

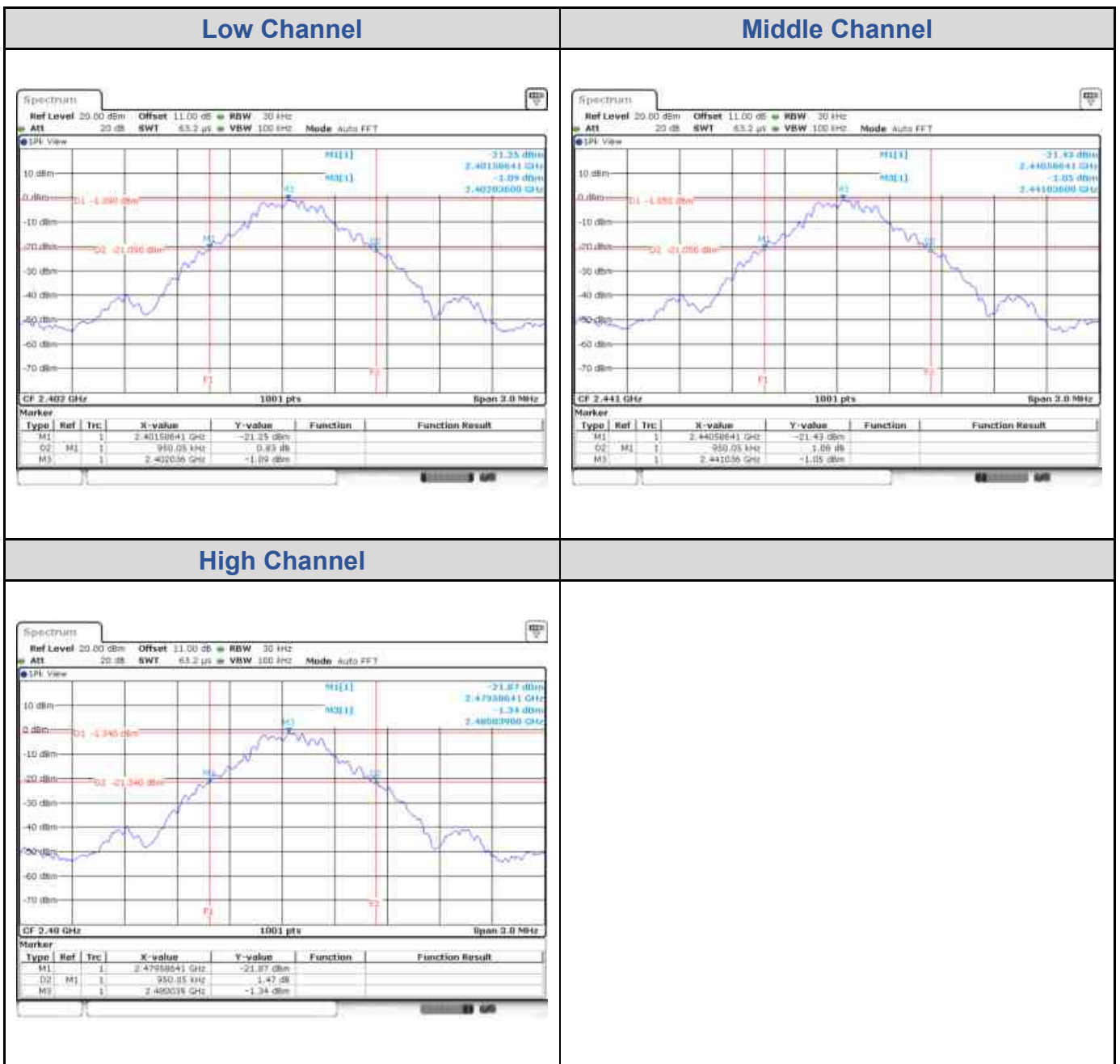
Appendix A: Test Results of Conducted Test for Left and Right Ears

Left Ear

Test Result of 20 dB Bandwidth

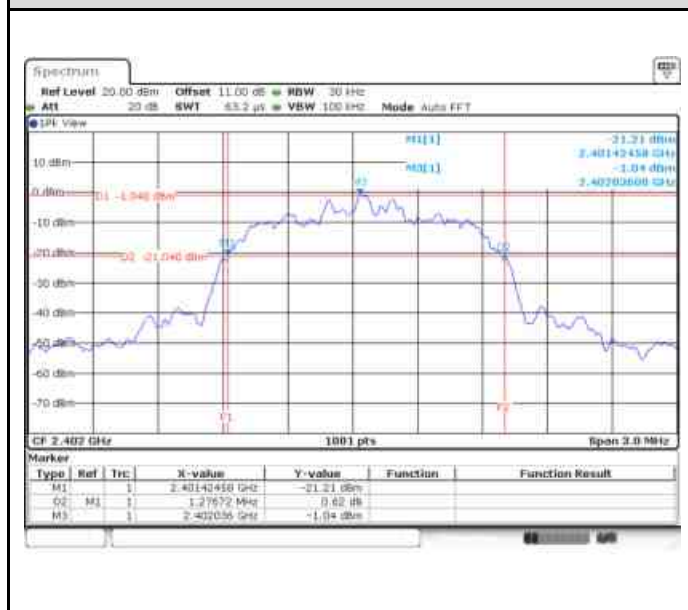
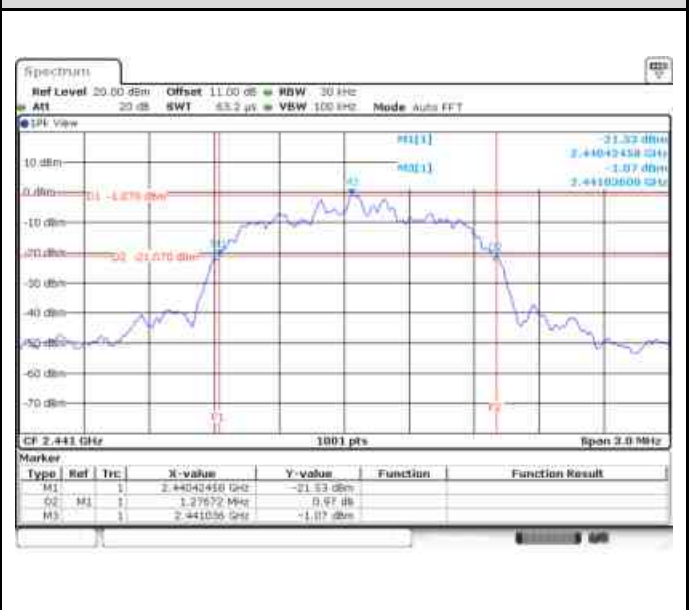
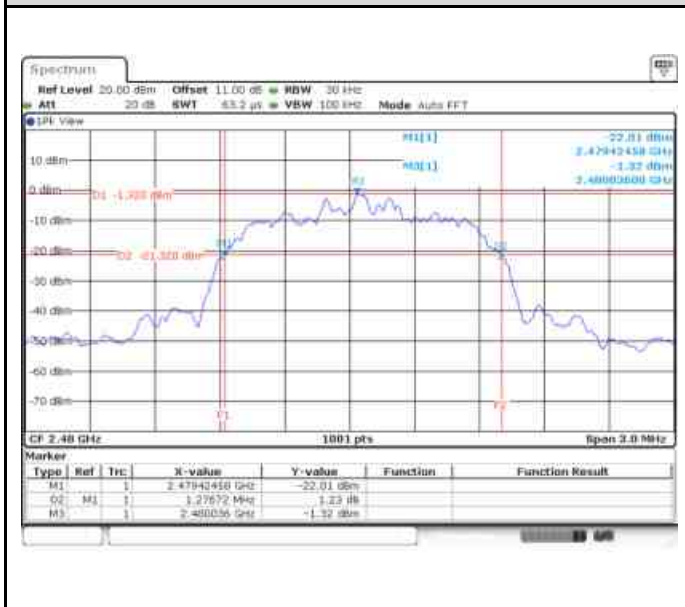
GFSK

Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)
Low Channel	2402	950.05
Middle Channel	2441	950.05
High Channel	2480	950.05



$\pi/4$ -DQPSK

Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)
Low Channel	2402	1276.72
Middle Channel	2441	1276.72
High Channel	2480	1276.72

Low Channel

Middle Channel

High Channel


Test Result of 99% Occupied Bandwidth

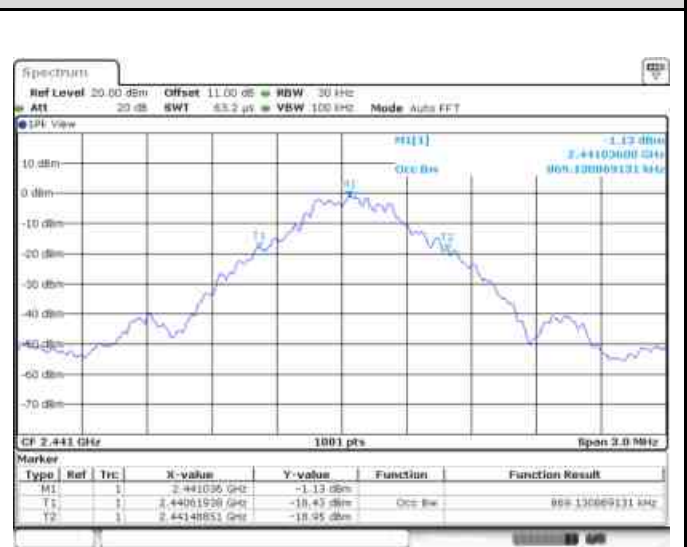
GFSK

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2402	866.13
Middle Channel	2441	869.13
High Channel	2480	869.13

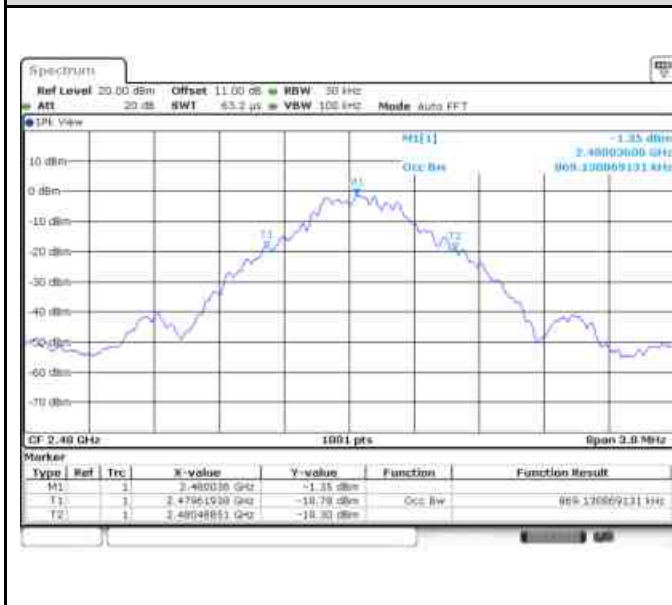
Low Channel



Middle Channel

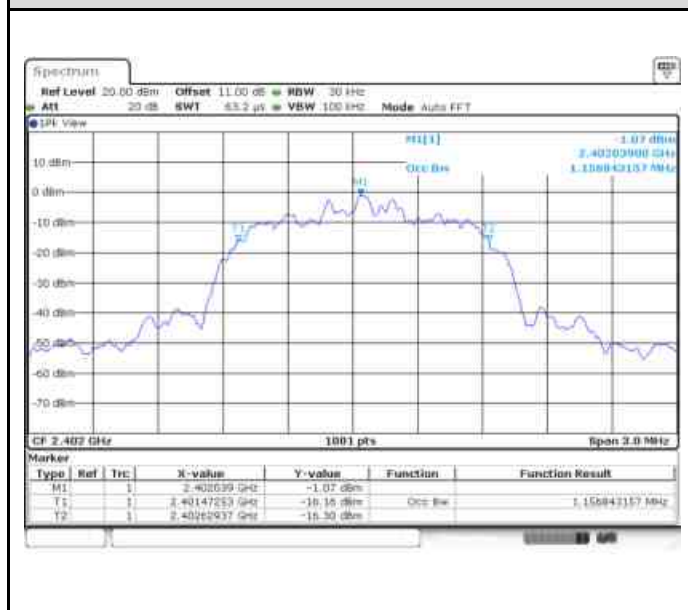


High Channel



$\pi/4$ -DQPSK

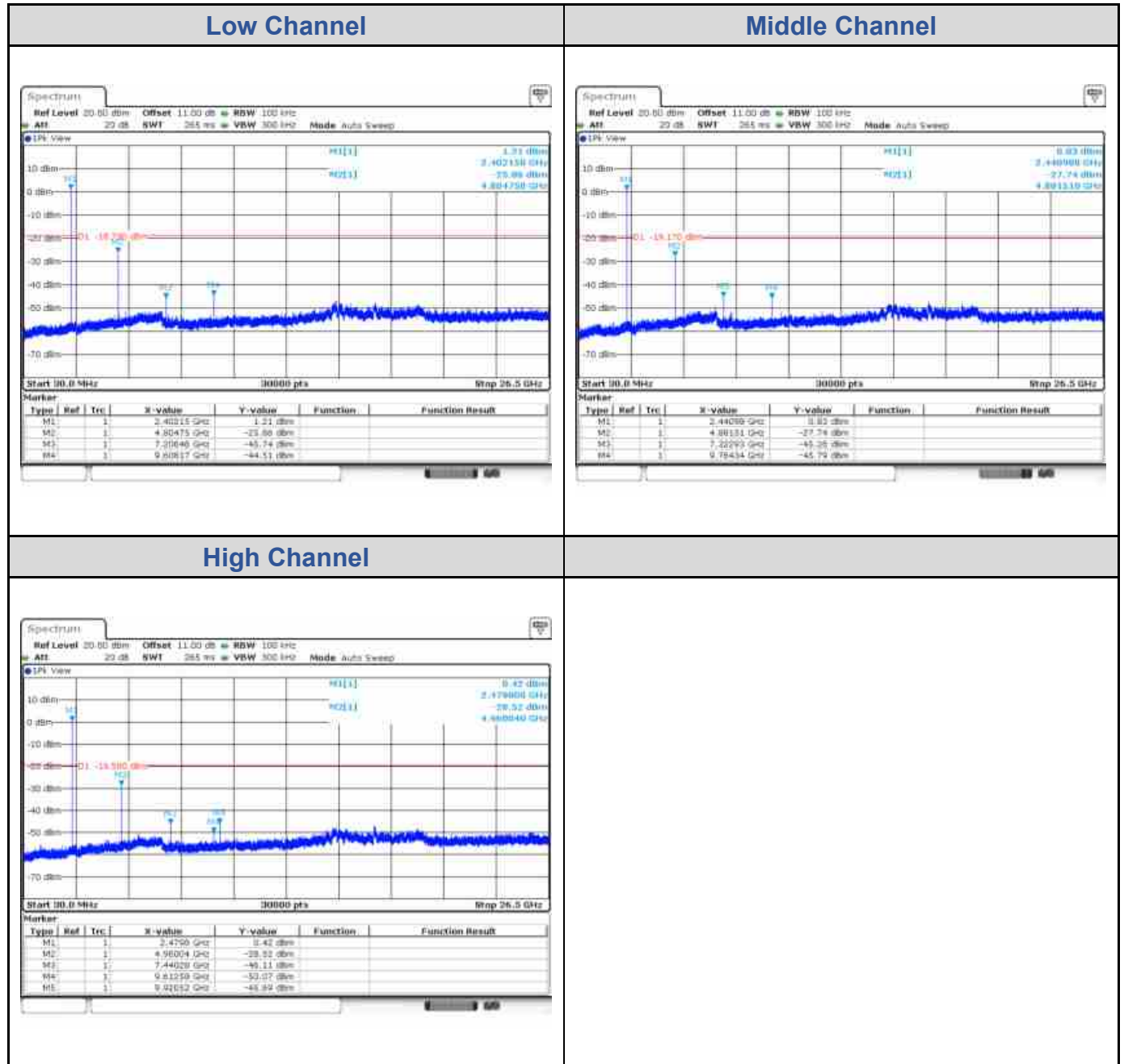
Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2402	1156.84
Middle Channel	2441	1156.84
High Channel	2480	1156.84

