

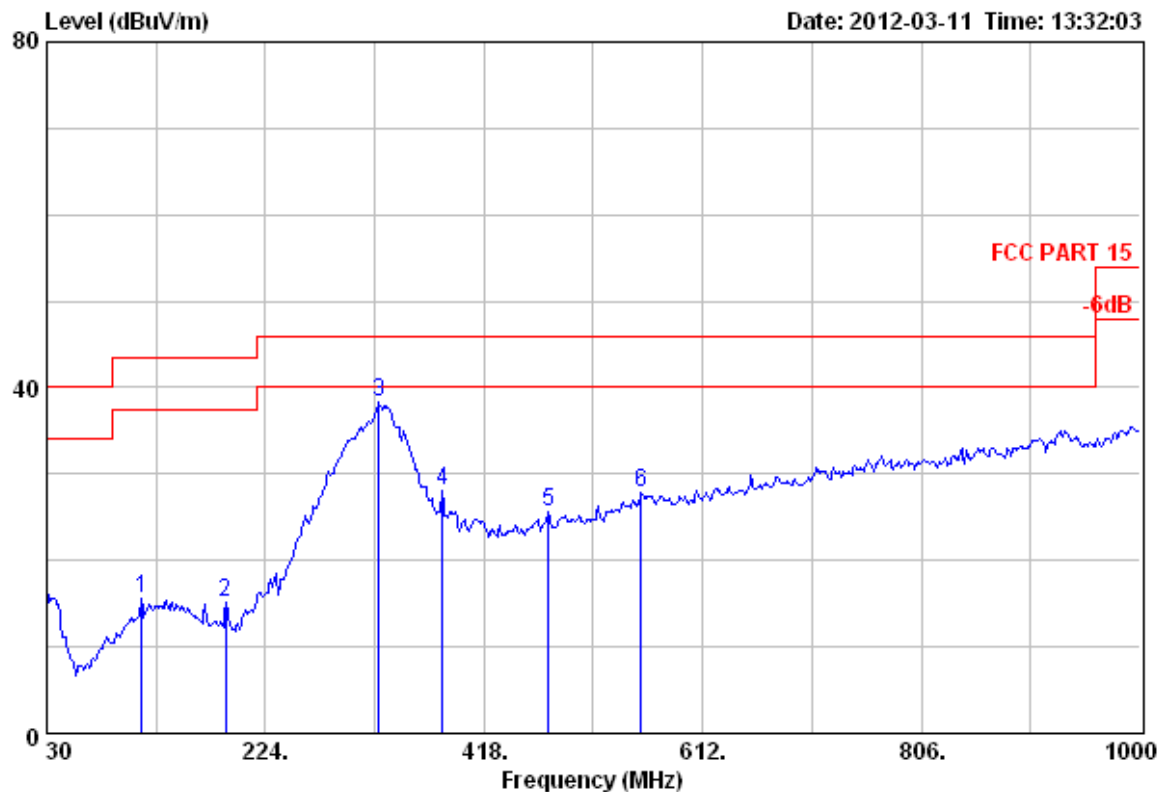
EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 20

File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:32:03



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15
 Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth speaker
 Power : DC 4.2V From Battery
 M/N : ST-69 BTS
 Test Mode : $\pi/4$ -DQPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark (dB)
1	114.39	10.85	3.26	1.45	15.56	43.50	27.94	QP
2	189.08	8.05	4.20	2.93	15.18	43.50	28.32	QP
3	324.88	13.71	5.43	19.11	38.25	46.00	7.75	QP
4	381.14	15.06	5.81	7.19	28.06	46.00	17.94	QP
5	475.23	17.33	6.61	1.63	25.57	46.00	20.43	QP
6	557.68	19.66	7.09	1.18	27.93	46.00	18.07	QP

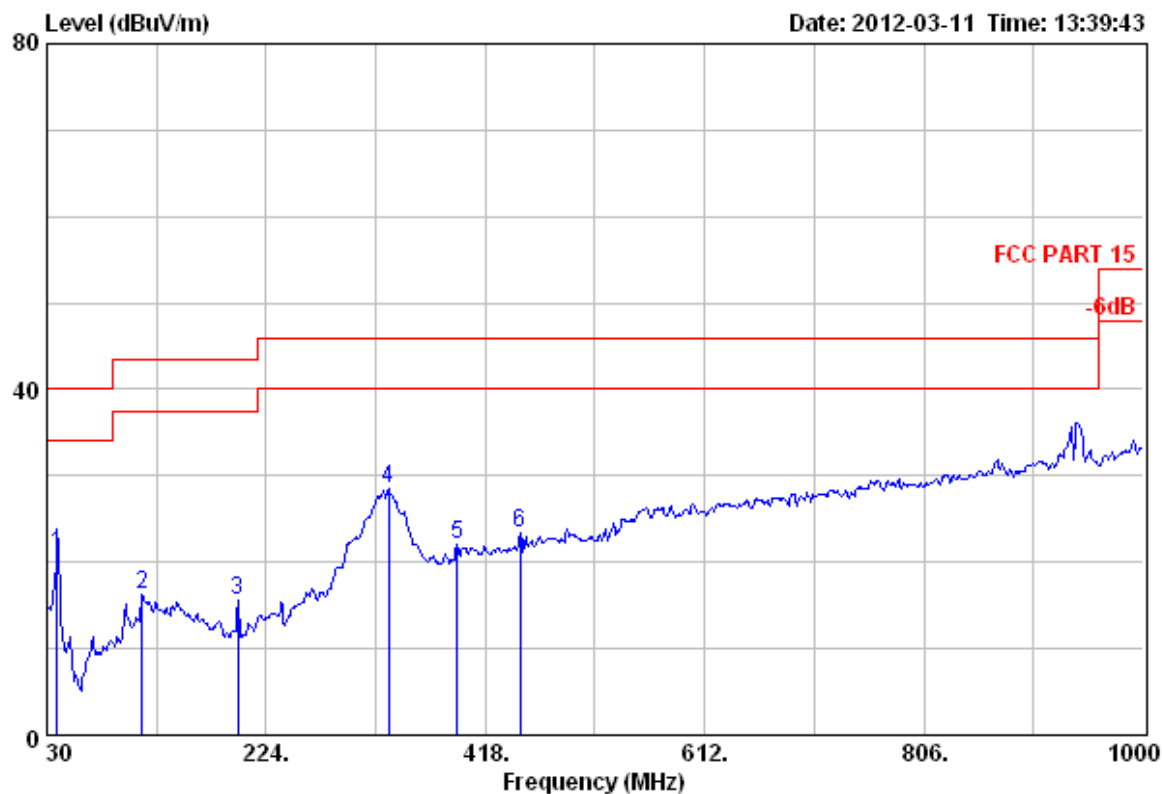
EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 21

File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:39:43



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15
 Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth speaker
 Power : DC 4.2V From Battery
 M/N : ST-69 BTS
 Test Mode : n/4-DQPSK TX 2480MHz

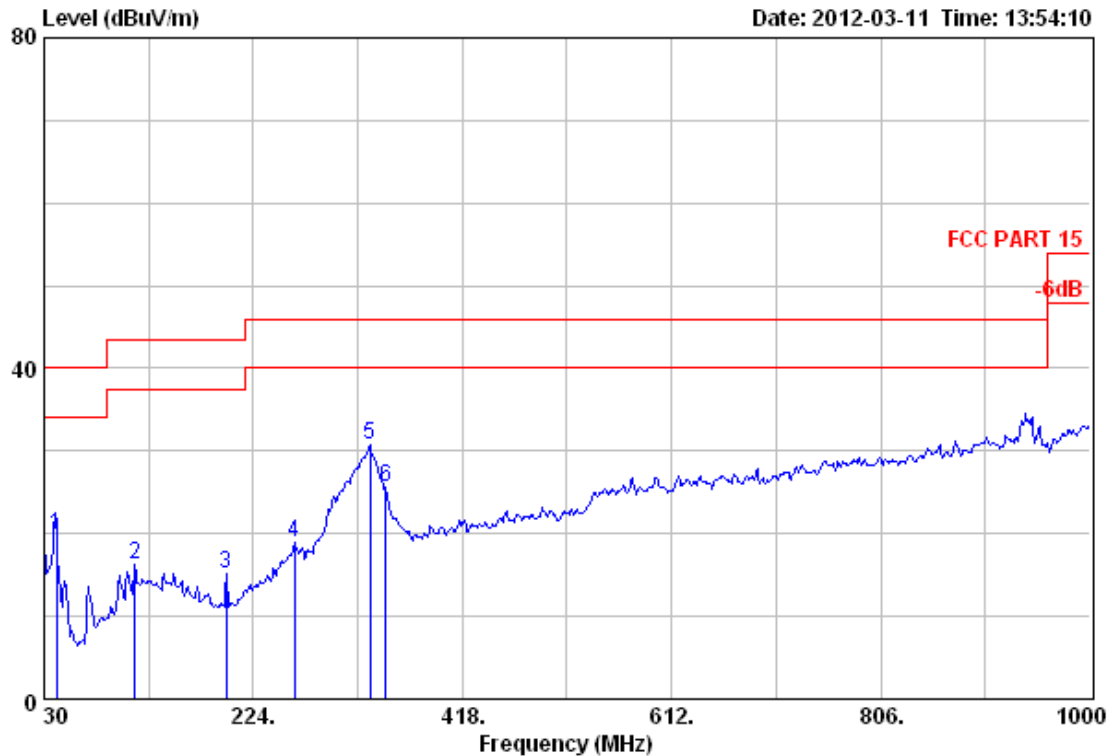
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission		Margin (dB)	Remark
					Level (dBUV/m)	Limits (dBUV/m)		
1	38.73	13.48	2.10	5.31	20.89	40.00	19.11	QP
2	114.39	10.85	3.26	2.27	16.38	43.50	27.12	QP
3	198.78	7.71	4.24	3.68	15.63	43.50	27.87	QP
4	332.64	13.93	5.52	9.02	28.47	46.00	17.53	QP
5	392.78	15.73	5.90	0.41	22.04	46.00	23.96	QP
6	449.04	16.45	6.36	0.61	23.42	46.00	22.58	QP

EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 28 File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:54:10



Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15
Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
Engineer : Tony
EUT : Bluetooth speaker
Power : DC 4.2V From Battery
M/N : ST-69 BTS
Test Mode : 8-DPSK TX 2402MHz

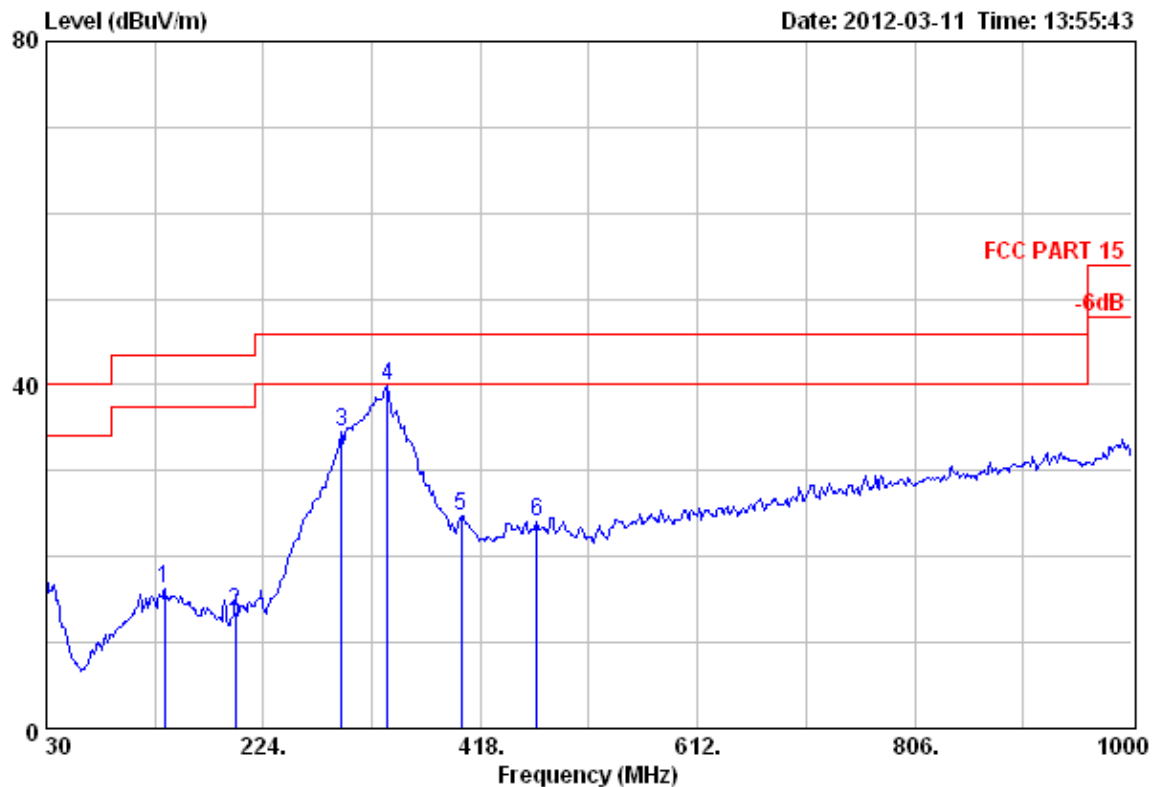
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission		Limits (dBUV/m)	Margin (dB)	Remark (dB)
				Level				
1	41.64	11.75	2.17	5.83	19.75	40.00	20.25	QP
2	114.39	10.85	3.26	2.10	16.21	43.50	27.29	QP
3	198.78	7.71	4.24	3.12	15.07	43.50	28.43	QP
4	261.83	12.96	4.95	0.98	18.89	46.00	27.11	QP
5	332.64	13.93	5.52	11.27	30.72	46.00	15.28	QP
6	347.19	14.38	5.67	5.54	25.59	46.00	20.41	QP

EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 29 File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:55:43



Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15
 Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth speaker
 Power : DC 4.2V From Battery
 M/N : ST-69 BTS
 Test Mode : 8-DPSK TX 2402MHz

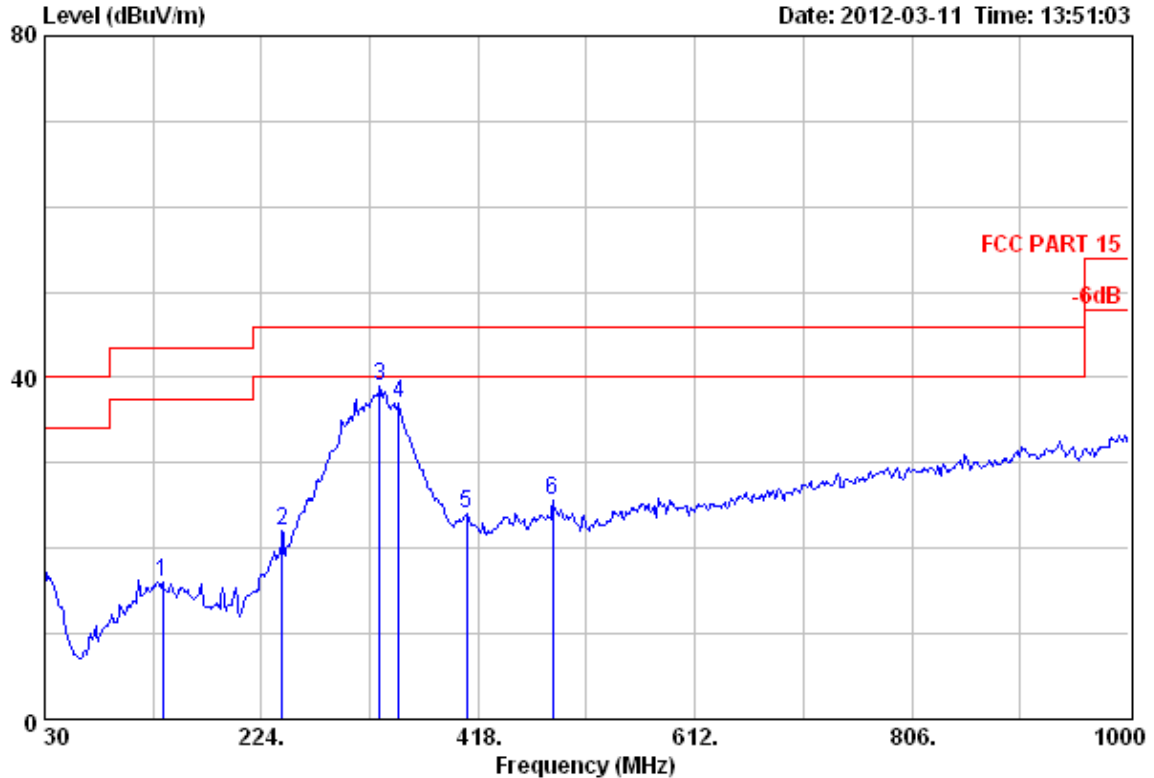
	Ant.	Cable	Emission					
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	
1	135.73	11.38	3.60	1.25	16.23	43.50	27.27	QP
2	198.78	7.71	4.24	1.66	13.61	43.50	29.89	QP
3	293.84	12.92	5.21	16.40	34.53	46.00	11.47	QP
4	334.58	13.99	5.52	20.27	39.78	46.00	6.22	QP
5	400.54	16.07	5.98	2.61	24.66	46.00	21.34	QP
6	468.44	17.14	6.54	0.47	24.15	46.00	21.85	QP

EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 26 File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:51:03



Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15
Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
Engineer : Tony
EUT : Bluetooth speaker
Power : DC 4.2V From Battery
M/N : ST-69 BTS
Test Mode : 8-DPSK TX 2441MHz

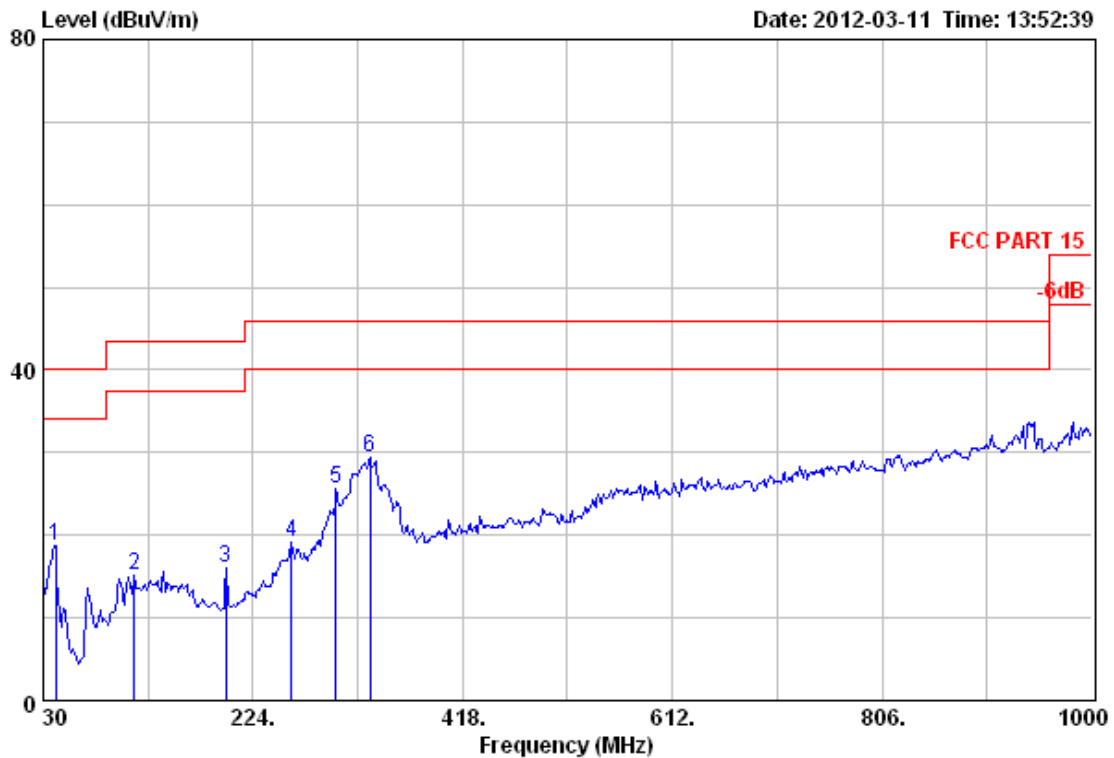
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission		Margin	Remark
				Level (dBUV/m)	Limits (dBUV/m)		
1	135.73	11.38	3.60	1.05	16.03	43.50	QP
2	242.43	10.64	4.72	6.68	22.04	46.00	QP
3	329.73	13.85	5.47	19.69	39.01	46.00	QP
4	347.19	14.38	5.67	16.99	37.04	46.00	QP
5	407.33	16.22	6.08	1.85	24.15	46.00	QP
6	484.93	17.63	6.67	1.41	25.71	46.00	QP

EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

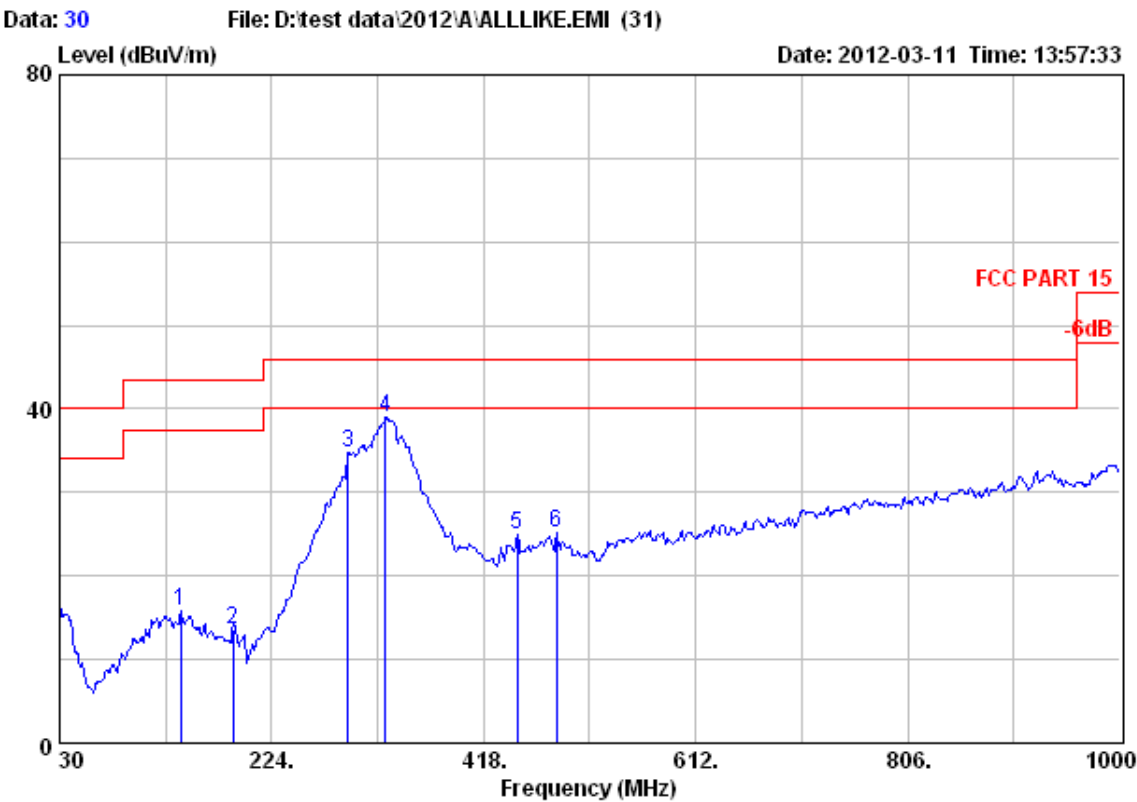
Data: 27 File: D:\test data\2012\A\ALLLIKE.EMI (31)

Date: 2012-03-11 Time: 13:52:39



Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15
 Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth speaker
 Power : DC 4.2V From Battery
 M/N : ST-69 BTS
 Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
					Level (dBuV/m)	Limits (dBuV/m)		
1	41.64	11.75	2.17	4.82	18.74	40.00	21.26	QP
2	114.39	10.85	3.26	0.95	15.06	43.50	28.44	QP
3	198.78	7.71	4.24	4.21	16.16	43.50	27.34	QP
4	259.89	12.97	4.93	1.34	19.24	46.00	26.76	QP
5	300.63	13.03	5.24	7.35	25.62	46.00	20.38	QP
6	332.64	13.93	5.52	10.00	29.45	46.00	16.55	QP



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Bluetooth speaker
Power : DC 4.2V From Battery
M/N : ST-69 BTS
Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission		Margin (dB)	Reamark
					Level (dBUV/m)	Limits (dBUV/m)		
1	140.58	11.40	3.66	0.73	15.79	43.50	27.71	QP
2	189.08	8.05	4.20	1.28	13.53	43.50	29.97	QP
3	293.84	12.92	5.21	16.74	34.87	46.00	11.13	QP
4	327.79	13.79	5.45	19.75	38.99	46.00	7.01	QP
5	449.04	16.45	6.36	2.10	24.91	46.00	21.09	QP
6	484.93	17.63	6.67	0.82	25.12	46.00	20.88	QP

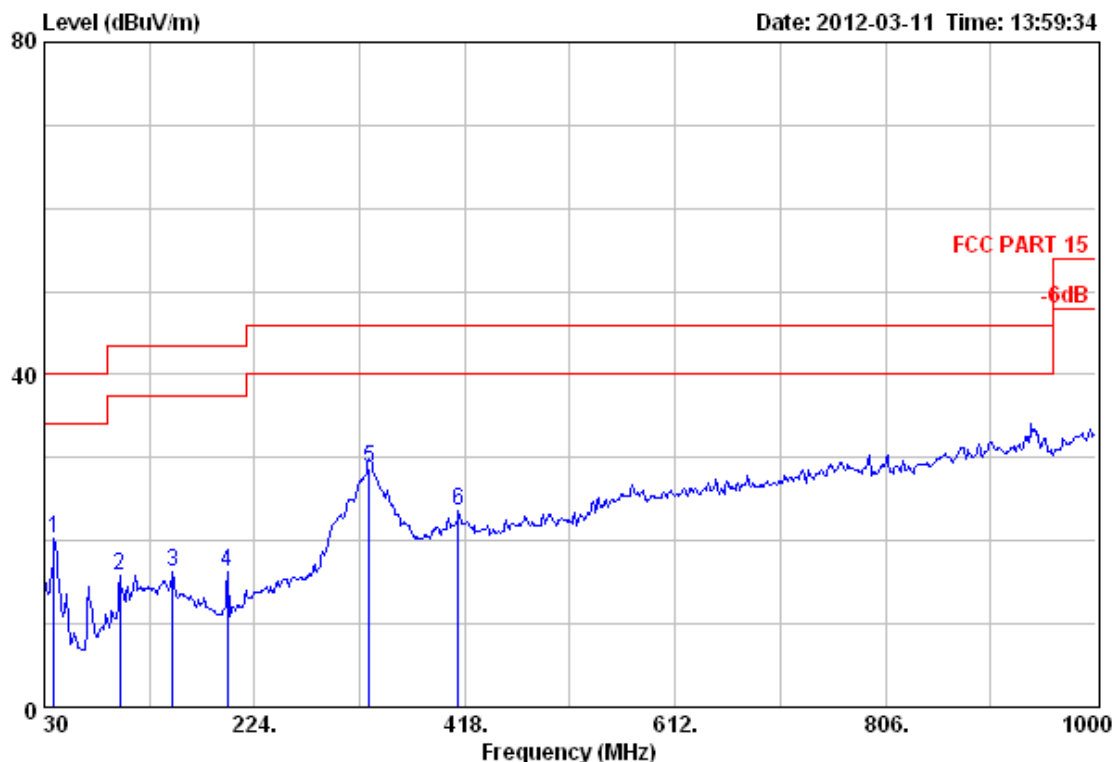
EST Technology

San Tun Management Zone, Houjie Town,
Dongguan City, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 31

File: D:\test data\2012\A\ALLLIKE.EMI (31)

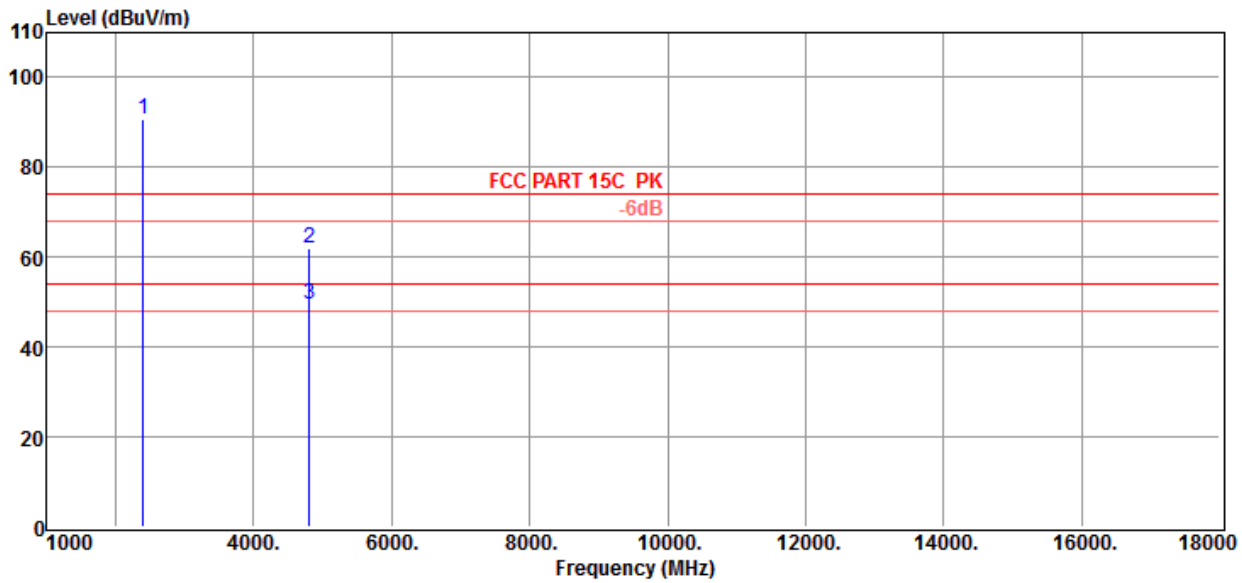
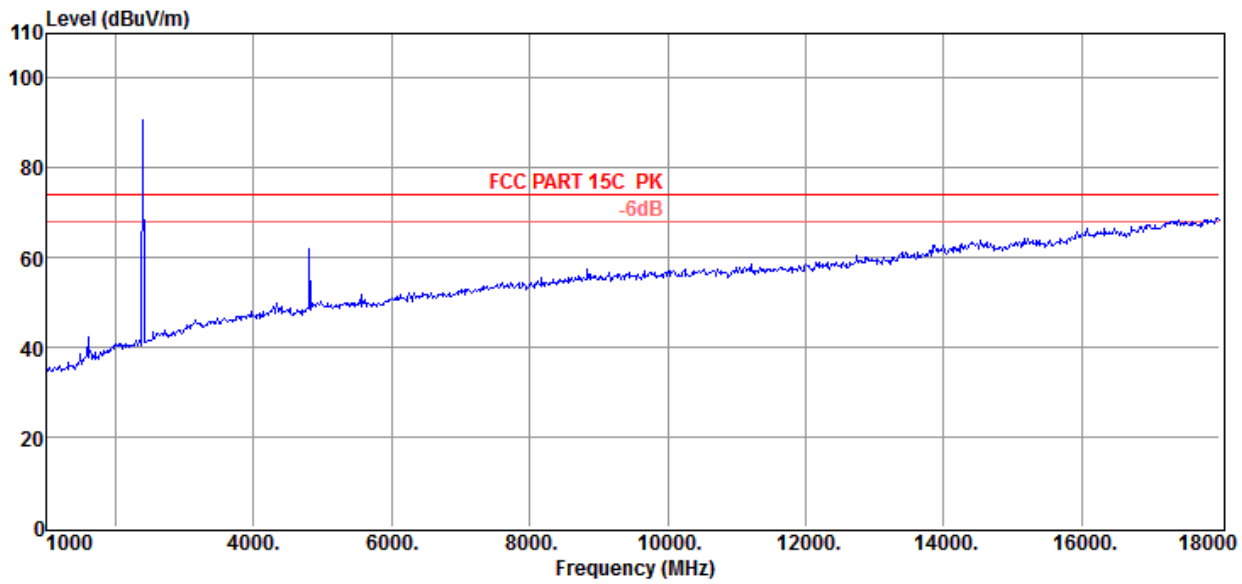
Date: 2012-03-11 Time: 13:59:34



Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15
 Env. / Ins. : Temp:25.6'; Humi:56%; Press:101.52kPa
 Engineer : Tony
 EUT : Bluetooth speaker
 Power : DC 4.2V From Battery
 M/N : ST-69 BTS
 Test Mode : 8-DPSK TX 2480MHz

