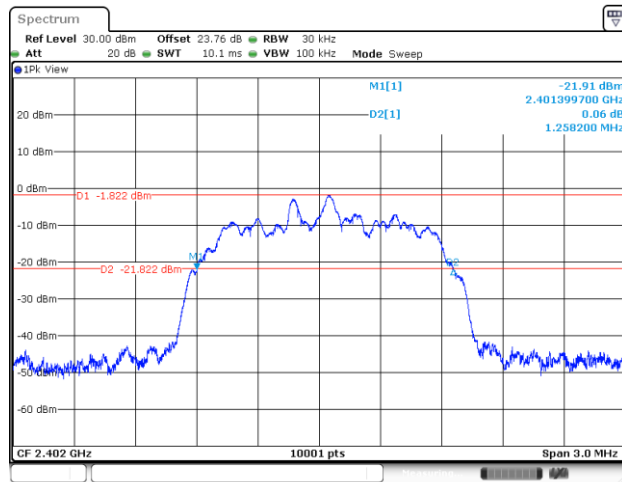
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20 dB Bandwidth Plot in Channel 00**20 dB Bandwidth Plot in Channel 39****20 dB Bandwidth Plot in Channel 78**

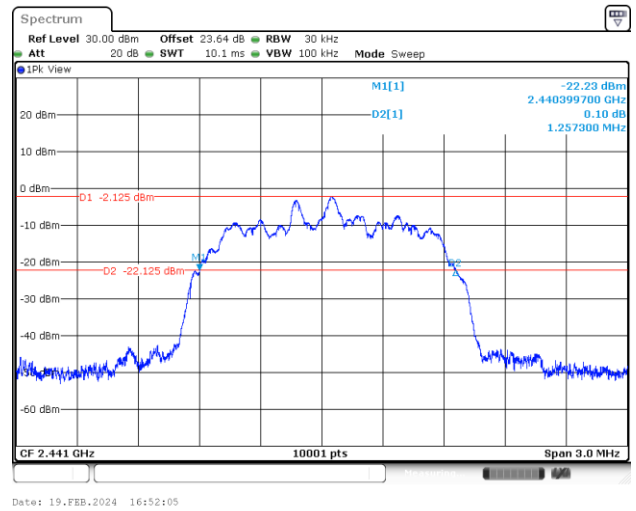


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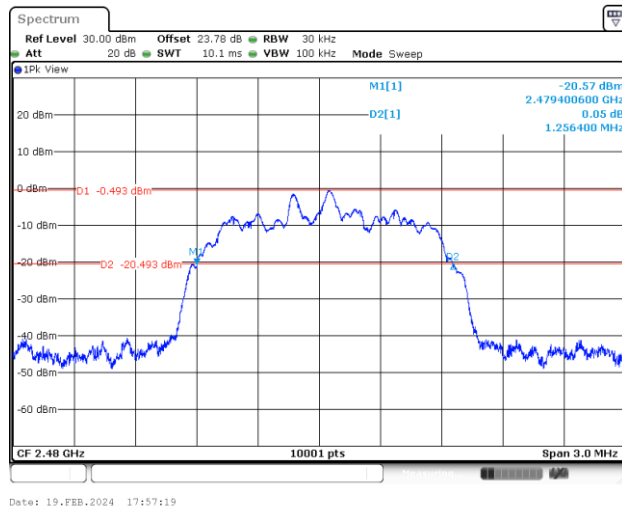
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39



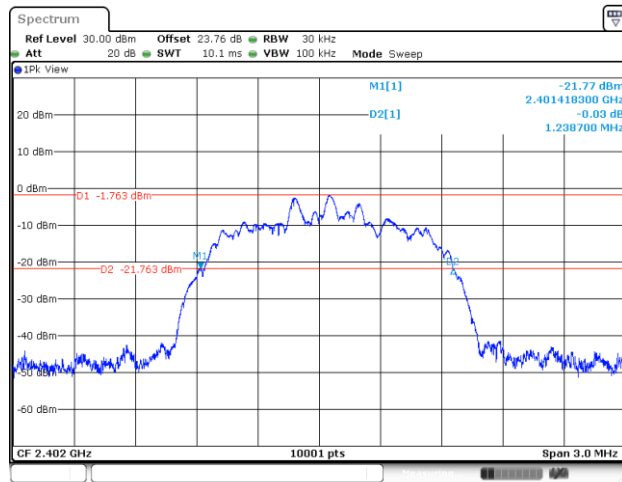
20 dB Bandwidth Plot in Channel 78



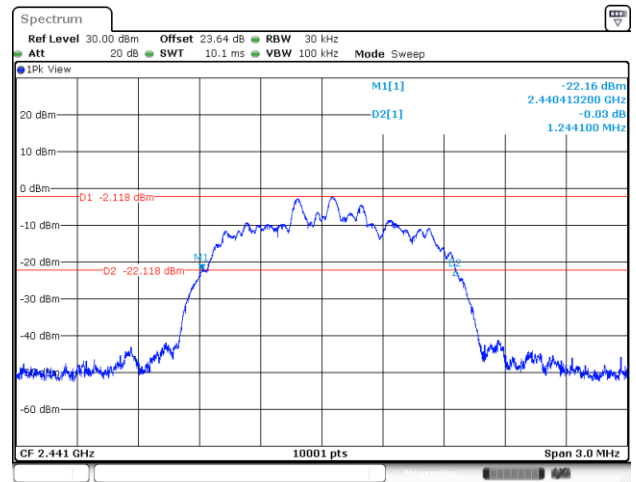


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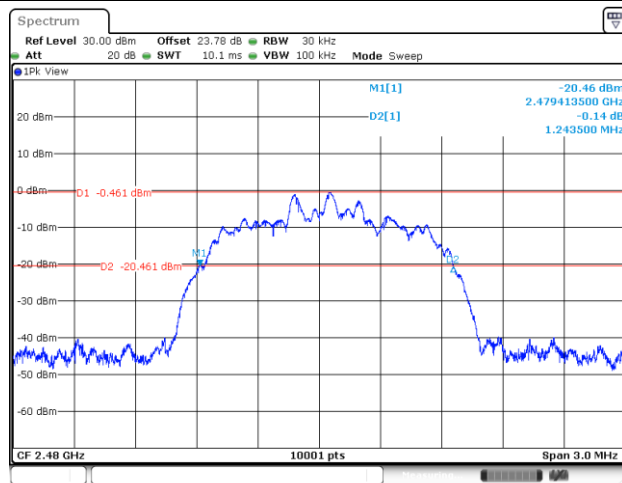
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39

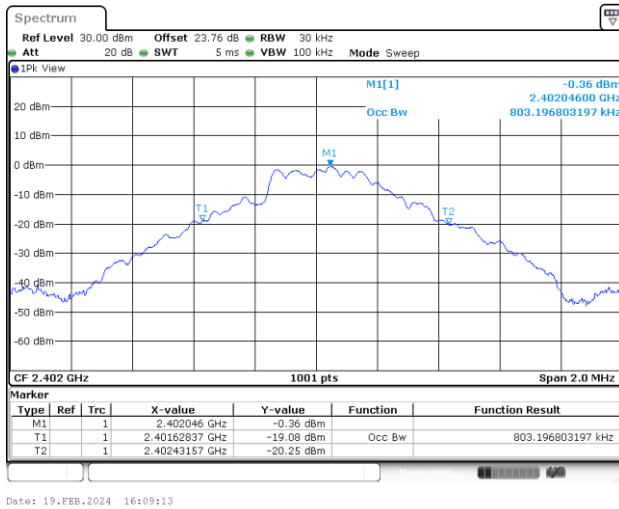
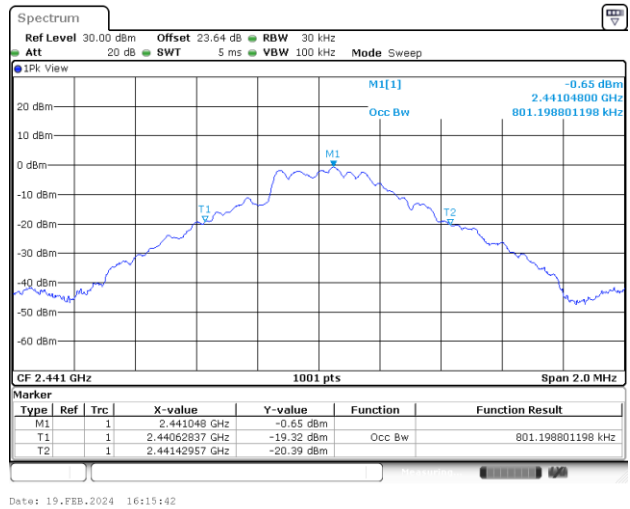
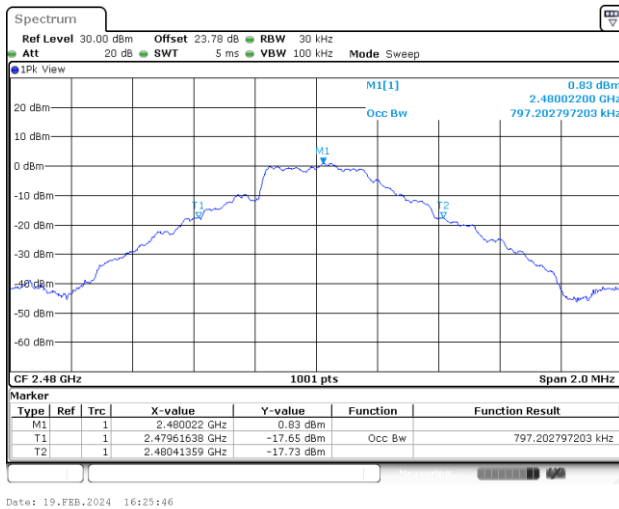


20 dB Bandwidth Plot in Channel 78



**99% Occupied Bandwidth**

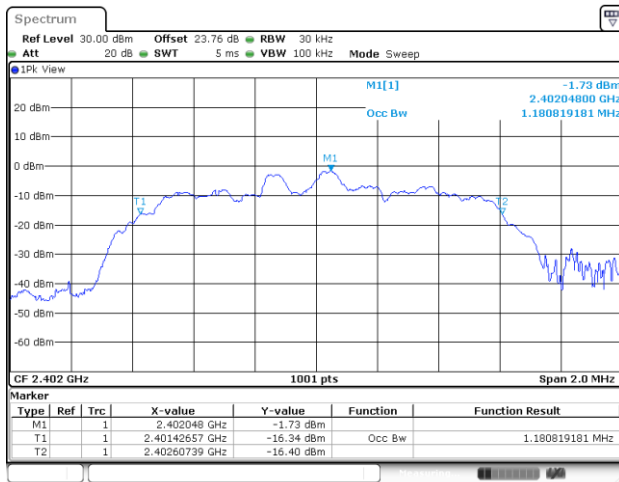
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99% Occupied Bandwidth on Channel 00**99% Occupied Bandwidth on Channel 39****99% Occupied Bandwidth on Channel 78**

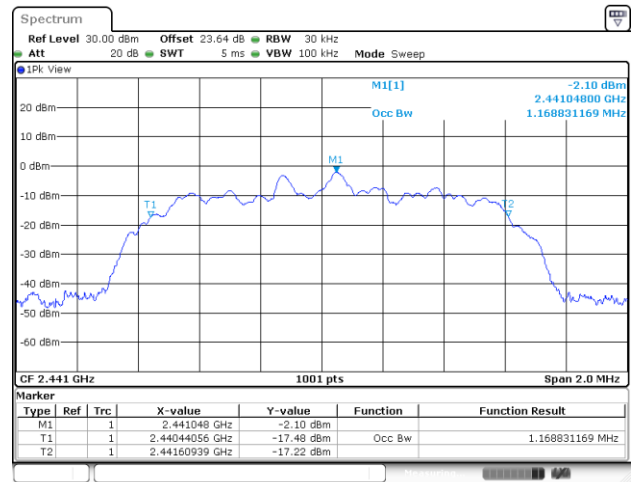


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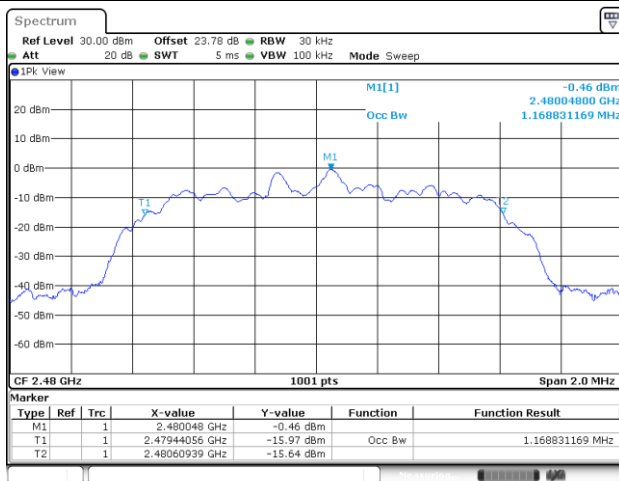
99% Occupied Bandwidth on Channel 00



99% Occupied Bandwidth on Channel 39



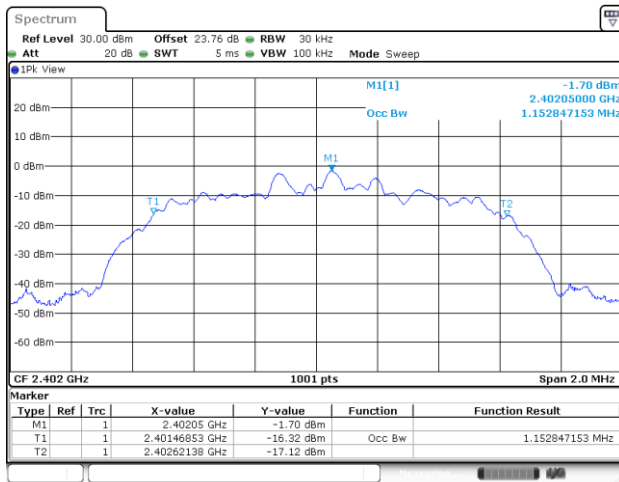
99% Occupied Bandwidth on Channel 78



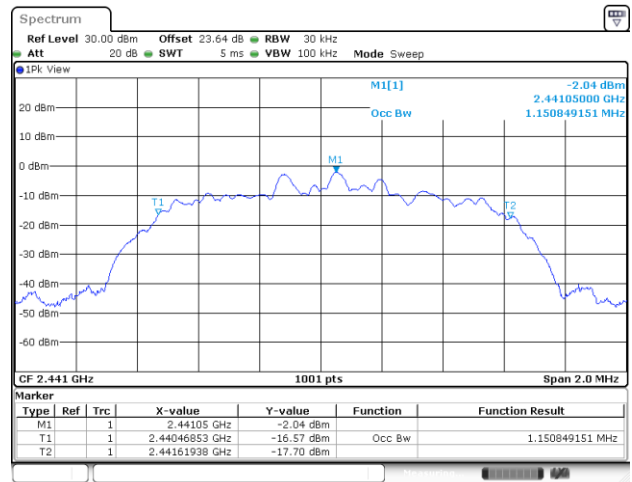


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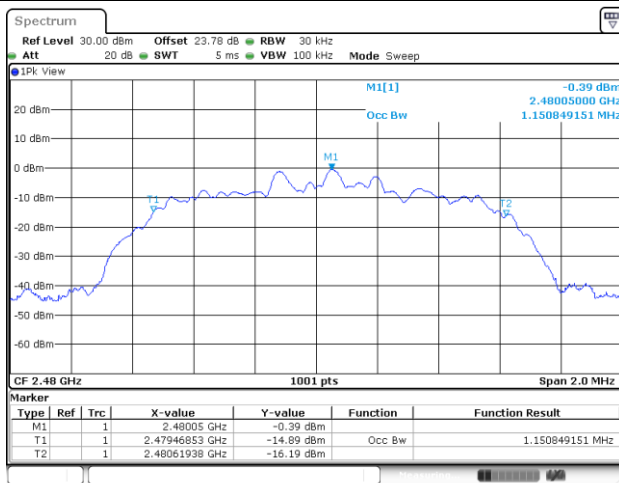
99% Occupied Bandwidth on Channel 00