Low Channel

Middle Channel

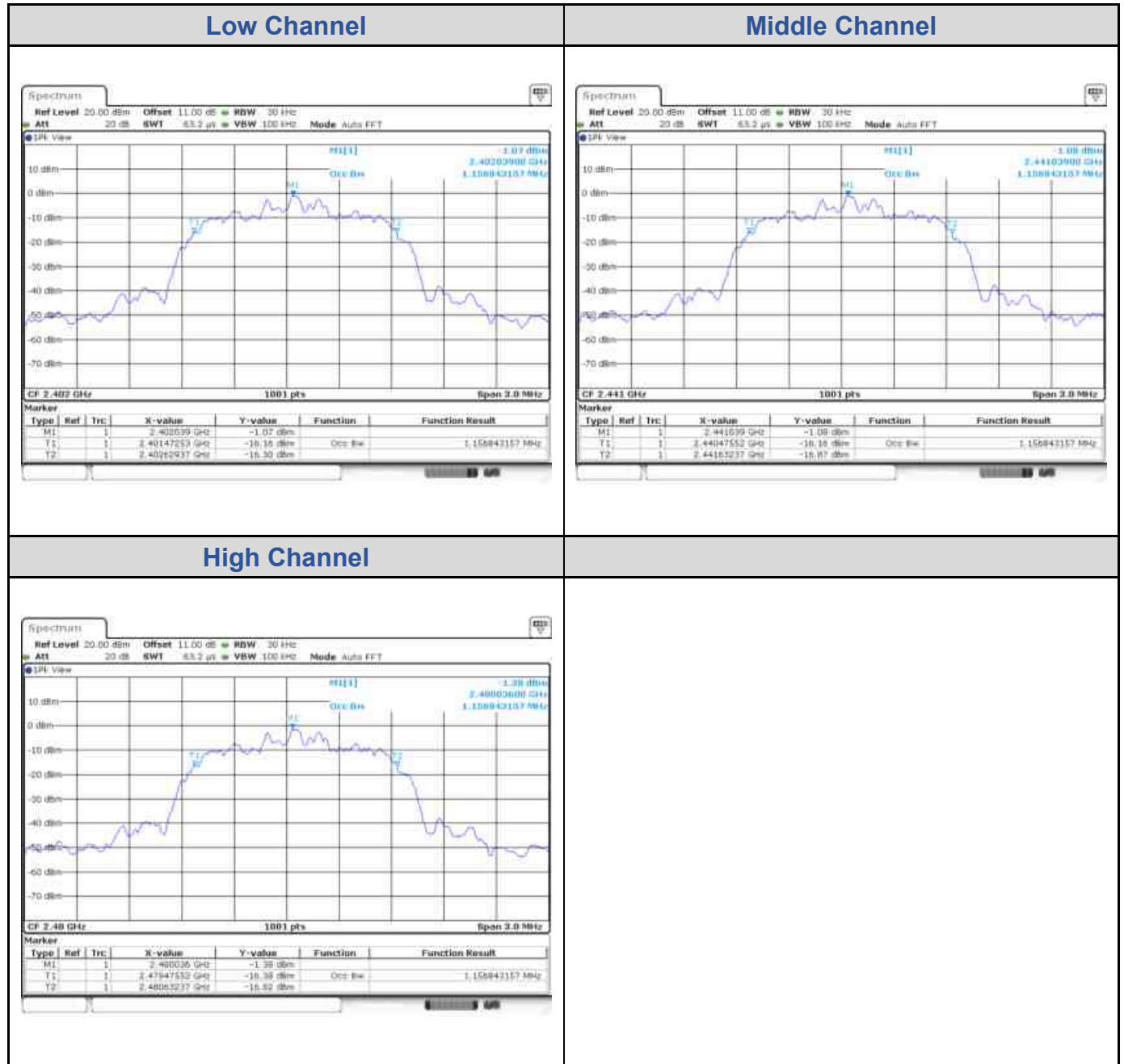
High Channel


Test Result of Conducted Spurious Emissions, Tx Mode

GFSK

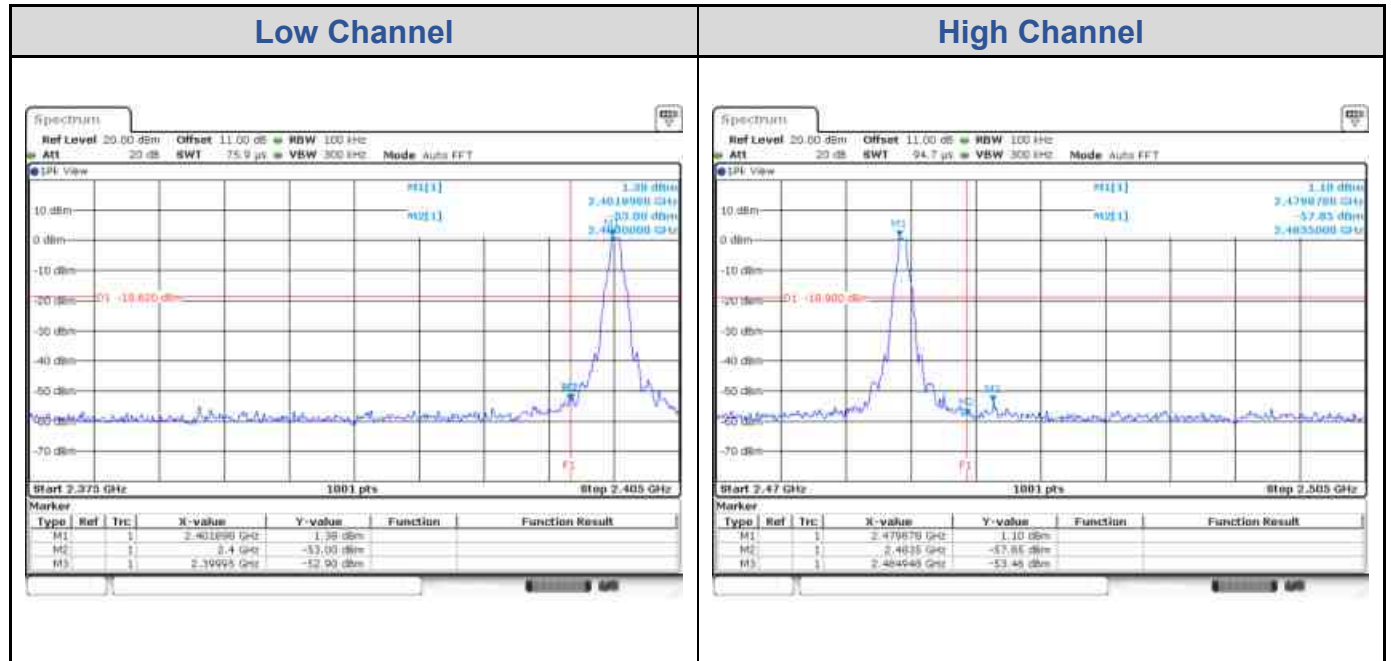


$\pi/4$ -DQPSK

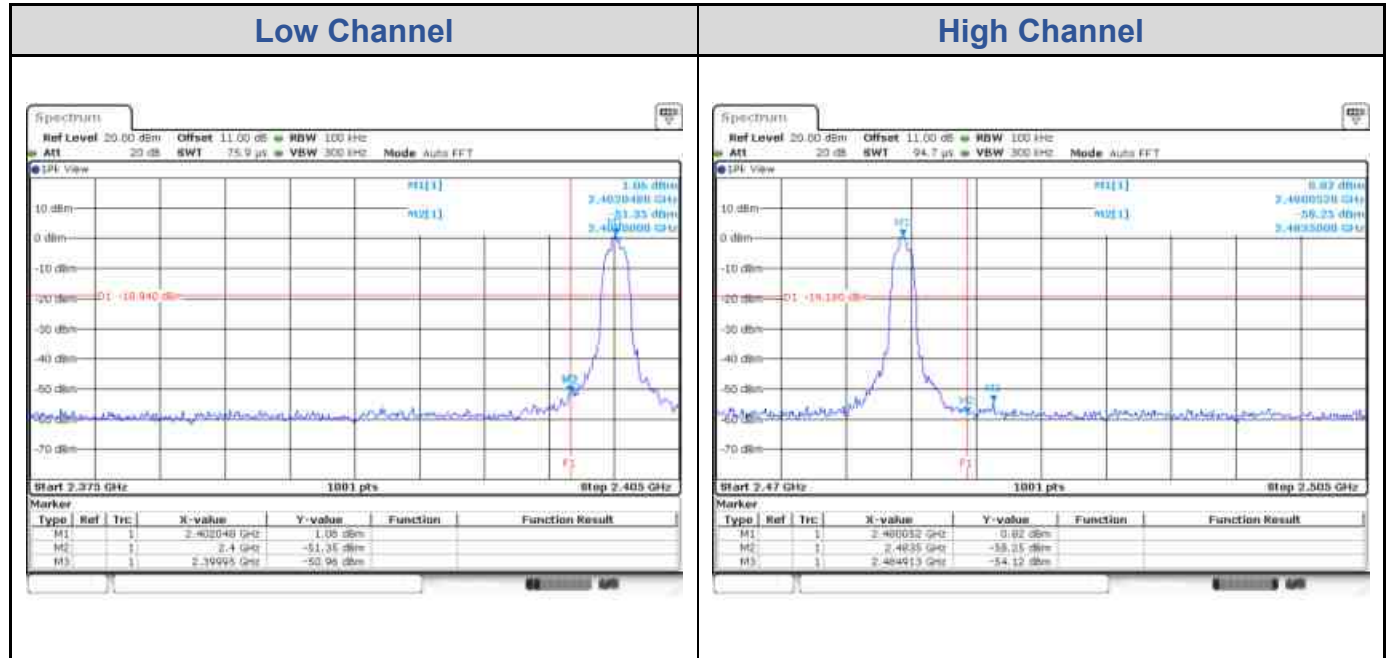


Test Result of Conducted Band Edge, Tx Mode

GFSK

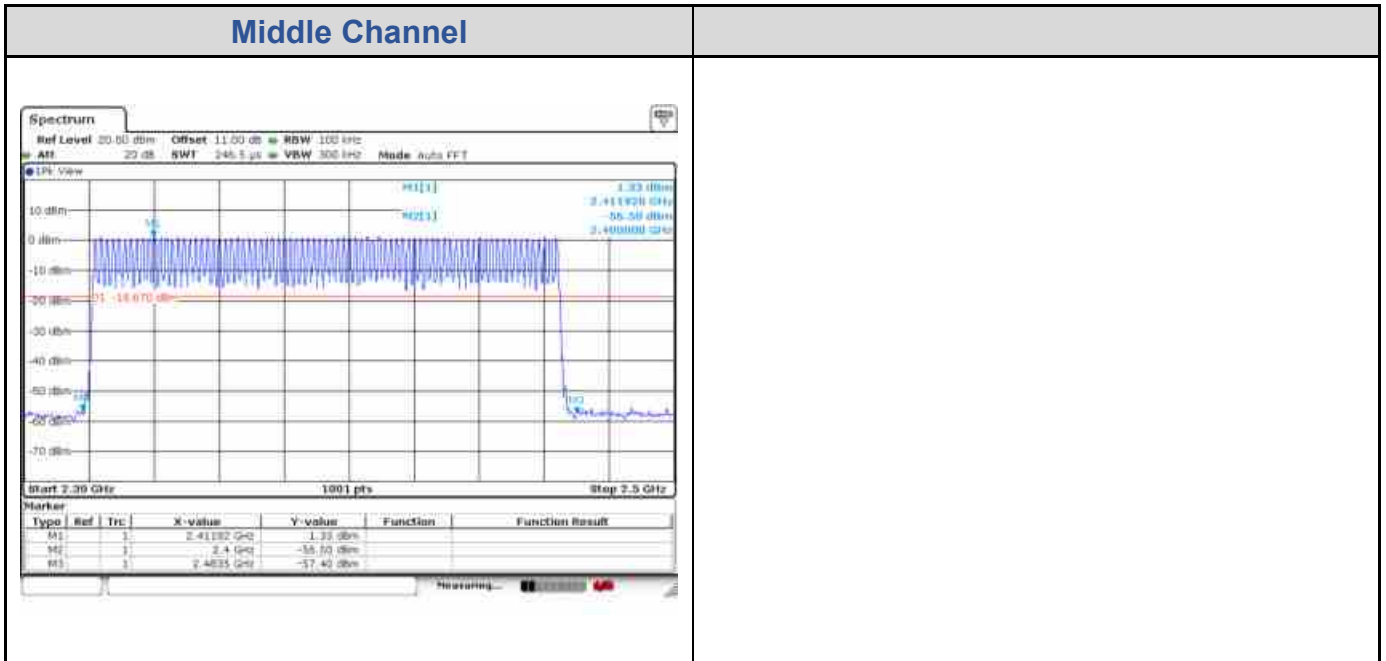


$\pi/4$ -DQPSK

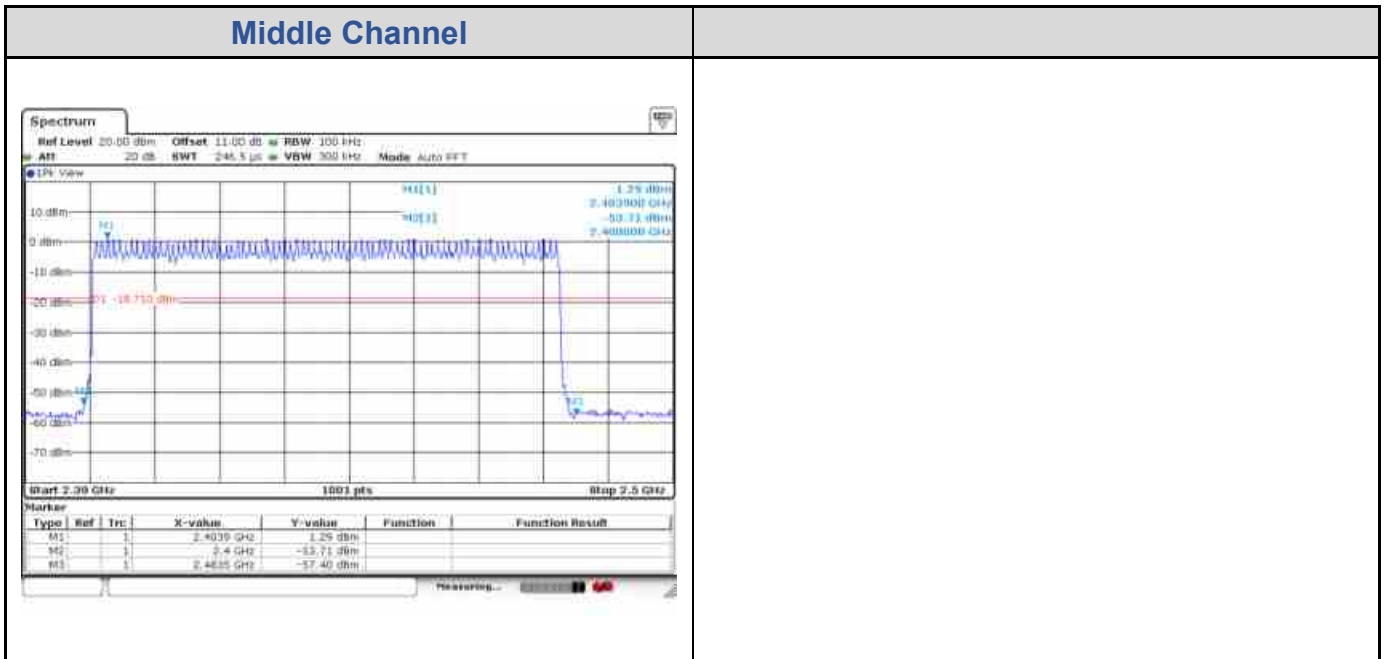


Test Result of Hopping Band Edge

GFSK



$\pi/4$ -DQPSK

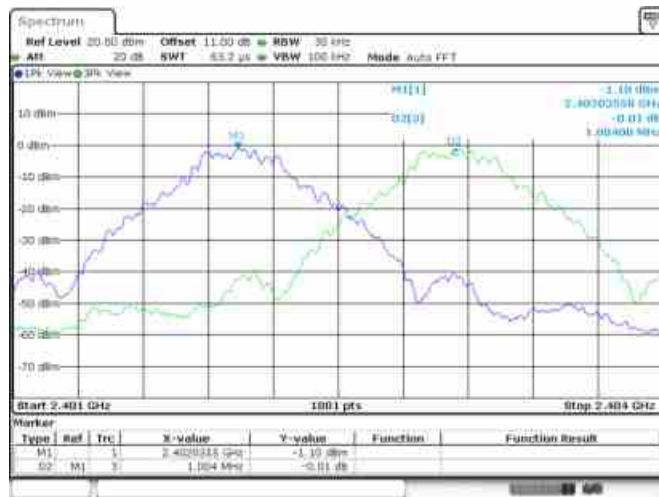


Test Result of Hopping Channel Separation

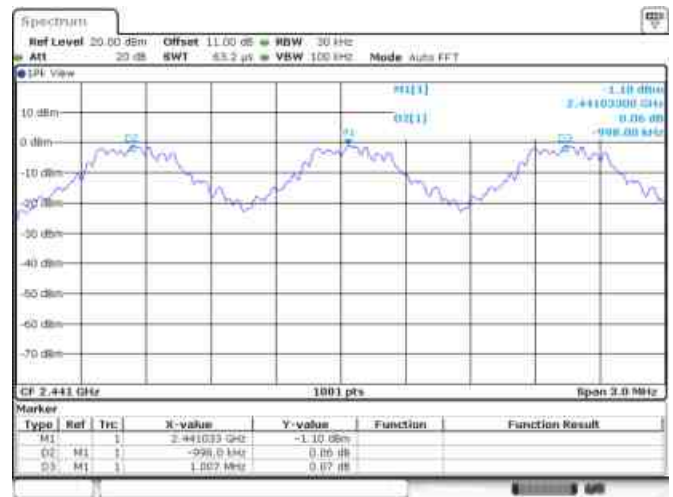
GFSK

Channel	Channel Frequency (MHz)	Adjacent Channel Separation (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (MHz)	Result
0	2402	1.00	0.95	0.63	Pass
39	2441	1.01	0.95	0.63	Pass
78	2480	1.00	0.95	0.63	Pass

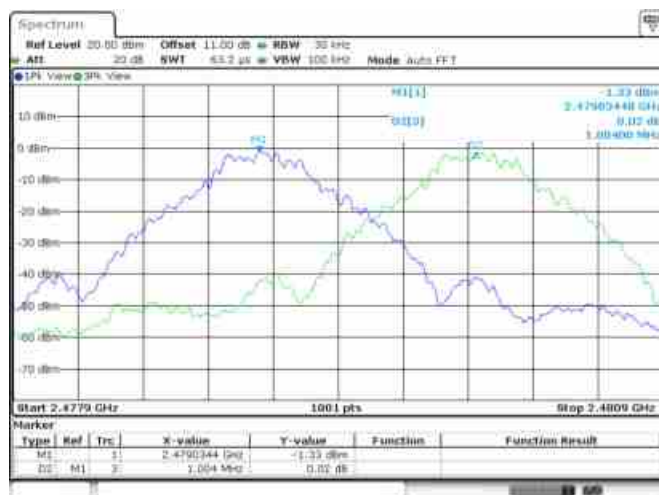
Low Channel



Middle Channel

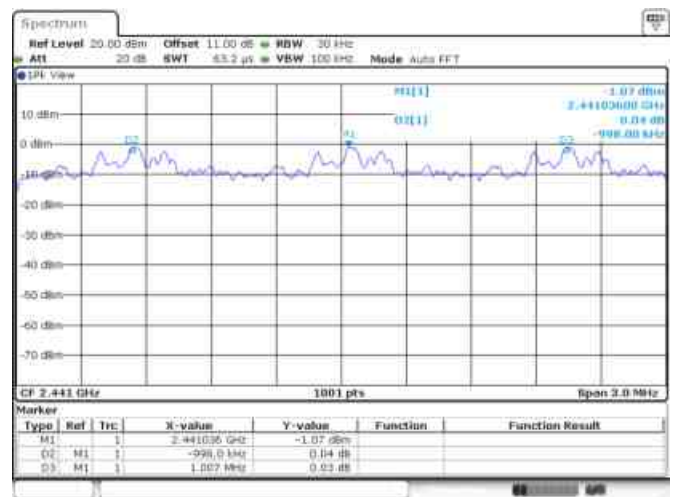
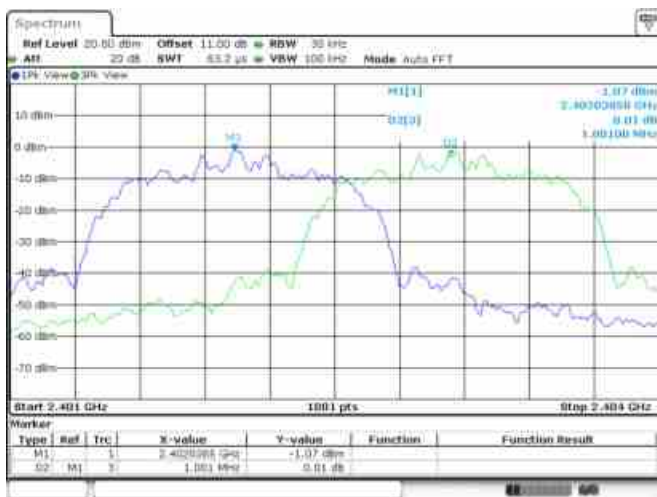
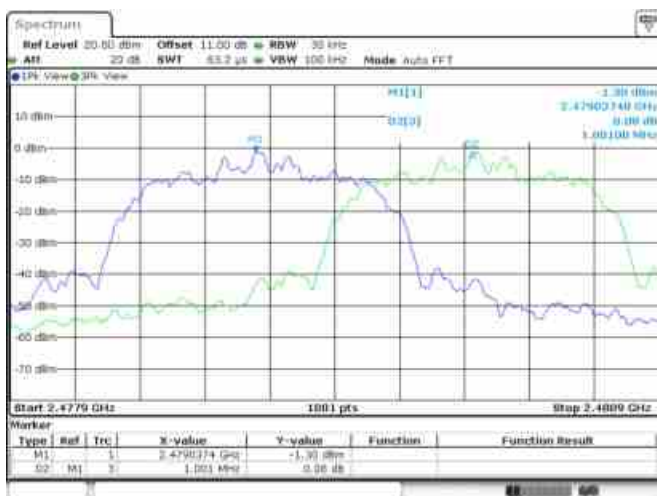


High Channel



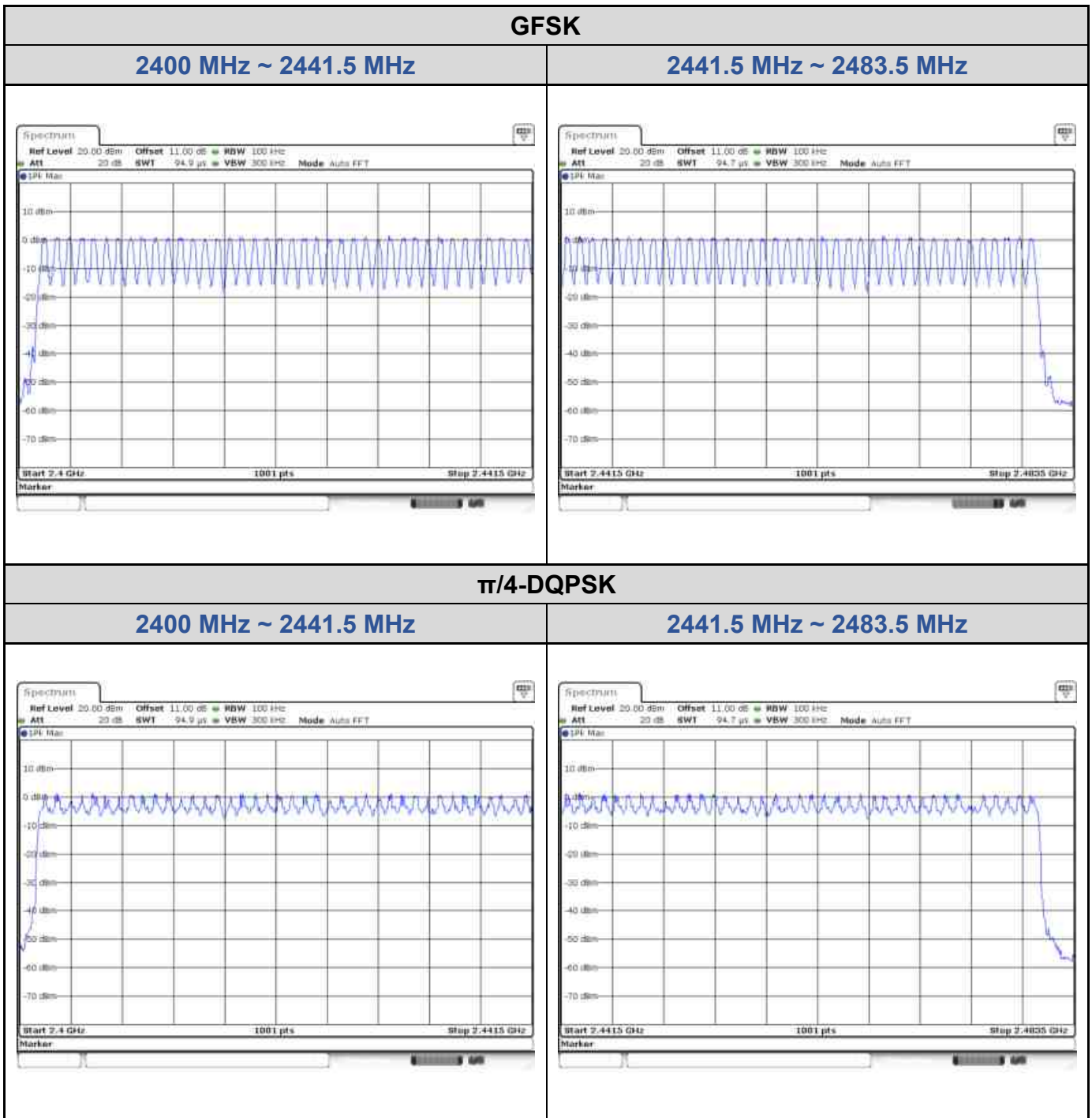
$\pi/4$ -DQPSK

Channel	Channel Frequency (MHz)	Adjacent Channel Separation (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (MHz)	Result
0	2402	1.00	1.28	0.85	Pass
39	2441	1.01	1.28	0.85	Pass
78	2480	1.00	1.28	0.85	Pass

Low Channel
Middle Channel

High Channel


Test Result of Number of Hopping Frequency

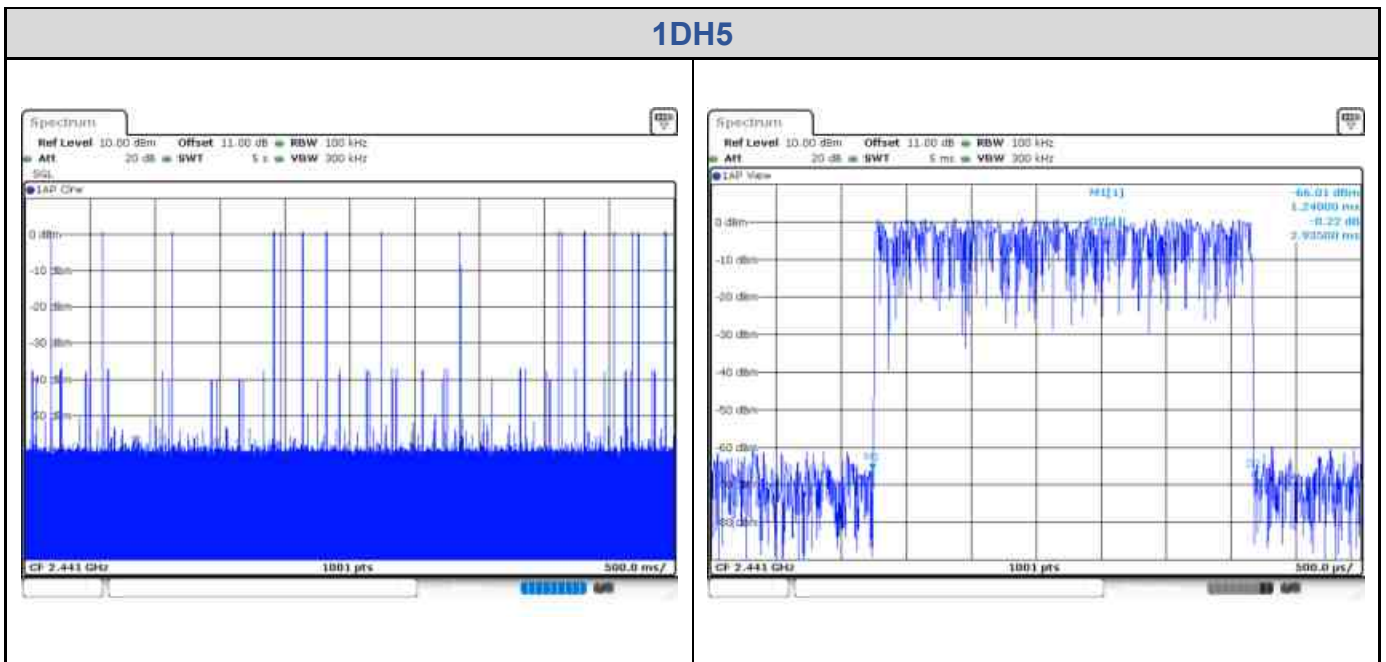
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass



Test Result of Dwell Time

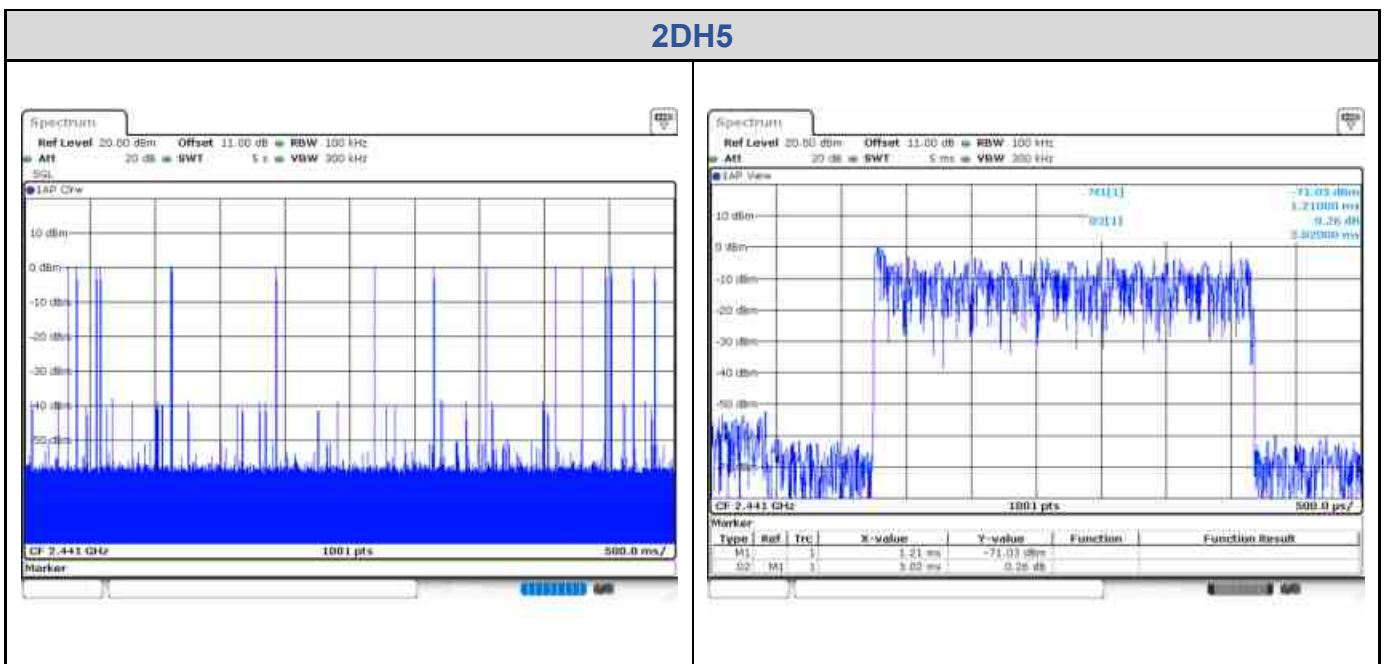
GFSK

Data Mode	Number of transfer in a 31.6 (79Hopping*0.4s)	Package transfer time (msec)	Dwell time (s)	Limit (s)	Result
1DH5	16 (times /5 sec) * 6.32= 101.12 times	2.94	0.30	0.4	Pass



$\pi/4$ -DQPSK

Data Mode	Number of transfer in a 31.6 (79Hopping*0.4s)	Package transfer time (msec)	Dwell time (s)	Limit (s)	Result
2DH5	12 (times /5 sec) * 6.32 = 75.84 times	2.94	0.22	0.4	Pass

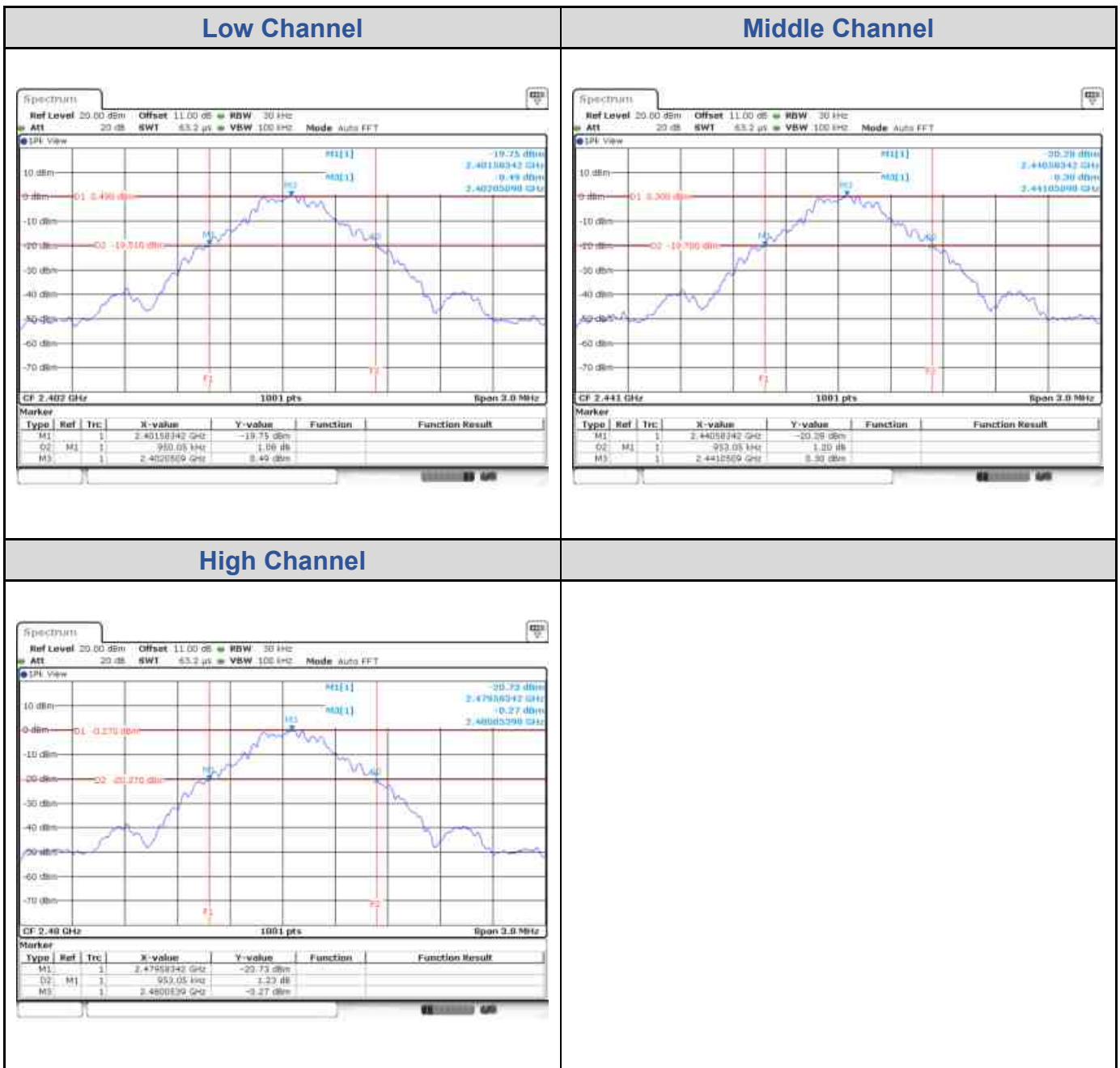


Right Ear

Test Result of 20 dB Bandwidth

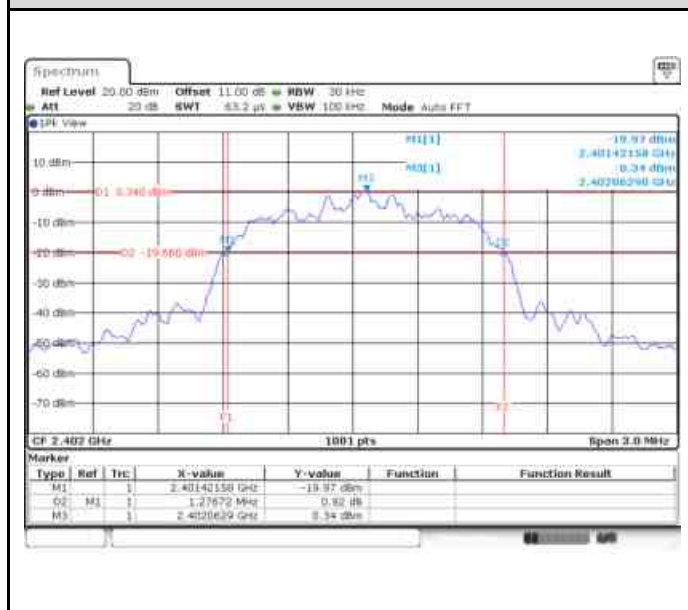
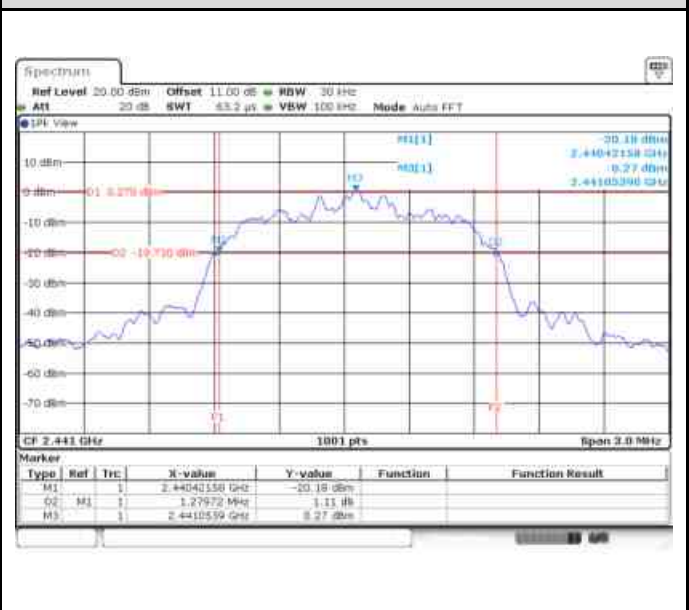
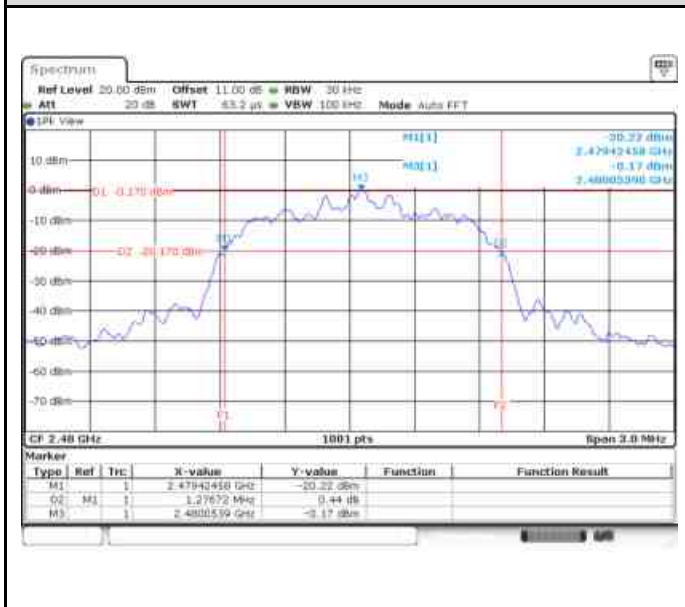
GFSK

Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)
Low Channel	2402	950.05
Middle Channel	2441	953.05
High Channel	2480	953.05



$\pi/4$ -DQPSK

Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)
Low Channel	2402	1276.72
Middle Channel	2441	1279.72
High Channel	2480	1276.72

Low Channel

Middle Channel

High Channel


Test Result of 99% Occupied Bandwidth

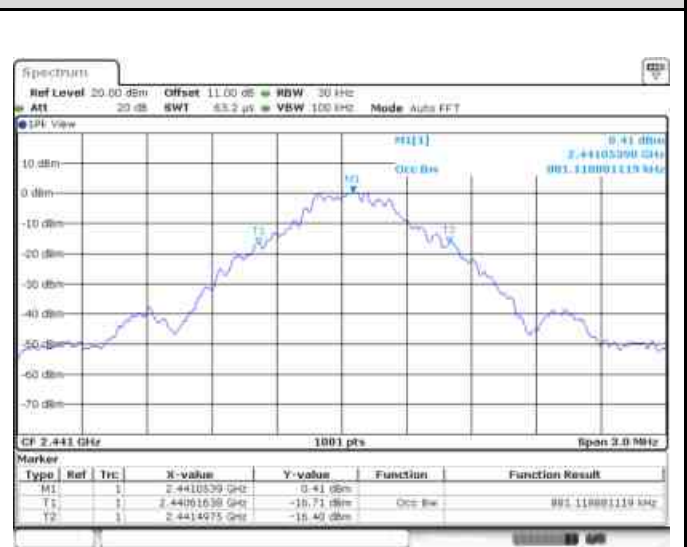
GFSK

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2402	878.12
Middle Channel	2441	881.12
High Channel	2480	881.12

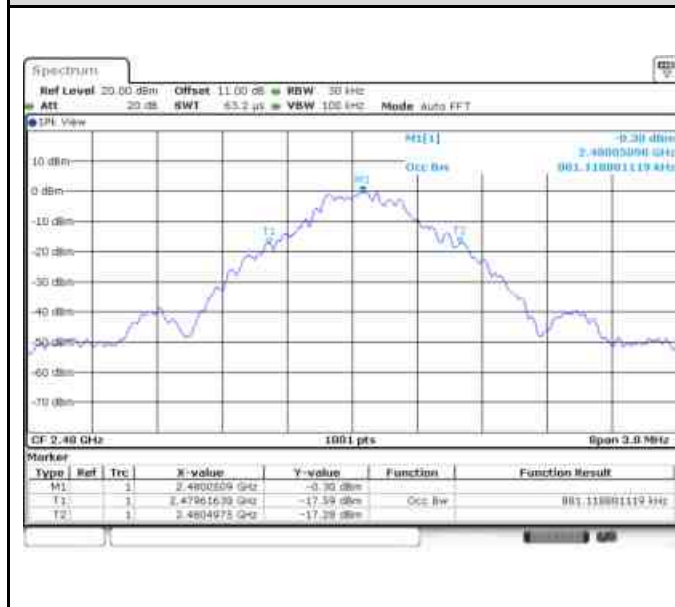
Low Channel



Middle Channel



High Channel



$\pi/4$ -DQPSK

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2402	1156.84
Middle Channel	2441	1156.84
High Channel	2480	1156.84