	Ant.	Cable	Emission					
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reamark (dB)	
1	38.73	13.48	2.10	4.75	20.33	40.00	19.67	QP
2	99.84	9.45	3.04	3.36	15.85	43.50	27.65	QP
3	148.34	11.00	3.76	1.50	16.26	43.50	27.24	QP
4	198.78	7.71	4.24	4.36	16.31	43.50	27.19	QP
5	329.73	13.85	5.47	9.51	28.83	46.00	17.17	QP
6	412.18	16.29	6.13	1.10	23.52	46.00	22.48	QP

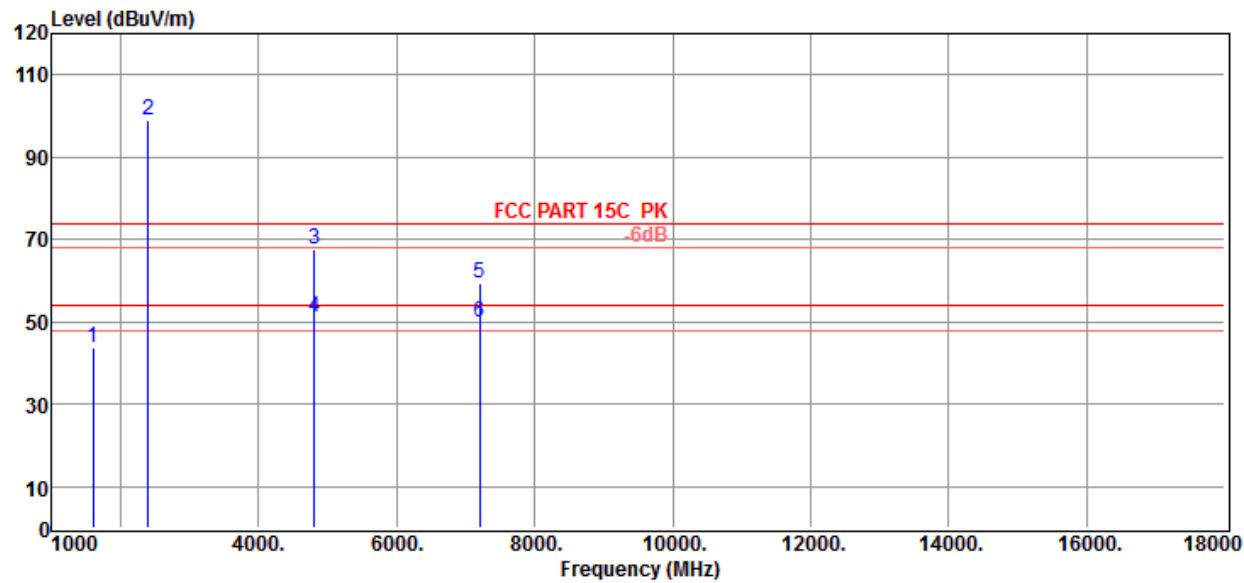
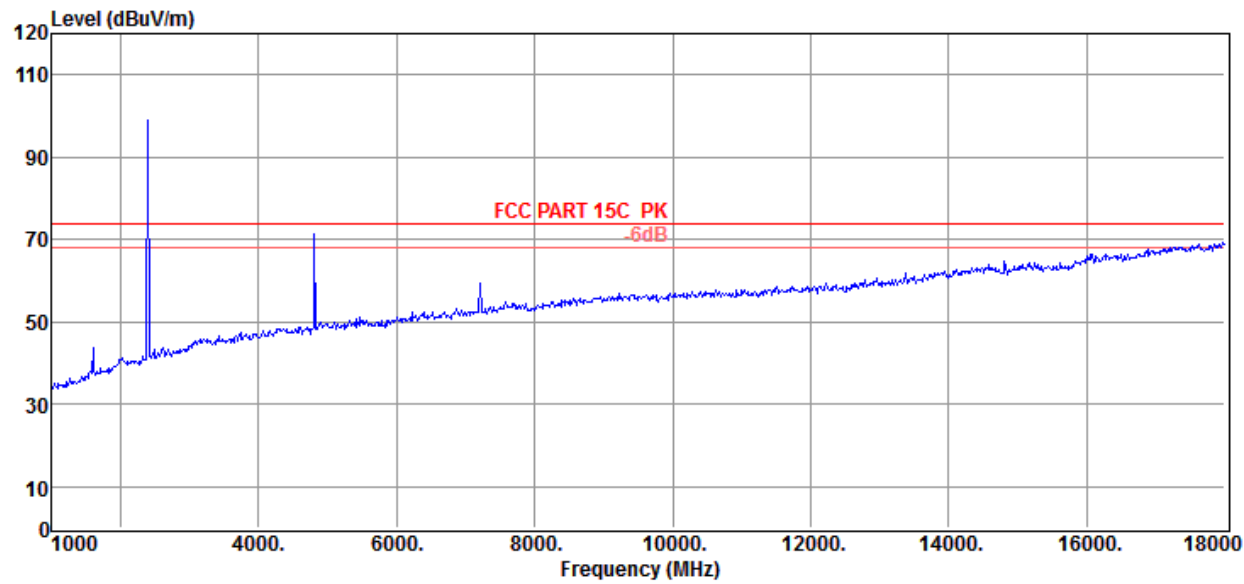
1000 MHz – 18000MHz
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2402.00	98.78	28.93	43.48	6.47	90.70	74.00	16.70	Peak	VERTICAL
2	4804.00	62.65	34.01	44.06	9.32	61.92	74.00	-12.08	Peak	VERTICAL
3	4804.00	50.15	34.01	44.06	9.32	49.42	54.00	-4.58	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

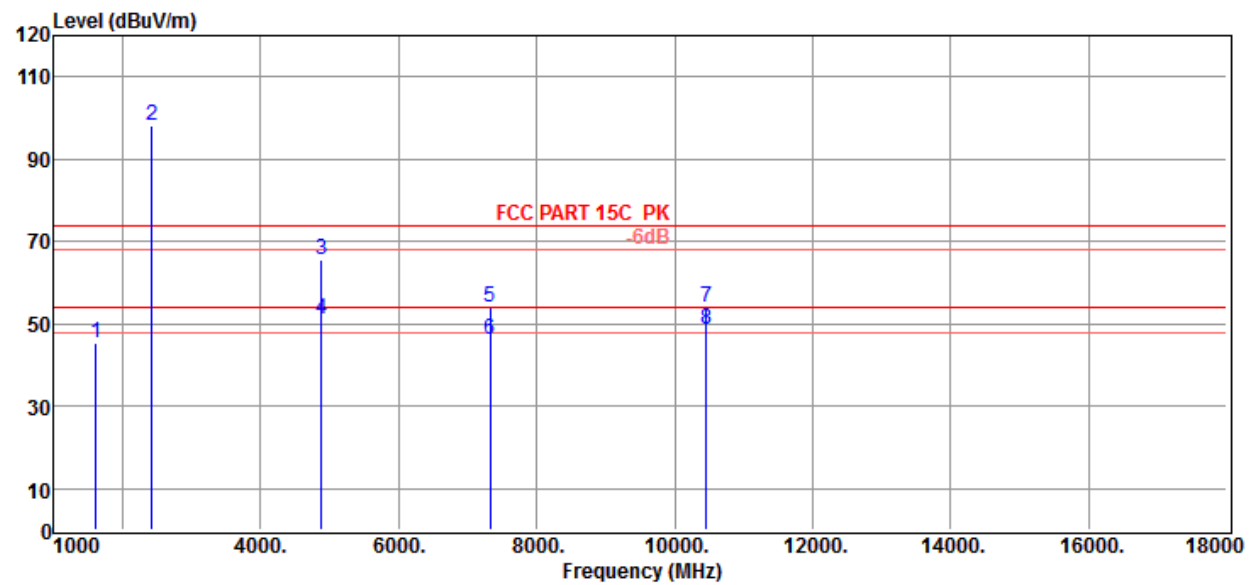
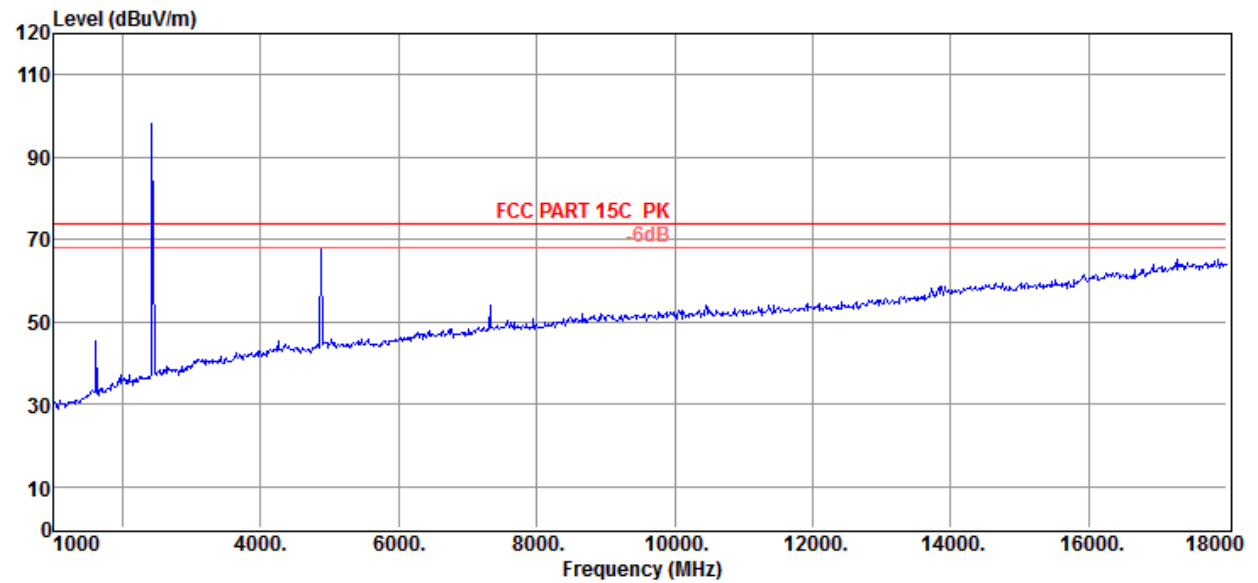
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	55.49	26.57	43.34	5.18	43.90	74.00	-30.10	Peak	HORIZONTAL
2	2402.00	107.17	28.93	43.48	6.47	99.09	74.00	25.09	Peak	HORIZONTAL
3	4804.00	68.27	34.01	44.06	9.32	67.54	74.00	-6.46	Peak	HORIZONTAL
4	4804.00	51.70	34.01	44.06	9.32	50.97	54.00	-3.03	Average	HORIZONTAL
5	7205.00	55.77	35.72	43.62	11.48	59.35	74.00	-14.65	Peak	HORIZONTAL
6	7205.00	46.23	35.72	43.62	11.48	49.81	54.00	-4.19	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

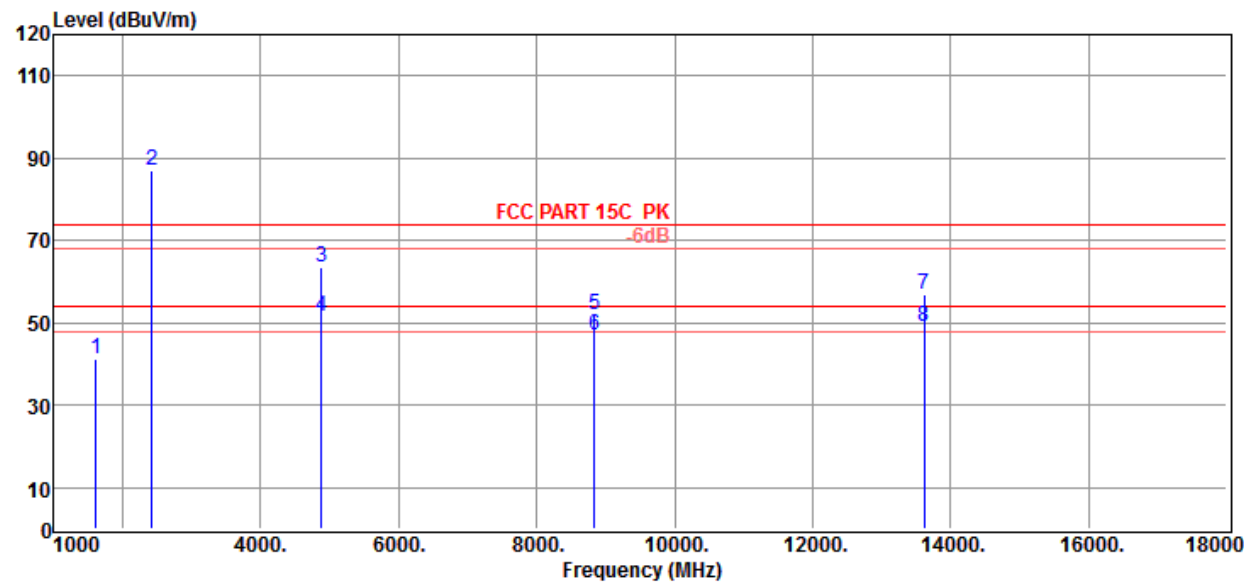
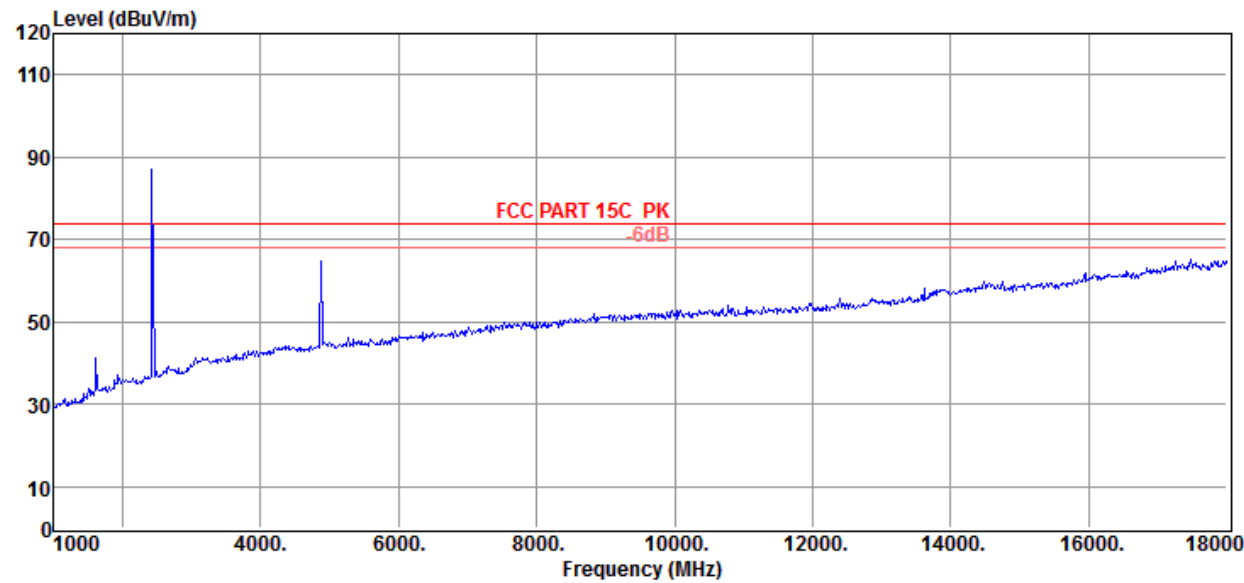
GFSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	56.68	26.67	43.34	5.21	45.22	74.00	-28.78	Peak	HORIZONTAL
2	2441.00	106.19	29.03	43.49	6.51	98.24	74.00	24.24	Peak	HORIZONTAL
3	4882.00	65.89	34.29	44.04	9.41	65.55	74.00	-8.45	Peak	HORIZONTAL
4	4882.00	51.31	34.29	44.04	9.41	50.97	54.00	-3.03	Average	HORIZONTAL
5	7324.00	50.13	35.63	43.32	11.62	54.06	74.00	-19.94	Peak	HORIZONTAL
6	7324.00	42.35	35.63	43.32	11.62	46.28	54.00	-7.72	Average	HORIZONTAL
7	10452.00	45.91	37.17	43.19	14.27	54.16	74.00	-19.84	Peak	HORIZONTAL
8	10452.00	40.36	37.17	43.19	14.27	48.61	54.00	-5.39	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