99% Occupied Bandwidth on Channel 39



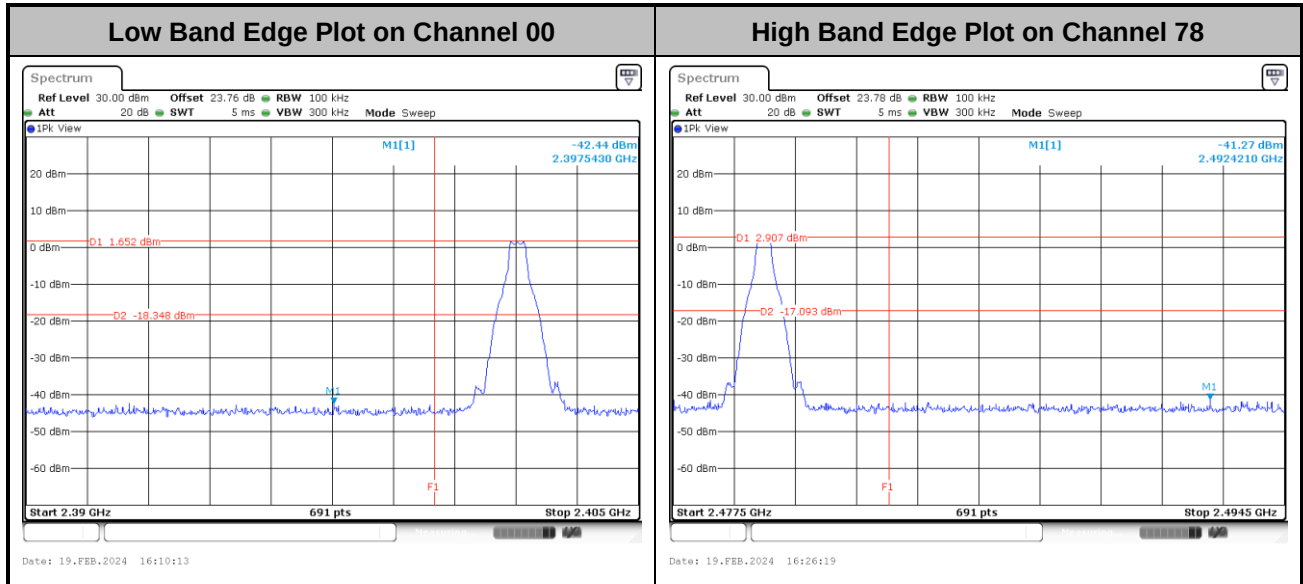
99% Occupied Bandwidth on Channel 78





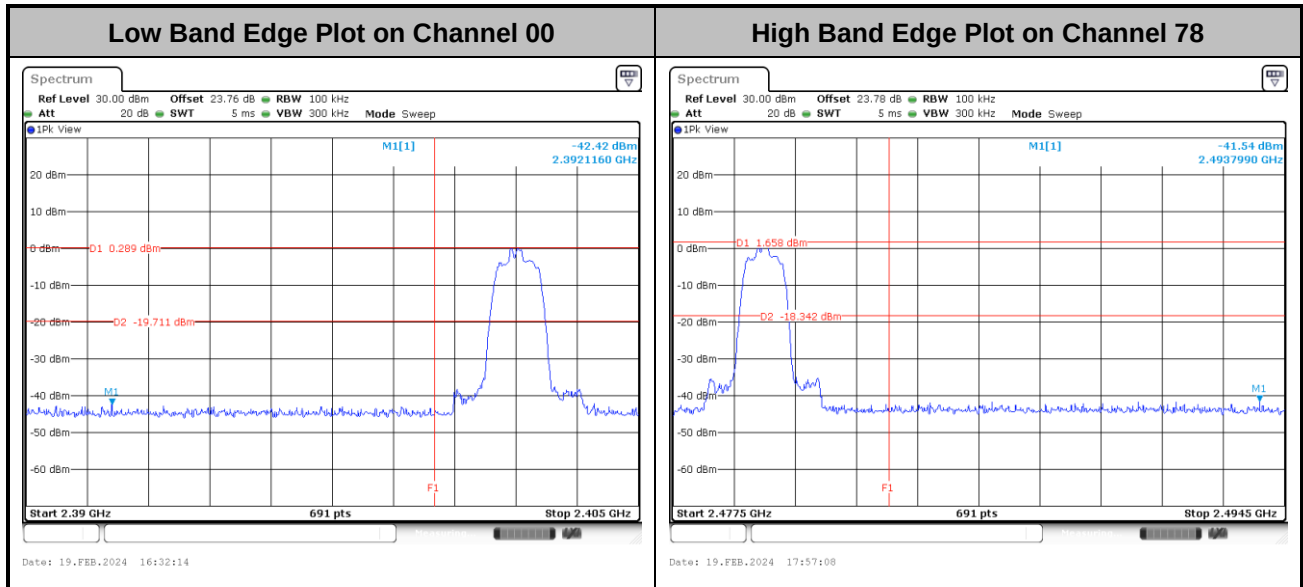
Band Edges

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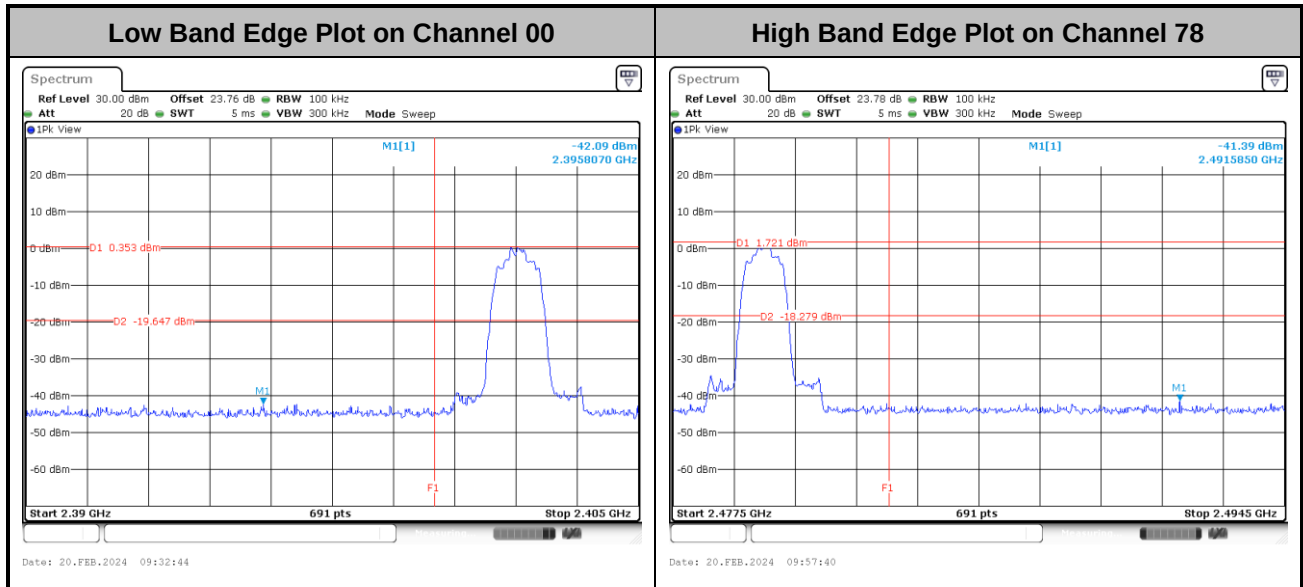


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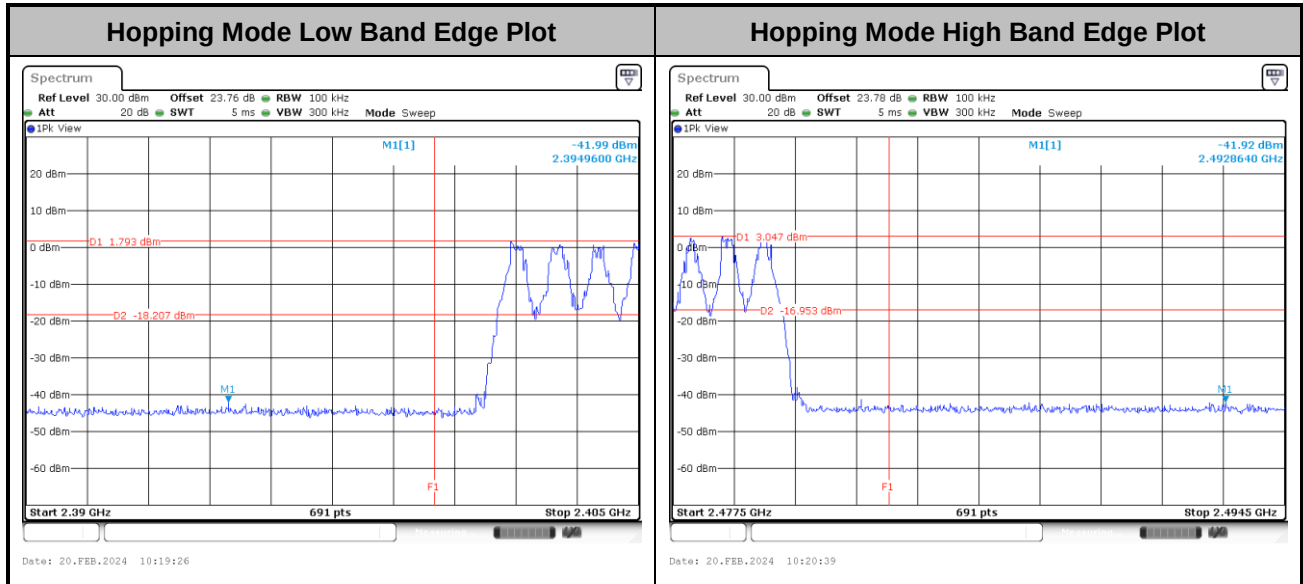
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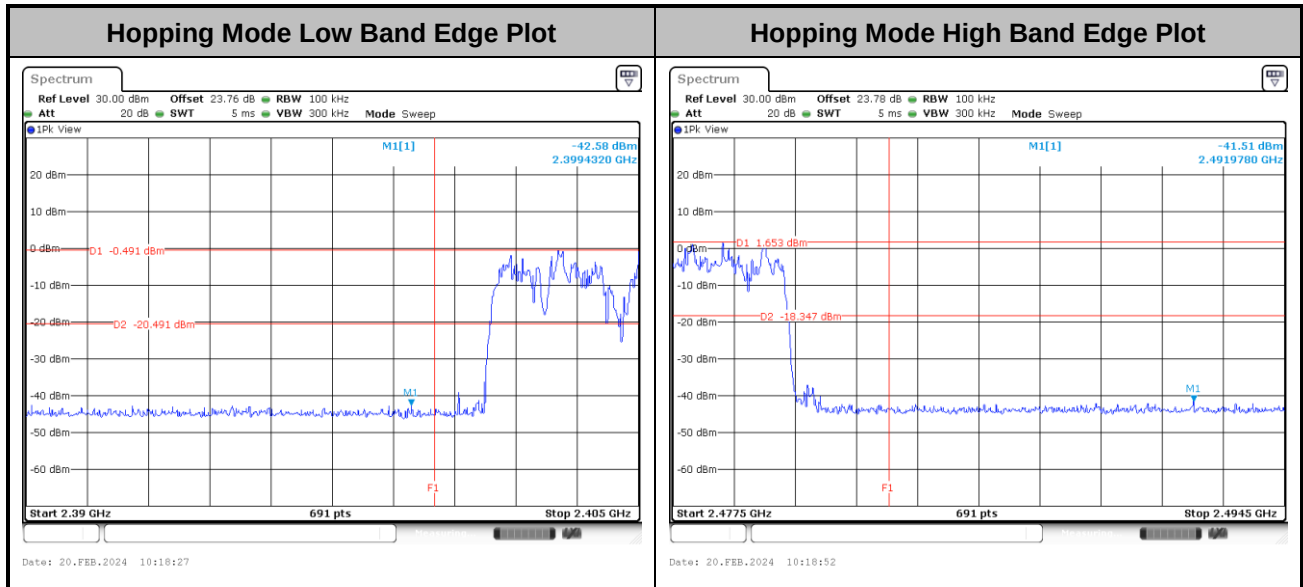
Hopping Mode Band Edges

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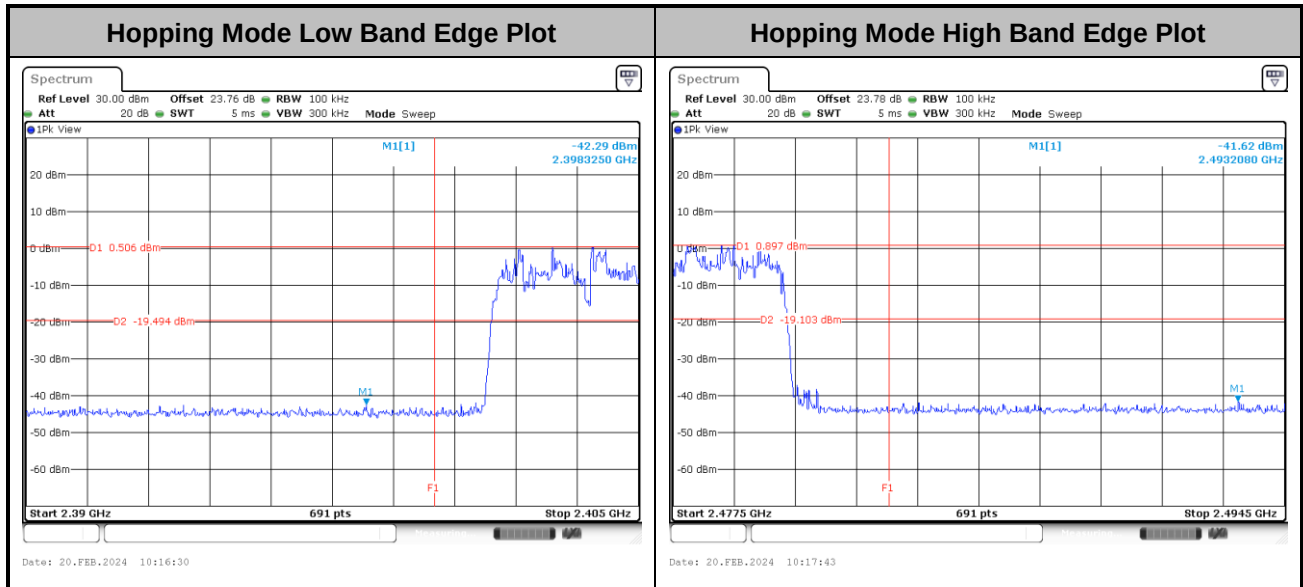