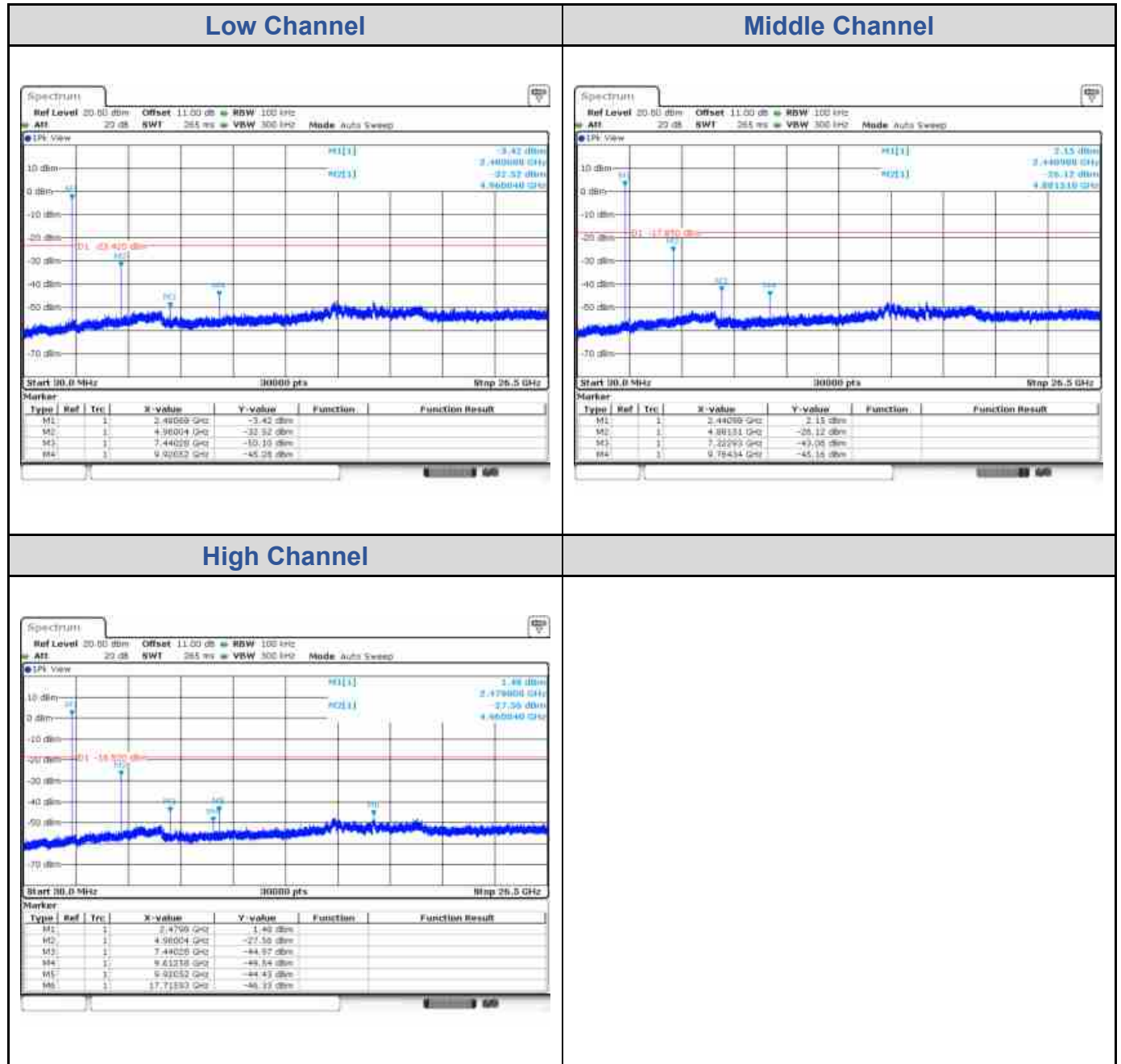
Low Channel

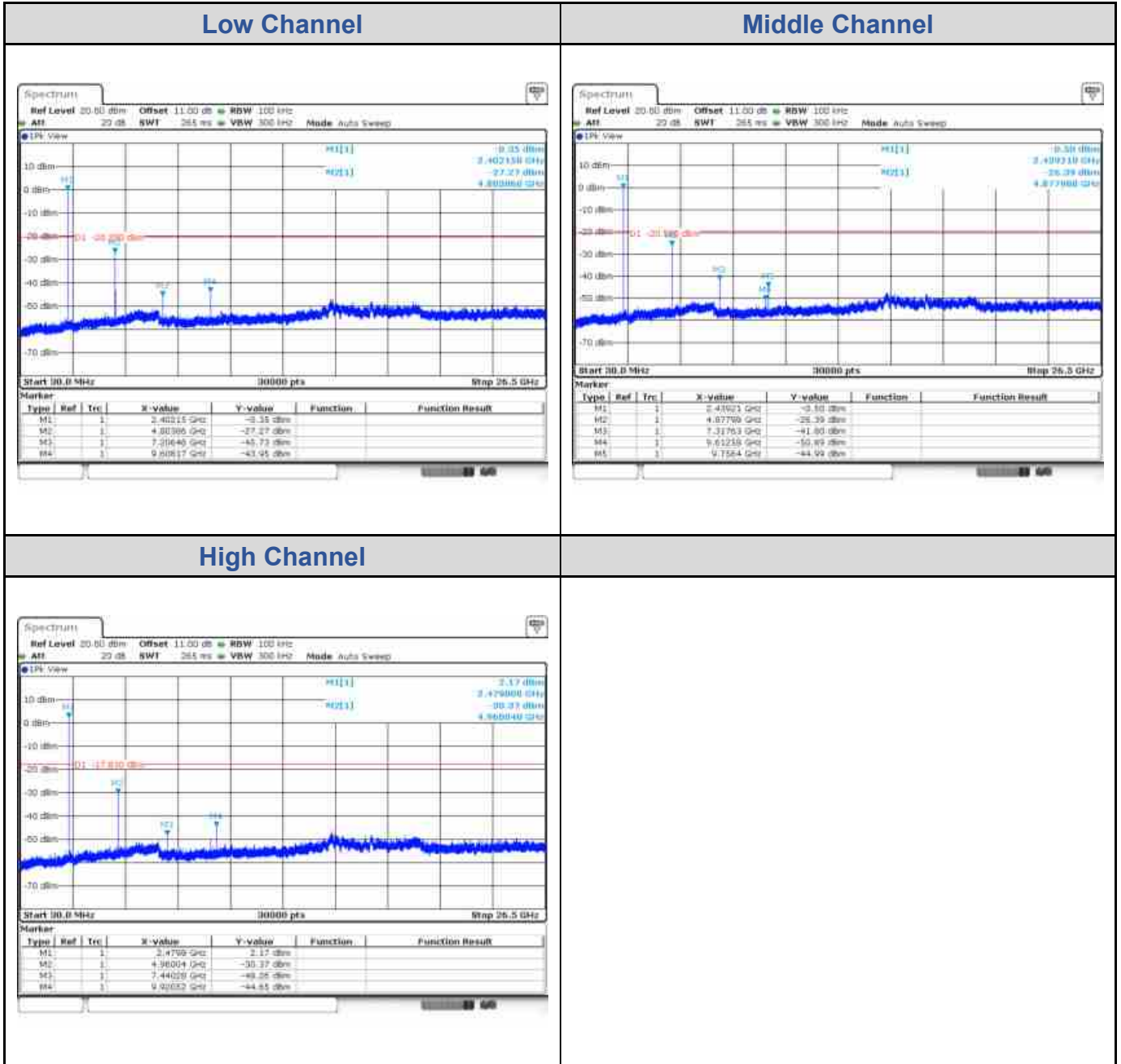
Middle Channel

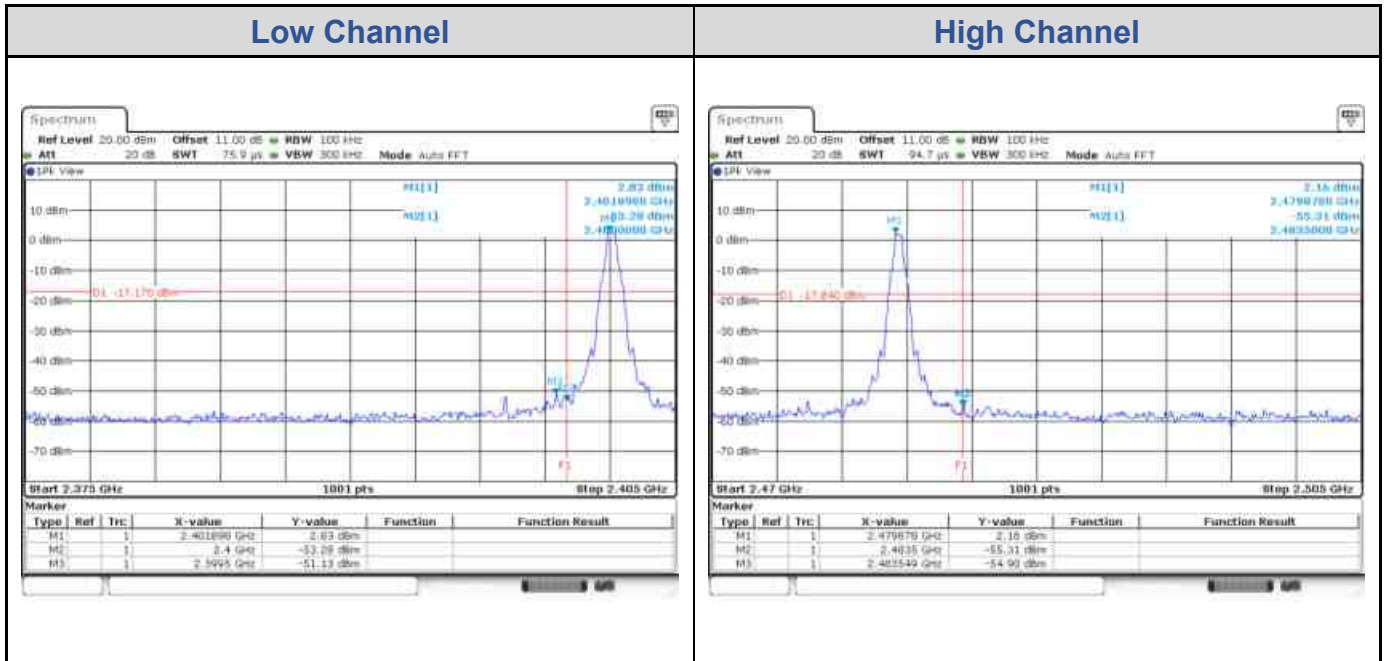
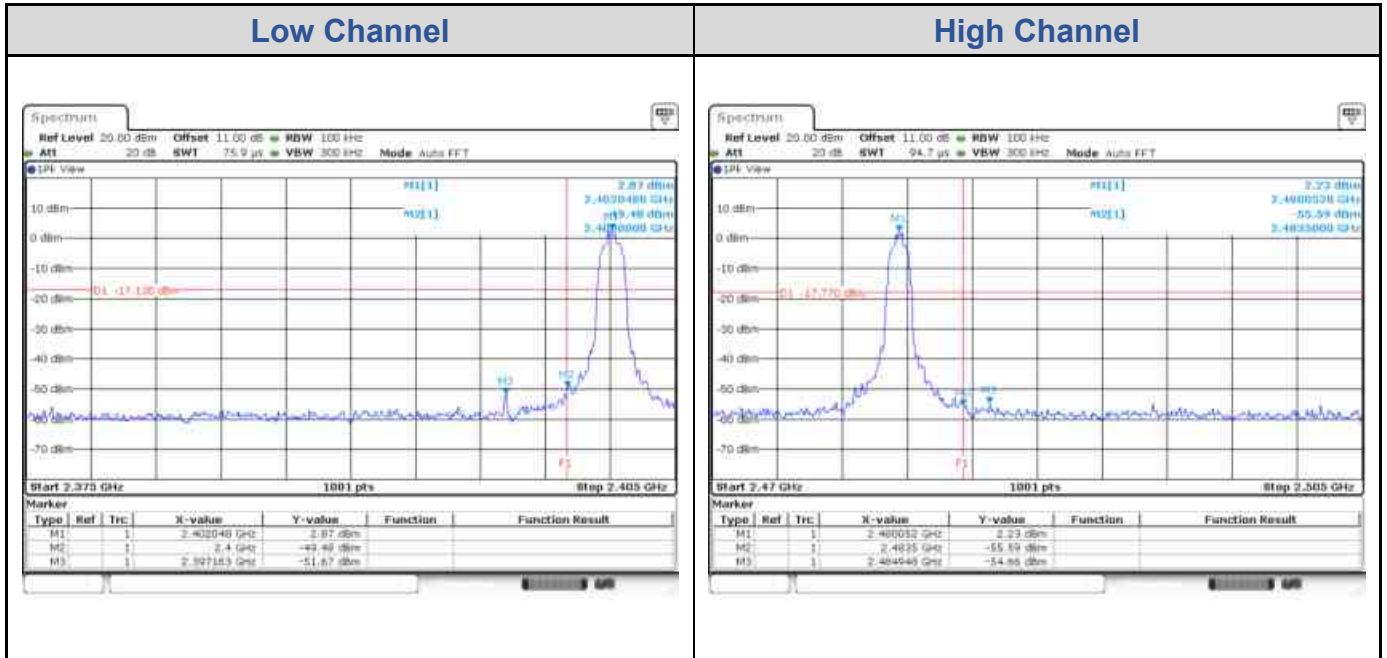
High Channel


Test Result of Conducted Spurious Emissions, Tx Mode

GFSK

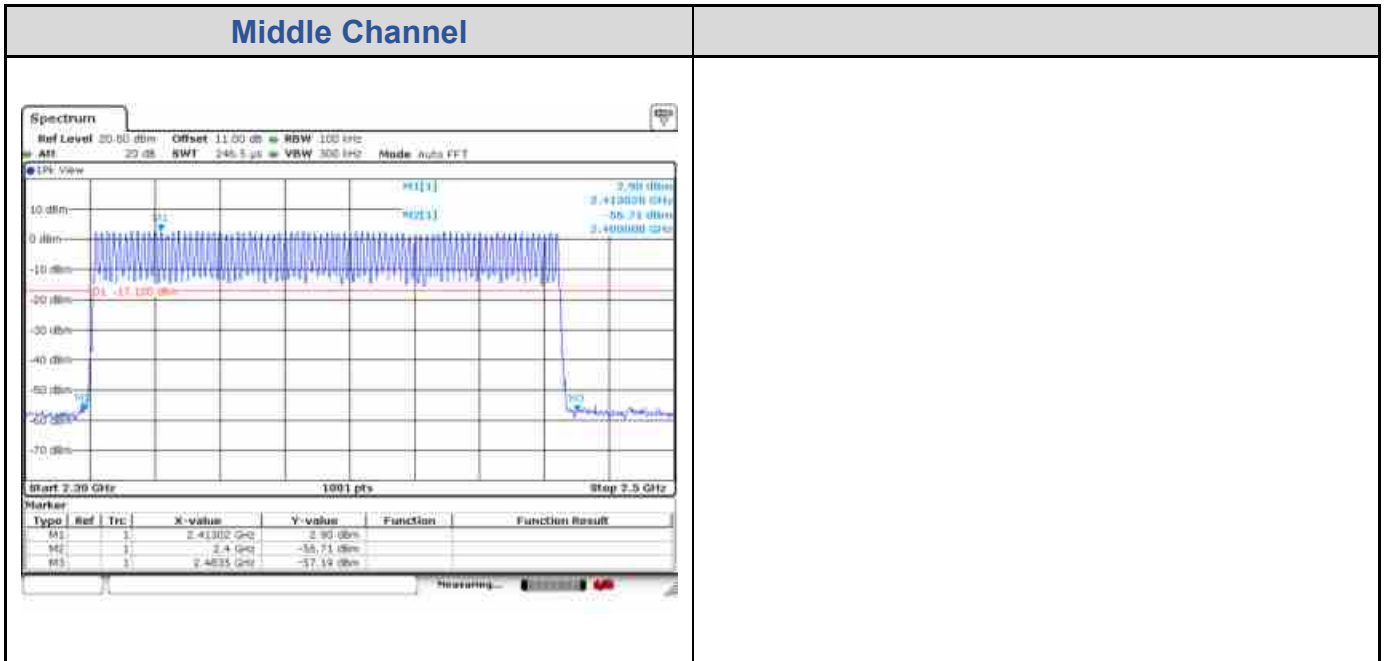


$\pi/4$ -DQPSK


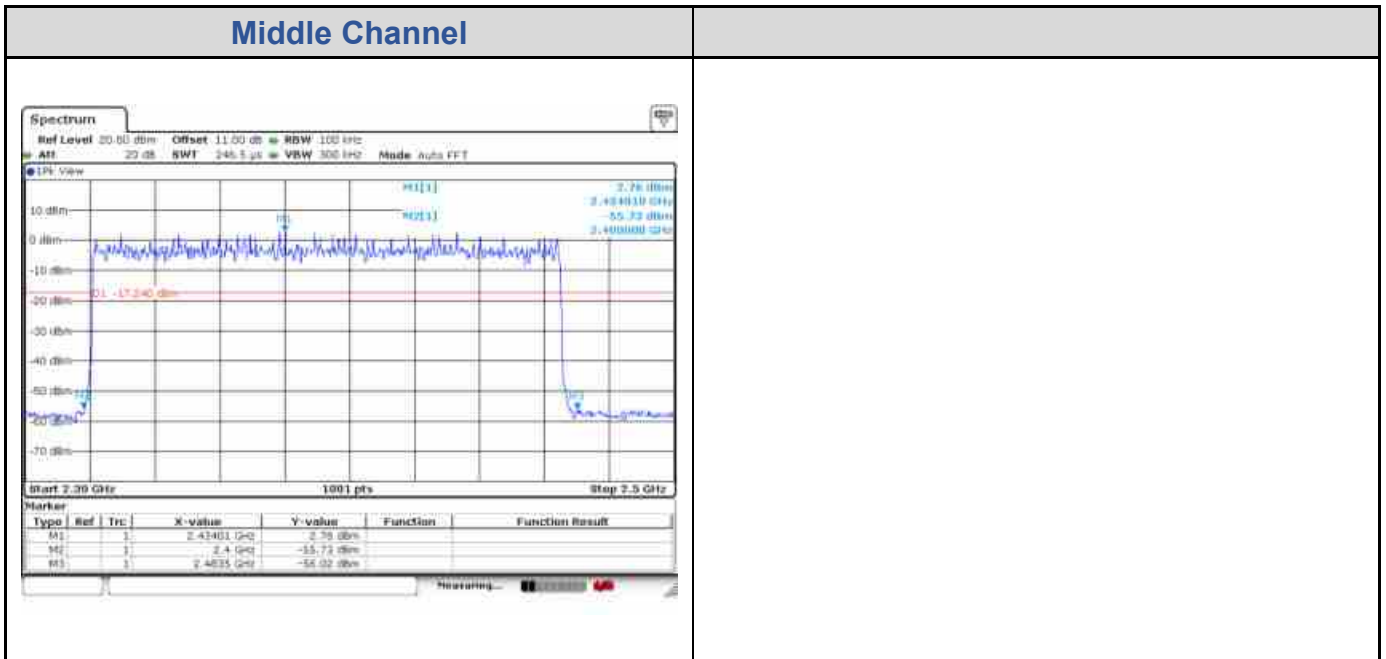
Test Result of Conducted Band Edge, Tx Mode
GFSK

 $\pi/4$ -DQPSK


Test Result of Hopping Band Edge

GFSK



$\pi/4$ -DQPSK

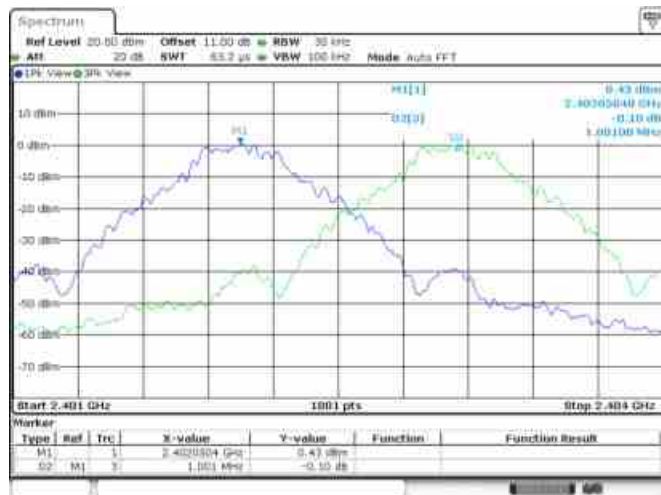


Test Result of Hopping Channel Separation

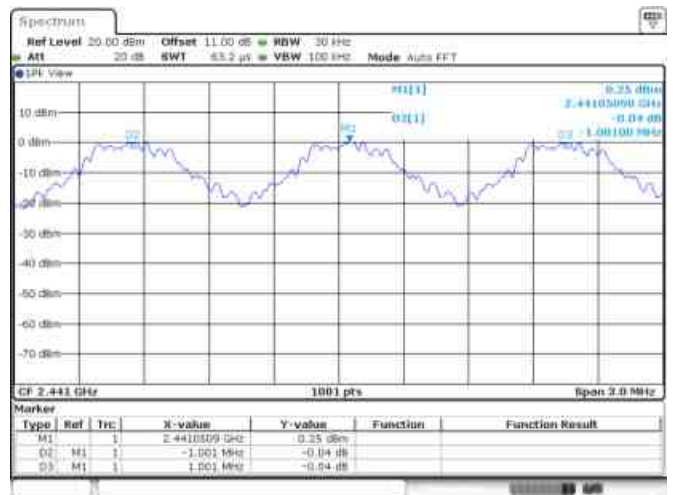
GFSK

Channel	Channel Frequency (MHz)	Adjacent Channel Separation (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (MHz)	Result
0	2402	1.00	0.95	0.63	Pass
39	2441	1.00	0.95	0.64	Pass
78	2480	1.00	0.95	0.64	Pass

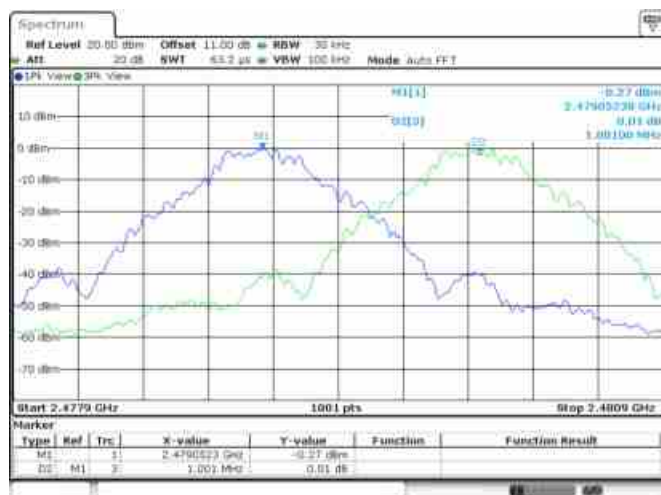
Low Channel



Middle Channel

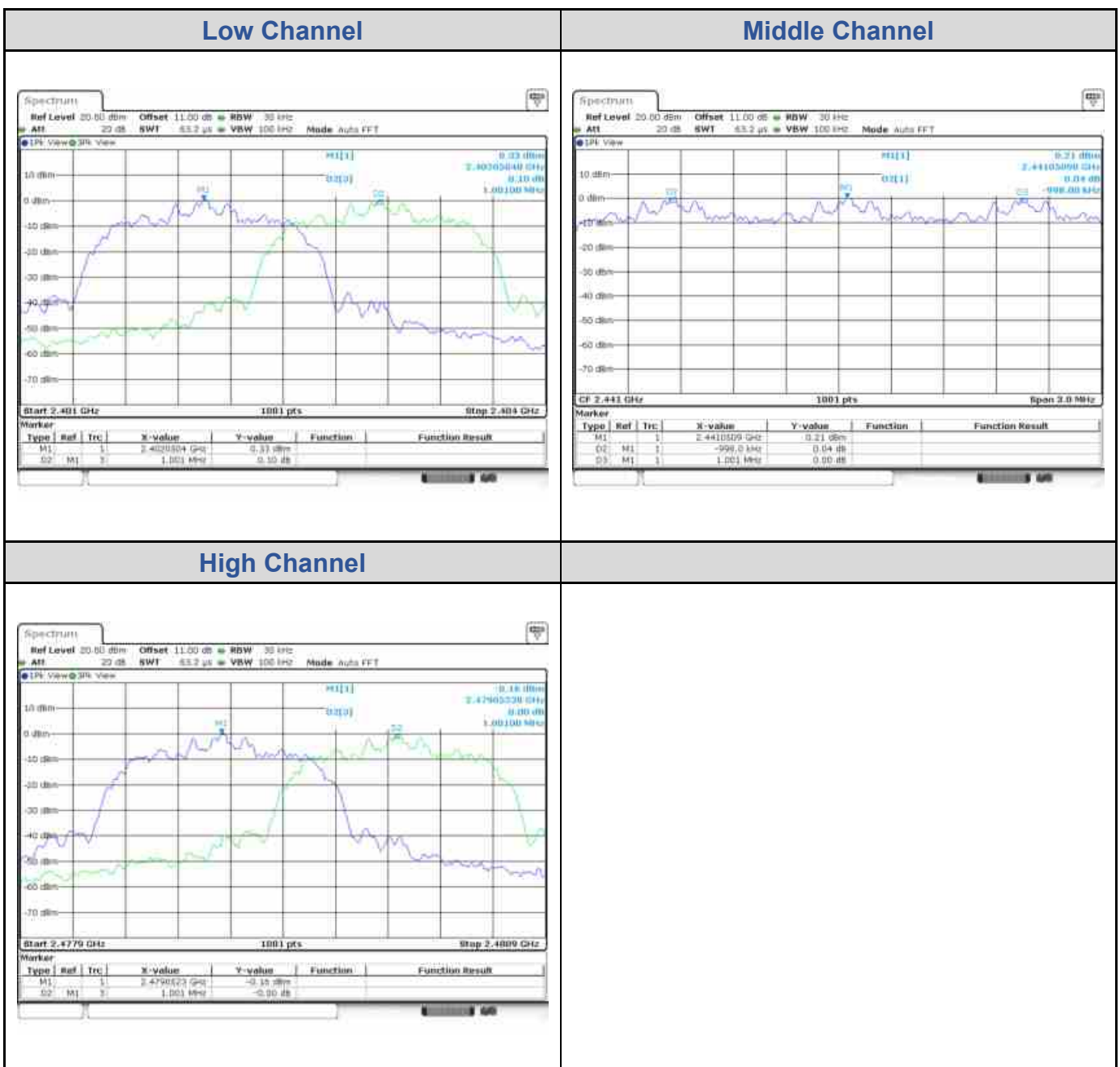


High Channel



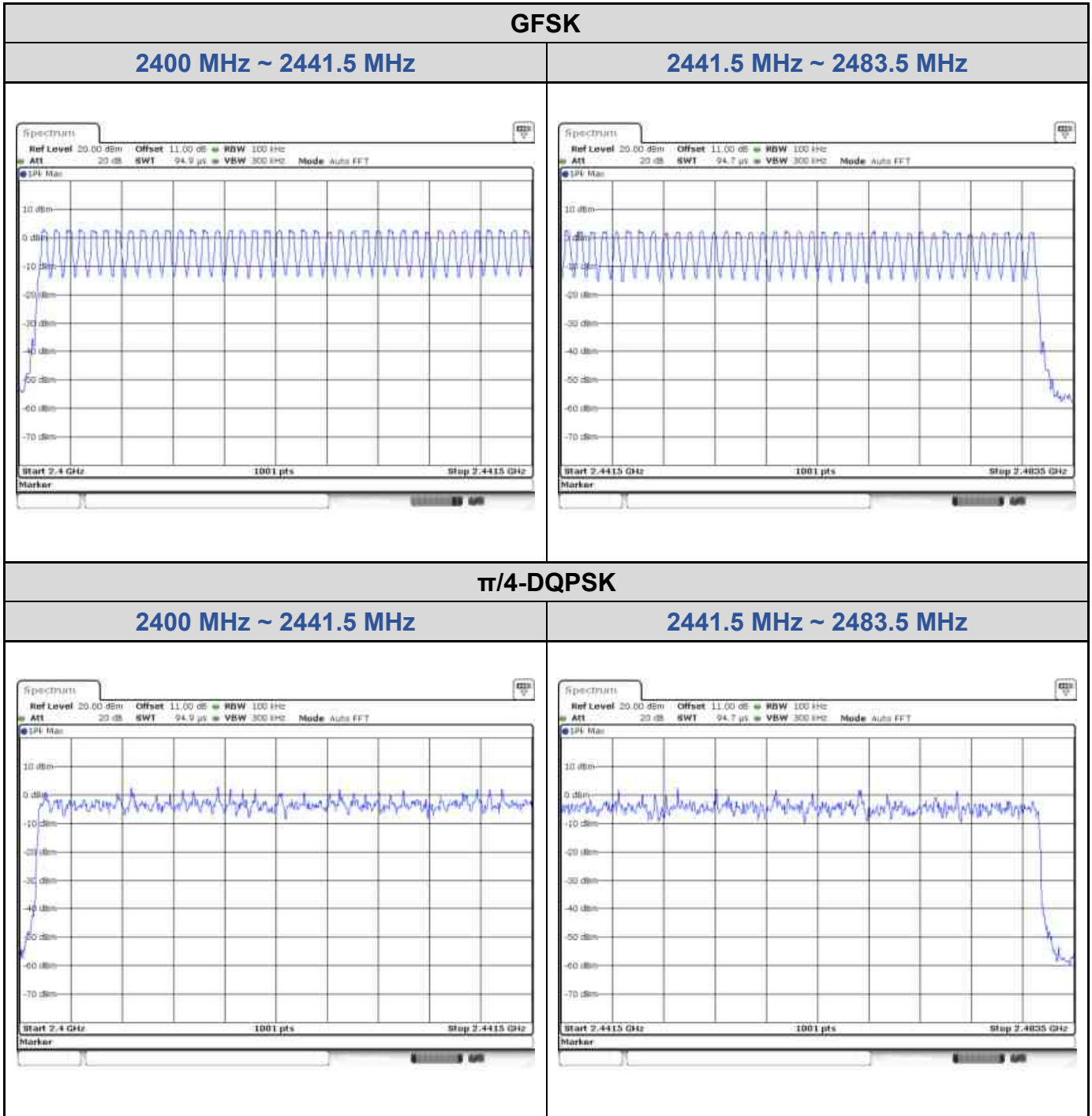
$\pi/4$ -DQPSK

Channel	Channel Frequency (MHz)	Adjacent Channel Separation (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (MHz)	Result
0	2402	1.00	1.28	0.85	Pass
39	2441	1.00	1.28	0.85	Pass
78	2480	1.00	1.28	0.85	Pass