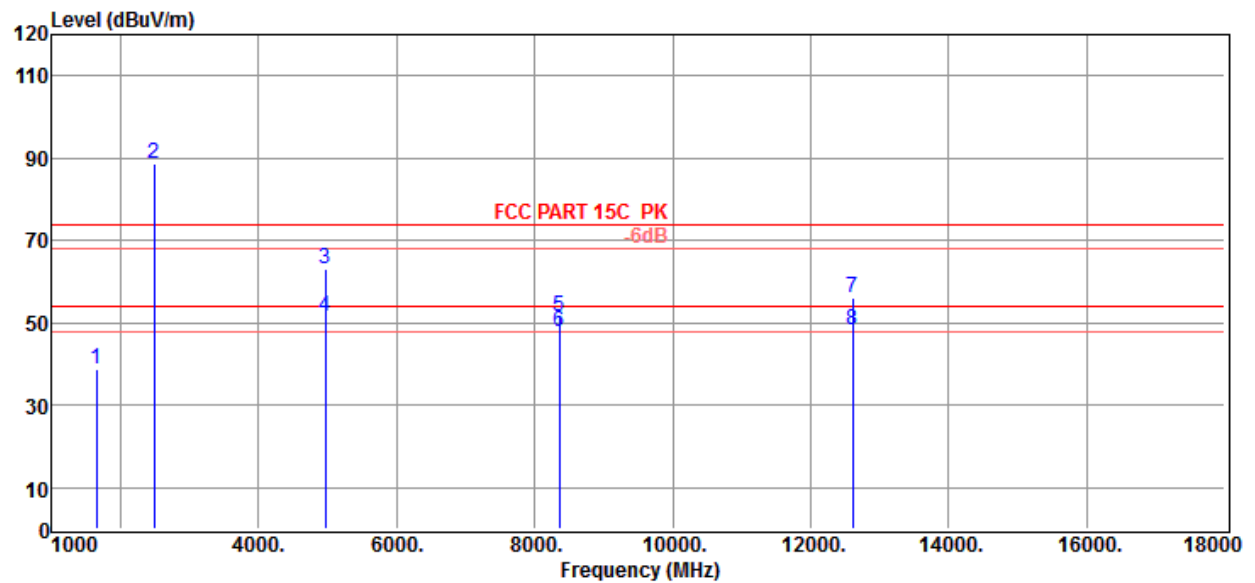
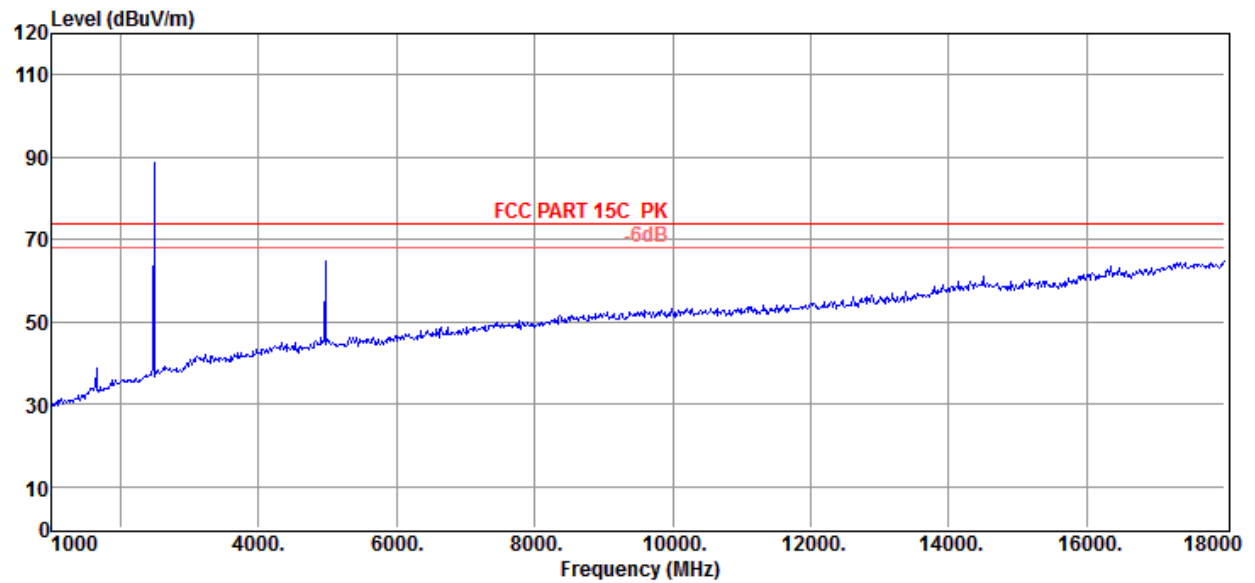
GFSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	52.57	26.67	43.34	5.21	41.11	74.00	-32.89	Peak	VERTICAL
2	2441.00	95.09	29.03	43.49	6.51	87.14	74.00	13.14	Peak	VERTICAL
3	4882.00	63.96	34.29	44.04	9.41	63.62	74.00	-10.38	Peak	VERTICAL
4	4882.00	51.68	34.29	44.04	9.41	51.34	54.00	-2.66	Average	VERTICAL
5	8837.00	45.45	36.78	43.40	13.20	52.03	74.00	-21.97	Peak	VERTICAL
6	8837.00	40.37	36.78	43.40	13.20	46.95	54.00	-7.05	Average	VERTICAL
7	13614.00	43.49	39.15	41.96	16.29	56.97	74.00	-17.03	Peak	VERTICAL
8	13614.00	35.69	39.15	41.96	16.29	49.17	54.00	-4.83	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

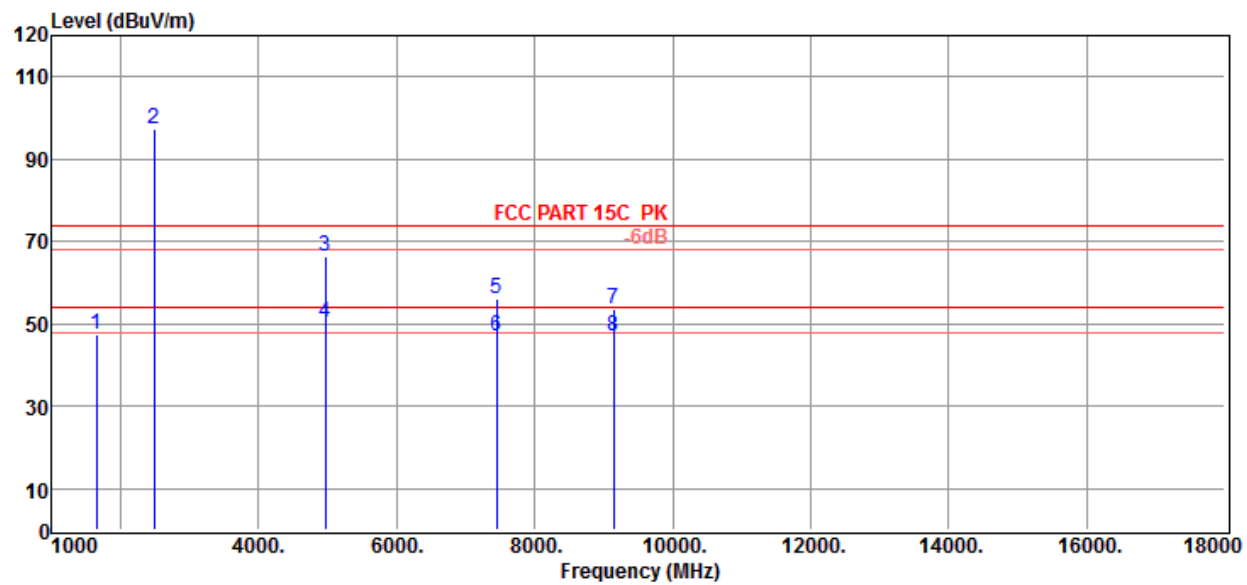
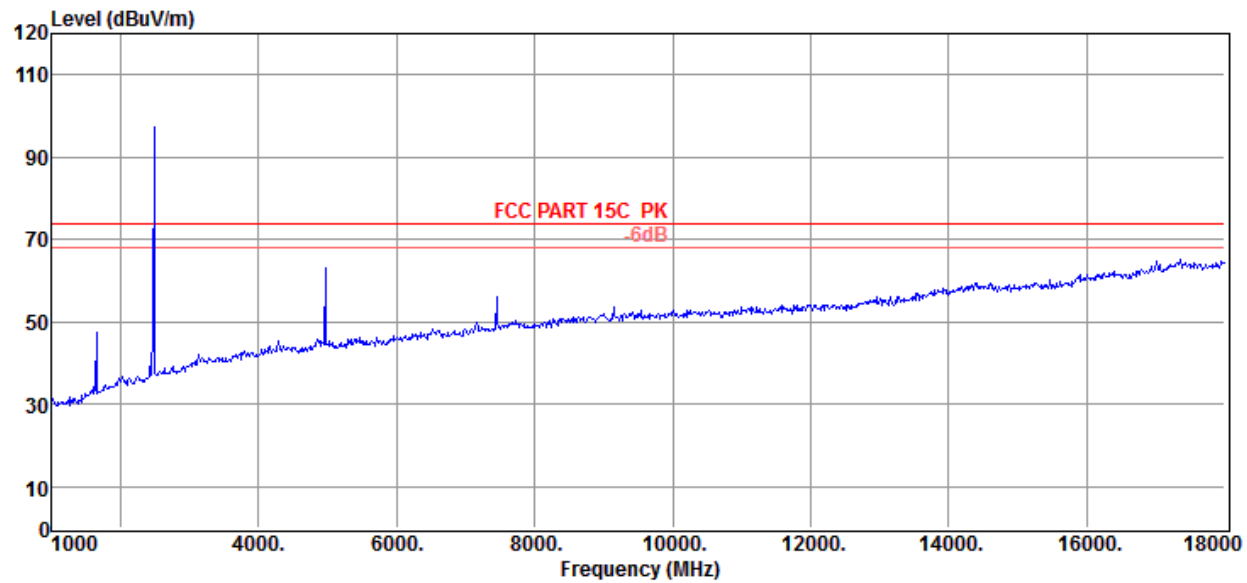
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	50.21	26.61	43.35	5.24	38.71	74.00	-35.29	Peak	VERTICAL
2	2480.00	96.55	29.18	43.50	6.57	88.80	74.00	14.80	Peak	VERTICAL
3	4960.00	63.10	34.34	44.01	9.48	62.91	74.00	-11.09	Peak	VERTICAL
4	4960.00	51.69	34.34	44.01	9.48	51.50	54.00	-2.50	Average	VERTICAL
5	8361.00	46.01	36.41	43.45	12.71	51.68	74.00	-22.32	Peak	VERTICAL
6	8361.00	42.15	36.41	43.45	12.71	47.82	54.00	-6.18	Average	VERTICAL
7	12611.00	45.13	37.90	42.51	15.67	56.19	74.00	-17.81	Peak	VERTICAL
8	12611.00	37.36	37.90	42.51	15.67	48.42	54.00	-5.58	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

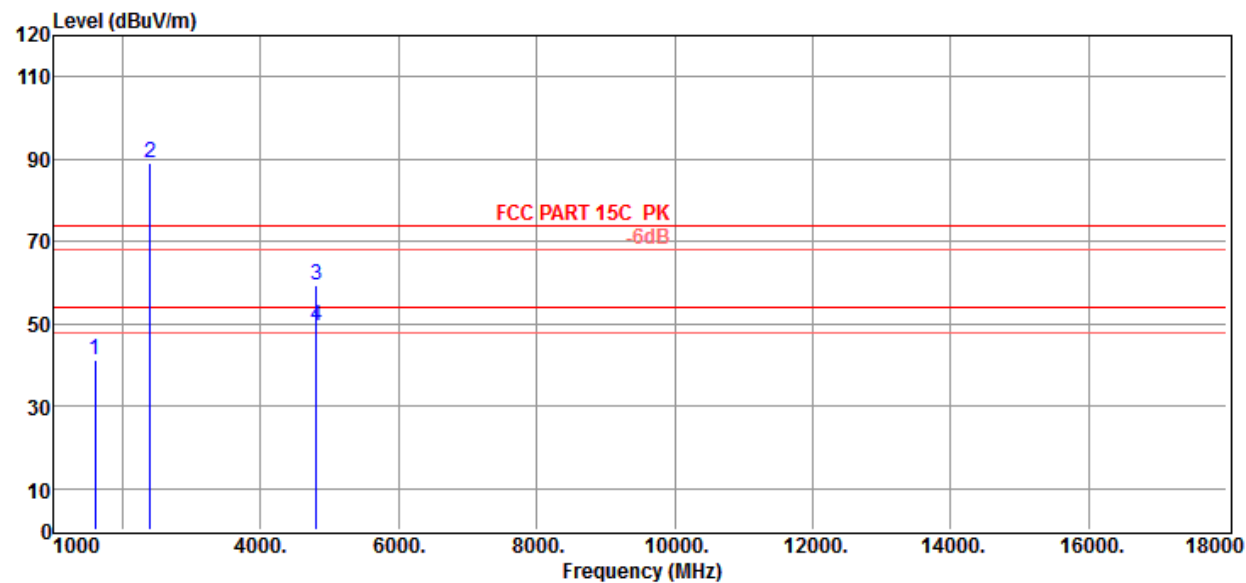
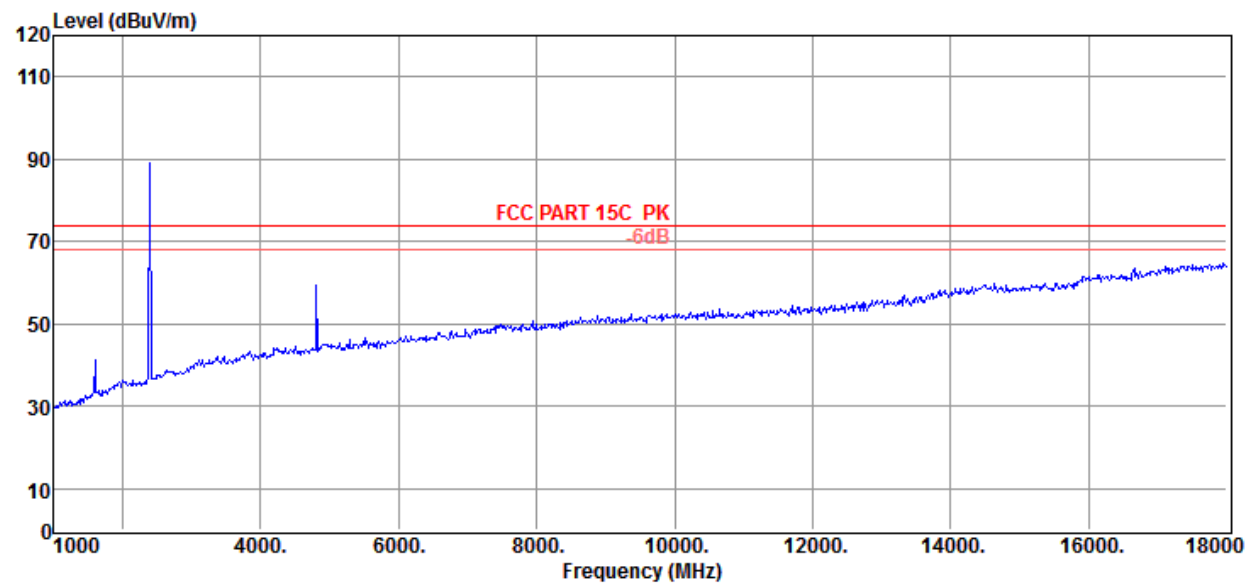
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	58.90	26.61	43.35	5.24	47.40	74.00	-26.60	Peak	HORIZONTAL
2	2480.00	105.08	29.18	43.50	6.57	97.33	74.00	23.33	Peak	HORIZONTAL
3	4960.00	66.40	34.34	44.01	9.48	66.21	74.00	-7.79	Peak	HORIZONTAL
4	4960.00	50.59	34.34	44.01	9.48	50.40	54.00	-3.60	Average	HORIZONTAL
5	7443.00	51.67	35.84	43.07	11.70	56.14	74.00	-17.86	Peak	HORIZONTAL
6	7443.00	42.36	35.84	43.07	11.70	46.83	54.00	-7.17	Average	HORIZONTAL
7	9143.00	46.89	36.79	43.47	13.43	53.64	74.00	-20.36	Peak	HORIZONTAL
8	9143.00	40.35	36.79	43.47	13.43	47.10	54.00	-6.90	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