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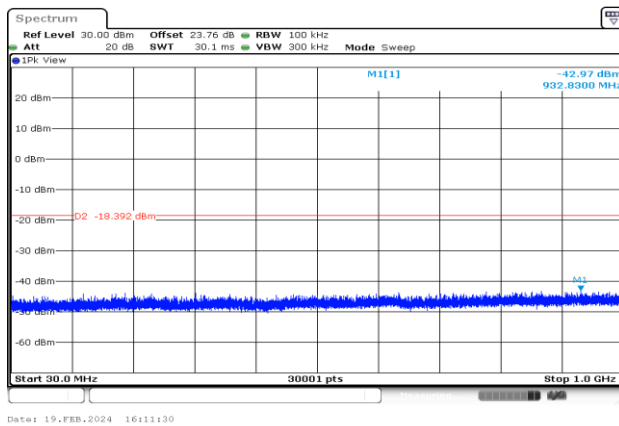
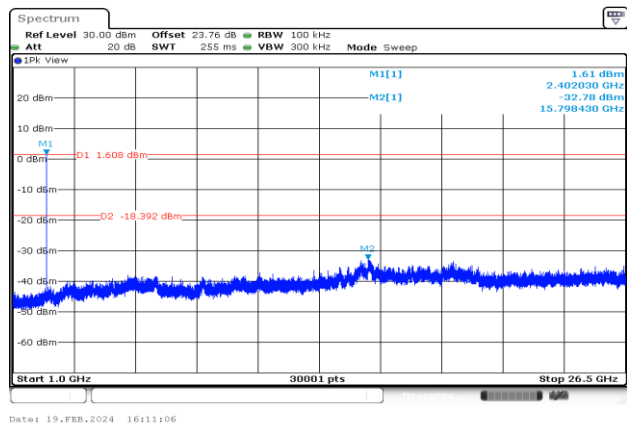
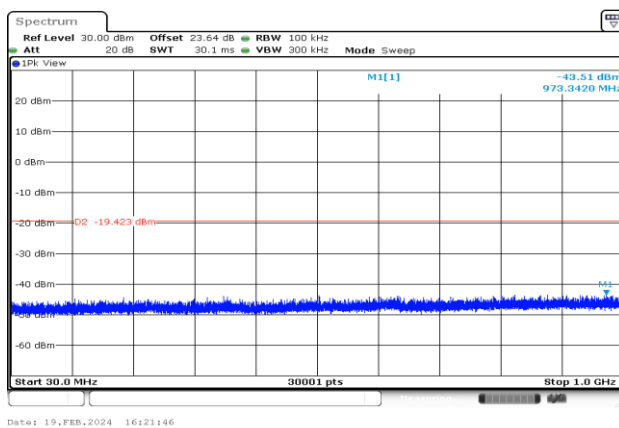
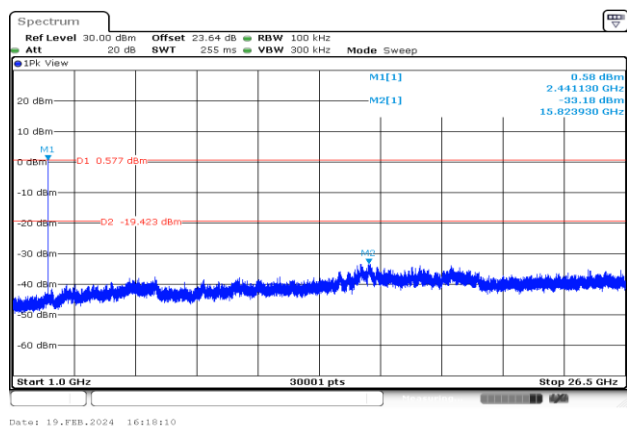
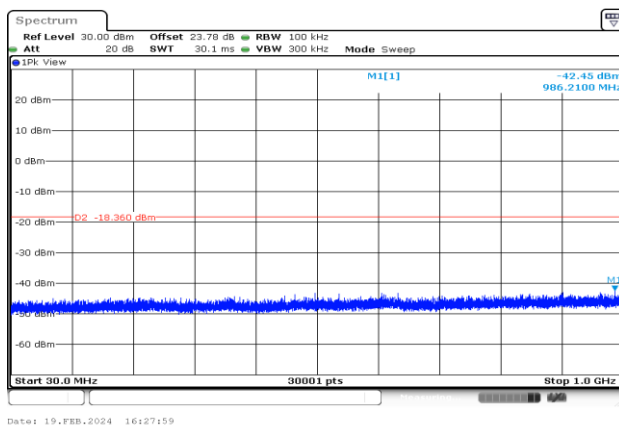
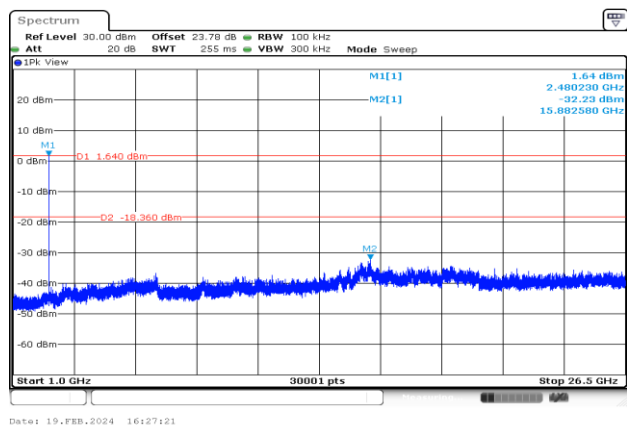


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**Conducted Spurious Emission**

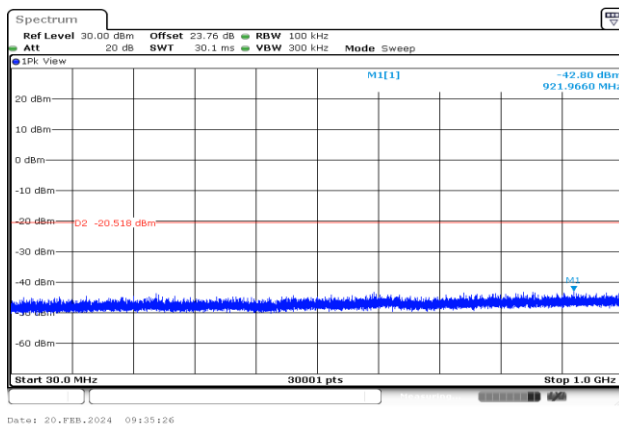
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CSE Plot on Low Ch between 30MHz ~ 1 GHz**CSE Plot on Low Ch between 1GHz ~ 26.5GHz****CSE Plot on Mid. Ch between 30MHz ~ 1 GHz****CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz****CSE Plot on High Ch between 30MHz ~ 1 GHz****CSE Plot on High Ch between 1GHz ~ 26.5GHz**

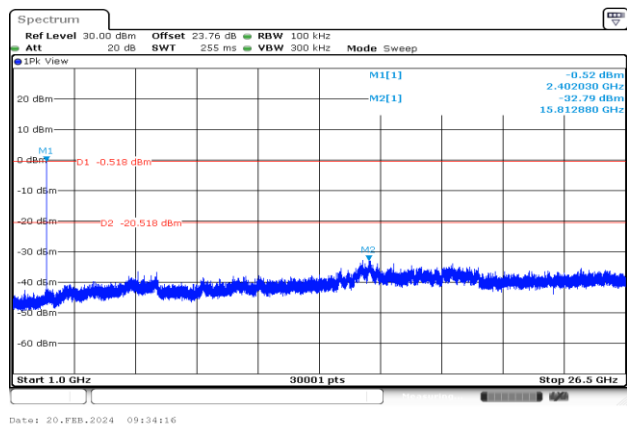


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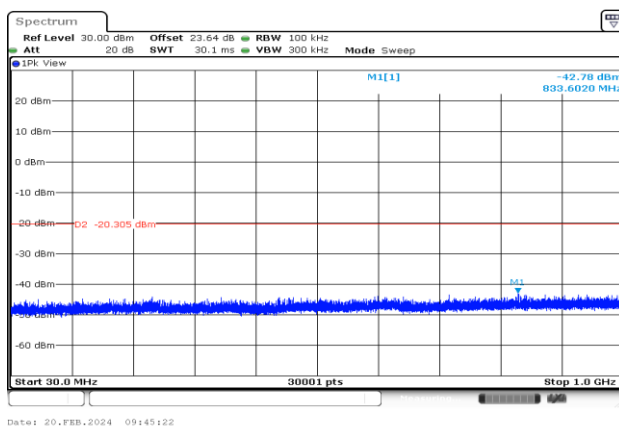
CSE Plot on Low Ch between 30MHz ~ 1 GHz



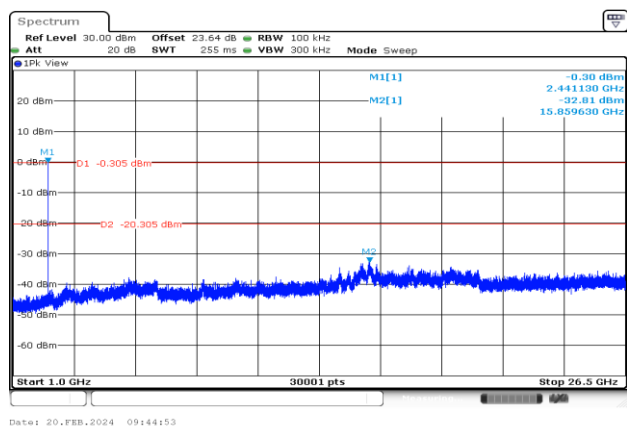
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



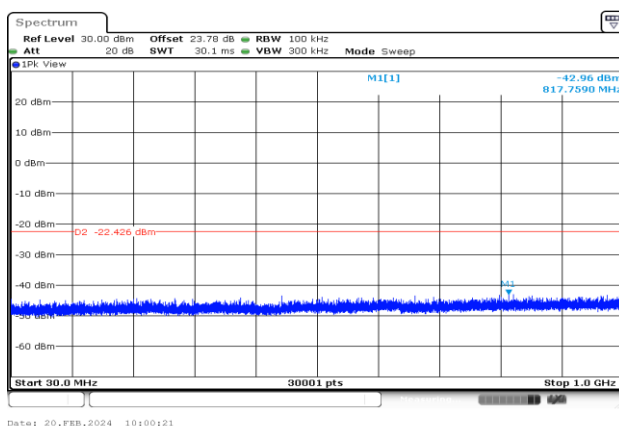
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



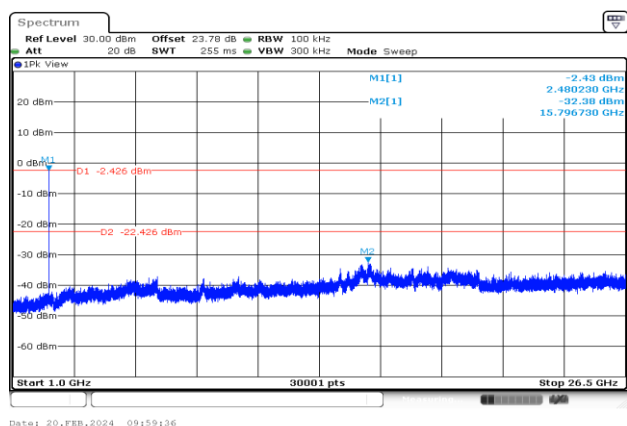
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



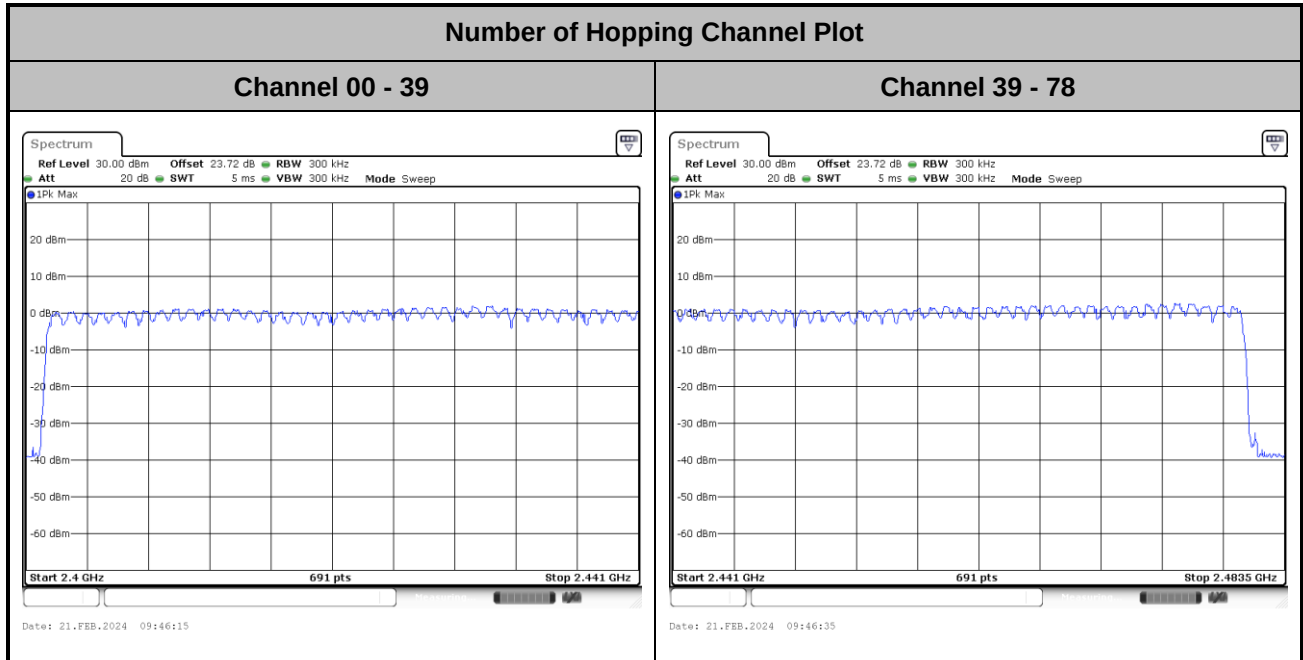
CSE Plot on High Ch between 1GHz ~ 26.5GHz





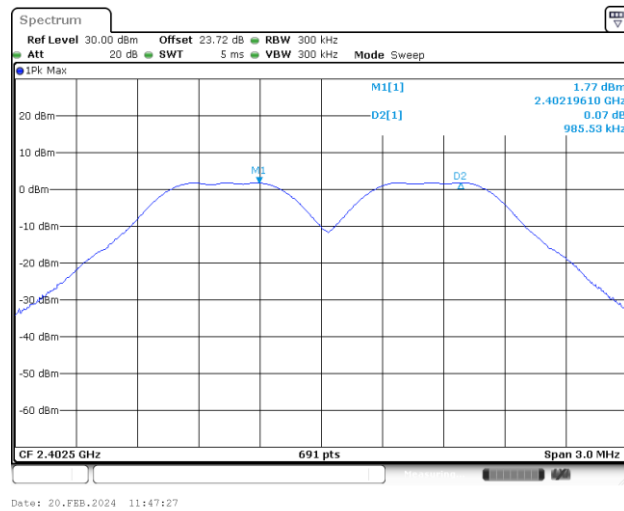
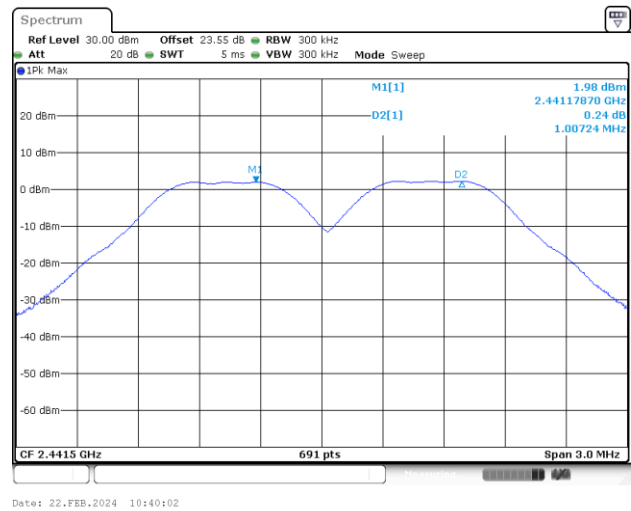
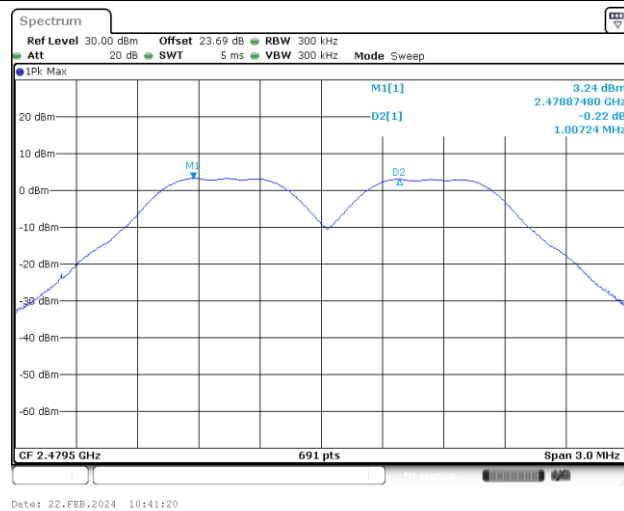
<Ant. 7>

Number of Hopping Frequency



**Hopping Channel Separation**

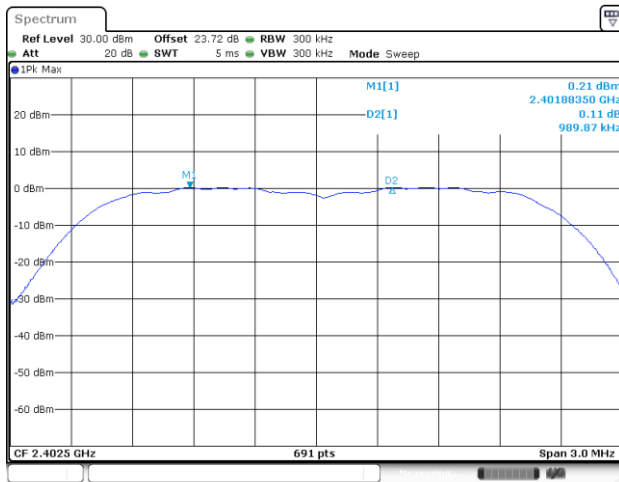
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Channel Separation Plot on Channel 00 - 01**Channel Separation Plot on Channel 39 - 40****Channel Separation Plot on Channel 77 - 78**