Test Result of Number of Hopping Frequency

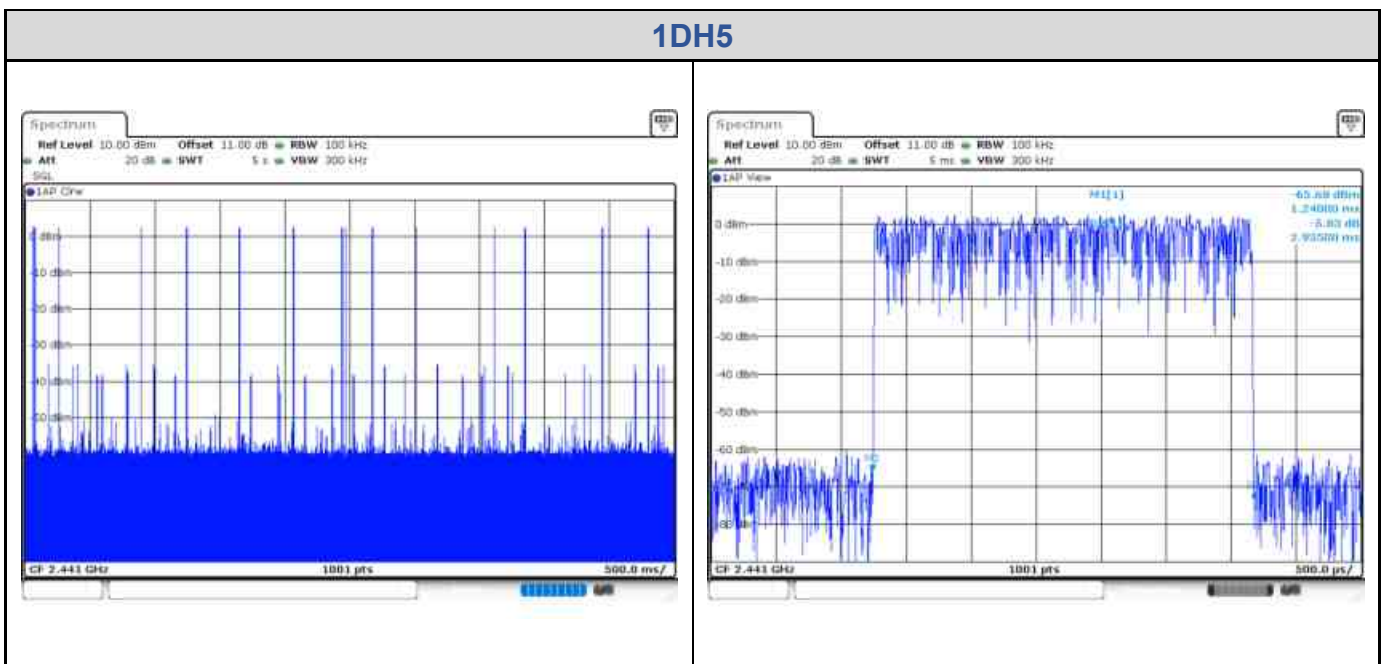
Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass



Test Result of Dwell Time

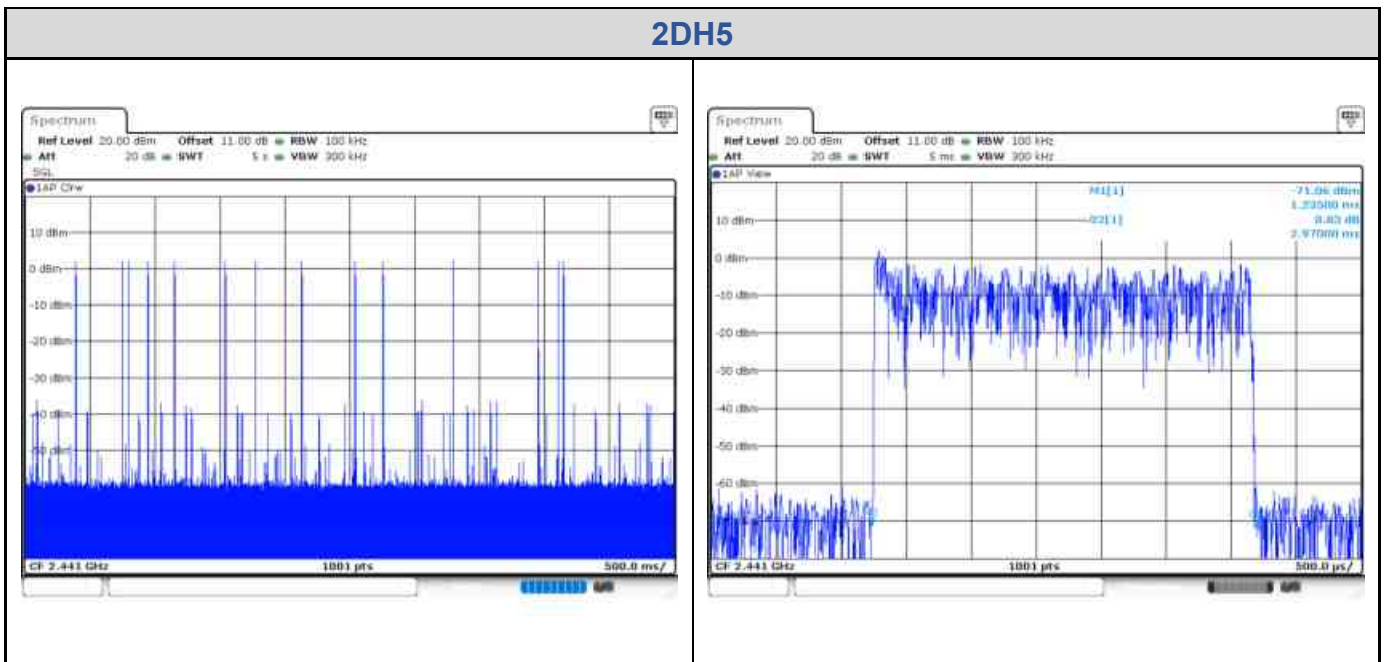
GFSK

Data Mode	Number of transfer in a 31.6 (79Hopping*0.4s)	Package transfer time (msec)	Dwell time (s)	Limit (s)	Result
1DH5	15 (times /5 sec) * 6.32= 94.8times	2.94	0.28	0.4	Pass



π/4-DQPSK

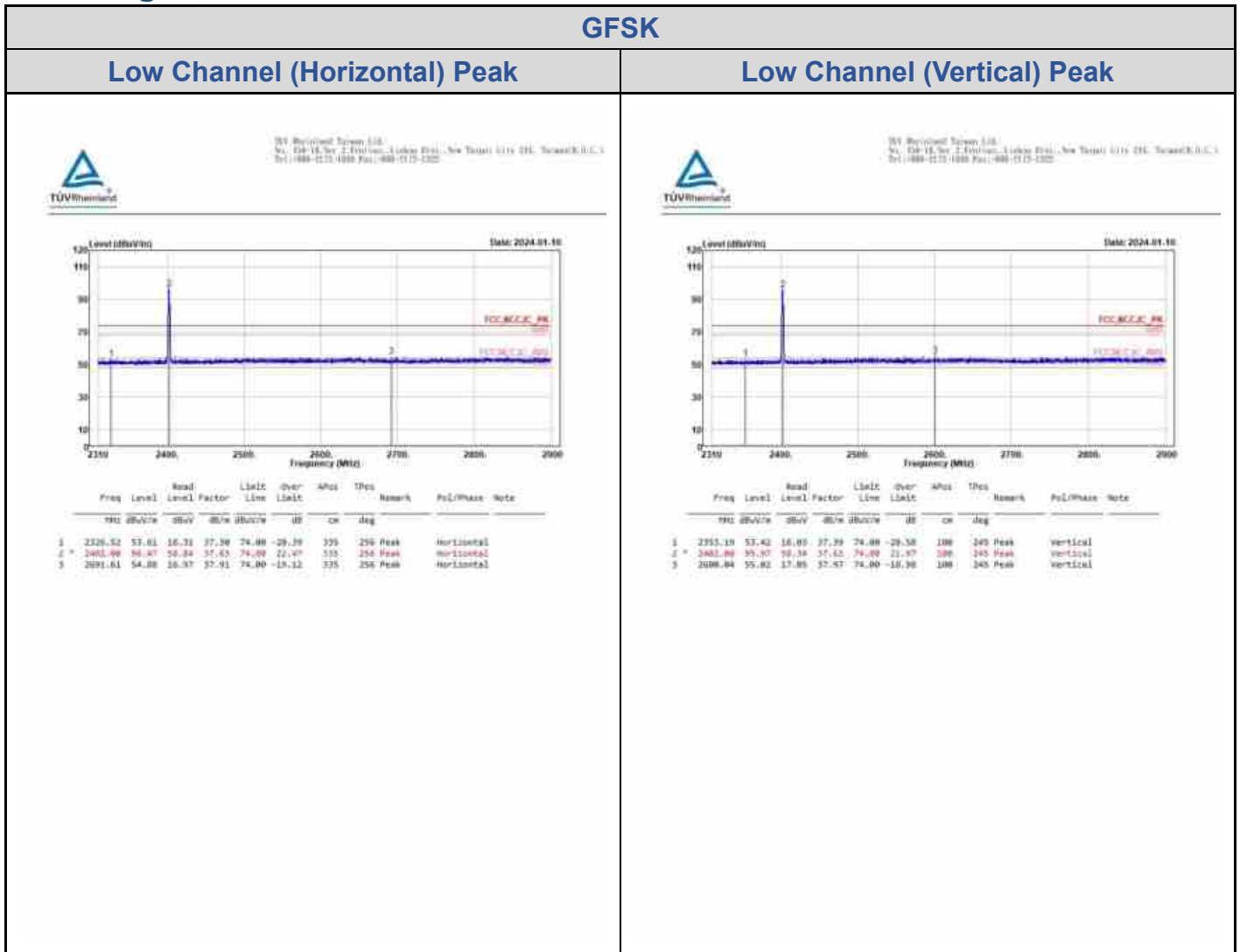
Data Mode	Number of transfer in a 31.6 (79Hopping*0.4s)	Package transfer time (msec)	Dwell time (s)	Limit (s)	Result
2DH5	13 (times /5 sec) * 6.32= 82.16 times	2.94	0.24	0.4	Pass



Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test For Left and Right Ears

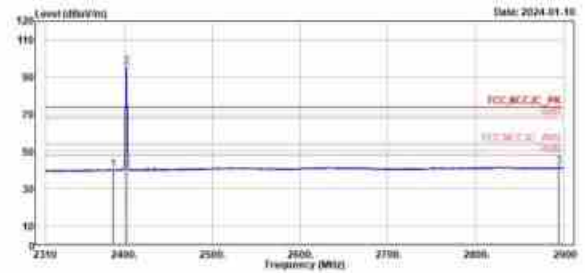
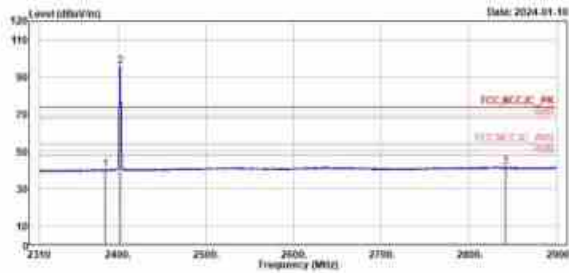
Left Ear Band Edges, 2.31GHz ~ 2.9GHz



GFSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



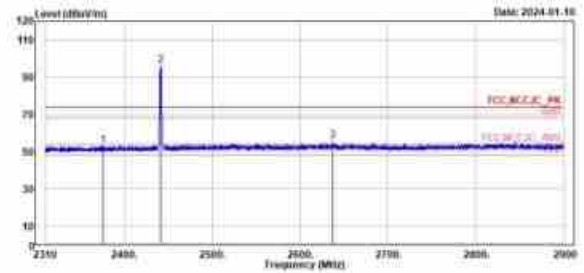
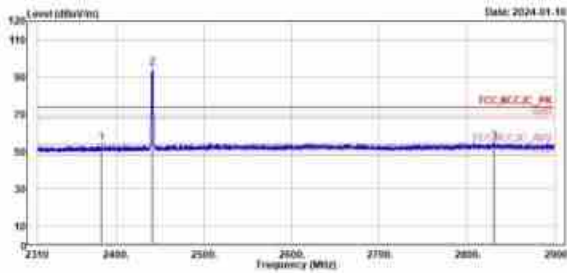
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2384.09	40.19	2.44	37.55	54.00	-13.01	335	256 Average	Horizontal	
2	2401.89	99.97	56.38	37.60	54.00	42.97	155	256 Average	Horizontal	
3	2841.47	41.61	3.44	38.17	54.00	-12.39	335	256 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2384.78	40.23	2.40	37.57	54.00	-13.77	108	245 Average	Vertical	
2	2401.89	99.40	57.26	37.60	54.00	42.40	108	245 Average	Vertical	
3	2834.57	41.71	3.31	38.40	54.00	-12.29	108	245 Average	Vertical	

GFSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



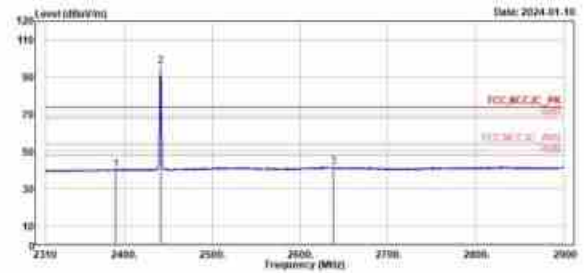
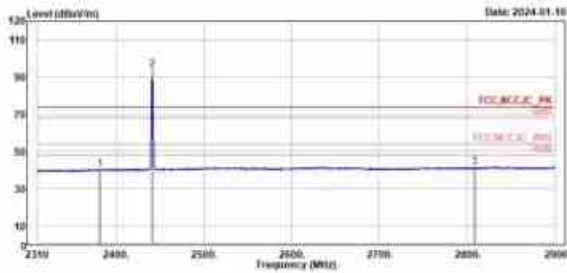
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2382.32	54.33	16.79	37.54	74.00	-18.67	357	281 Peak	Horizontal	
2	2445.89	58.75	17.87	40.88	74.00	-18.75	357	282 Peak	Horizontal	
3	2838.73	55.18	17.81	37.37	74.00	-18.63	357	282 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2375.25	53.85	15.55	37.50	74.00	-19.85	108	242 Peak	Vertical	
2	2445.89	58.17	16.19	41.98	74.00	-15.83	108	242 Peak	Vertical	
3	2837.11	55.73	17.72	38.01	74.00	-18.27	108	242 Peak	Vertical	

GFSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



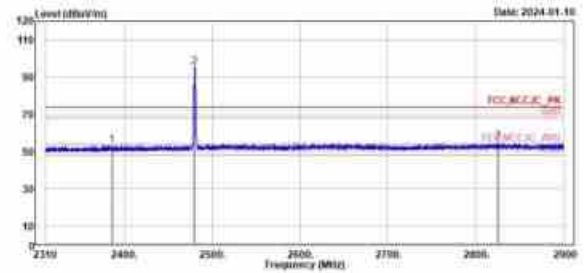
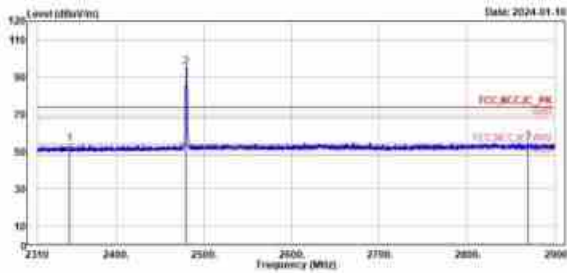
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2381.39	48.15	2.05	37.54	54.00	-13.01	357	281 Average	Horizontal	
2	2441.89	94.21	56.53	34.69	54.00	40.21	357	261 Average	Horizontal	
3	2698.55	41.58	3.38	38.19	54.00	-12.42	357	282 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2389.55	48.11	2.93	37.58	54.00	-13.89	108	241 Average	Vertical	
2	2441.89	95.72	58.18	37.65	54.00	41.79	108	242 Average	Vertical	
3	2638.29	41.45	3.44	38.81	54.00	-12.55	108	242 Average	Vertical	

GFSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



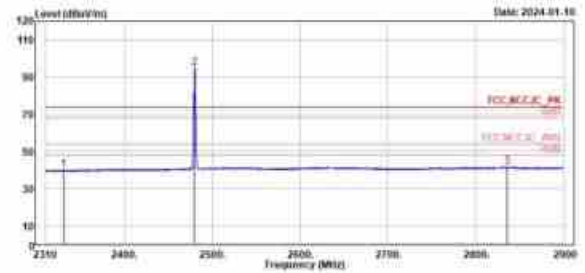
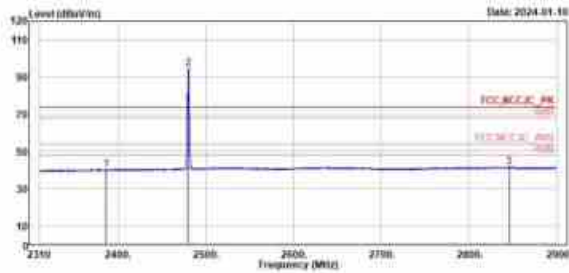
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2346.70	53.95	16.59	37.36	74.00	-20.05	318	270 Peak	Horizontal	
2	2400.00	95.18	37.37	57.79	74.00	21.18	518	270 Peak	Horizontal	
3	2068.29	55.05	18.78	36.27	74.00	-18.95	318	270 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2305.52	53.14	15.01	37.55	74.00	-20.86	108	134 Peak	Vertical	
2	2400.00	95.57	37.78	57.79	74.00	21.57	108	134 Peak	Vertical	
3	2025.51	55.08	18.82	36.18	74.00	-15.88	108	134 Peak	Vertical	

GFSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



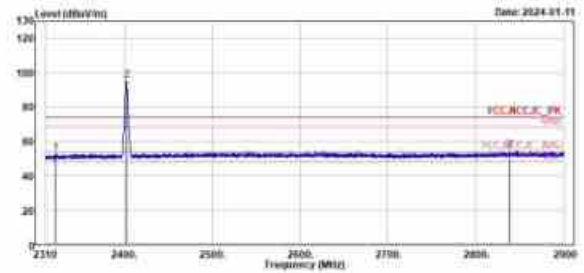
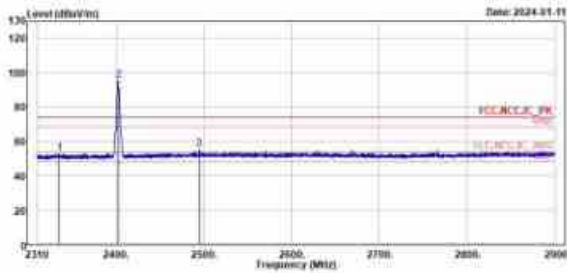
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2385.75	48.26	2.78	37.52	54.00	-13.74	318	278 Average	Horizontal	
2	2480.00	94.65	56.37	38.29	54.00	40.65	318	278 Average	Horizontal	
3	2845.72	41.48	3.32	38.17	54.00	-12.53	318	278 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2338.53	48.11	2.81	37.31	54.00	-13.88	108	134 Average	Vertical	
2	2480.00	95.95	57.19	37.79	54.00	42.05	108	134 Average	Vertical	
3	2839.81	41.67	3.48	38.18	54.00	-12.33	108	134 Average	Vertical	