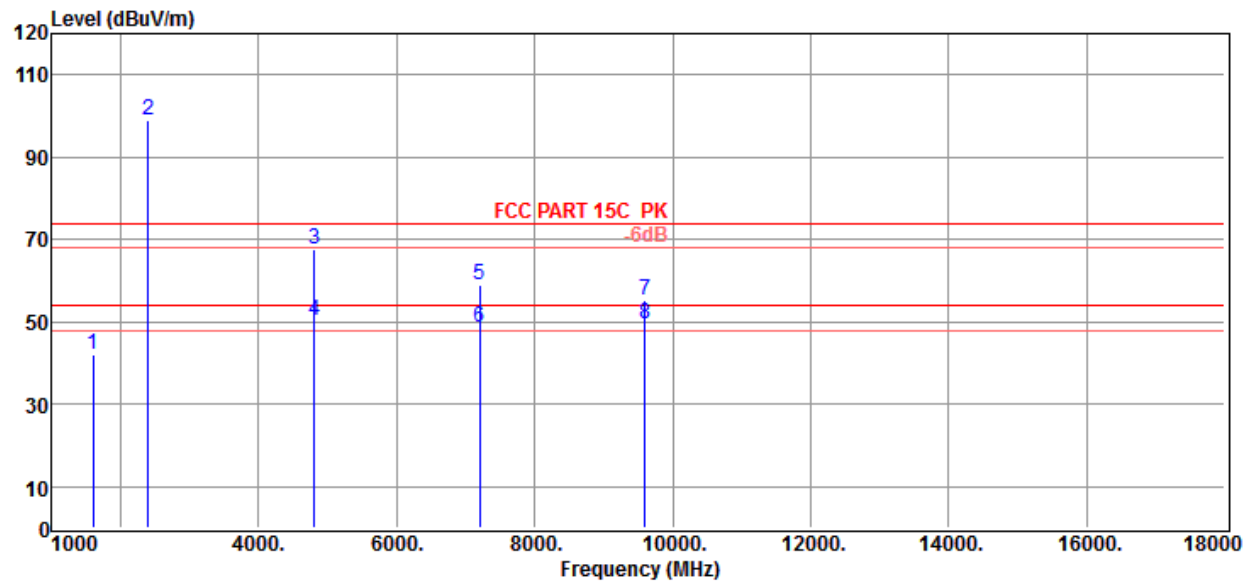
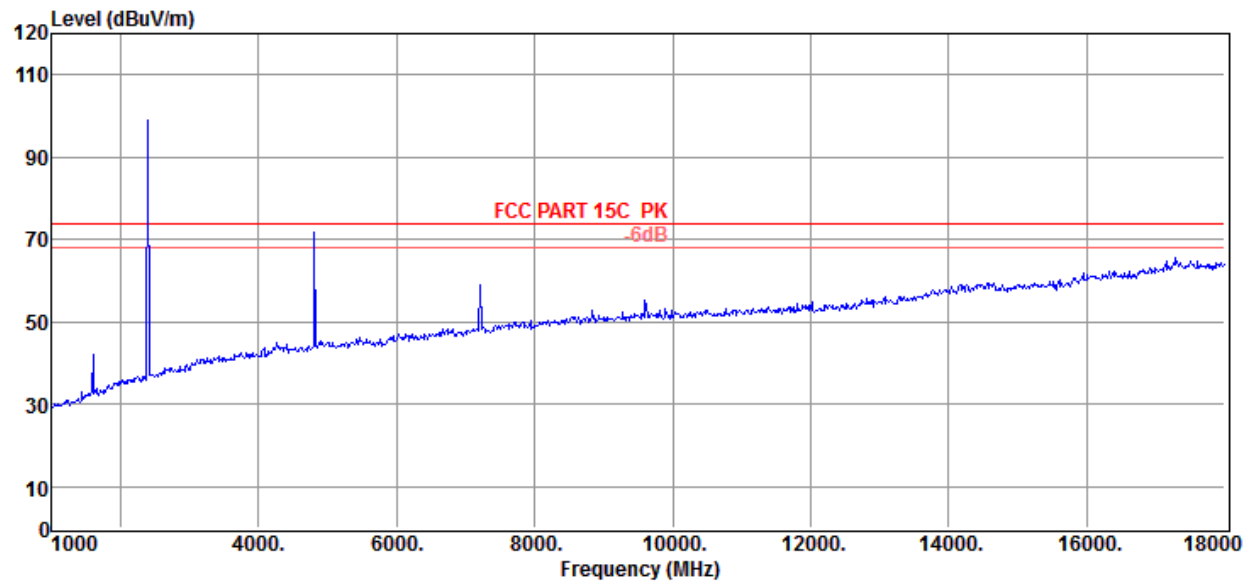
$\pi/4$ -DQPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	52.66	26.57	43.34	5.18	41.07	74.00	-32.93	Peak	VERTICAL
2	2402.00	96.98	28.93	43.48	6.47	88.90	74.00	14.90	Peak	VERTICAL
3	4804.00	59.93	34.01	44.06	9.32	59.20	74.00	-14.80	Peak	VERTICAL
4	4804.00	50.37	34.01	44.06	9.32	49.64	54.00	-4.36	Average	VERTICAL

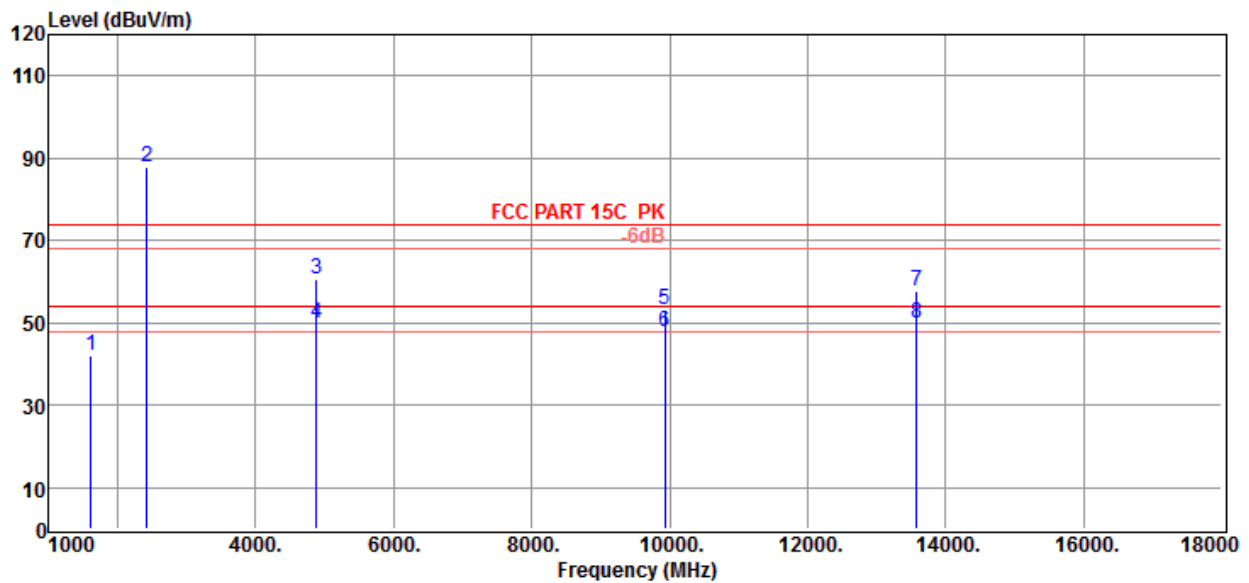
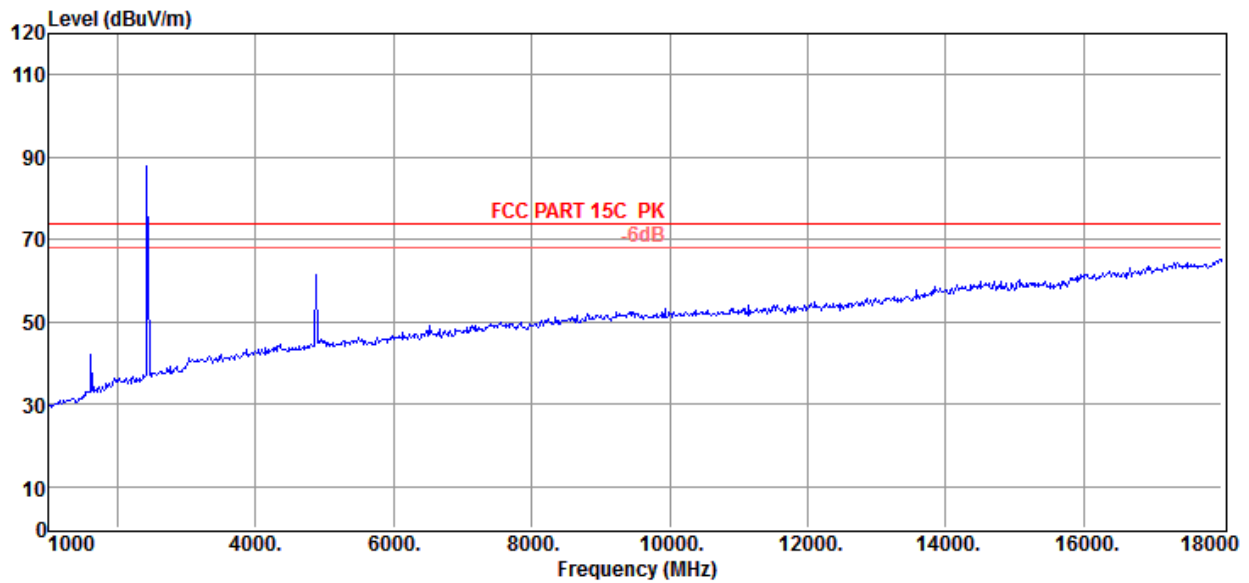
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

$\pi/4$ -DQPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	53.48	26.57	43.34	5.18	41.89	74.00	-32.11	Peak	HORIZONTAL
2	2402.00	106.99	28.93	43.48	6.47	98.91	74.00	24.91	Peak	HORIZONTAL
3	4804.00	68.29	34.01	44.06	9.32	67.56	74.00	-6.44	Peak	HORIZONTAL
4	4804.00	51.24	34.01	44.06	9.32	50.51	54.00	-3.49	Average	HORIZONTAL
5	7205.00	55.38	35.72	43.62	11.48	58.96	74.00	-15.04	Peak	HORIZONTAL
6	7205.00	45.15	35.72	43.62	11.48	48.73	54.00	-5.27	Average	HORIZONTAL
7	9602.00	48.10	36.96	43.59	13.78	55.25	74.00	-18.75	Peak	HORIZONTAL
8	9602.00	42.36	36.96	43.59	13.78	49.51	54.00	-4.49	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

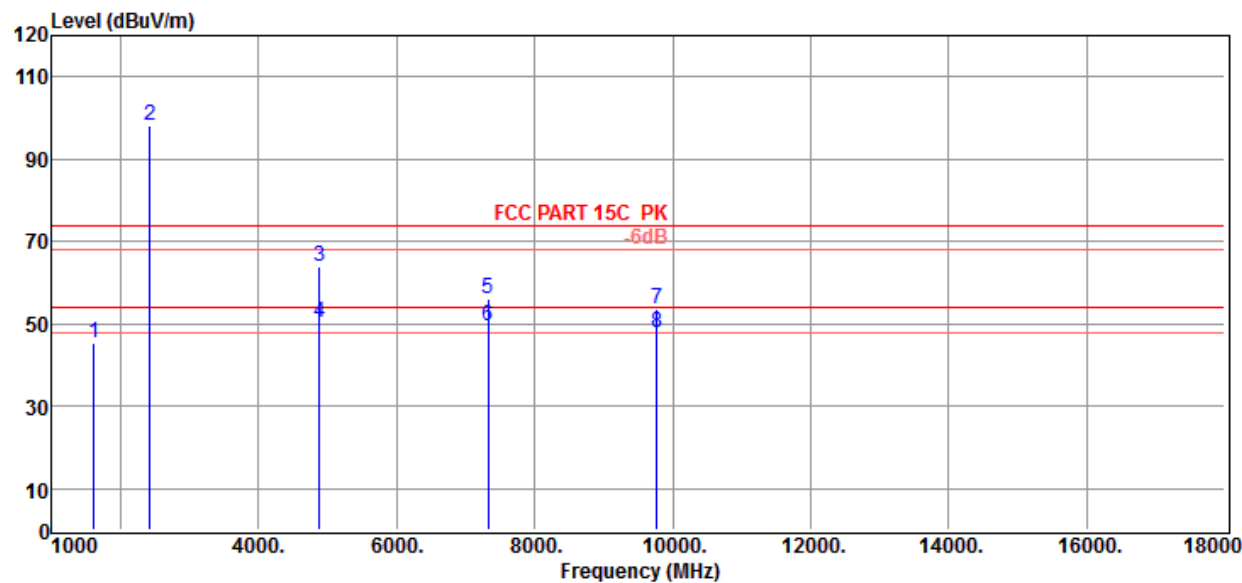
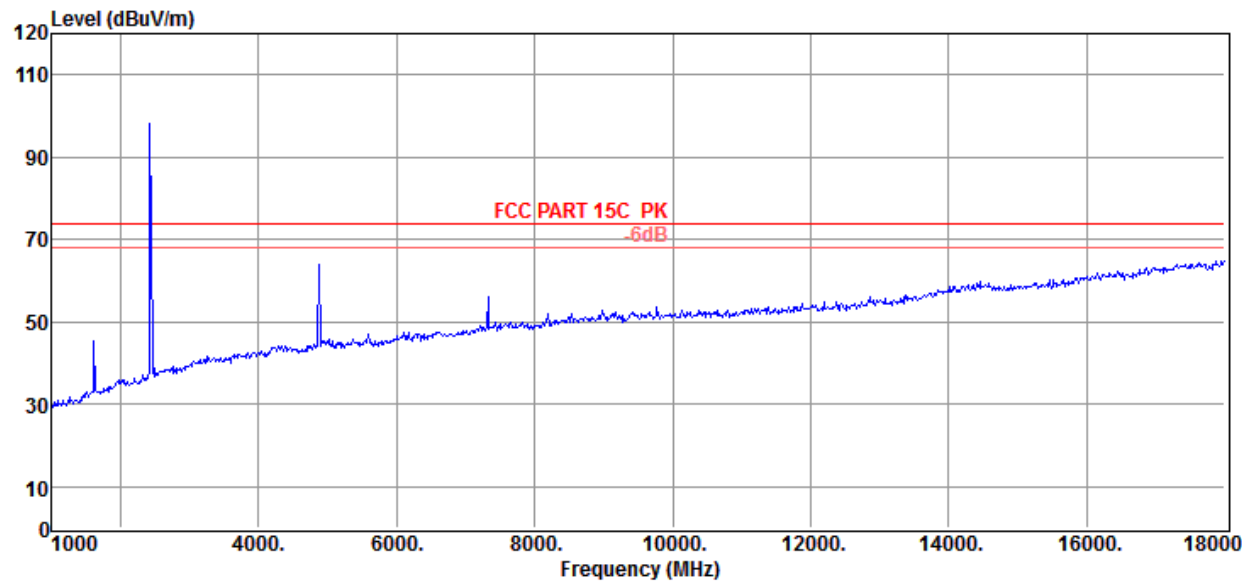
$\pi/4$ -DQPSK TX 2441MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	53.37	26.67	43.34	5.21	41.91	74.00	-32.09	Peak	VERTICAL
2	2441.00	95.73	29.03	43.49	6.51	87.78	74.00	13.78	Peak	VERTICAL
3	4882.00	60.95	34.29	44.04	9.41	60.61	74.00	-13.39	Peak	VERTICAL
4	4882.00	50.35	34.29	44.04	9.41	50.01	54.00	-3.99	Average	VERTICAL
5	9925.00	45.36	37.12	43.46	13.98	53.00	74.00	-21.00	Peak	VERTICAL
6	9925.00	40.35	37.12	43.46	13.98	47.99	54.00	-6.01	Average	VERTICAL
7	13580.00	44.52	39.07	42.00	16.26	57.85	74.00	-16.15	Peak	VERTICAL
8	13580.00	36.70	39.07	42.00	16.26	50.03	54.00	-3.97	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