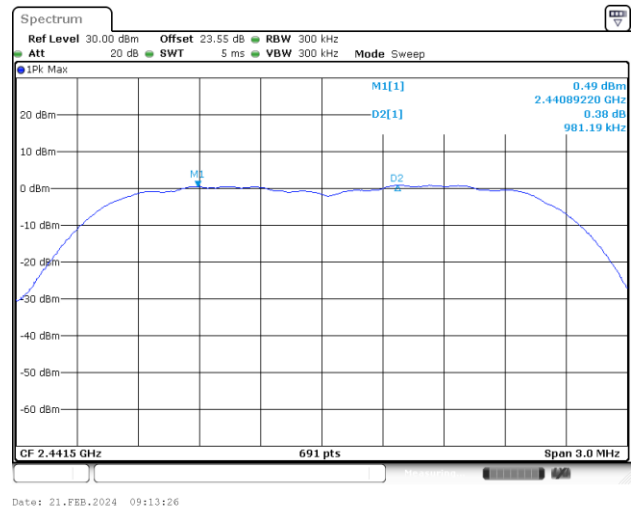


<2Mbps>

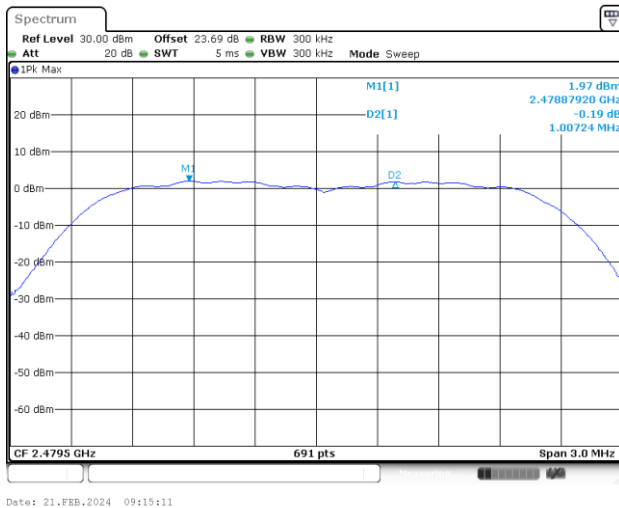
Channel Separation Plot on Channel 00 - 01



Channel Separation Plot on Channel 39 - 40



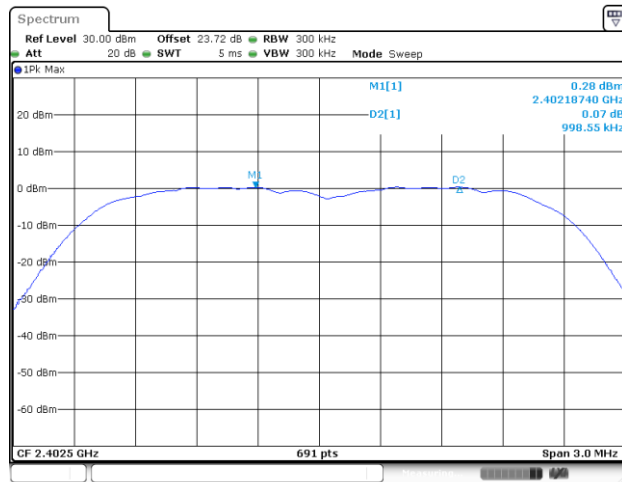
Channel Separation Plot on Channel 77 - 78



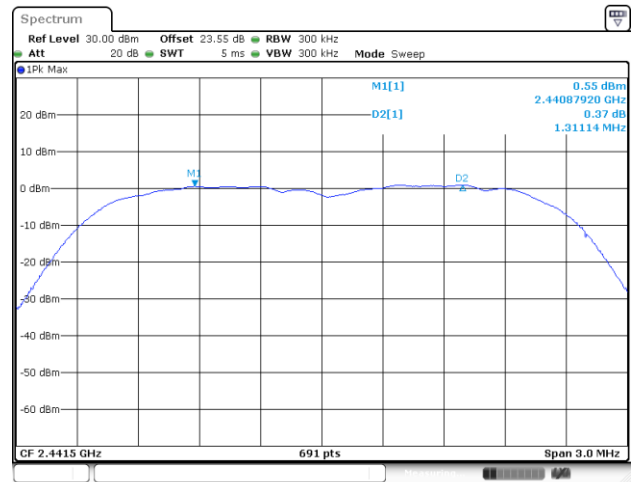


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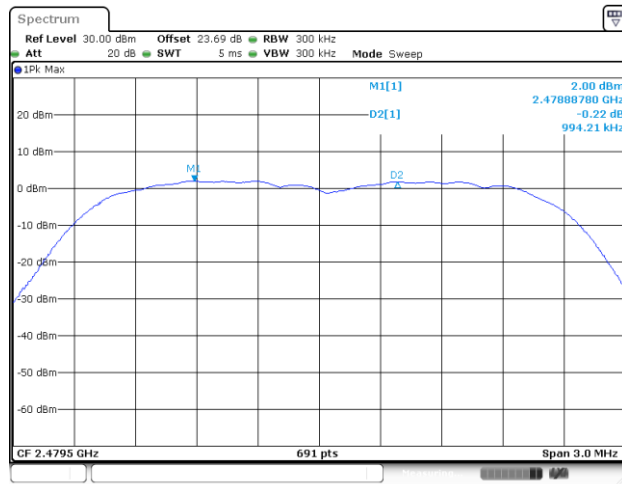
Channel Separation Plot on Channel 00 - 01



Channel Separation Plot on Channel 39 - 40

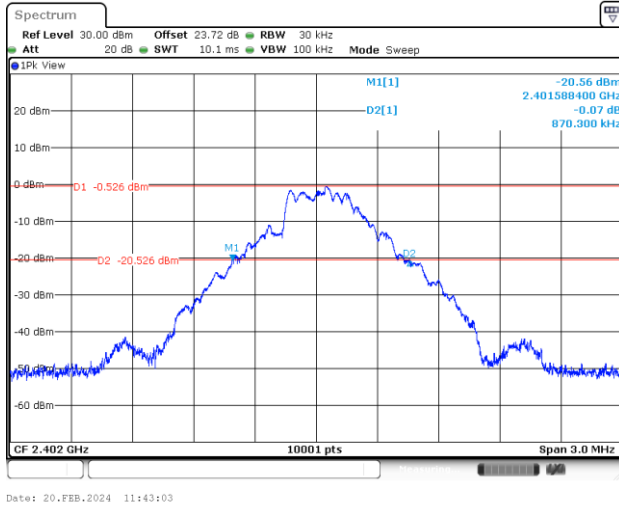
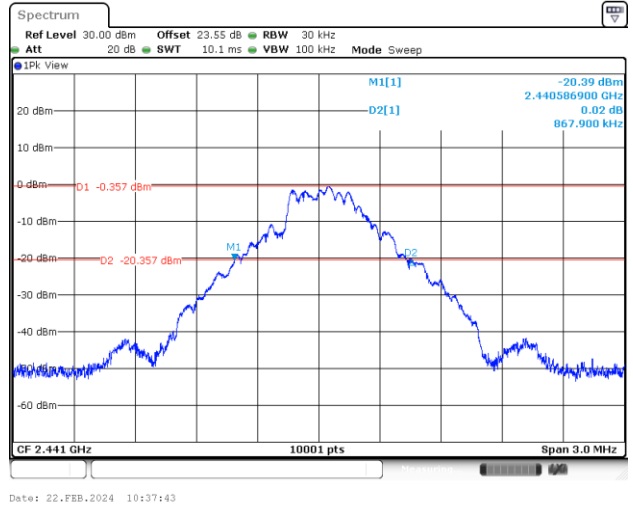
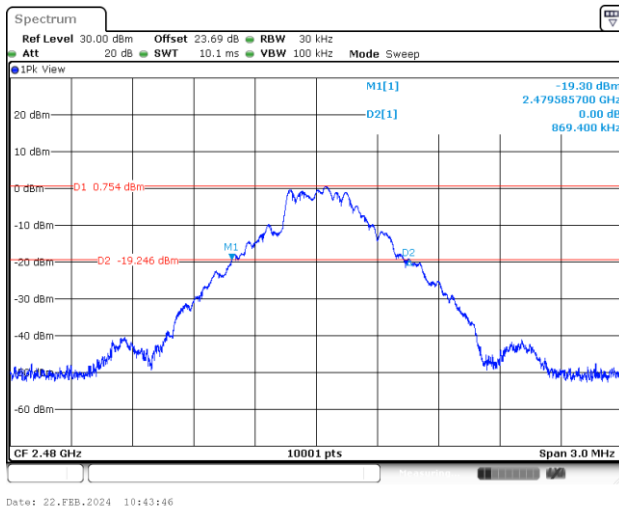


Channel Separation Plot on Channel 77 - 78



**20dB Bandwidth**

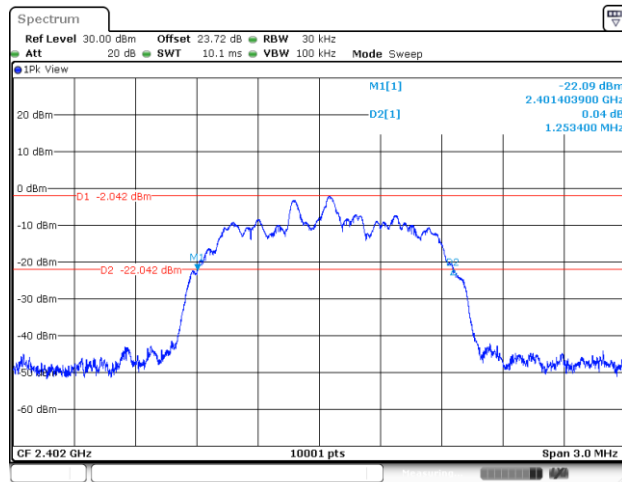
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20 dB Bandwidth Plot in Channel 00**20 dB Bandwidth Plot in Channel 39****20 dB Bandwidth Plot in Channel 78**

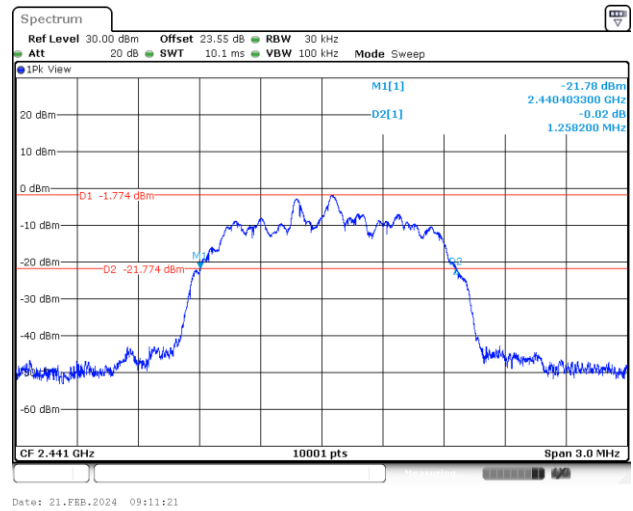


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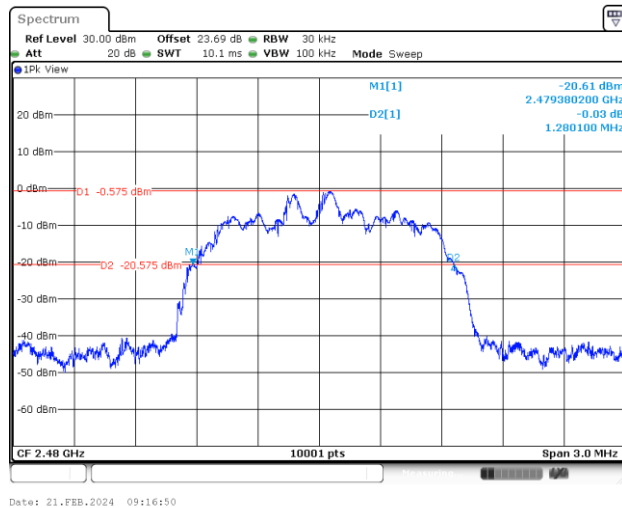
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39



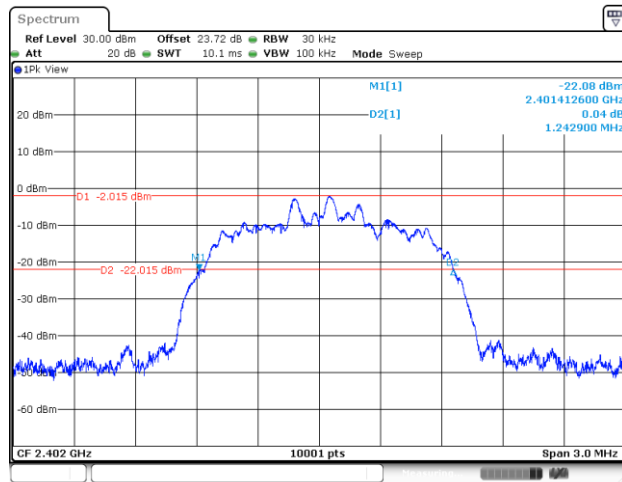
20 dB Bandwidth Plot in Channel 78



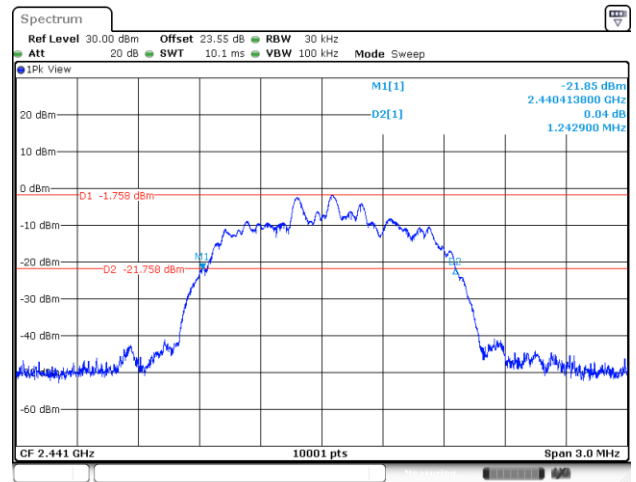


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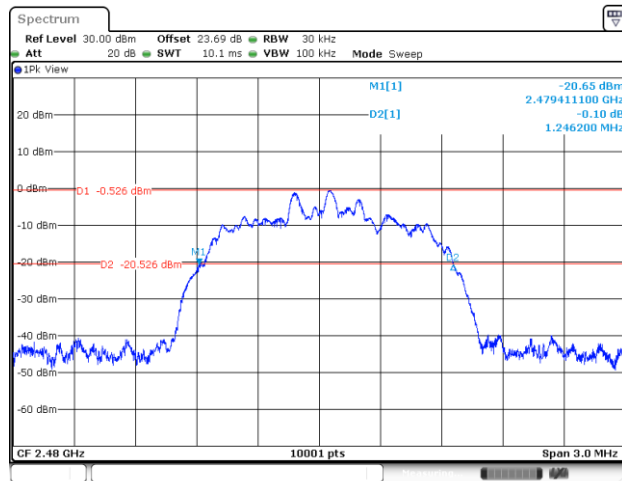
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39