π/4-DQPSK

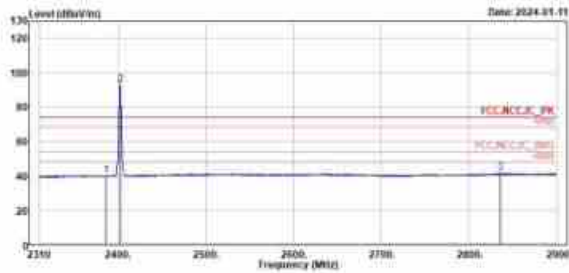
Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak

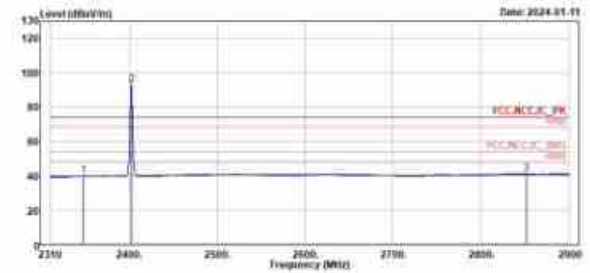


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	dB			
1	2334.00	52.95	15.99	36.96	74.00	-21.05	264	250 Peak	Horizontal	
2	2401.00	95.50	18.40	37.12	74.00	21.50	204	250 Peak	Horizontal	
3	2494.55	55.20	17.71	37.49	74.00	-18.80	264	250 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	dB			
1	2326.37	53.00	16.21	36.79	74.00	-20.82	100	3 Peak	Vertical	
2	2401.00	95.50	18.12	37.38	74.00	21.04	100	3 Peak	Vertical	
3	2439.52	54.00	17.80	36.20	74.00	-19.32	100	3 Peak	Vertical	

$\pi/4$ -DQPSK
Low Channel (Horizontal) Average
Low Channel (Vertical) Average


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2388.48	59.87	-2.77	57.10	54.00	-14.13	264	258 Average	Horizontal	
2	2402.89	92.90	55.34	57.12	54.00	39.90	264	258 Average	Horizontal	
3	2838.69	41.28	-5.68	57.66	54.00	-12.72	264	258 Average	Horizontal	

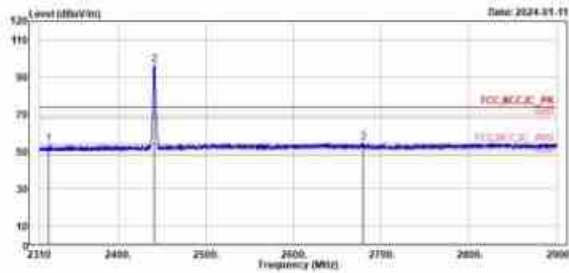


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2347.41	59.99	-2.99	57.04	54.00	-14.01	108	3 Average	Vertical	
2	2402.89	92.72	55.68	57.12	54.00	38.72	108	3 Average	Vertical	
3	2851.62	41.89	-5.38	57.73	54.00	-12.93	108	3 Average	Vertical	

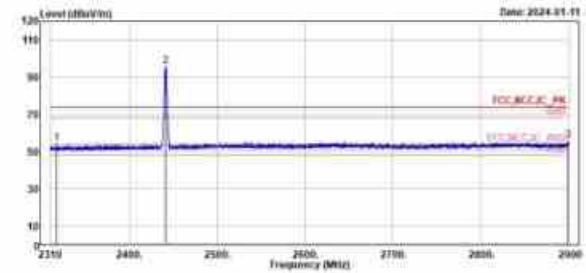
π/4-DQPSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	2529.54	57.78	16.58	37.28	74.00	-29.22	100	263 Peak	Horizontal	
2	2441.89	56.91	15.23	37.68	74.00	-22.91	100	265 Peak	Horizontal	
3	2579.54	54.96	17.82	37.14	74.00	-18.04	100	263 Peak	Horizontal	

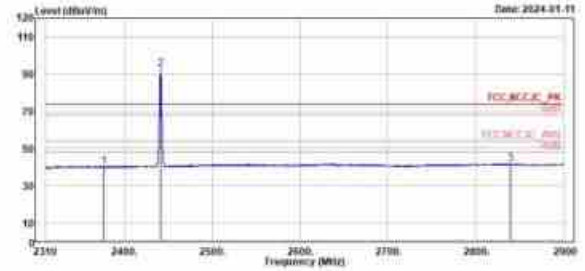
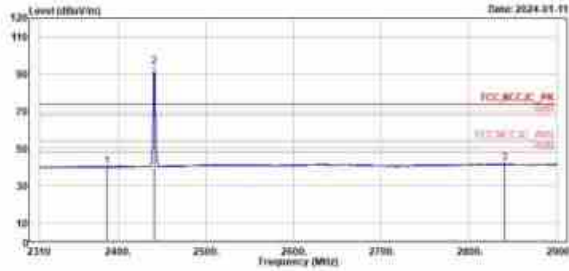


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	2529.55	54.25	17.85	37.28	74.00	-19.71	100	300 Peak	Vertical	
2	2441.89	55.84	17.98	37.86	74.00	-21.54	100	300 Peak	Vertical	
3	2579.55	55.54	17.12	38.42	74.00	-18.40	100	300 Peak	Vertical	

π/4-DQPSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



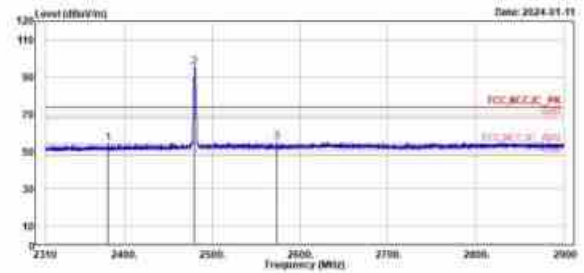
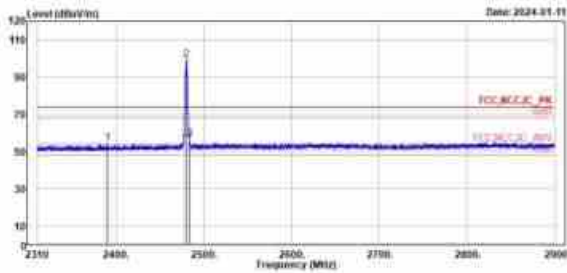
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2387.41	40.33	3.70	37.57	54.00	-13.67	100	363	Average	Horizontal	
2	2442.00	94.00	50.43	34.60	54.00	40.00	300	265	Average	Horizontal	
3	2848.25	41.00	3.71	38.17	54.00	-12.12	100	263	Average	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2376.28	40.33	2.85	37.50	54.00	-13.67	100	360	Average	Vertical	
2	2442.00	92.70	53.13	37.60	54.00	38.70	300	300	Average	Vertical	
3	2839.11	41.01	3.44	38.17	54.00	-12.30	100	300	Average	Vertical	

π/4-DQPSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



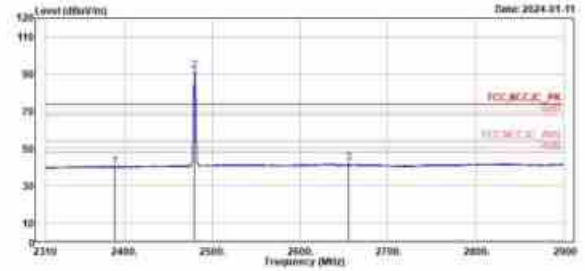
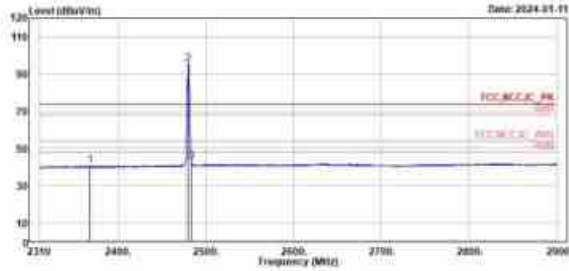
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2388.53	54.12	16.54	37.58	74.00	-19.00	148	266 Peak	Horizontal	
2	2480.00	90.90	41.82	31.79	74.00	24.53	290	266 Peak	Horizontal	
3	2483.50	55.61	18.81	37.00	74.00	-17.39	148	266 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2381.83	54.26	16.72	37.54	74.00	-19.74	100	317 Peak	Vertical	
2	2480.00	95.04	37.45	31.79	74.00	21.29	100	317 Peak	Vertical	
3	2573.02	55.28	17.28	37.94	74.00	-16.98	100	317 Peak	Vertical	

$\pi/4$ -DQPSK

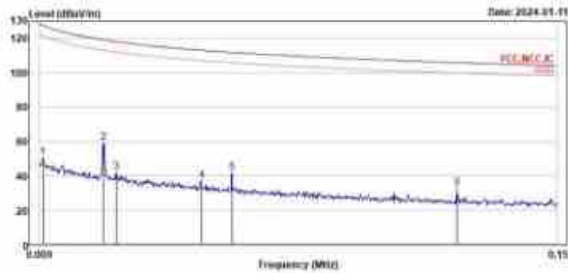
High Channel (Horizontal) Average

High Channel (Vertical) Average

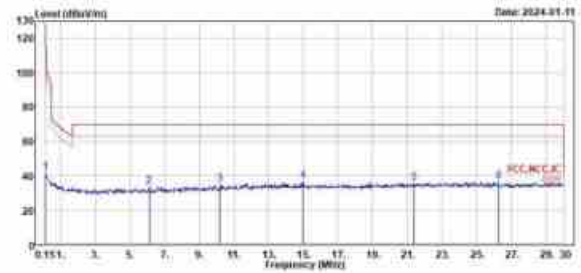


Line	Freq	Level	Read Level	Factor	Limit	Over	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBuV/m	dBuV	dB	dBuV/m	dB	dB	deg			
1	2367.23	40.42	2.96	37.46	54.00	-13.58	148	148	Average	Horizontal	
2	2480.00	95.36	57.77	37.59	54.00	41.36	262	262	Average	Horizontal	
3	2483.50	42.77	4.87	37.90	54.00	-11.23	148	148	Average	Horizontal	

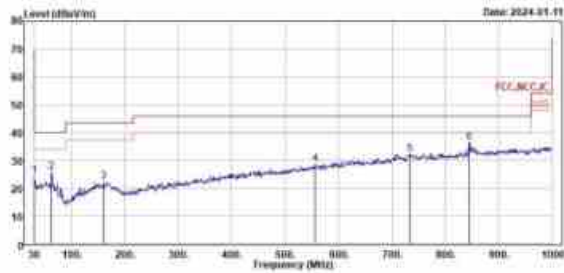
Line	Freq	Level	Read Level	Factor	Limit	Over	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBuV/m	dBuV	dB	dBuV/m	dB	dB	deg			
1	2309.00	40.24	2.86	37.38	54.00	-13.76	100	117	Average	Vertical	
2	2480.00	91.90	54.11	37.79	54.00	37.90	100	117	Average	Vertical	
3	2654.00	41.00	3.87	38.13	54.00	-12.12	100	117	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz
GFSK
Low Channel(Open) 9kHz~150kHz
Low Channel(Open) 150kHz~30MHz


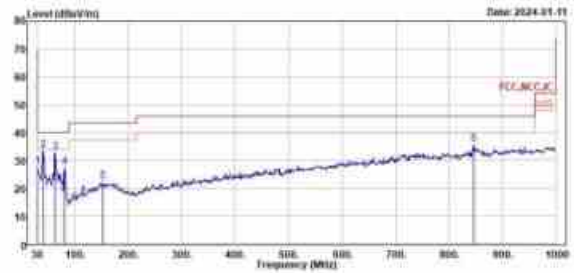
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	8.01	58.47	32.12	18.31	127.00	77.17	100	337	Peak	Open	
2	8.05	59.11	39.06	19.95	119.15	69.82	100	353	Peak	Open	
3	8.09	41.07	21.87	19.00	118.99	75.22	100	56	Peak	Open	
4	8.85	37.28	17.82	19.46	113.89	75.81	100	251	Peak	Open	
5	8.86	41.59	21.38	19.29	111.82	79.23	100	175	Peak	Open	
6	8.22	32.36	13.88	18.59	105.10	77.43	100	168	Peak	Open	



Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	8.15	41.09	23.04	18.05	104.00	62.09	100	203	Peak	Open	
2	8.12	33.58	13.33	20.05	69.50	59.12	100	138	Peak	Open	
3	16.21	34.93	13.64	21.29	69.50	54.57	100	64	Peak	Open	
4	14.99	36.98	13.88	21.98	69.50	52.68	100	69	Peak	Open	
5	21.37	33.77	13.10	22.58	69.50	33.73	100	297	Peak	Open	
6	24.34	38.44	13.93	22.79	69.50	33.06	100	148	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz
GFSK
Low Channel (Horizontal)
Low Channel (Vertical)


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	38.00	24.36	35.20	-8.50	48.00	-23.64	100	112 Peak	Horizontal	
2	62.81	23.79	35.93	-8.14	48.00	-24.21	200	128 Peak	Horizontal	
3	158.90	22.36	29.35	-6.99	43.50	-21.14	100	150 Peak	Horizontal	
4	355.74	20.00	29.78	-6.90	41.00	-21.00	174	168 Peak	Horizontal	
5	725.25	32.38	30.56	1.03	41.00	-13.61	300	35 Peak	Horizontal	
6	844.00	36.57	32.83	5.72	41.00	-4.43	331	368 Peak	Horizontal	



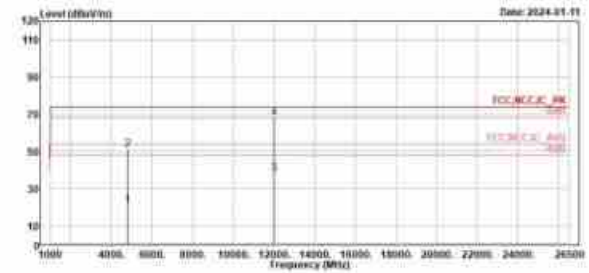
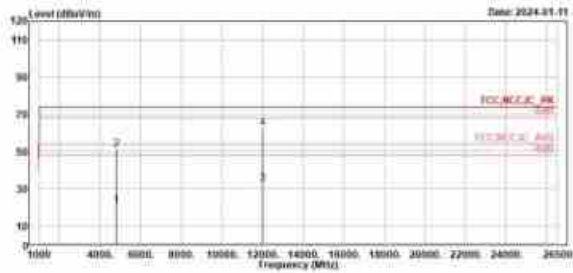
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	38.00	27.02	36.72	-8.50	48.00	-11.18	100	192 Peak	Vertical	
2	62.81	33.70	41.61	-7.91	48.00	-8.50	100	156 Peak	Vertical	
3	62.70	33.00	41.34	-8.54	48.00	-7.00	200	166 Peak	Vertical	
4	38.44	27.57	39.80	-12.23	48.00	-12.43	313	368 Peak	Vertical	
5	151.23	22.42	25.70	-7.34	43.50	-21.00	100	128 Peak	Vertical	
6	164.74	35.05	32.15	1.70	41.00	-10.15	300	257 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

GFSK

Low Channel (Horizontal)

Low Channel (Vertical)



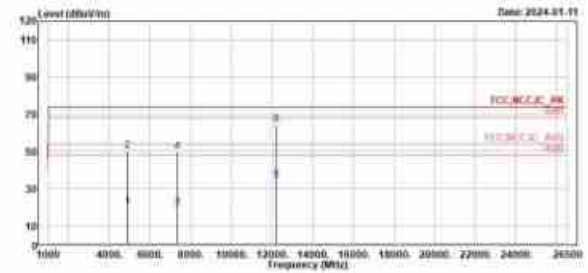
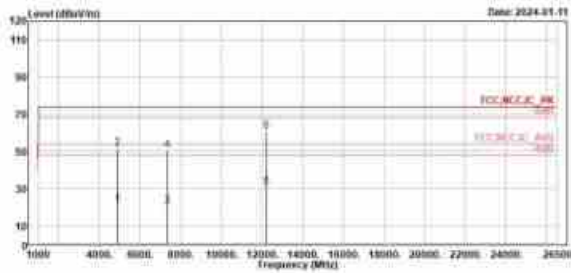
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4004.00	28.73	21.13	-18.40	54.00	-33.27	400	330 Average	Horizontal	CF
2	4004.00	58.53	01.33	-18.40	74.00	-23.07	400	330 Peak	Horizontal	
3	12618.00	32.39	34.87	-1.65	54.00	-21.63	100	315 Average	Horizontal	CF
4	12618.00	62.48	04.17	-1.65	74.00	-11.53	100	315 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4004.00	11.13	31.39	-18.40	54.00	-32.01	100	134 Average	Vertical	CF
2	4004.00	51.29	01.89	-18.40	74.00	-22.71	100	134 Peak	Vertical	
3	12618.00	38.18	39.78	-1.65	54.00	-15.90	100	63 Average	Vertical	CF
4	12618.00	68.28	03.88	-1.65	74.00	-5.68	100	63 Peak	Vertical	

GFSK

Middle Channel (Horizontal)

Middle Channel (Vertical)



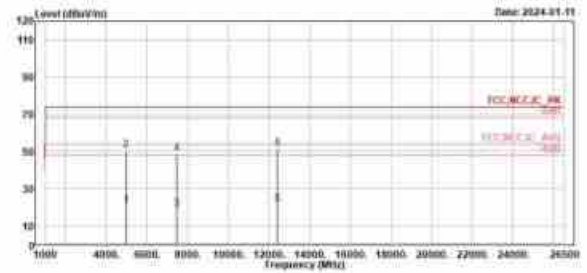
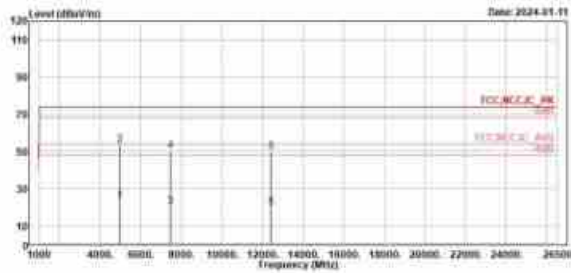
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	deg			
1	4082.00	21.34	71.58	-18.34	54.00	-32.76	100	189 Average	Horizontal	CF
2	4082.00	51.34	01.00	-18.34	74.00	-22.66	100	368 Peak	Horizontal	
3	7323.00	20.03	29.11	-8.51	54.00	-33.99	100	368 Average	Horizontal	CF
4	7323.00	58.71	39.11	-8.51	74.00	-15.29	100	368 Peak	Horizontal	
5	12295.00	39.63	51.88	-1.37	54.00	-14.37	100	272 Average	Horizontal	CF
6	12295.00	68.75	02.00	-1.37	74.00	-15.27	100	272 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	deg			
1	4082.00	10.06	36.26	-18.34	54.00	-43.94	100	189 Average	Vertical	CF
2	4082.00	50.06	00.00	-18.34	74.00	-23.94	100	189 Peak	Vertical	
3	7323.00	13.05	29.16	-8.51	54.00	-40.95	100	111 Average	Vertical	CF
4	7323.00	49.25	30.16	-8.51	74.00	-24.75	100	111 Peak	Vertical	
5	12295.00	34.42	35.78	-1.37	54.00	-19.58	100	55 Average	Vertical	CF
6	12295.00	64.52	01.00	-1.37	74.00	-9.48	100	55 Peak	Vertical	

GFSK

High Channel (Horizontal)

High Channel (Vertical)



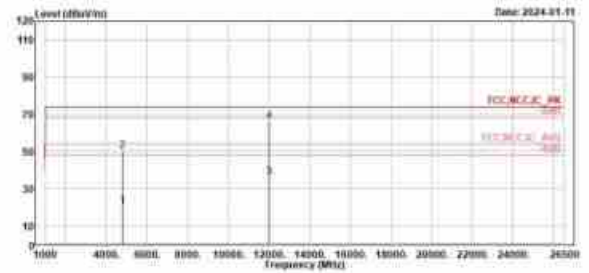
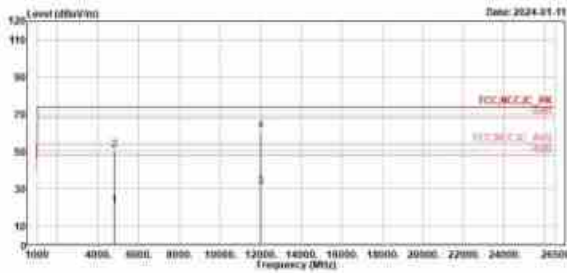
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4908.00	23.20	35.42	-18.22	54.00	-30.00	238	181 Average	Horizontal	CF
2	4908.00	55.20	43.52	-18.22	74.00	-20.70	238	181 Peak	Horizontal	
3	7448.00	29.20	16.52	-8.32	54.00	-27.00	100	252 Average	Horizontal	CF
4	7448.00	58.20	50.82	-8.32	74.00	-23.70	100	252 Peak	Horizontal	
5	12488.00	18.40	20.88	-1.50	54.00	-34.52	100	368 Average	Horizontal	CF
6	12488.00	49.56	58.94	-1.50	74.00	-24.42	200	368 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4908.00	29.73	36.95	-18.22	54.00	-23.27	100	140 Average	Vertical	CF
2	4908.00	58.83	41.89	-18.22	74.00	-23.17	100	140 Peak	Vertical	
3	7448.00	18.89	27.81	-8.32	54.00	-35.21	100	118 Average	Vertical	CF
4	7448.00	48.79	37.11	-8.32	74.00	-25.21	100	118 Peak	Vertical	
5	12488.00	23.27	22.62	-1.50	54.00	-32.73	100	232 Average	Vertical	CF
6	12488.00	51.37	52.73	-1.50	74.00	-22.63	100	232 Peak	Vertical	

π/4-DQPSK

Low Channel (Horizontal)

Low Channel (Vertical)