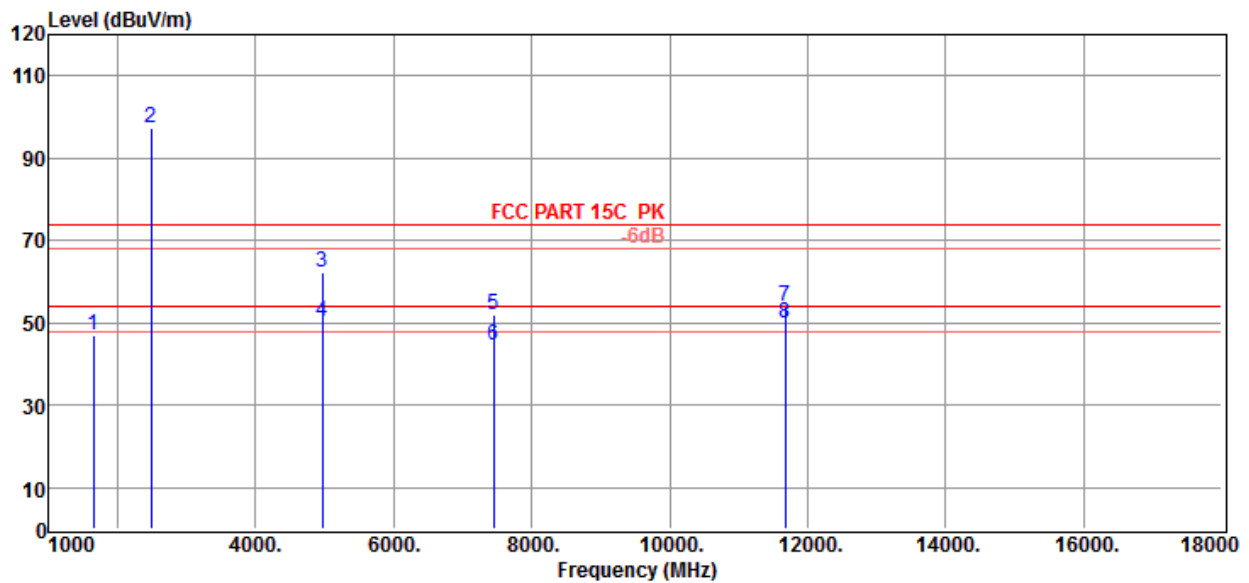
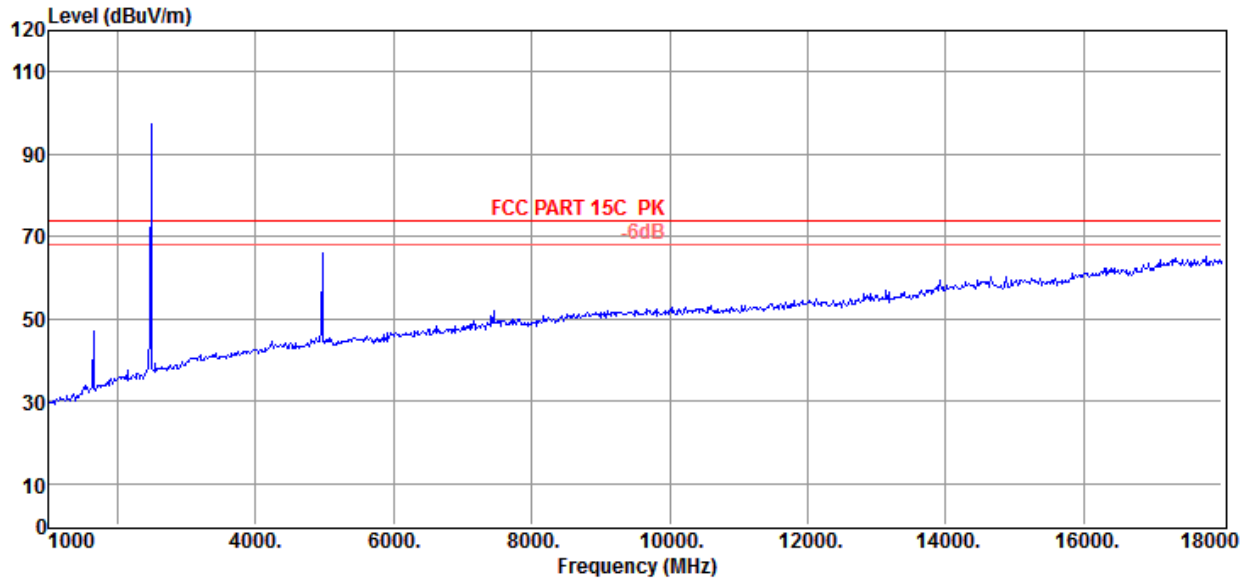
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

$\pi/4$ -DQPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dB μ V)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	56.80	26.67	43.34	5.21	45.34	74.00	-28.66	Peak	HORIZONTAL
2	2441.00	106.24	29.03	43.49	6.51	98.29	74.00	24.29	Peak	HORIZONTAL
3	4882.00	64.35	34.29	44.04	9.41	64.01	74.00	-9.99	Peak	HORIZONTAL
4	4882.00	50.68	34.29	44.04	9.41	50.34	54.00	-3.66	Average	HORIZONTAL
5	7324.00	52.18	35.63	43.32	11.62	56.11	74.00	-17.89	Peak	HORIZONTAL
6	7324.00	45.36	35.63	43.32	11.62	49.29	54.00	-4.71	Average	HORIZONTAL
7	9772.00	46.27	37.06	43.53	13.89	53.69	74.00	-20.31	Peak	HORIZONTAL
8	9772.00	40.35	37.06	43.53	13.89	47.77	54.00	-6.23	Average	HORIZONTAL

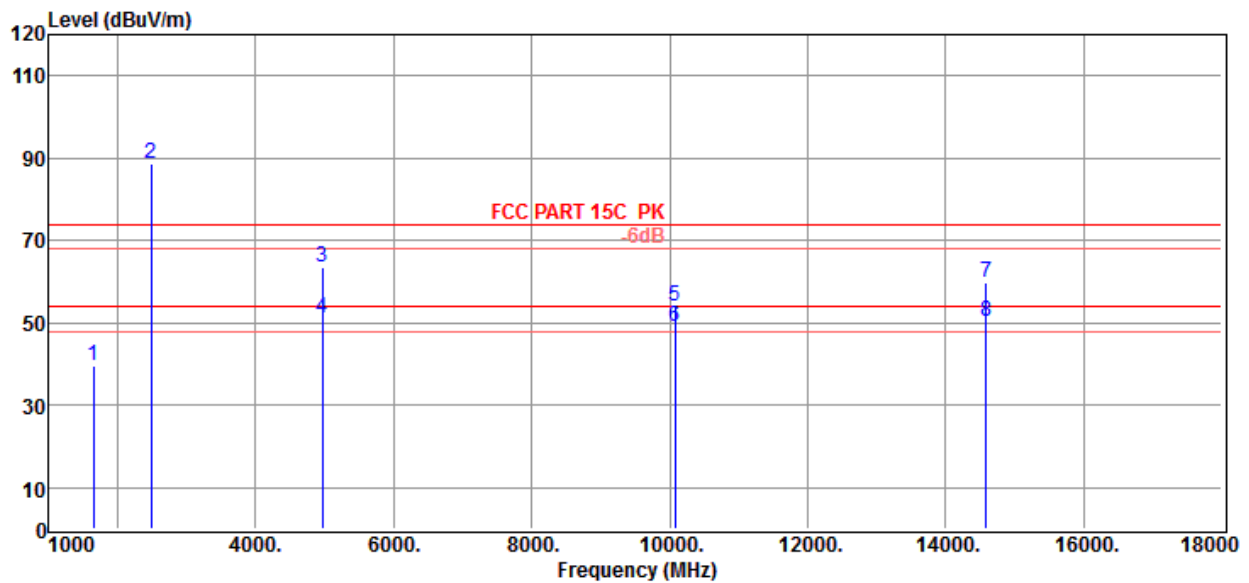
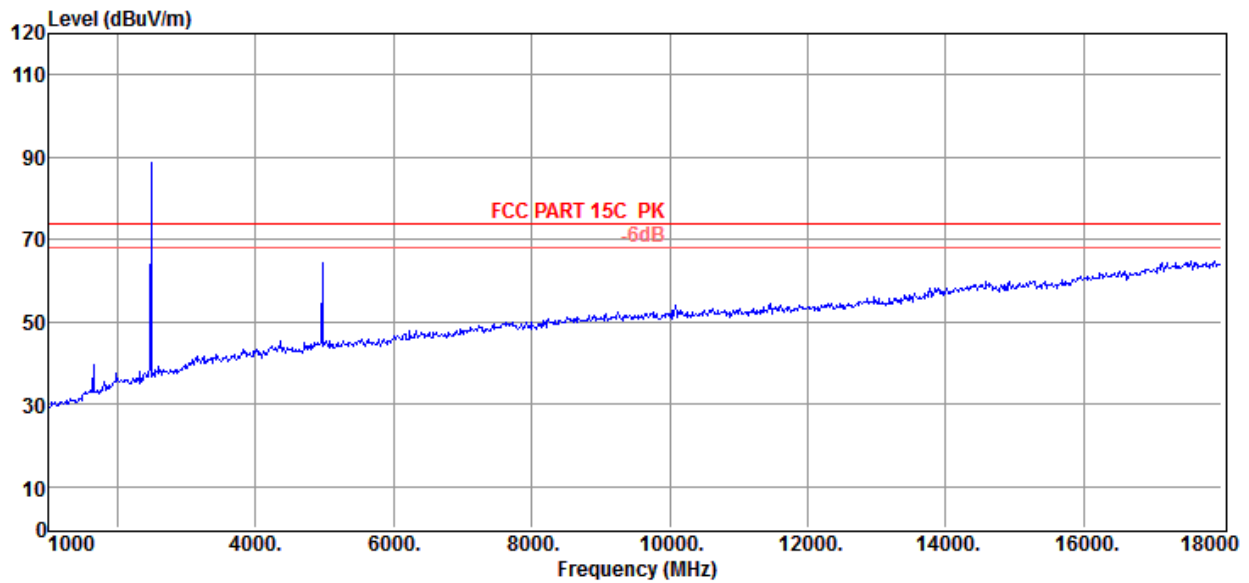
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

$\pi/4$ -DQPSK TX 2480MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	58.69	26.61	43.35	5.24	47.19	74.00	-26.81	Peak	HORIZONTAL
2	2480.00	104.99	29.18	43.50	6.57	97.24	74.00	23.24	Peak	HORIZONTAL
3	4960.00	62.29	34.34	44.01	9.48	62.10	74.00	-11.90	Peak	HORIZONTAL
4	4960.00	50.36	34.34	44.01	9.48	50.17	54.00	-3.83	Average	HORIZONTAL
5	7443.00	47.37	35.84	43.07	11.70	51.84	74.00	-22.16	Peak	HORIZONTAL
6	7443.00	40.25	35.84	43.07	11.70	44.72	54.00	-9.28	Average	HORIZONTAL
7	11676.00	44.55	37.54	43.04	15.05	54.10	74.00	-19.90	Peak	HORIZONTAL
8	11676.00	40.37	37.54	43.04	15.05	49.92	54.00	-4.08	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

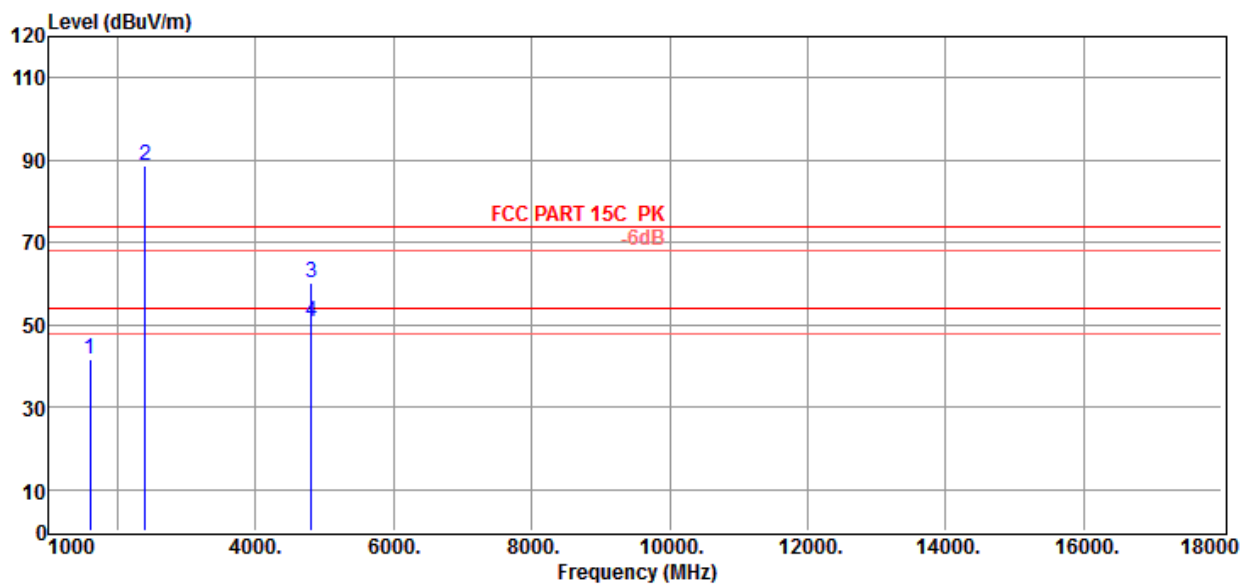
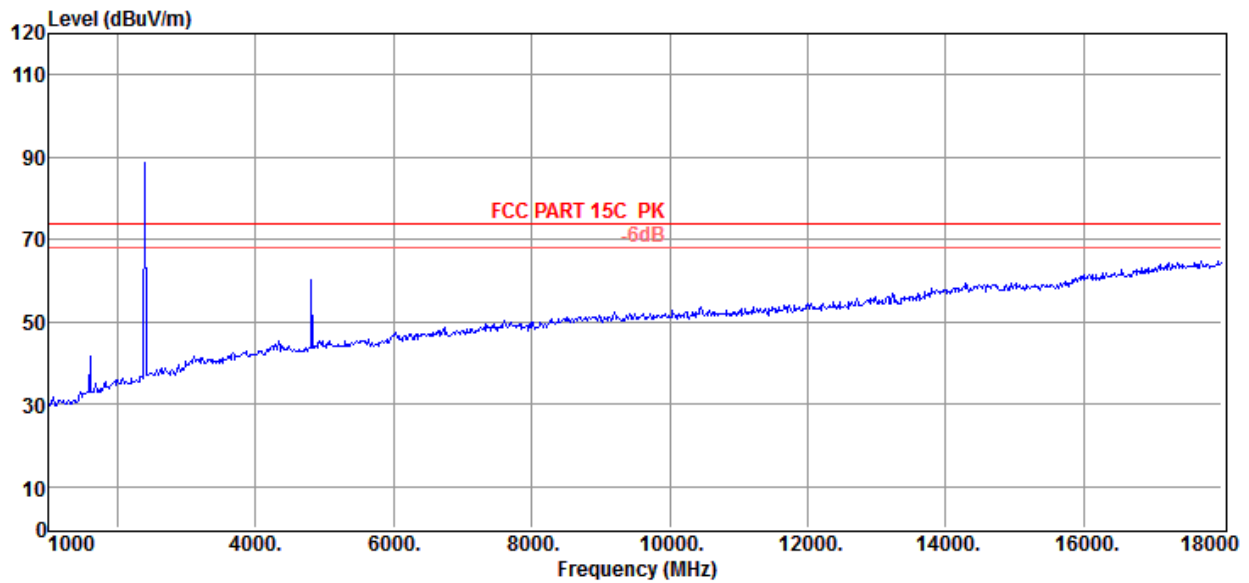
$\pi/4$ -DQPSK TX 2480MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	50.97	26.61	43.35	5.24	39.47	74.00	-34.53	Peak	VERTICAL
2	2480.00	96.34	29.18	43.50	6.57	88.59	74.00	14.59	Peak	VERTICAL
3	4960.00	63.70	34.34	44.01	9.48	63.51	74.00	-10.49	Peak	VERTICAL
4	4960.00	51.36	34.34	44.01	9.48	51.17	54.00	-2.83	Average	VERTICAL
5	10078.00	46.21	37.13	43.39	14.04	53.99	74.00	-20.01	Peak	VERTICAL
6	10078.00	41.32	37.13	43.39	14.04	49.10	54.00	-4.90	Average	VERTICAL
7	14583.00	43.50	40.51	41.40	17.23	59.84	74.00	-14.16	Peak	VERTICAL
8	14583.00	33.78	40.51	41.40	17.23	50.12	54.00	-3.88	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