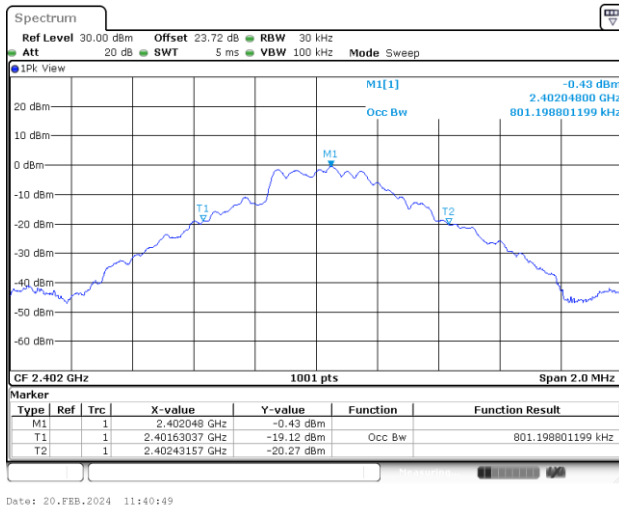
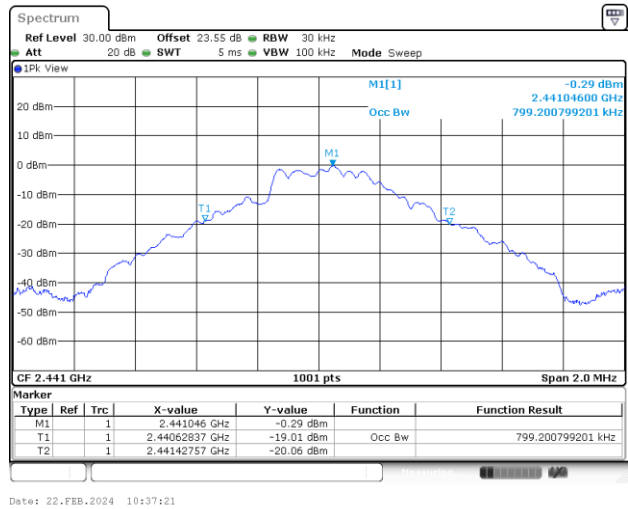
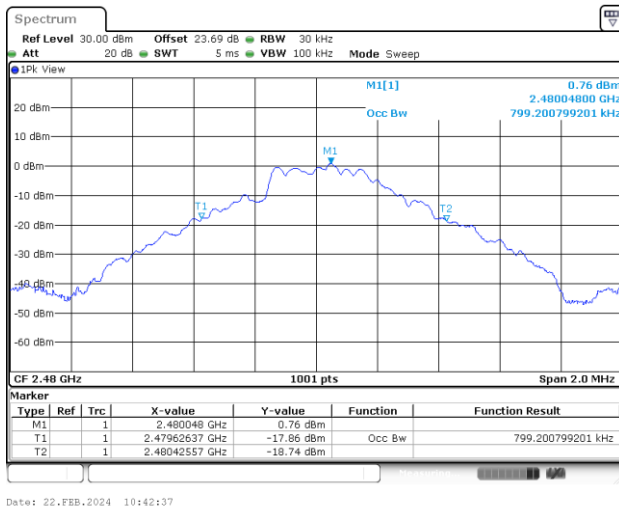


20 dB Bandwidth Plot in Channel 78



**99% Occupied Bandwidth**

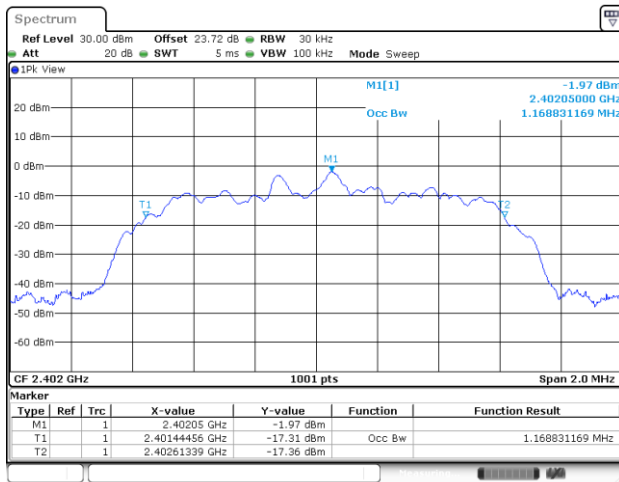
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99% Occupied Bandwidth on Channel 00**99% Occupied Bandwidth on Channel 39****99% Occupied Bandwidth on Channel 78**

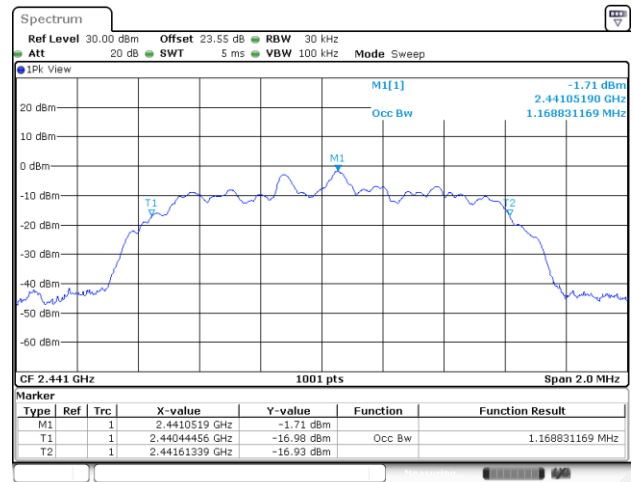


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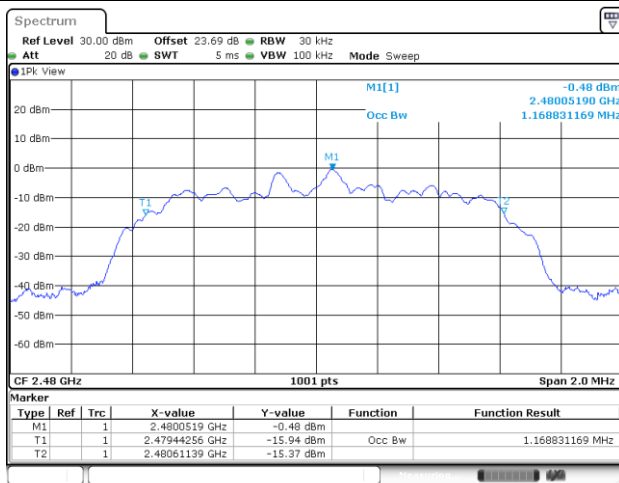
99% Occupied Bandwidth on Channel 00



99% Occupied Bandwidth on Channel 39



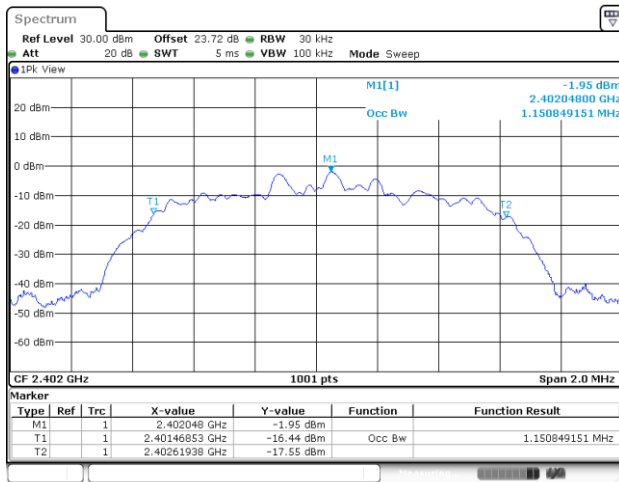
99% Occupied Bandwidth on Channel 78



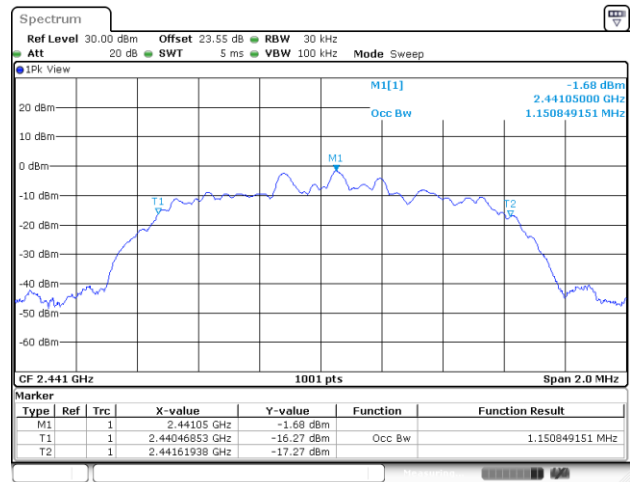


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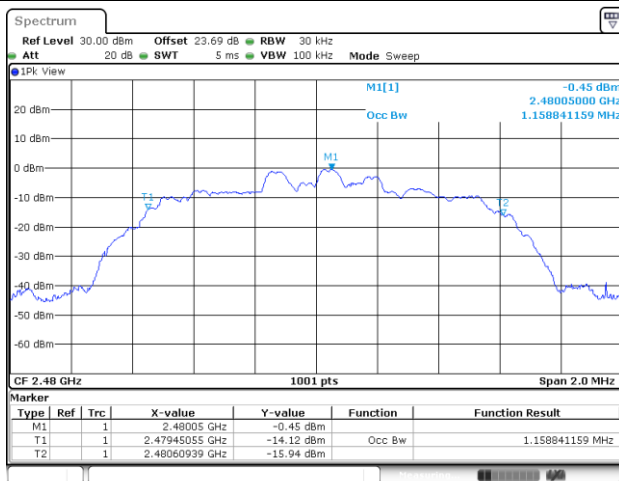
99% Occupied Bandwidth on Channel 00