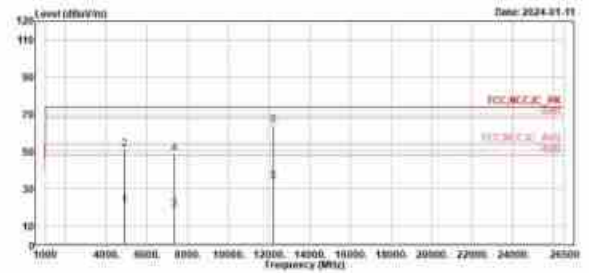
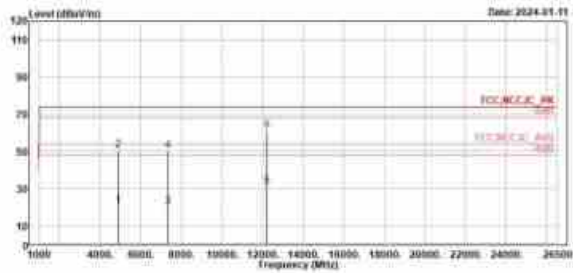
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	4004.00	28.71	21.11	-18.40	54.00	-33.29	100	160 Average	Horizontal	CF
2	4004.00	58.61	01.21	-18.40	74.00	-23.19	100	358 Peak	Horizontal	
3	12618.00	31.24	31.91	-1.65	54.00	-22.76	100	263 Average	Horizontal	CF
4	12618.00	61.34	03.82	-1.65	74.00	-12.66	100	203 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	4004.00	28.16	36.56	-18.40	54.00	-33.84	100	181 Average	Vertical	CF
2	4004.00	58.26	08.66	-18.40	74.00	-23.74	100	181 Peak	Vertical	
3	12618.00	31.25	37.93	-1.65	54.00	-27.75	100	53 Average	Vertical	CF
4	12618.00	60.35	08.03	-1.65	74.00	-7.65	100	53 Peak	Vertical	

π/4-DQPSK

Middle Channel (Horizontal)

Middle Channel (Vertical)



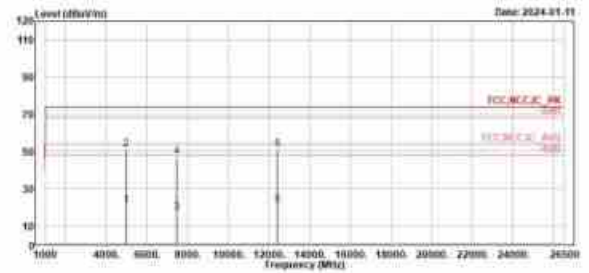
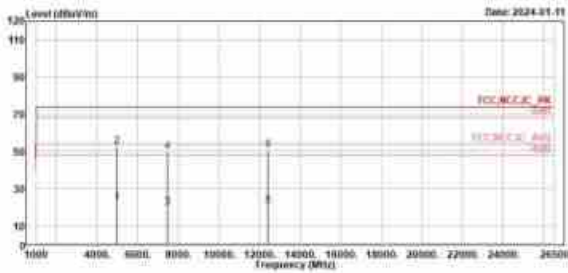
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4882.00	28.00	21.87	-18.34	54.00	-25.32	239	33 Average	Horizontal	CF
2	4882.00	58.70	01.12	-18.34	74.00	-23.22	230	33 Peak	Horizontal	
3	7323.00	29.00	20.31	-6.51	54.00	-24.00	100	161 Average	Horizontal	CF
4	7323.00	58.10	50.61	-6.51	74.00	-25.90	100	161 Peak	Horizontal	
5	12295.00	39.00	32.39	-1.37	54.00	-23.11	100	257 Average	Horizontal	CF
6	12295.00	68.30	62.38	-1.37	74.00	-13.01	100	257 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	4882.00	21.81	21.35	-18.34	54.00	-32.09	409	138 Average	Vertical	CF
2	4882.00	51.13	01.45	-18.34	74.00	-22.09	409	138 Peak	Vertical	
3	7323.00	18.56	27.87	-6.51	54.00	-35.44	102	257 Average	Vertical	CF
4	7323.00	48.06	37.17	-6.51	74.00	-25.34	102	257 Peak	Vertical	
5	12295.00	35.00	35.00	-1.37	54.00	-29.31	100	50 Average	Vertical	CF
6	12295.00	63.79	01.15	-1.37	74.00	-18.21	100	50 Peak	Vertical	

π/4-DQPSK

High Channel (Horizontal)

High Channel (Vertical)



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	4908.00	22.81	22.81	-18.22	54.00	-31.00	100	265 Average	Horizontal	CF
2	4908.00	52.81	52.81	-18.22	74.00	-21.00	100	265 Peak	Horizontal	
3	7448.00	19.53	27.83	-8.32	54.00	-34.47	100	330 Average	Horizontal	CF
4	7448.00	49.53	37.95	-8.32	74.00	-24.37	100	330 Peak	Horizontal	
5	12488.00	28.31	21.87	-1.56	54.00	-32.40	100	360 Average	Horizontal	CF
6	12488.00	58.31	51.87	-1.56	74.00	-23.30	100	360 Peak	Horizontal	

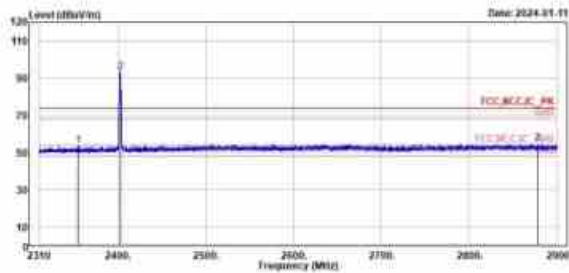
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	4908.00	21.28	31.42	-18.22	54.00	-32.00	100	184 Average	Vertical	CF
2	4908.00	51.28	41.52	-18.22	74.00	-22.70	100	184 Peak	Vertical	
3	7448.00	16.02	25.14	-8.32	54.00	-37.58	300	194 Average	Vertical	CF
4	7448.00	46.02	35.24	-8.32	74.00	-27.08	300	194 Peak	Vertical	
5	12488.00	29.00	22.16	-1.56	54.00	-33.20	300	180 Average	Vertical	CF
6	12488.00	59.00	52.16	-1.56	74.00	-23.10	300	180 Peak	Vertical	

Right Ear
 Band Edges, 2.31GHz ~ 2.9GHz

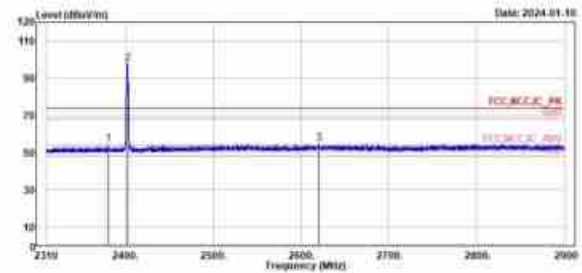
GFSK

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV	dB	dB	deg			
1	2354.25	53.55	16.15	37.40	74.00	-20.45	350	220	Peak	Horizontal	
2	2402.00	55.07	17.07	38.00	74.00	-18.93	350	225	Peak	Horizontal	
3	2878.25	54.08	16.57	37.51	74.00	-19.42	350	205	Peak	Horizontal	

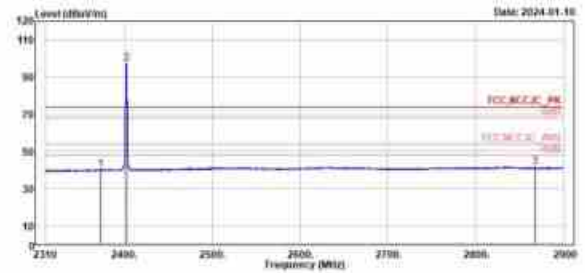
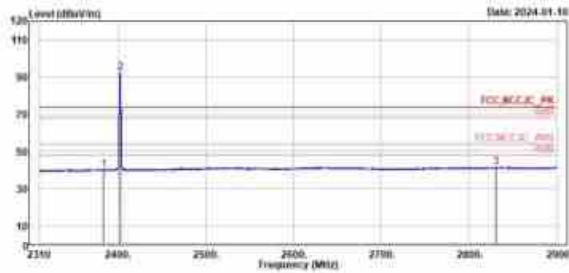


Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV	dB	dB	deg			
1	2308.00	54.24	16.71	37.53	74.00	-19.76	100	220	Peak	Vertical	
2	2402.00	57.91	19.91	38.00	74.00	-16.09	100	220	Peak	Vertical	
3	2826.50	54.54	16.55	37.99	74.00	-19.46	100	220	Peak	Vertical	

GFSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



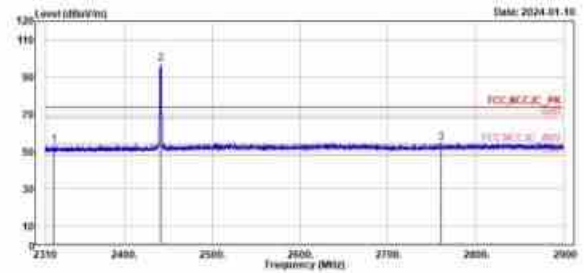
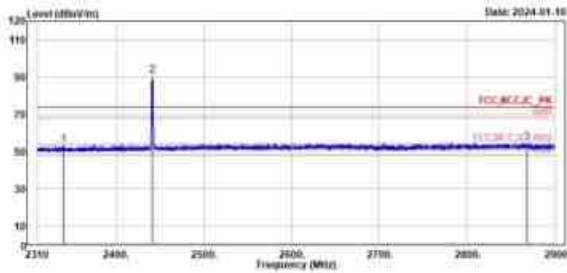
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	dB			
1	2383.84	40.11	2.77	37.34	54.00	-13.89	358	280 Average	Horizontal	
2	2401.89	62.30	34.78	34.43	54.00	30.30	358	205 Average	Horizontal	
3	2838.58	41.64	3.48	38.18	54.00	-12.36	358	265 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	dB			
1	2372.42	40.14	2.67	37.47	54.00	-13.84	108	238 Average	Vertical	
2	2402.89	67.14	39.11	37.03	54.00	45.14	108	238 Average	Vertical	
3	2867.55	41.58	3.38	38.20	54.00	-12.42	108	228 Average	Vertical	

GFSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



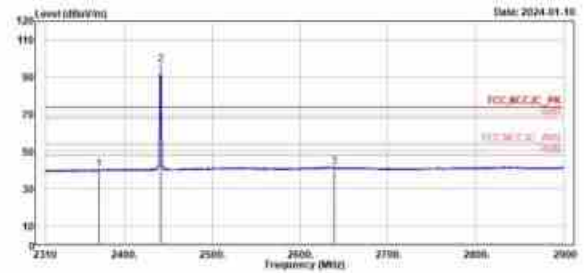
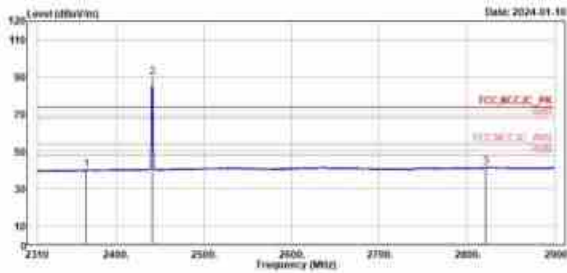
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2336.74	53.16	15.82	37.34	74.00	-28.84	400	140 Peak	Horizontal	
2	2441.89	96.30	15.88	37.42	74.00	21.88	400	248 Peak	Horizontal	
3	2688.49	54.85	16.88	38.25	74.00	-19.15	400	248 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2119.08	53.28	16.80	37.28	74.00	-20.72	270	193 Peak	vertical	
2	2441.89	97.38	16.42	37.42	74.00	22.96	270	193 Peak	vertical	
3	2768.17	54.72	16.58	38.14	74.00	-19.28	270	193 Peak	vertical	

GFSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



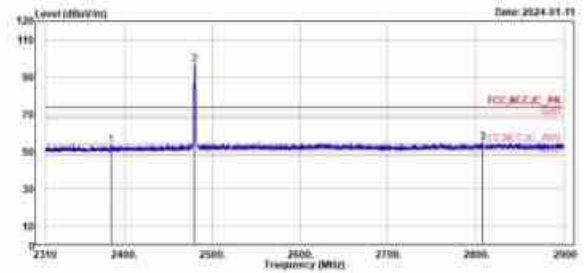
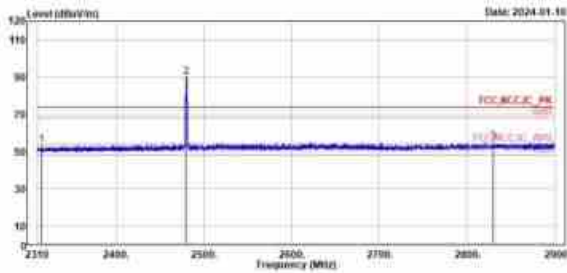
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2365.24	40.17	2.72	37.45	54.00	-13.83	400	140 Average	Horizontal	
2	2441.00	96.90	52.17	37.00	54.00	50.90	400	140 Average	Horizontal	
3	2821.41	41.56	3.17	38.39	54.00	-12.44	400	140 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2370.30	40.22	2.64	37.40	54.00	-13.80	270	193 Average	Vertical	
2	2441.00	96.90	52.00	37.00	54.00	43.60	170	193 Average	Vertical	
3	2830.51	41.00	3.50	38.01	54.00	-12.40	270	193 Average	Vertical	

GFSK

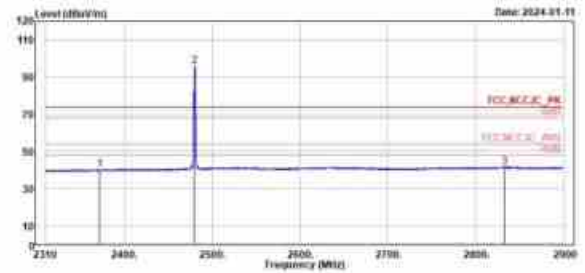
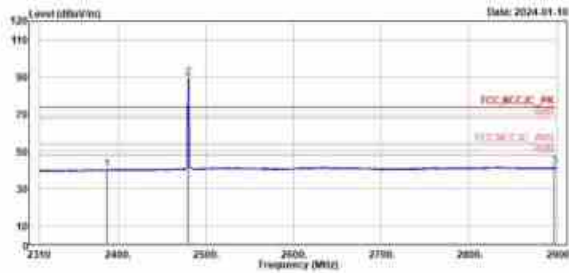
High Channel (Horizontal) Peak

High Channel (Vertical) Peak



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2314.22	53.17	15.91	37.26	74.00	-20.83	305	213 Peak	Horizontal	
2	2400.00	90.04	52.25	37.79	74.00	16.04	305	273 Peak	Horizontal	
3	2828.91	55.06	16.88	38.18	74.00	-16.94	305	273 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2304.50	53.04	15.89	37.15	74.00	-20.86	328	140 Peak	Vertical	
2	2400.00	90.04	52.25	37.79	74.00	16.04	328	140 Peak	Vertical	
3	2807.96	54.06	16.47	37.59	74.00	-16.41	328	140 Peak	Vertical	

GFSK
High Channel (Horizontal) Average
High Channel (Vertical) Average


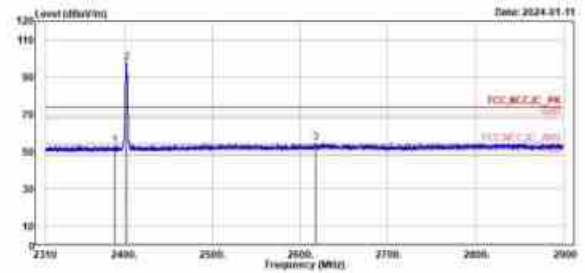
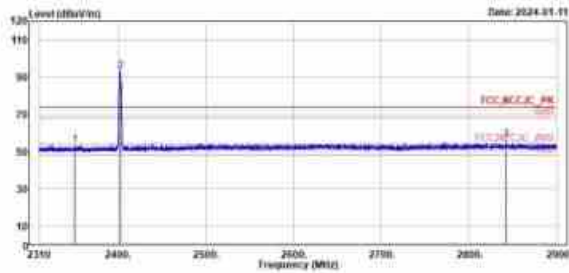
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2388.50	48.24	2.47	37.57	54.00	-13.76	305	213 Average	Horizontal	
2	2480.00	89.22	51.98	35.79	54.00	35.55	305	273 Average	Horizontal	
3	2897.64	41.53	3.12	38.41	54.00	-12.47	305	273 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	dB	deg			
1	2373.71	48.88	2.59	37.49	54.00	-15.82	328	140 Average	Vertical	
2	2480.00	95.83	58.84	37.79	54.00	42.53	328	140 Average	Vertical	
3	2832.27	41.54	5.38	38.18	54.00	-12.46	328	140 Average	Vertical	

π/4-DQPSK

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



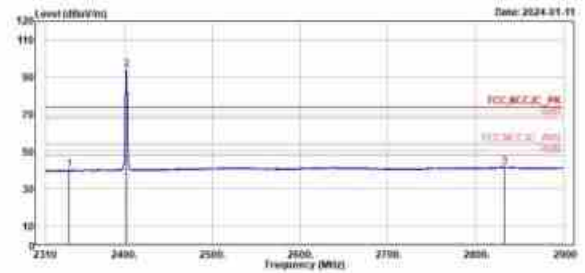
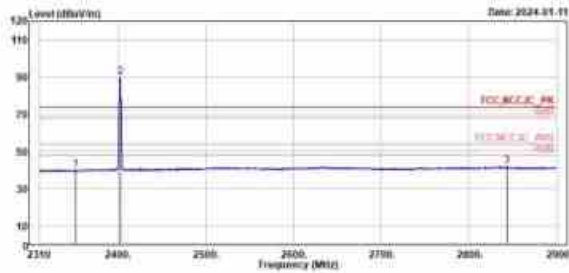
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	dB			
1	2398.71	53.56	16.19	37.37	74.00	-20.44	360	281 Peak	Horizontal	
2	2401.00	81.28	35.88	37.40	74.00	10.29	508	282 Peak	Horizontal	
3	2841.54	56.27	18.18	38.17	74.00	-17.73	358	283 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	dB			
1	2398.71	53.11	15.55	37.57	74.00	-20.89	100	212 Peak	vertical	
2	2401.00	81.55	35.88	37.62	74.00	13.53	100	213 Peak	vertical	
3	2817.27	54.68	18.88	37.80	74.00	-19.32	100	214 Peak	vertical	

π/4-DQPSK

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



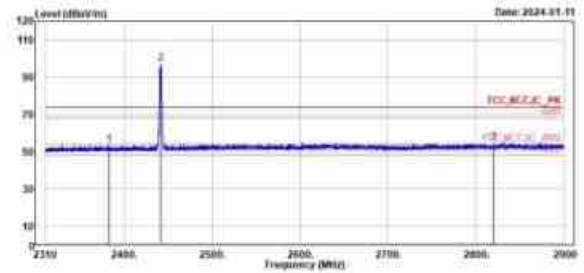
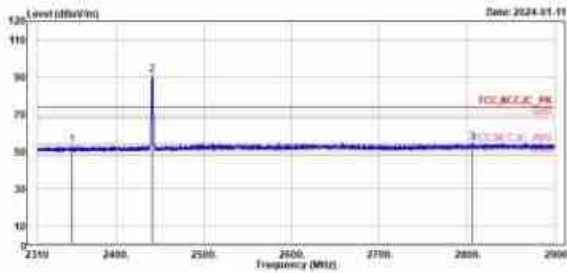
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBμV/m	dBμV	dB/m	dBμV/m	dB	dB	deg			
1	2351.10	40.19	2.82	37.37	54.00	-13.81	300	281 Average	Horizontal	
2	2401.80	69.76	52.87	34.63	54.00	39.76	500	262 Average	Horizontal	
3	2842.09	41.07	3.71	38.16	54.00	-12.13	350	282 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBμV/m	dBμV	dB/m	dBμV/m	dB	dB	deg			
1	2376.00	40.19	2.86	37.33	54.00	-13.81	100	211 Average	Vertical	
2	2401.80	69.97	56.18	37.60	54.00	39.97	100	212 Average	Vertical	
3	2832.79	41.58	3.32	38.18	54.00	-12.58	100	213 Average	Vertical	

π/4-DQPSK

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



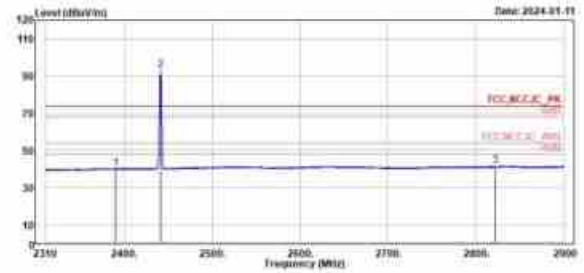
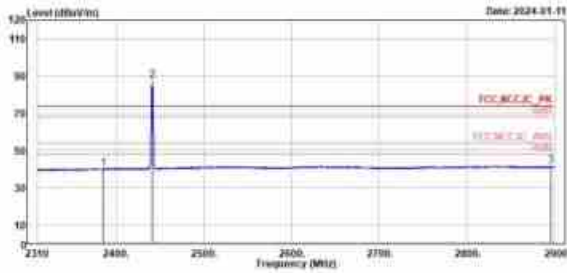
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2340.45	57.34	15.87	37.57	74.00	-29.70	400	144	Peak	Horizontal	
2	2441.00	81.33	55.85	35.48	74.00	17.55	400	244	Peak	Horizontal	
3	2885.40	54.87	16.87	38.00	74.00	-19.13	400	244	Peak	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	2382.45	53.56	16.82	37.54	74.00	-29.44	200	200	Peak	vertical	
2	2441.00	87.82	59.34	37.48	74.00	13.82	200	200	Peak	vertical	
3	2826.35	54.93	18.74	36.19	74.00	-19.07	200	200	Peak	vertical	