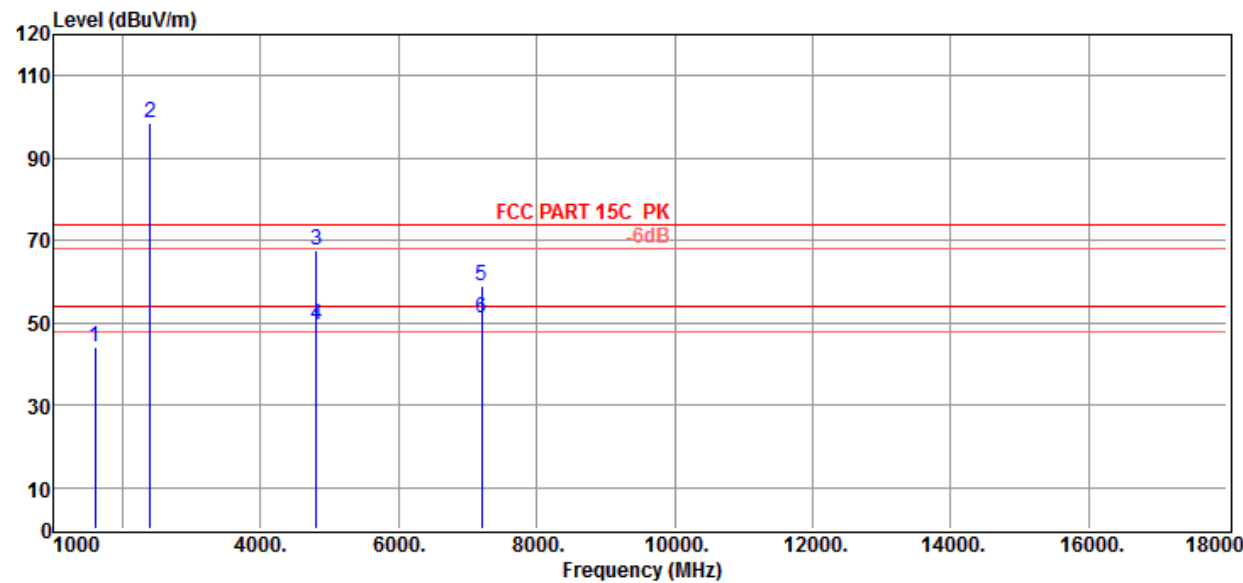
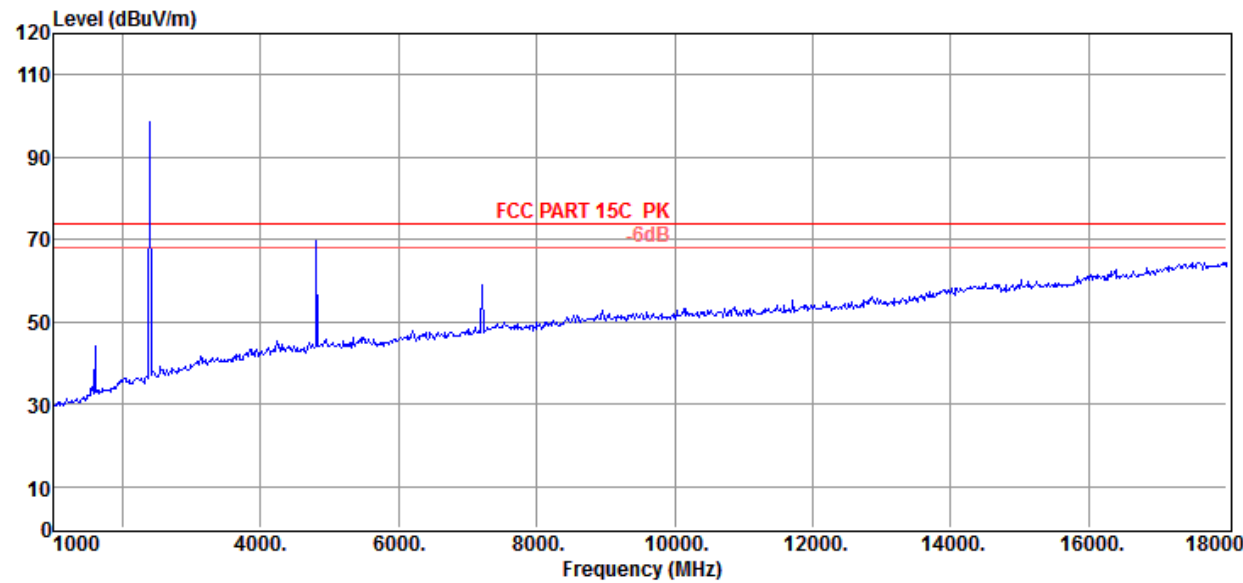
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	53.44	26.57	43.34	5.18	41.85	74.00	-32.15	Peak	VERTICAL
2	2402.00	96.80	28.93	43.48	6.47	88.72	74.00	14.72	Peak	VERTICAL
3	4804.00	61.08	34.01	44.06	9.32	60.35	74.00	-13.65	Peak	VERTICAL
4	4804.00	51.37	34.01	44.06	9.32	50.64	54.00	-3.36	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

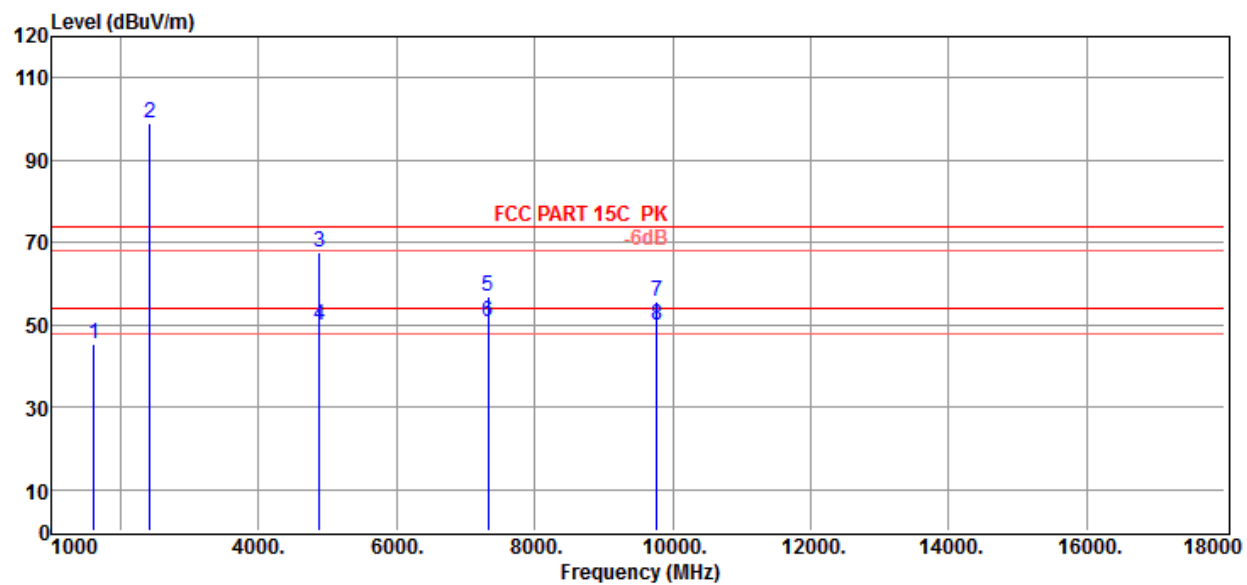
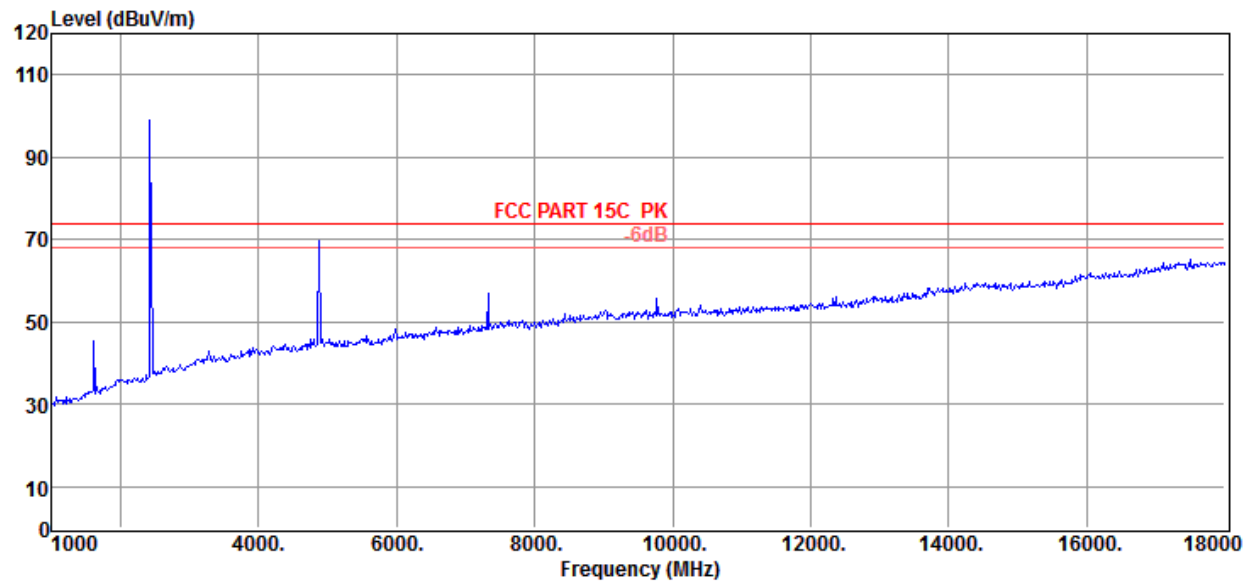
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1595.00	55.55	26.57	43.34	5.18	43.96	74.00	-30.04	Peak	HORIZONTAL
2	2402.00	106.61	28.93	43.48	6.47	98.53	74.00	24.53	Peak	HORIZONTAL
3	4804.00	68.37	34.01	44.06	9.32	67.64	74.00	-6.36	Peak	HORIZONTAL
4	4804.00	50.24	34.01	44.06	9.32	49.51	54.00	-4.49	Average	HORIZONTAL
5	7205.00	55.53	35.72	43.62	11.48	59.11	74.00	-14.89	Peak	HORIZONTAL
6	7205.00	47.36	35.72	43.62	11.48	50.94	54.00	-3.06	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

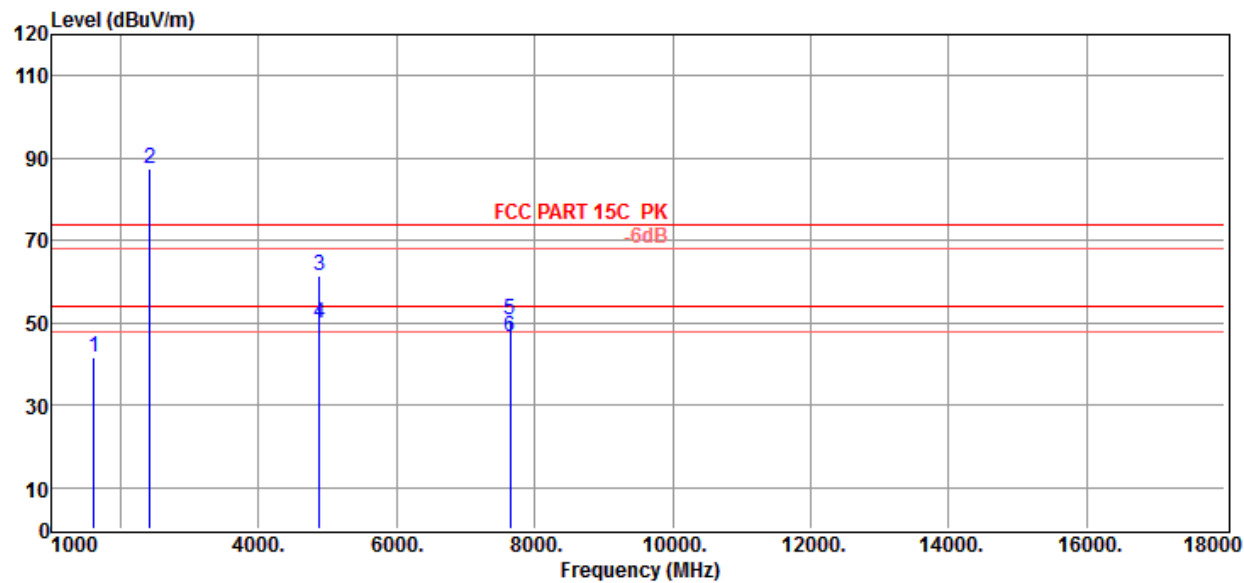
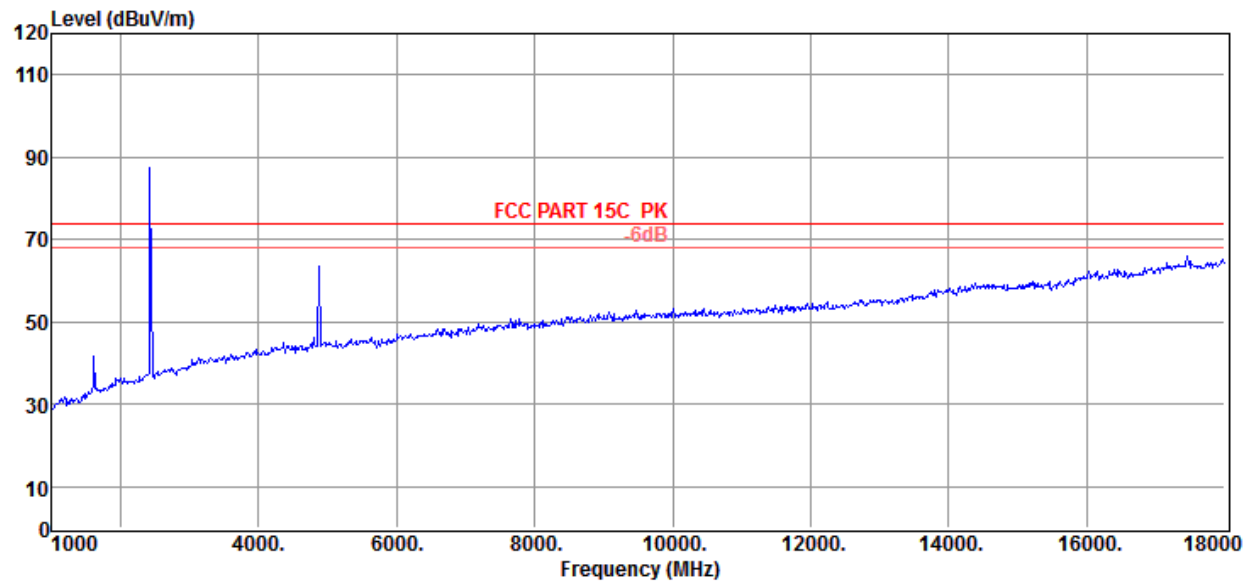
8-DPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	56.85	26.67	43.34	5.21	45.39	74.00	-28.61	Peak	HORIZONTAL
2	2441.00	106.96	29.03	43.49	6.51	99.01	74.00	25.01	Peak	HORIZONTAL
3	4882.00	67.83	34.29	44.04	9.41	67.49	74.00	-6.51	Peak	HORIZONTAL
4	4882.00	50.34	34.29	44.04	9.41	50.00	54.00	-4.00	Average	HORIZONTAL
5	7324.00	53.05	35.63	43.32	11.62	56.98	74.00	-17.02	Peak	HORIZONTAL
6	7324.00	46.69	35.63	43.32	11.62	50.62	54.00	-3.38	Average	HORIZONTAL
7	9772.00	48.35	37.06	43.53	13.89	55.77	74.00	-18.23	Peak	HORIZONTAL
8	9772.00	42.36	37.06	43.53	13.89	49.78	54.00	-4.22	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