99% Occupied Bandwidth on Channel 39



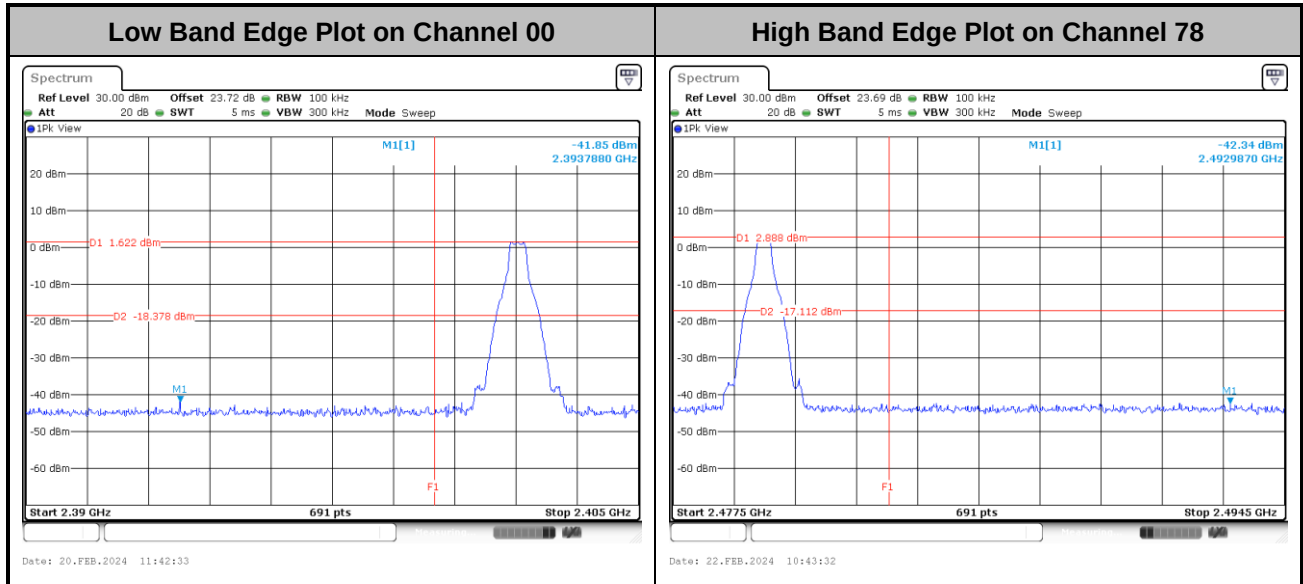
99% Occupied Bandwidth on Channel 78





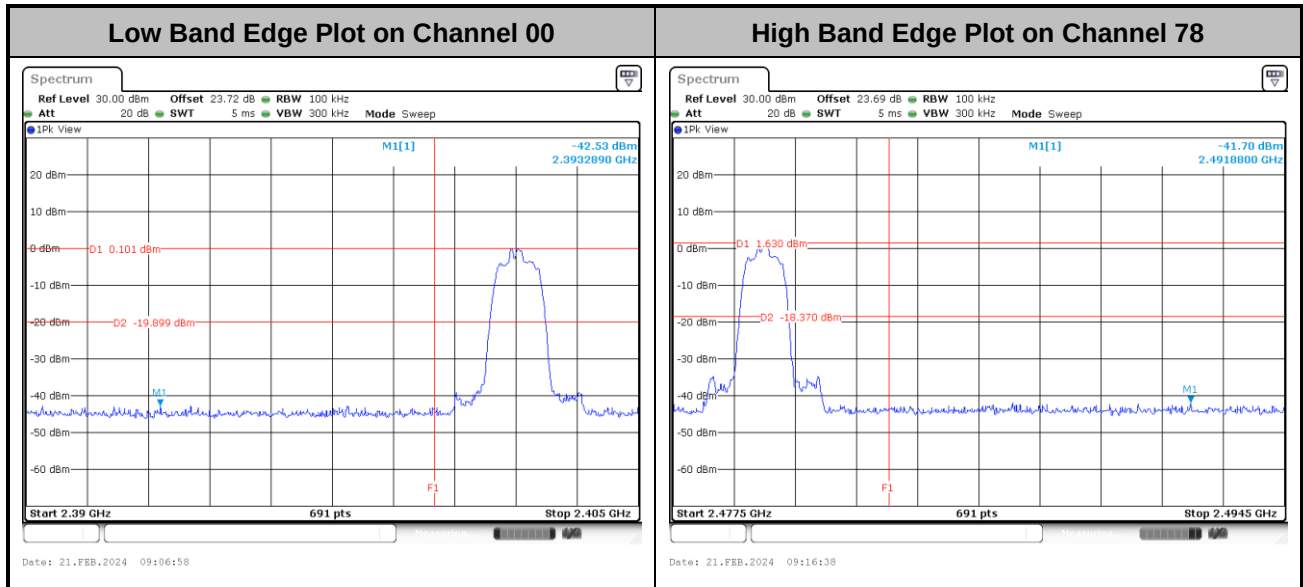
Band Edges

<1Mbps>



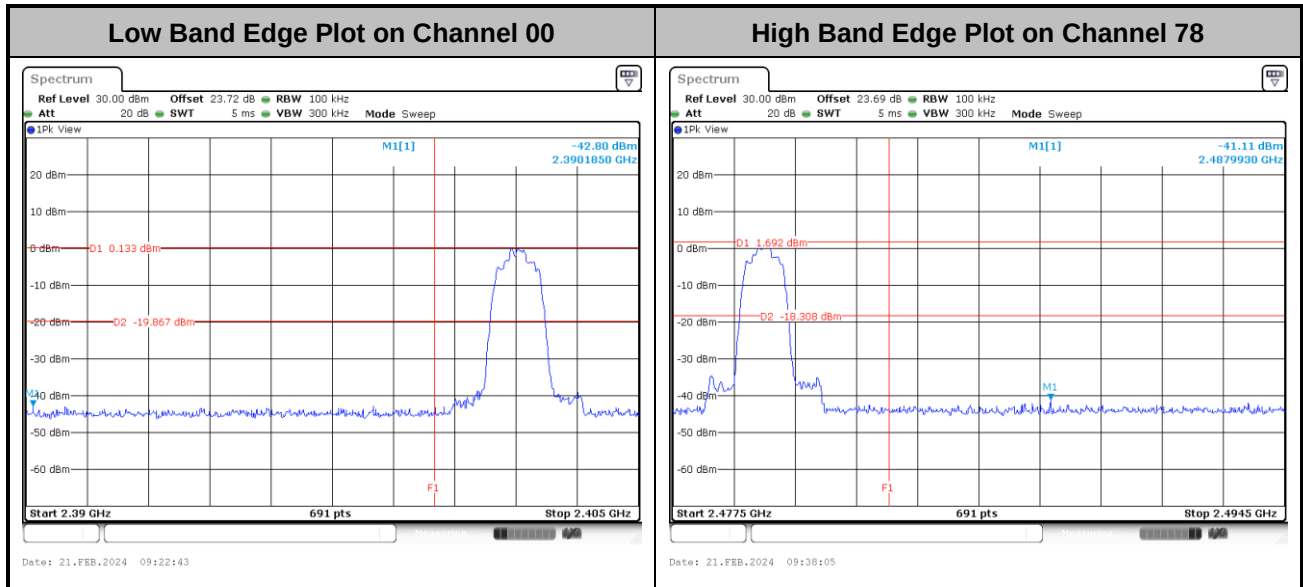


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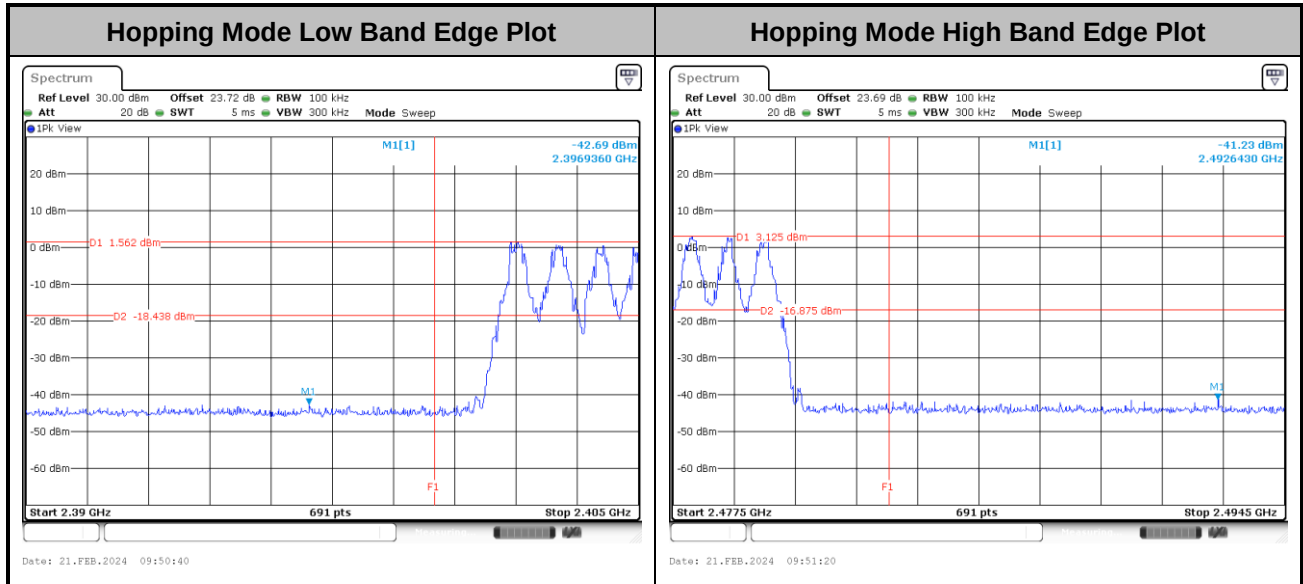
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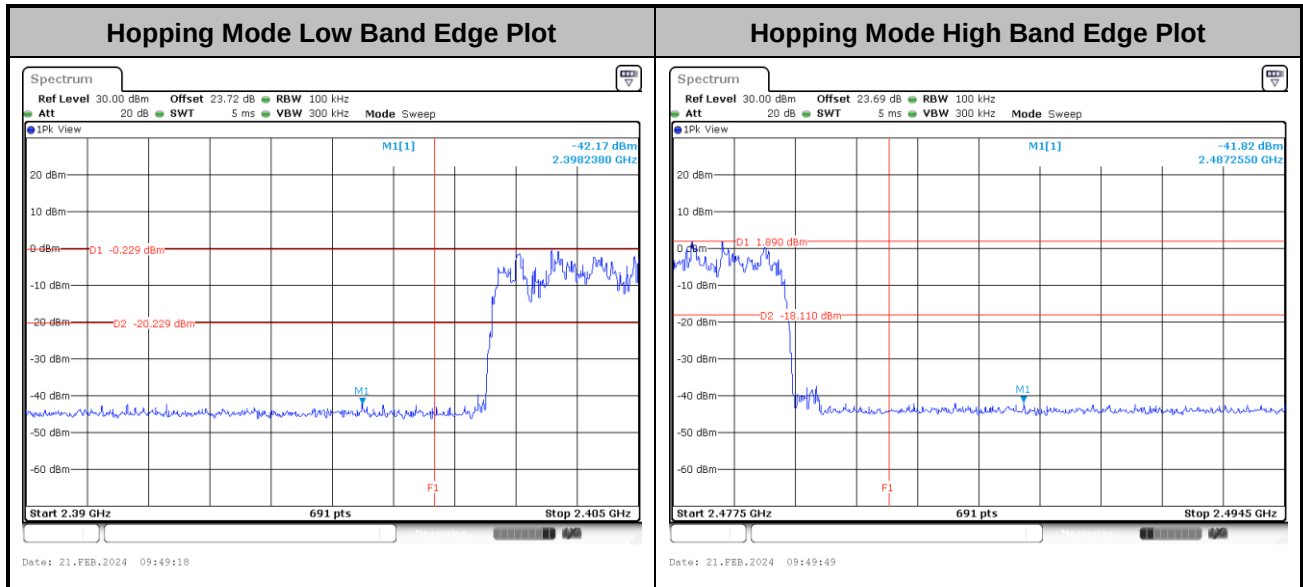
Hopping Mode Band Edges

<1Mbps>



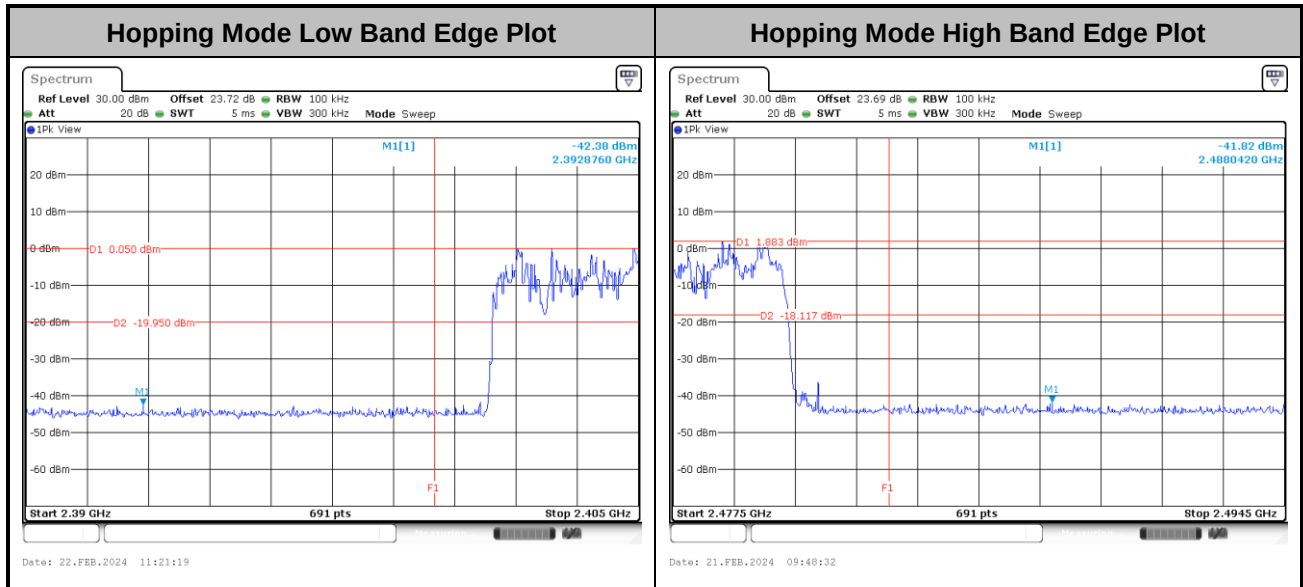


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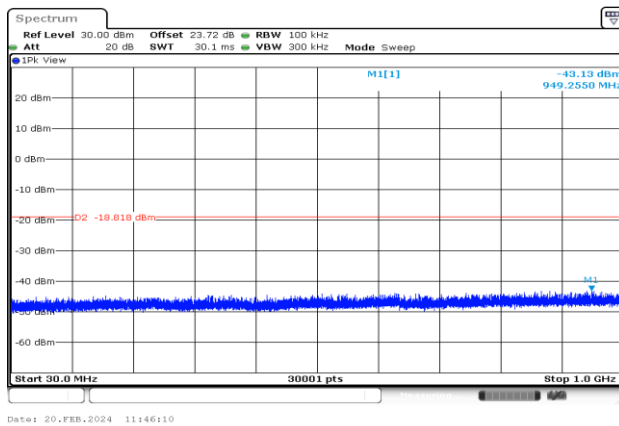
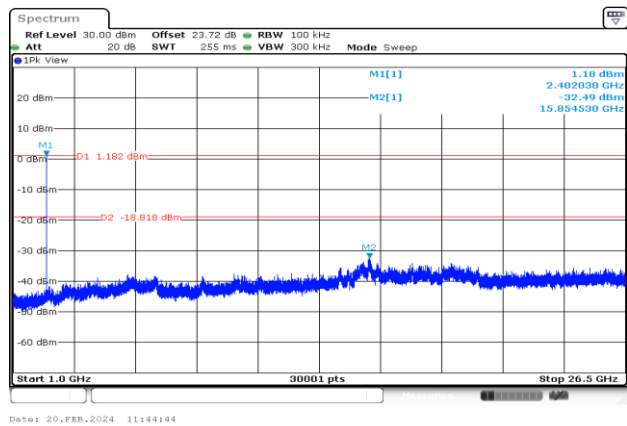
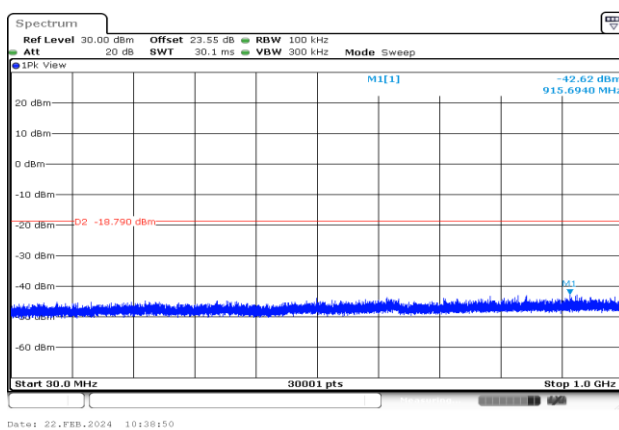
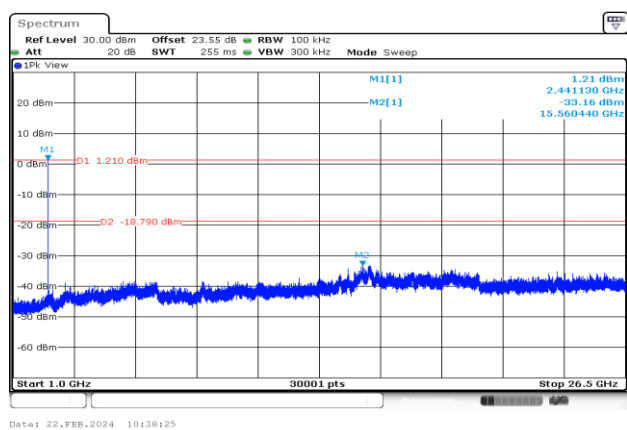
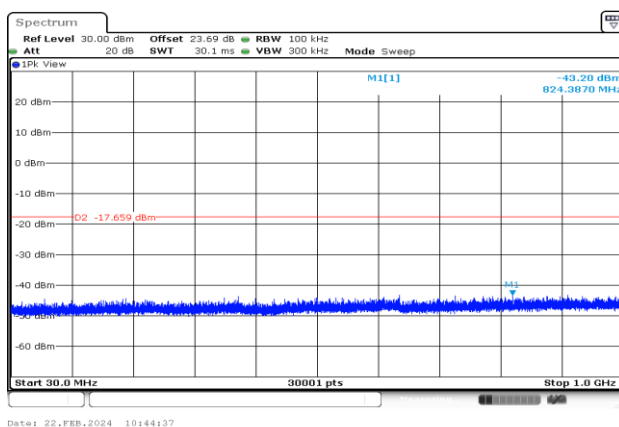
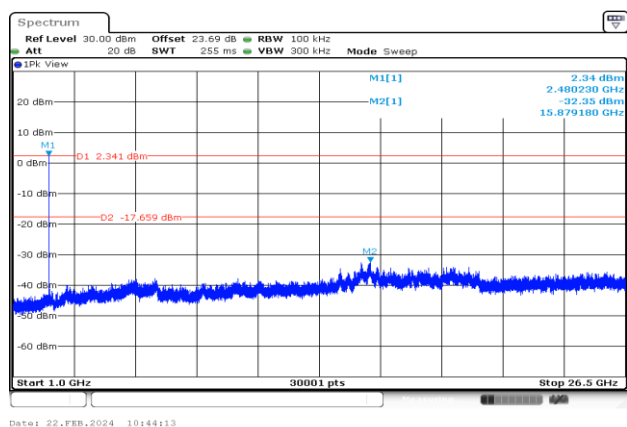


<3Mbps>



**Conducted Spurious Emission**

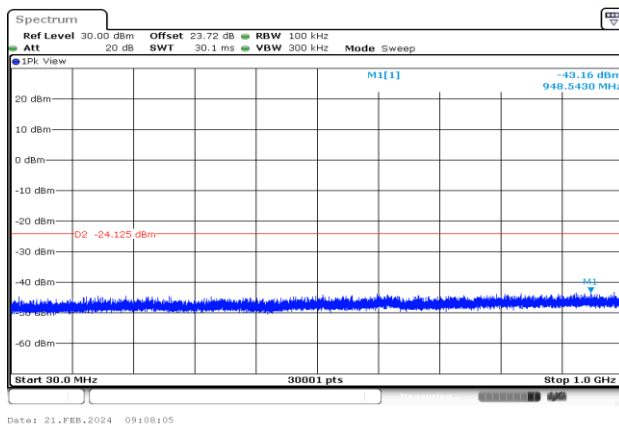
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CSE Plot on Low Ch between 30MHz ~ 1 GHz**CSE Plot on Low Ch between 1GHz ~ 26.5GHz****CSE Plot on Mid. Ch between 30MHz ~ 1 GHz****CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz****CSE Plot on High Ch between 30MHz ~ 1 GHz****CSE Plot on High Ch between 1GHz ~ 26.5GHz**

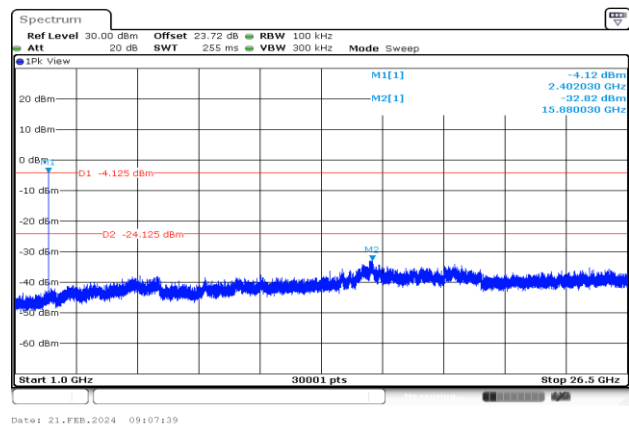


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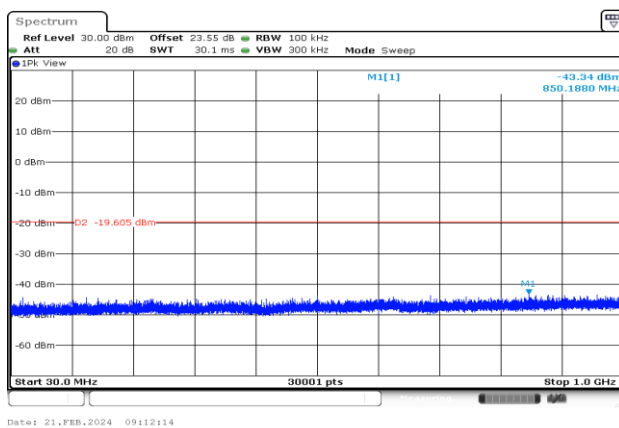
CSE Plot on Low Ch between 30MHz ~ 1 GHz