π/4-DQPSK

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



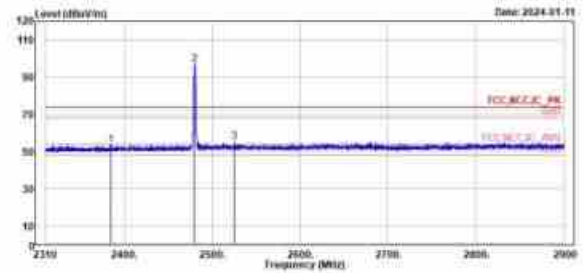
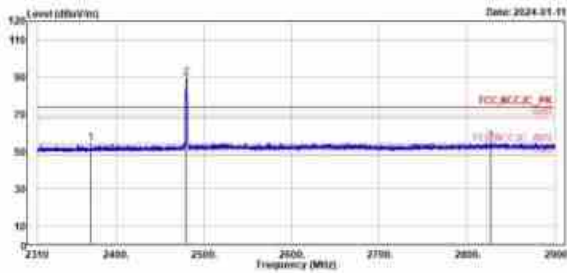
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBμV/m	dBμV	dB	dBμV	dB	dB	deg			
1	2385.48	40.13	3.98	37.55	54.00	-13.87	400	144	Average	Horizontal	
2	2445.89	67.55	45.85	34.68	54.00	13.53	400	144	Average	Horizontal	
3	2895.52	41.64	3.24	38.48	54.00	-15.56	400	144	Average	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBμV/m	dBμV	dB	dBμV	dB	dB	deg			
1	2389.41	49.28	2.42	37.58	54.00	-13.88	209	299	Average	vertical	
2	2445.89	67.99	31.41	37.68	54.00	19.89	258	299	Average	vertical	
3	2822.35	41.61	5.42	38.19	54.00	-15.39	209	299	Average	vertical	

π/4-DQPSK

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



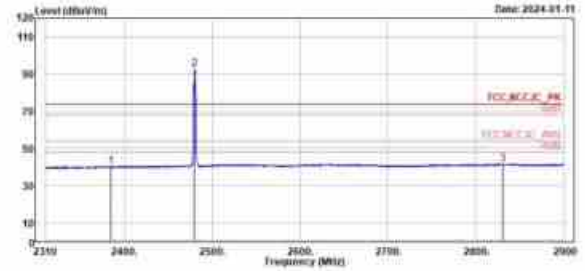
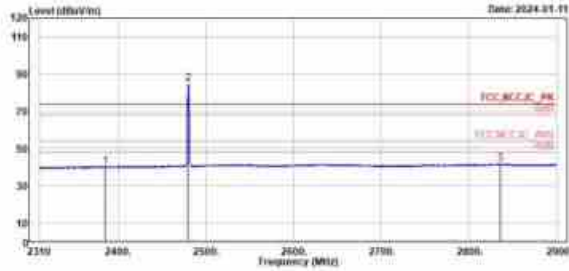
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2378.38	54.28	16.72	37.48	74.00	-19.00	387	385 Peak	Horizontal	
2	2480.89	68.26	31.47	31.79	74.00	33.26	597	385 Peak	Horizontal	
3	2822.31	55.27	17.88	38.18	74.00	-18.73	387	385 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	2384.18	57.88	16.95	37.55	74.00	-29.48	108	182 Peak	Vertical	
2	2480.89	68.84	35.85	31.79	74.00	22.84	108	182 Peak	Vertical	
3	2525.89	55.17	17.28	37.68	74.00	-18.03	108	182 Peak	Vertical	

$\pi/4$ -DQPSK

High Channel (Horizontal) Average

High Channel (Vertical) Average



Line	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBuV/m	dBuV	dB	dBuV/m	dB	dB	deg			
1	2384.09	40.11	2.96	37.55	54.00	-13.89	387	385	Average	Horizontal	
2	2480.89	84.93	47.18	35.79	54.00	30.93	307	385	Average	Horizontal	
3	2836.84	41.61	3.43	38.18	54.00	-12.39	387	385	Average	Horizontal	

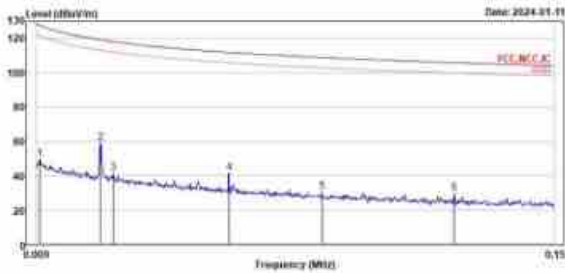
Line	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
	MHz	dBuV/m	dBuV	dB	dBuV/m	dB	dB	deg			
1	2383.75	40.13	2.84	37.55	54.00	-13.81	100	182	Average	Vertical	
2	2480.89	82.55	34.78	35.79	54.00	28.55	100	182	Average	Vertical	
3	2836.87	41.61	3.43	38.18	54.00	-12.39	100	182	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

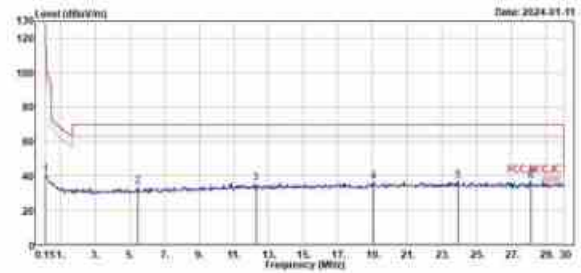
GFSK

Low Channel(Open) 9kHz~150kHz

Low Channel(Open) 150kHz~30MHz

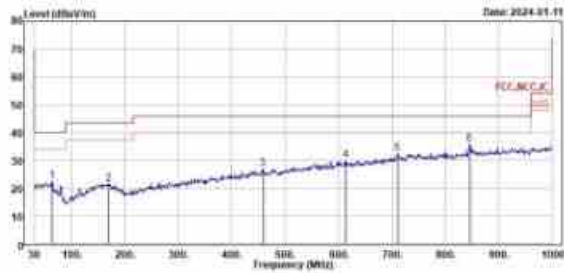


Line	Freq	Level	Read	Limit	Over	APos	Thes	Remark	PoL/Phase	Note
	[MHz]	[dBµV/m]	[dBµV]	[dBµV]	[dBµV]	[dB]	[deg]			
1	8.01	49.12	36.93	18.29	127.22	-79.38	100	295 Peak	Open	
2	8.05	59.02	39.47	19.55	119.13	-68.11	100	251 Peak	Open	
3	8.09	42.72	21.91	19.01	118.85	-76.33	100	46 Peak	Open	
4	8.86	42.51	22.22	19.29	111.80	-78.51	100	83 Peak	Open	
5	8.89	38.43	11.85	18.78	108.82	-78.39	100	251 Peak	Open	
6	8.22	25.53	16.94	18.59	105.88	-75.27	100	242 Peak	Open	

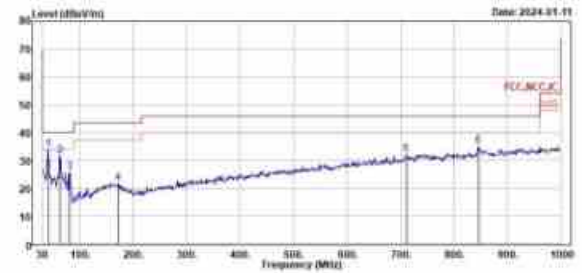


Line	Freq	Level	Read	Limit	Over	APos	Thes	Remark	PoL/Phase	Note
	[MHz]	[dBµV/m]	[dBµV]	[dBµV]	[dBµV]	[dB]	[deg]			
1	8.15	49.76	22.11	18.65	104.80	-63.32	100	290 Peak	Open	
2	8.46	33.68	13.85	19.03	69.38	-55.82	100	82 Peak	Open	
3	12.27	35.72	14.17	21.55	69.38	-55.78	100	58 Peak	Open	
4	16.92	38.45	14.84	22.41	69.38	-51.85	100	18 Peak	Open	
5	23.51	36.89	14.19	22.78	69.38	-52.61	100	329 Peak	Open	
6	28.09	38.72	13.87	22.65	69.38	-52.78	100	212 Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz
GFSK
Low Channel (Horizontal)
Low Channel (Vertical)

 93 Recycled Screen 0.6
 93 Da-18 for 2.17000m... (Loken Prod)... New Testat 01/19 ZHL... (TosandK...)
 Tel: +49-6123-1000 Fax: +49-6123-1002


Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	Pol/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	82.00	22.47	30.01	-7.54	40.00	-17.53	100	34	Peak	Horizontal	
2	168.71	21.62	29.79	-7.90	43.50	-21.00	400	140	Peak	Horizontal	
3	408.24	27.15	30.54	-3.39	41.00	-10.05	100	56	Peak	Horizontal	
4	411.37	30.06	30.10	-0.12	41.00	-10.94	200	15	Peak	Horizontal	
5	718.54	32.55	30.96	1.63	41.00	-13.45	279	137	Peak	Horizontal	
6	845.77	35.35	32.23	3.18	41.00	-18.07	400	200	Peak	Horizontal	


 93 Recycled Screen 0.6
 93 Da-18 for 2.17000m... (Loken Prod)... New Testat 01/19 ZHL... (TosandK...)
 Tel: +49-6123-1000 Fax: +49-6123-1002


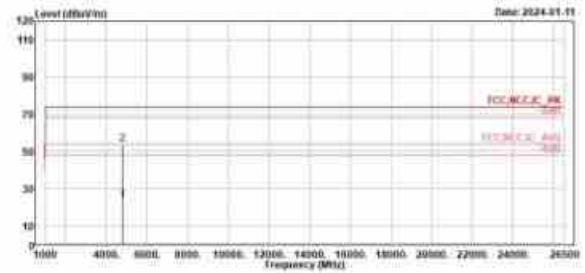
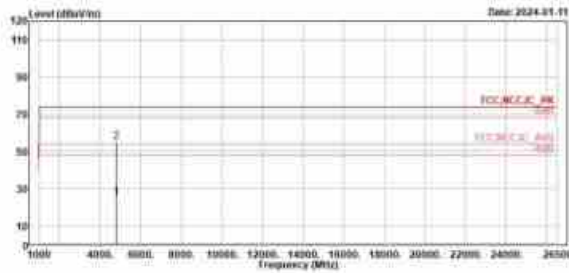
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	Pol/Phase	Note
	MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	48.67	34.61	41.31	-7.91	40.00	-5.99	100	140	Peak	Vertical	
2	82.00	21.62	29.95	-8.54	40.00	-9.39	200	230	Peak	Vertical	
3	30.44	25.97	35.20	-12.23	40.00	-14.03	100	320	Peak	Vertical	
4	171.62	22.00	29.20	-7.20	43.50	-21.50	400	50	Peak	Vertical	
5	718.54	32.55	30.96	1.63	41.00	-13.75	100	290	Peak	Vertical	
6	845.77	35.16	31.43	3.78	41.00	-18.02	200	230	Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

GFSK

Low Channel (Horizontal)

Low Channel (Vertical)



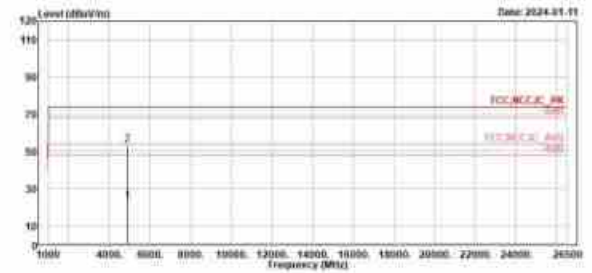
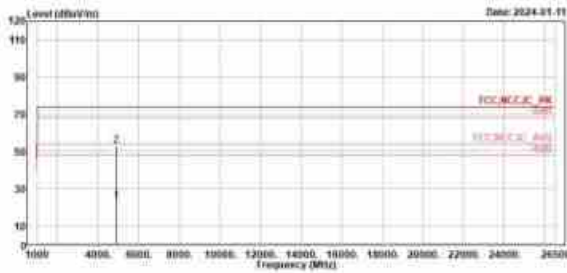
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4004.00	34.00	25.28	-18.40	54.00	-29.12	100	557 Average	Horizontal	CF
2	4004.00	54.30	45.30	-18.40	74.00	-19.02	100	337 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4004.00	23.72	34.15	-18.40	54.00	-30.27	300	195 Average	Vertical	CF
2	4004.00	55.03	44.23	-18.40	74.00	-19.17	300	153 Peak	Vertical	

GFSK

Middle Channel (Horizontal)

Middle Channel (Vertical)



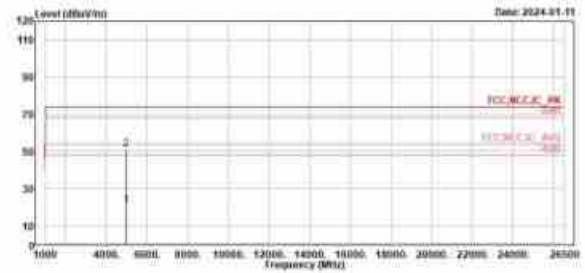
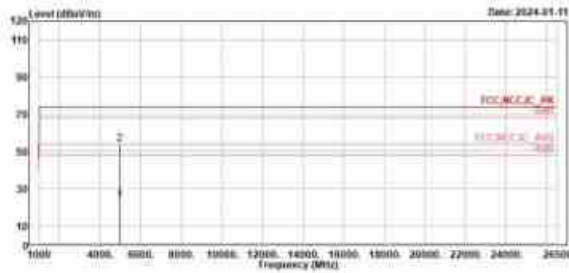
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4882.00	23.07	33.17	-18.34	54.00	-31.17	128	360 Average	Horizontal	CF
2	4882.00	52.95	83.27	-18.34	74.00	-22.07	128	360 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4882.00	23.29	33.55	-18.34	54.00	-30.01	300	244 Average	Vertical	CF
2	4882.00	57.28	83.85	-18.34	74.00	-19.71	300	244 Peak	Vertical	

GFSK

High Channel (Horizontal)

High Channel (Vertical)



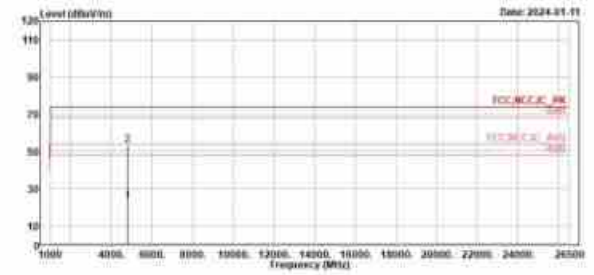
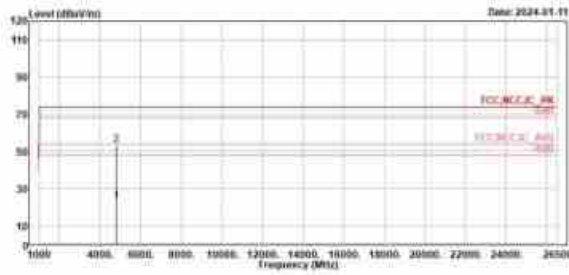
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV/dBµV/m	dBµV	dB	dB	deg			
1	4908.00	57.75	55.85	-18.22	74.00	-16.25	100	180 Average	Horizontal	CF
2	4908.00	57.75	83.95	-18.22	74.00	-16.25	100	100 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV/dBµV/m	dBµV	dB	dB	deg			
1	4908.00	51.35	51.37	-18.22	74.00	-22.65	100	270 Average	Vertical	CF
2	4908.00	51.35	81.47	-18.22	74.00	-22.75	100	270 Peak	Vertical	

π/4-DQPSK

Low Channel (Horizontal)

Low Channel (Vertical)



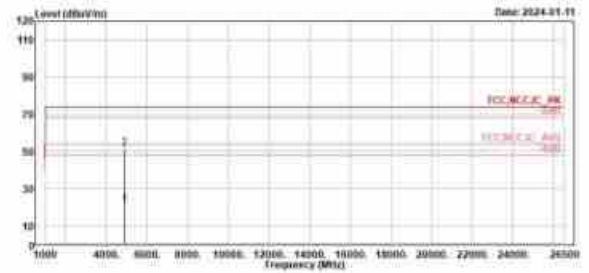
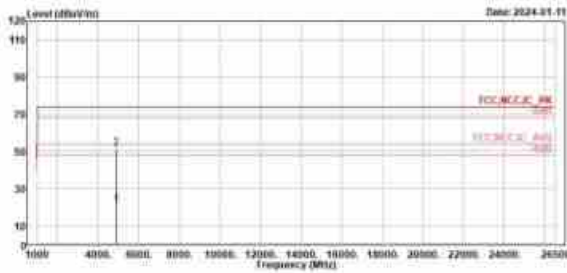
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	Pol/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	4004.00	55.58	-18.48	74.00	-18.42	300	267	Average	Horizontal	CF
2	4004.00	57.28	-18.48	74.00	-16.72	300	267	Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	Pol/Phase	Note
MHz	dBµV/m	dBµV	dB	dBµV/m	dB	dB	deg			
1	4004.00	57.58	-18.48	74.00	-16.42	300	179	Average	Vertical	CF
2	4004.00	57.28	-18.48	74.00	-16.72	300	179	Peak	Vertical	

π/4-DQPSK

Middle Channel (Horizontal)

Middle Channel (Vertical)



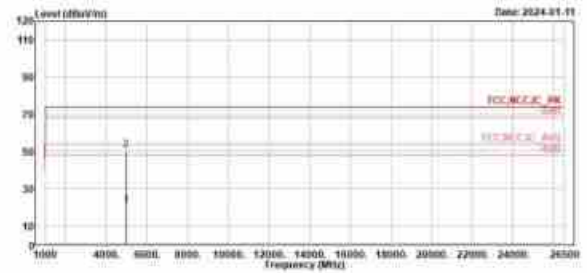
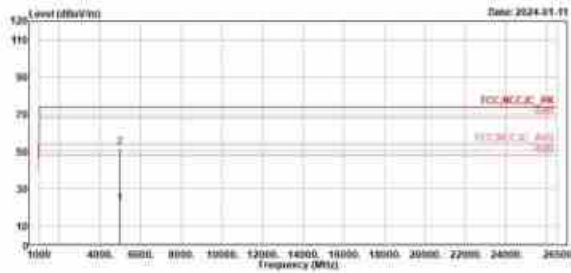
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	4882.00	71.34	21.58	-18.34	54.00	-32.76	180	33 Average	Horizontal	CF
2	4882.00	51.34	01.58	-18.34	34.00	-22.66	180	33 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dBµV	dBµV	dB	dB	deg			
1	4882.00	71.30	21.52	-18.34	54.00	-32.42	200	142 Average	Vertical	CF
2	4882.00	51.30	01.52	-18.34	34.00	-22.52	200	143 Peak	Vertical	

π/4-DQPSK

High Channel (Horizontal)

High Channel (Vertical)



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4968.00	51.90	51.00	-18.22	54.00	-31.28	400	193 Average	Horizontal	CF
2	4968.00	51.90	02.52	-18.22	74.00	-22.58	400	353 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	Thes	Remark	PoL/Phase	Note
MHz	dBµV/m	dBµV	dB/m	dBµV/m	dB	cm	deg			
1	4968.00	58.45	38.07	-18.22	54.00	-33.55	100	280 Average	Vertical	CF
2	4968.00	58.45	08.73	-18.22	74.00	-23.45	100	266 Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

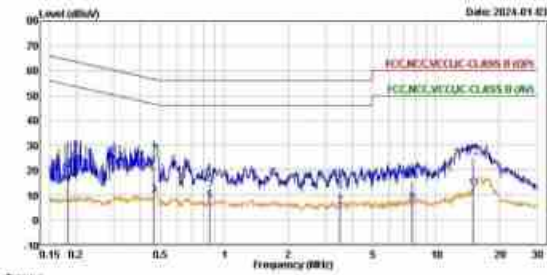
Worst Band

(Line)

(Neutral)



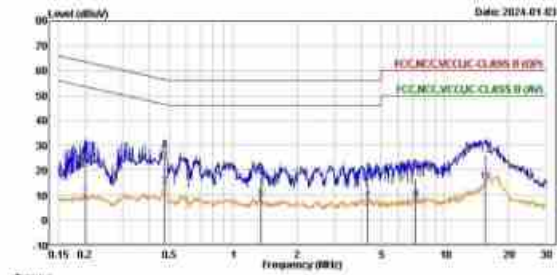
TÜV Rheinland TÜRKİYE Ltd.
 No. 439-19, Şişli 2. Kat, Levent, Beşiktaş, İstanbul, Türkiye (K.C.C.)
 Tel: +90-212-1007 840 Fax: +90-212-101 1202



Trace #	Freq. [MHz]	Level [dBµV]	Real Level Factor		Limit Line	Over Limit [dB]	Remark	FullPhase	Note
			[dB]	[dB]					
1	0.18	7.94	-1.09	0.02	54.34	-46.40	Average	Line1	
2	0.18	19.95	18.33	0.62	64.34	-44.39	QP	Line1	
3	0.47	9.32	8.29	0.65	46.00	-36.68	Average	Line1	
4	0.47	21.62	11.99	0.65	56.00	-34.38	QP	Line1	
5	0.85	7.46	-3.18	0.64	46.00	-38.54	Average	Line1	
6	0.85	14.46	4.82	0.64	56.00	-41.54	QP	Line1	
7	3.32	5.22	-4.87	0.68	46.00	-40.78	Average	Line1	
8	3.32	11.24	1.58	0.68	56.00	-44.76	QP	Line1	
9	7.75	6.98	-2.84	0.78	58.00	-51.02	Average	Line1	
10	7.75	16.25	3.51	0.78	68.00	-51.75	QP	Line1	
11	15.00	12.45	3.09	0.76	58.00	-45.55	Average	Line1	
12	15.00	24.79	15.03	0.76	68.00	-43.21	QP	Line1	



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Trace #	Freq. [MHz]	Level [dBµV]	Real Level Factor		Limit Line	Over Limit [dB]	Remark	FullPhase	Note
			[dB]	[dB]					
1	0.18	8.98	-0.72	0.02	53.56	-44.58	Average	Neutral	
2	0.18	20.06	18.44	0.62	63.56	-43.50	QP	Neutral	
3	0.47	19.35	3.72	0.65	46.00	-26.65	Average	Neutral	
4	0.47	27.58	17.87	0.65	56.00	-28.42	QP	Neutral	
5	1.35	8.24	-1.40	0.64	46.00	-37.76	Average	Neutral	
6	1.35	17.14	2.50	0.64	56.00	-38.86	QP	Neutral	
7	4.32	6.78	-2.92	0.70	46.00	-39.22	Average	Neutral	
8	4.32	14.08	6.88	0.70	56.00	-41.92	QP	Neutral	
9	7.72	7.06	-2.09	0.75	58.00	-50.94	Average	Neutral	
10	7.72	16.43	6.68	0.75	68.00	-51.57	QP	Neutral	
11	15.54	14.82	4.99	0.83	58.00	-43.18	Average	Neutral	
12	15.54	28.09	18.20	0.83	68.00	-39.91	QP	Neutral	