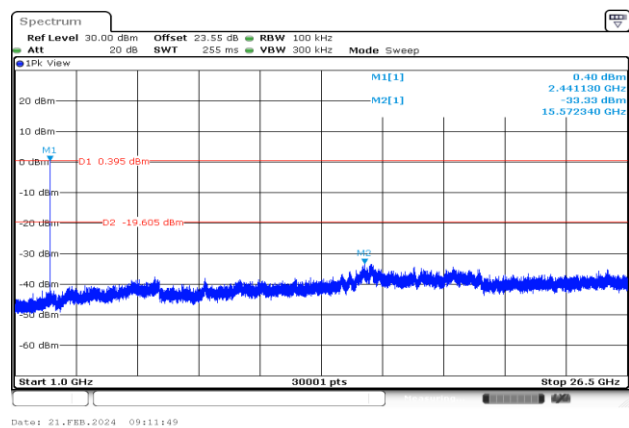
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



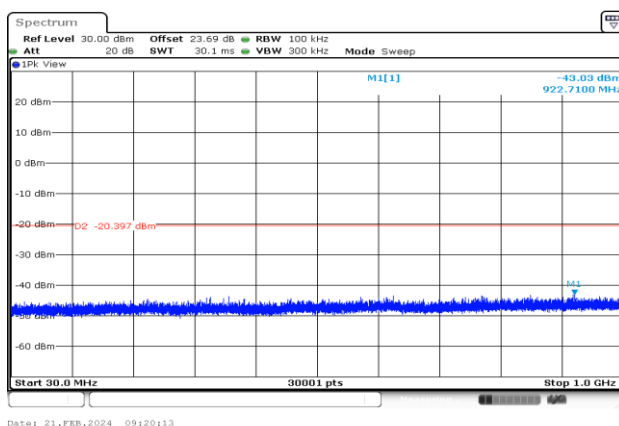
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



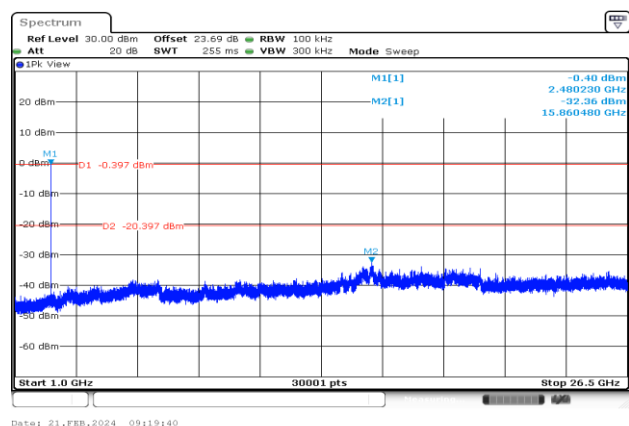
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



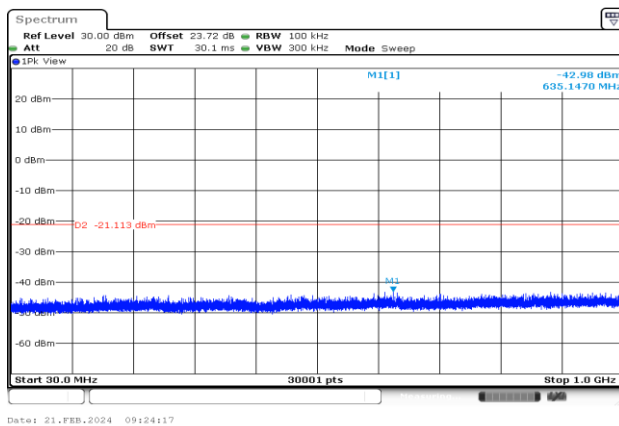
CSE Plot on High Ch between 1GHz ~ 26.5GHz



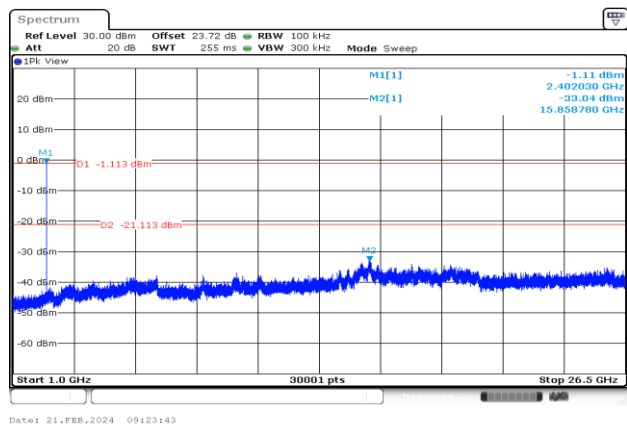


<3Mbps>

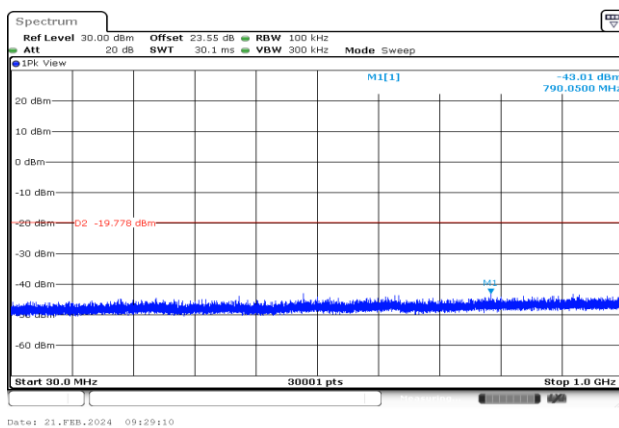
CSE Plot on Low Ch between 30MHz ~ 1 GHz



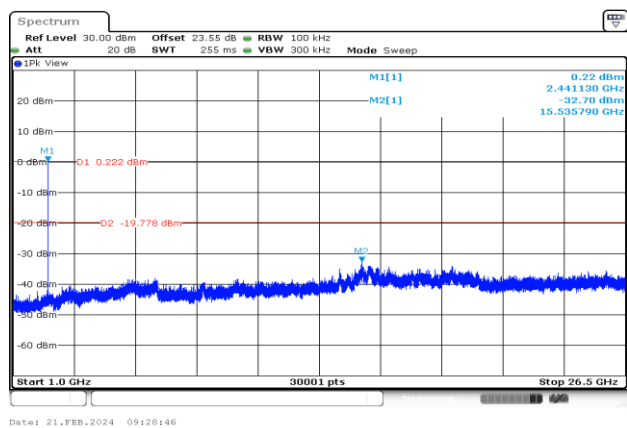
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



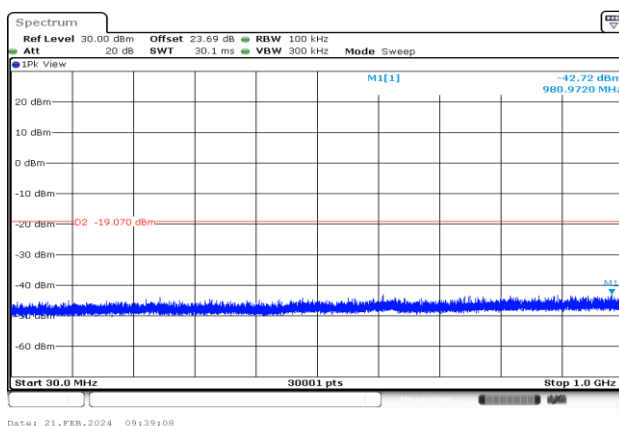
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



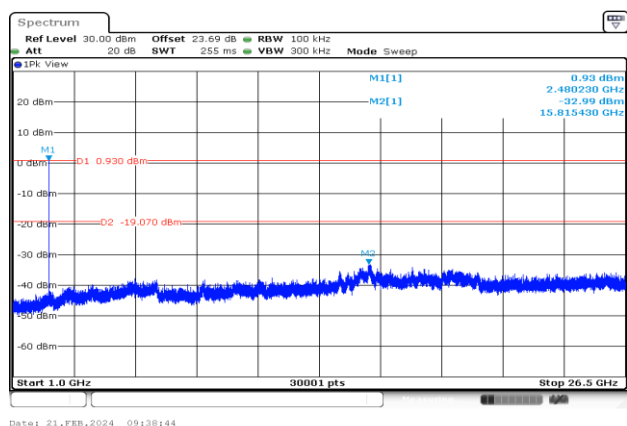
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



CSE Plot on High Ch between 1GHz ~ 26.5GHz





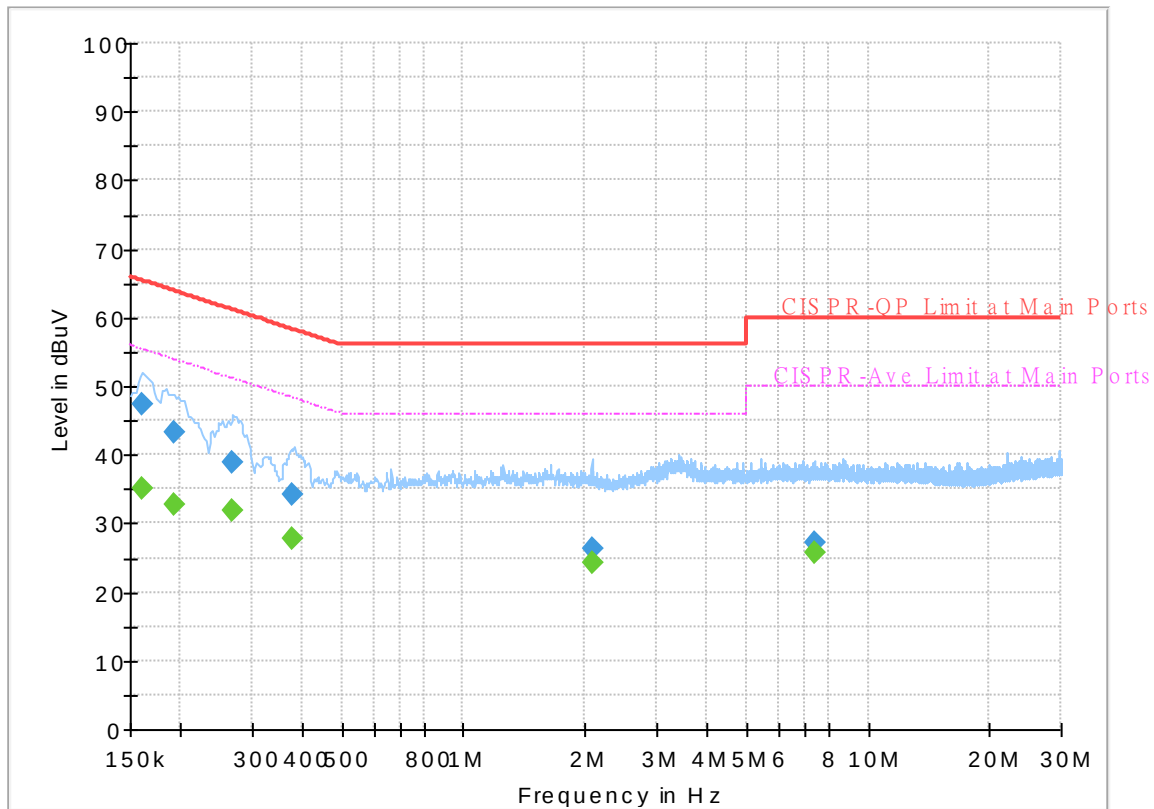
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



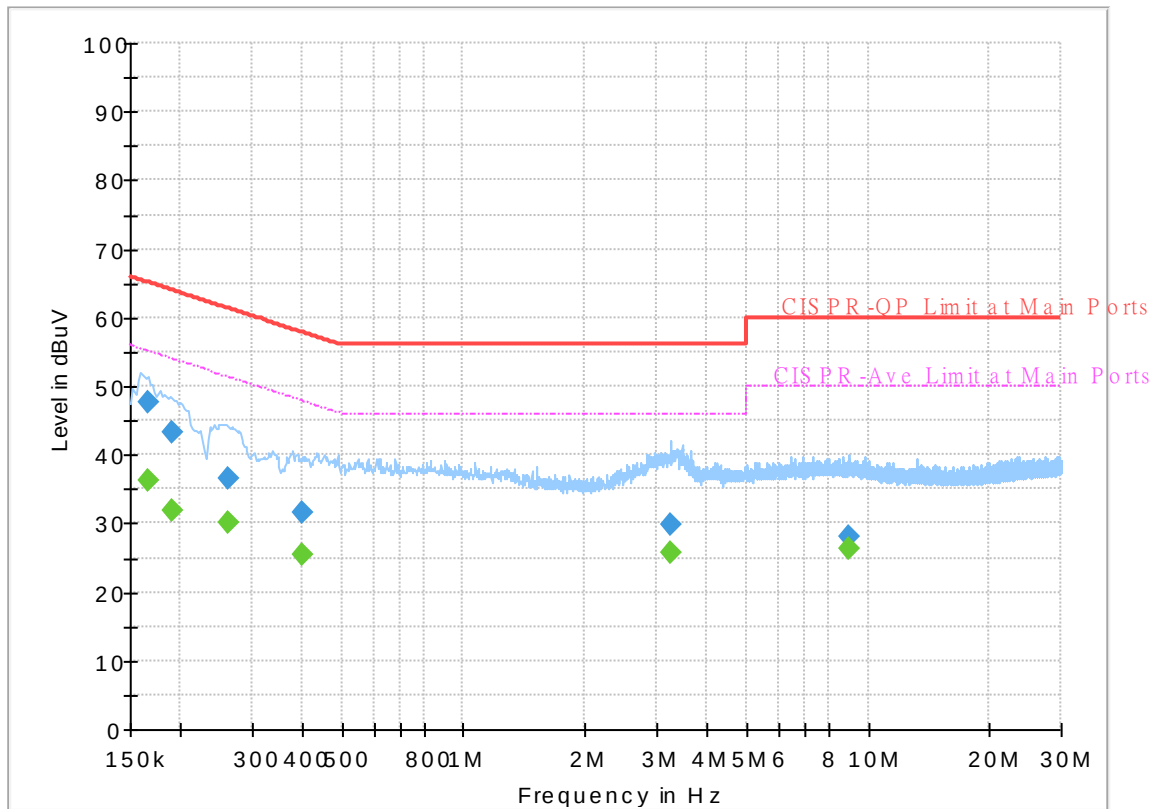
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	35.00	55.40	20.40	L1	OFF	19.8
0.161250	47.38	---	65.40	18.02	L1	OFF	19.8
0.192750	---	32.65	53.92	21.27	L1	OFF	19.8
0.192750	43.19	---	63.92	20.73	L1	OFF	19.8
0.269250	---	31.99	51.14	19.15	L1	OFF	19.8
0.269250	38.95	---	61.14	22.19	L1	OFF	19.8
0.377250	---	27.67	48.34	20.67	L1	OFF	19.8
0.377250	34.11	---	58.34	24.23	L1	OFF	19.8
2.073750	---	24.21	46.00	21.79	L1	OFF	19.9
2.073750	26.43	---	56.00	29.57	L1	OFF	19.9
7.345500	---	25.66	50.00	24.34	L1	OFF	20.0
7.345500	27.05	---	60.00	32.95	L1	OFF	20.0

EUT Information

Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	36.31	55.17	18.86	N	OFF	19.8
0.165750	47.69	---	65.17	17.48	N	OFF	19.8
0.190500	---	31.97	54.02	22.05	N	OFF	19.8
0.190500	43.34	---	64.02	20.68	N	OFF	19.8
0.262500	---	30.23	51.35	21.12	N	OFF	19.8
0.262500	36.64	---	61.35	24.71	N	OFF	19.8
0.399750	---	25.52	47.86	22.34	N	OFF	19.8
0.399750	31.65	---	57.86	26.21	N	OFF	19.8
3.241500	---	25.66	46.00	20.34	N	OFF	19.9
3.241500	29.73	---	56.00	26.27	N	OFF	19.9
8.934000	---	26.24	50.00	23.76	N	OFF	20.1
8.934000	27.95	---	60.00	32.05	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	19.5~23.5°C
		Relative Humidity :	64.9~70.7%

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT Ant	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2390	40.35	-33.65	74	40.64	27.26	8.69	36.24	100	348	P	H
		2390	15.56	-38.44	54	-	-	-	-	-	-	A	H
	*	2402	103.93	-	-	104.16	27.31	8.71	36.25	100	348	P	H
	*	2402	79.14	-	-	-	-	-	-	-	-	A	H
													H
													H
		2387.91	39.81	-34.19	74	40.11	27.25	8.69	36.24	250	260	P	V
		2387.91	15.02	-38.98	54	-	-	-	-	-	-	A	V
	*	2402	101.74	-	-	101.97	27.31	8.71	36.25	250	260	P	V
	*	2402	76.95	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2350.32	40.02	-33.98	74	40.53	27.1	8.62	36.23	100	348	P	H
		2350.32	15.23	-38.77	54	-	-	-	-	-	-	A	H
	*	2441	103.7	-	-	103.71	27.46	8.79	36.26	100	348	P	H
	*	2441	78.91	-	-	-	-	-	-	-	-	A	H
		2498.18	40.55	-33.45	74	40.25	27.69	8.89	36.28	100	348	P	H
		2498.18	15.76	-38.24	54	-	-	-	-	-	-	A	H
		2335.34	39.63	-34.37	74	40.16	27.1	8.59	36.22	250	269	P	V
		2335.34	14.84	-39.16	54	-	-	-	-	-	-	A	V
	*	2441	100.75	-	-	100.76	27.46	8.79	36.26	250	269	P	V
	*	2441	75.96	-	-	-	-	-	-	-	-	A	V
		2483.83	40.35	-33.65	74	40.11	27.64	8.87	36.27	250	269	P	V
		2483.83	15.56	-38.44	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	103.48	-	-	103.27	27.62	8.86	36.27	200	350	P	H
	*	2480	78.69	-	-	-	-	-	-	-	-	A	H
		2483.56	46.99	-27.01	74	46.77	27.63	8.86	36.27	200	350	P	H
		2483.56	22.2	-31.8	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	99.56	-	-	99.35	27.62	8.86	36.27	350	262	P	V
	*	2480	74.77	-	-	-	-	-	-	-	-	A	V
		2483.52	43.55	-30.45	74	43.33	27.63	8.86	36.27	350	262	P	V
		2483.52	18.76	-35.24	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****BT (Harmonic @ 3m)**

BT Ant 6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	42.93	-31.07	74	35.11	32.4	12.92	37.5	-	-	P	H
		4804	18.14	-35.86	54	-	-	-	-	-	-	A	H
													H
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		4804	42.83	-31.17	74	35.01	32.4	12.92	37.5	-	-	P	V
		4804	18.04	-35.96	54	-	-	-	-	-	-	A	V
													V
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BT Ant 6	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 39 2441MHz		4882	44.28	-29.72	74	36.25	32.53	13.07	37.57	-	-	P	H
		4882	19.49	-34.51	54	-	-	-	-	-	-	A	H
		7323	48.41	-25.59	74	34.16	36.9	15.96	38.61	-	-	P	H
		7323	23.62	-30.38	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	43.86	-30.14	74	35.83	32.53	13.07	37.57	-	-	P	V
		4882	19.07	-34.93	54	-	-	-	-	-	-	A	V
		7323	47.97	-26.03	74	33.72	36.9	15.96	38.61	-	-	P	V
		7323	23.18	-30.82	54	-	-	-	-	-	-	A	V
													V
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2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2388.855	40.6	-33.4	74	40.89	27.26	8.69	36.24	112	321	P	H
		2388.855	15.81	-38.19	54	-	-	-	-	-	-	A	H
	*	2402	99.87	-	-	100.1	27.31	8.71	36.25	112	321	P	H
		2402	75.08	21.08	54	-	-	-	-	-	-	A	H
													H
													H
		2380.245	39.88	-34.12	74	40.23	27.22	8.67	36.24	117	98	P	V
		2380.245	15.09	-38.91	54	-	-	-	-	-	-	A	V
	*	2402	99.71	-	-	99.94	27.31	8.71	36.25	117	98	P	V
		2402	74.92	20.92	54	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2341.64	39.36	-34.64	74	39.89	27.1	8.6	36.23	200	349	P	H
		2341.64	14.57	-39.43	54	-	-	-	-	-	-	A	H
	*	2441	103.37	-	-	103.38	27.46	8.79	36.26	200	349	P	H
	*	2441	78.58	-	-	-	-	-	-	-	-	A	H
		2494.26	40.06	-33.94	74	39.78	27.68	8.88	36.28	200	349	P	H
		2494.26	15.27	-38.73	54	-	-	-	-	-	-	A	H
		2383.78	39.8	-34.2	74	40.12	27.24	8.68	36.24	250	242	P	V
		2383.78	15.01	-38.99	54	-	-	-	-	-	-	A	V
	*	2441	100.57	-	-	100.58	27.46	8.79	36.26	250	242	P	V
	*	2441	75.78	-	-	-	-	-	-	-	-	A	V
		2491.32	40.17	-33.83	74	39.9	27.67	8.88	36.28	250	242	P	V
		2491.32	15.38	-38.62	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	103.4	-	-	103.19	27.62	8.86	36.27	200	350	P	H
	*	2480	78.61	-	-	-	-	-	-	-	-	A	H
		2483.52	47.7	-26.3	74	47.48	27.63	8.86	36.27	200	350	P	H
		2483.52	22.91	-31.09	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	99.66	-	-	99.45	27.62	8.86	36.27	350	259	P	V
	*	2480	74.87	-	-	-	-	-	-	-	-	A	V
		2483.92	43.63	-30.37	74	43.39	27.64	8.87	36.27	350	259	P	V
		2483.92	18.84	-35.16	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	42.4	-31.6	74	34.58	32.4	12.92	37.5	-	-	P	H
		4804	17.61	-36.39	54	-	-	-	-	-	-	A	H
													H
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													H
		4804	42.39	-31.61	74	34.57	32.4	12.92	37.5	-	-	P	V
		4804	17.6	-36.4	54	-	-	-	-	-	-	A	V
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BT Ant 7	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 39 2441MHz		4882	42.89	-31.11	74	34.86	32.53	13.07	37.57	-	-	P	H
		4882	18.1	-35.9	54	-	-	-	-	-	-	A	H
		7323	47.92	-26.08	74	33.67	36.9	15.96	38.61	-	-	P	H
		7323	23.13	-30.87	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		4882	43.28	-30.72	74	35.25	32.53	13.07	37.57	-	-	P	V
		4882	18.49	-35.51	54	-	-	-	-	-	-	A	V
		7323	48.46	-25.54	74	34.21	36.9	15.96	38.61	-	-	P	V
		7323	23.67	-30.33	54	-	-	-	-	-	-	A	V
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Emission above 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT SHF		24223	42.13	-31.87	74	37.9	38.81	19.14	53.72	-	-	P	H
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Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT LF		30.17	25.53	-14.47	40	34.9	24.92	1.3	35.59	-	-	P	H
		140.33	20.43	-23.07	43.5	35.74	17.81	2.33	35.45	-	-	P	H
		180.11	20.41	-23.09	43.5	38.05	15.15	2.58	35.37	-	-	P	H
		261.6	23.64	-22.36	46	35.58	20.21	3.05	35.2	-	-	P	H
		728.8	32.93	-13.07	46	33.9	27.79	5.03	33.79	-	-	P	H
		964	36.05	-17.95	54	32.14	31	5.82	32.91	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		32.21	24.34	-15.66	40	34.68	23.97	1.28	35.59	-	-	P	V
		138.97	19.46	-24.04	43.5	34.78	17.81	2.32	35.45	-	-	P	V
		179.09	20.26	-23.24	43.5	37.86	15.2	2.57	35.37	-	-	P	V
		420	25.19	-20.81	46	33.55	22.55	3.86	34.77	-	-	P	V
		716.8	32.06	-13.94	46	33.82	27.11	4.99	33.86	-	-	P	V
		940.8	34.94	-11.06	46	31.98	30.24	5.73	33.01	-	-	P	V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is Margin line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Margin (dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

Peak measured complies with the limit line, so test result is “PASS”.

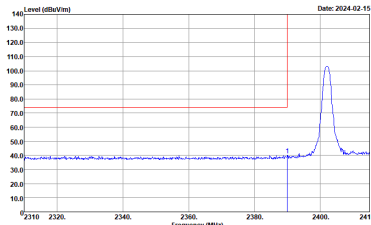
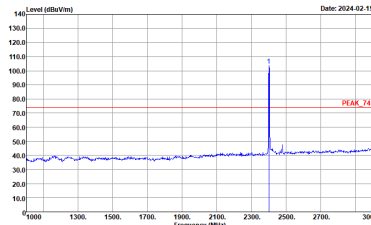


Appendix D. Radiated Spurious Emission Plots

Test Engineer :	John Chuang, David Dai and Howard Huang	Temperature :	19.5~23.5°C
		Relative Humidity :	64.9~70.7%

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
6	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

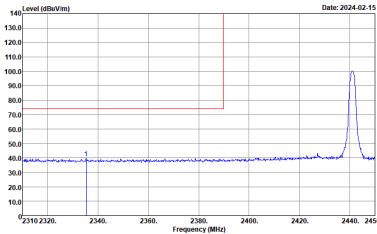
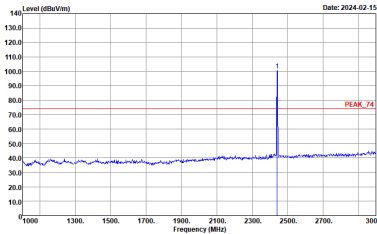
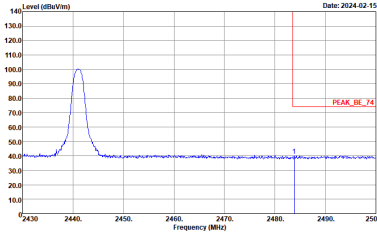


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
6	Vertical	Fundamental
Peak	Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

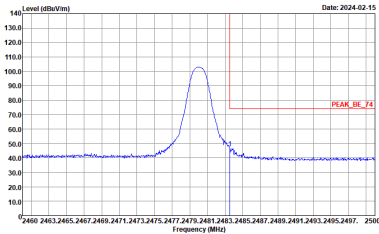
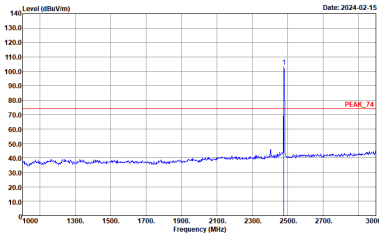


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
6	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

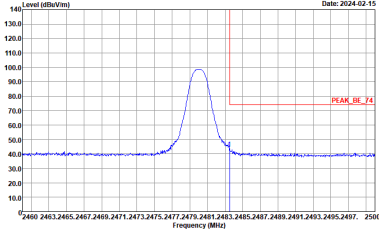
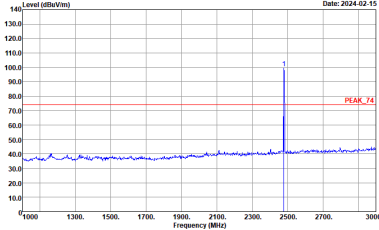


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
6	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
6	Horizontal	Fundamental
Peak	 Site : 09CH20-HY Condition : PEAK_B74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH20-HY Condition : PEAK_F74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

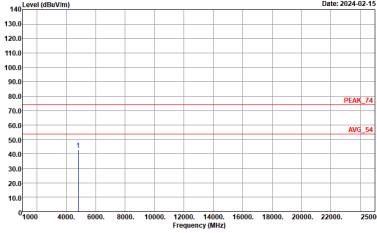
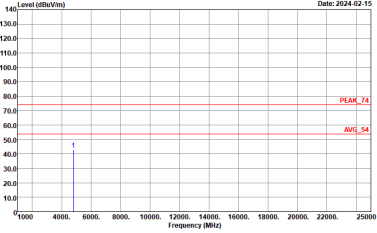


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
6	Vertical	Fundamental
Peak	 Site : 09CH20-HY Condition : PEAK_B74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH20-HY Condition : PEAK_B74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

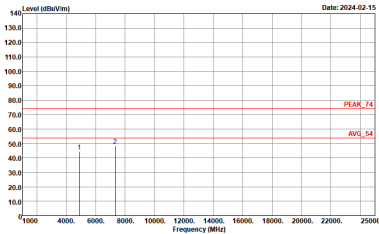
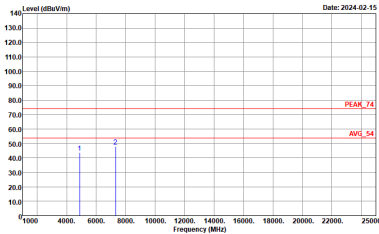


2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
6	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_231030 HORIZONTAL	 Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_231030 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
6	Horizontal	Vertical
Peak Avg.	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
6	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL :	Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL :

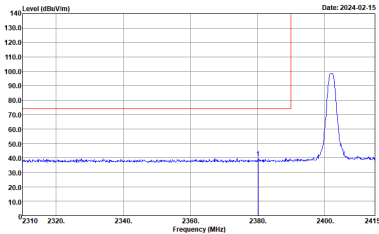
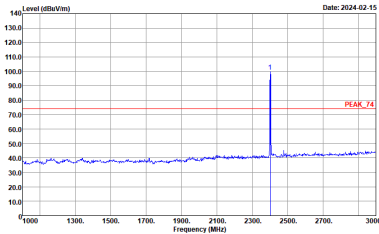


2.4GHz 2400~2483.5MHz

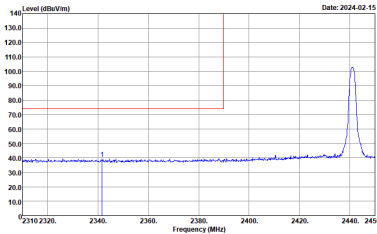
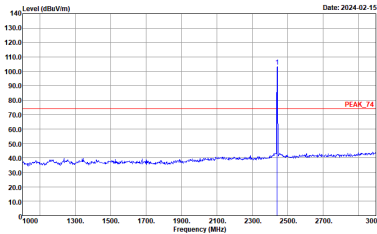
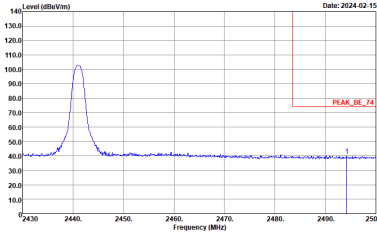
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
7	Horizontal	Fundamental
Peak	Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH20-HY Condition : PEAK_F_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

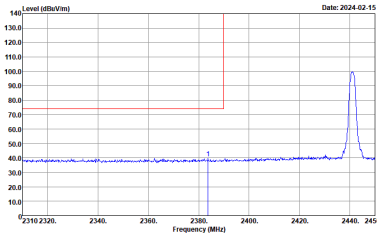
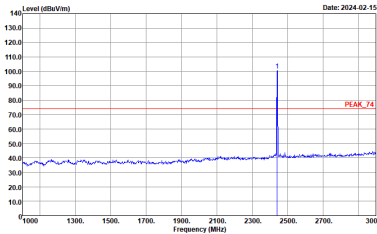
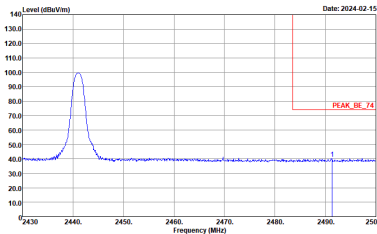


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
7	Vertical	Fundamental
Peak	 Site : 09CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

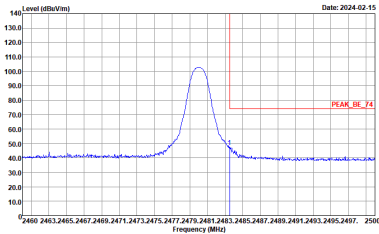
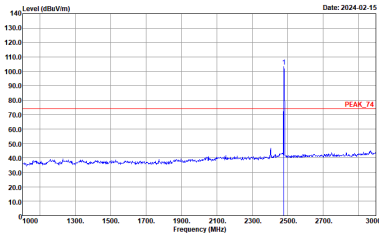


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
7	Horizontal	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
7	Vertical	Fundamental
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
7	Horizontal	Fundamental
Peak	 Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
7	Vertical	Fundamental
Peak	Site : 09CH20-HY Condition : PEAK_BE_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 09CH20-HY Condition : PEAK_74 3m 91200_02360_231030 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
7	Horizontal	Vertical
Peak Avg.	Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_231030 HORIZONTAL	Site : 03CH20-HY Condition : PEAK_74 3m 9120D_02360_231030 VERTICAL