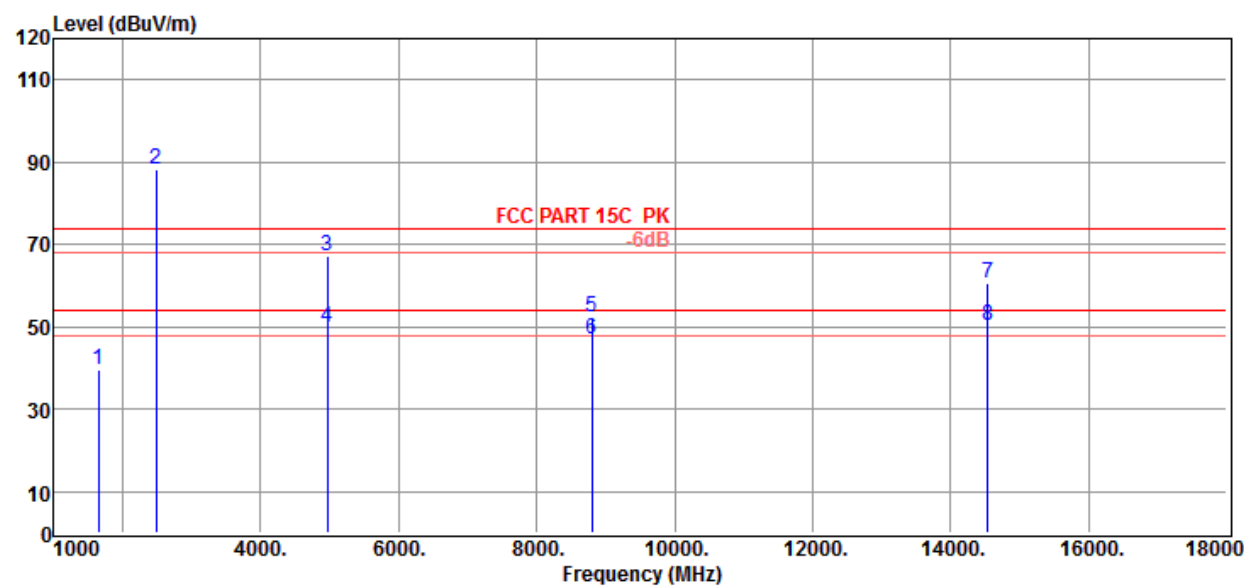
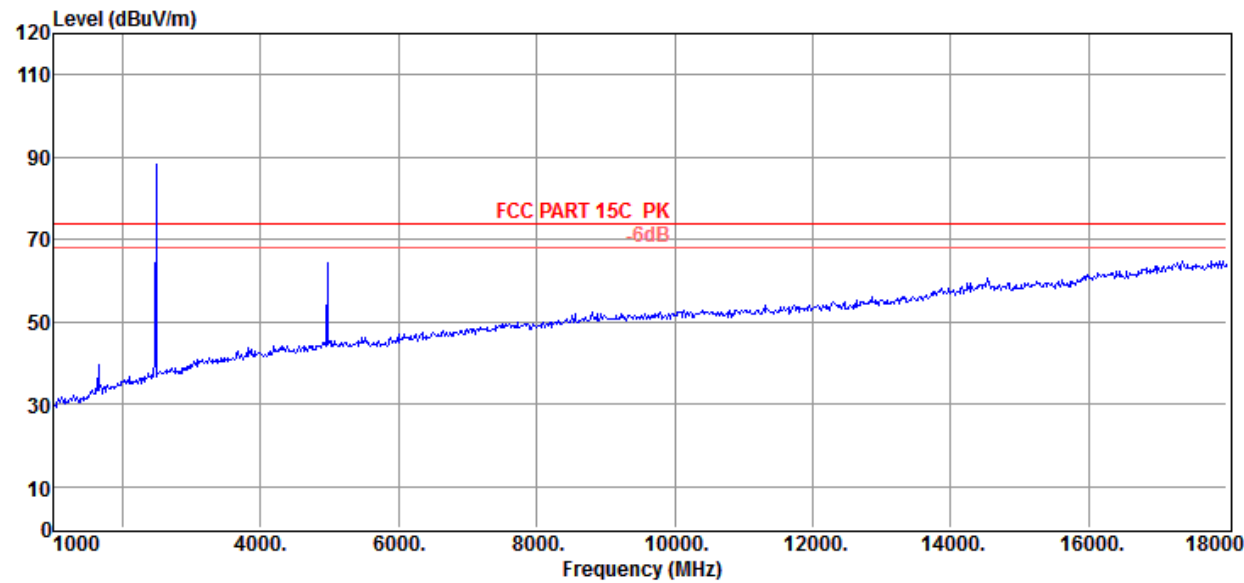
8-DPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1612.00	53.08	26.67	43.34	5.21	41.62	74.00	-32.38	Peak	VERTICAL
2	2441.00	95.55	29.03	43.49	6.51	87.60	74.00	13.60	Peak	VERTICAL
3	4882.00	61.65	34.29	44.04	9.41	61.31	74.00	-12.69	Peak	VERTICAL
4	4882.00	50.35	34.29	44.04	9.41	50.01	54.00	-3.99	Average	VERTICAL
5	7647.00	46.01	36.28	43.25	11.87	50.91	74.00	-23.09	Peak	VERTICAL
6	7647.00	41.69	36.28	43.25	11.87	46.59	54.00	-7.41	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

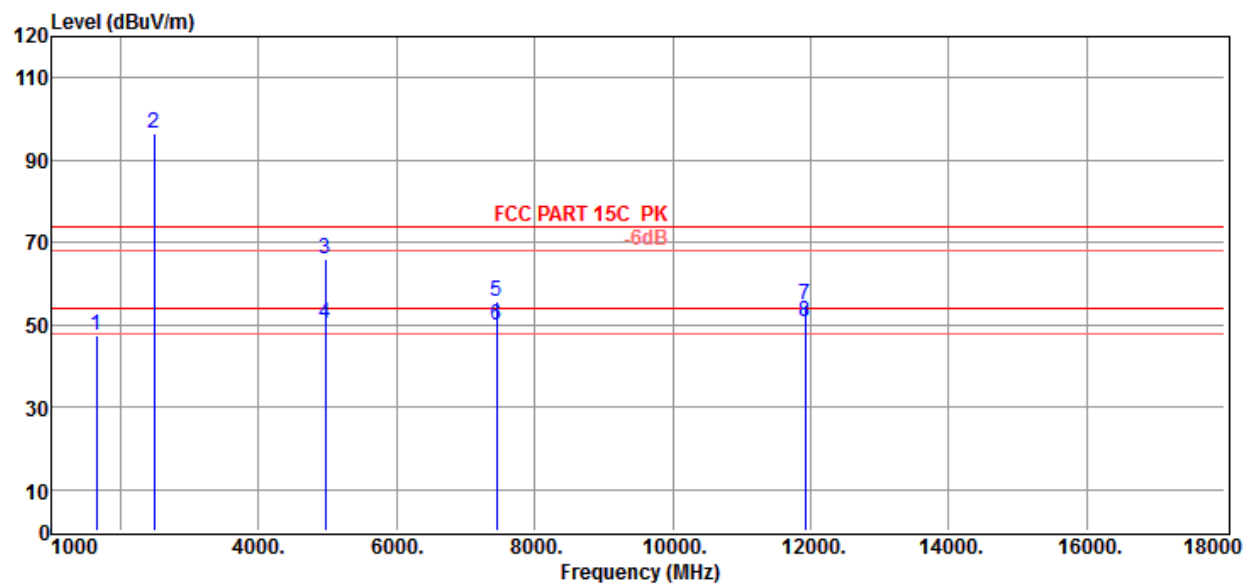
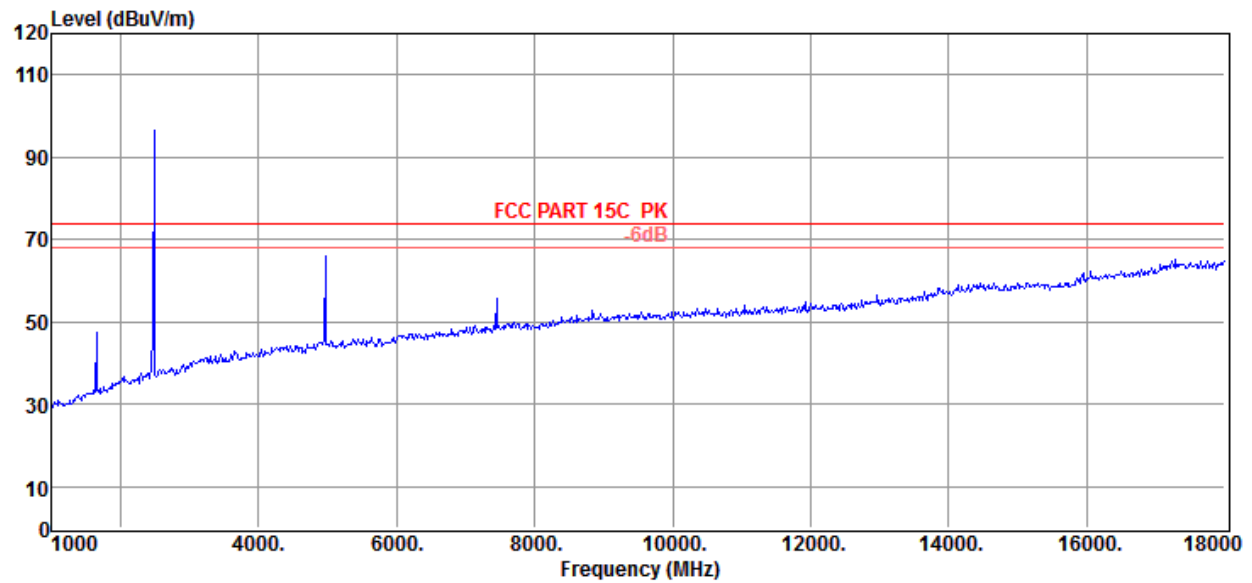
8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	51.09	26.61	43.35	5.24	39.59	74.00	-34.41	Peak	VERTICAL
2	2480.00	96.15	29.18	43.50	6.57	88.40	74.00	14.40	Peak	VERTICAL
3	4960.00	67.57	34.34	44.01	9.48	67.38	74.00	-6.62	Peak	VERTICAL
4	4960.00	50.21	34.34	44.01	9.48	50.02	54.00	-3.98	Average	VERTICAL
5	8803.00	45.82	36.78	43.39	13.16	52.37	74.00	-21.63	Peak	VERTICAL
6	8803.00	40.39	36.78	43.39	13.16	46.94	54.00	-7.06	Average	VERTICAL
7	14532.00	44.37	40.47	41.40	17.23	60.67	74.00	-13.33	Peak	VERTICAL
8	14532.00	33.90	40.47	41.40	17.23	50.20	54.00	-3.80	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limi

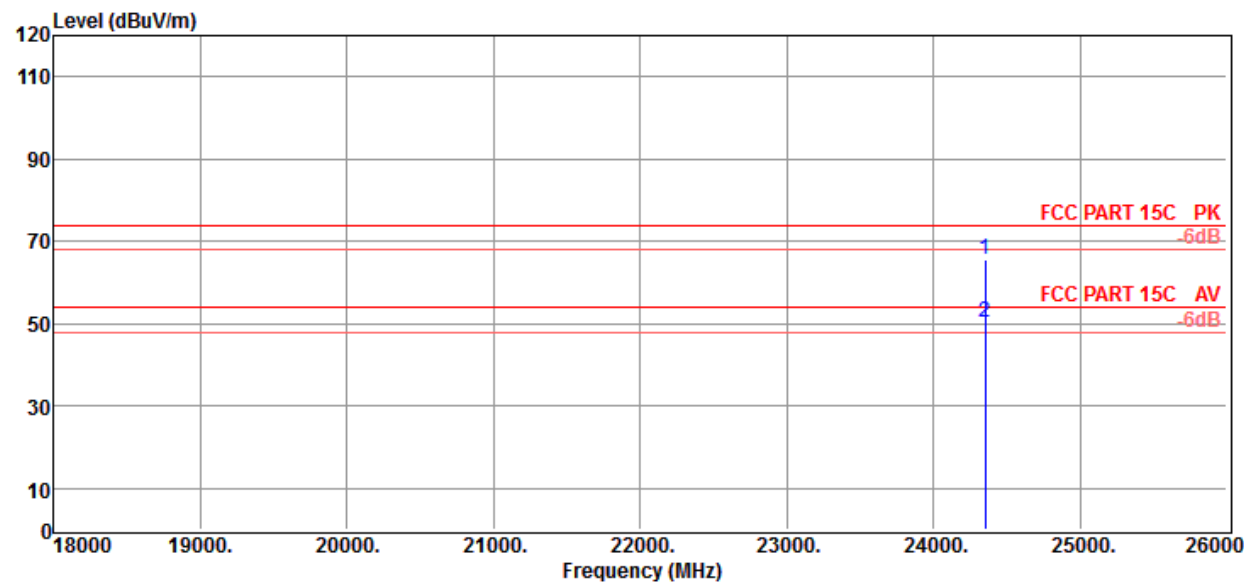
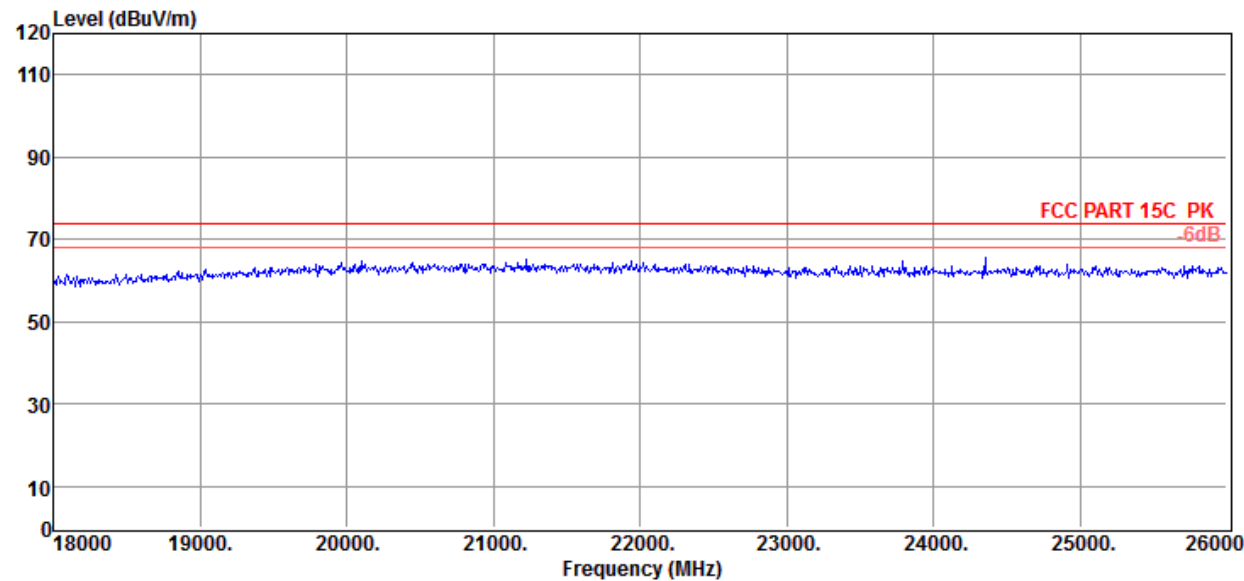
8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1646.00	59.07	26.61	43.35	5.24	47.57	74.00	-26.43	Peak	HORIZONTAL
2	2480.00	104.27	29.18	43.50	6.57	96.52	74.00	22.52	Peak	HORIZONTAL
3	4960.00	66.34	34.34	44.01	9.48	66.15	74.00	-7.85	Peak	HORIZONTAL
4	4960.00	50.32	34.34	44.01	9.48	50.13	54.00	-3.87	Average	HORIZONTAL
5	7443.00	51.29	35.84	43.07	11.70	55.76	74.00	-18.24	Peak	HORIZONTAL
6	7443.00	45.36	35.84	43.07	11.70	49.83	54.00	-4.17	Average	HORIZONTAL
7	11914.00	45.11	37.58	43.01	15.28	54.96	74.00	-19.04	Peak	HORIZONTAL
8	11914.00	40.68	37.58	43.01	15.28	50.53	54.00	-3.47	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limi

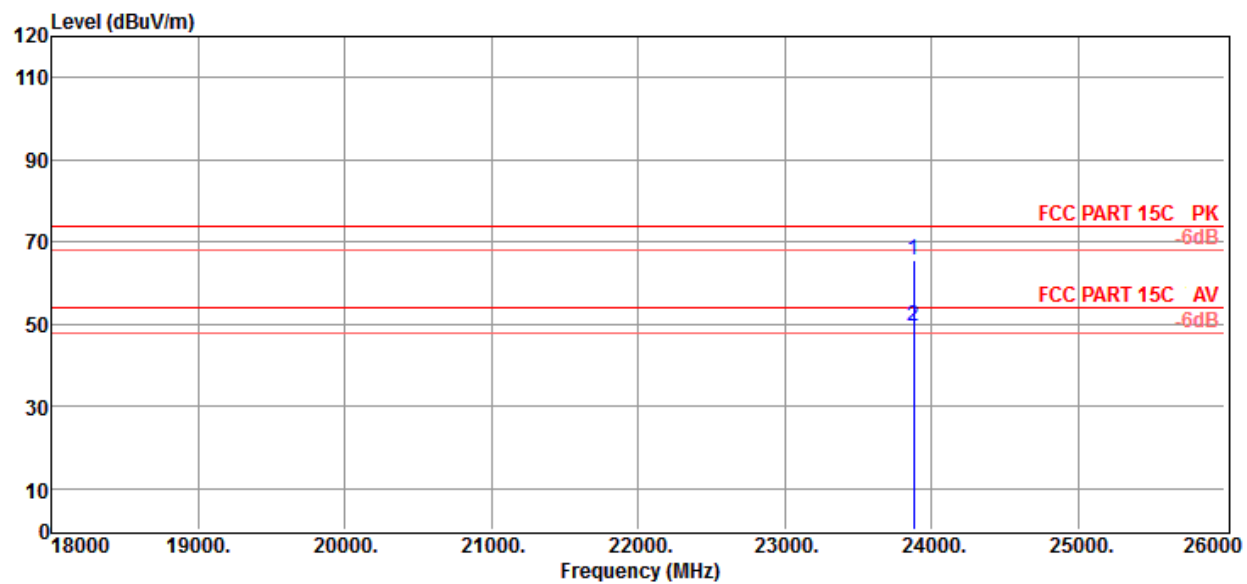
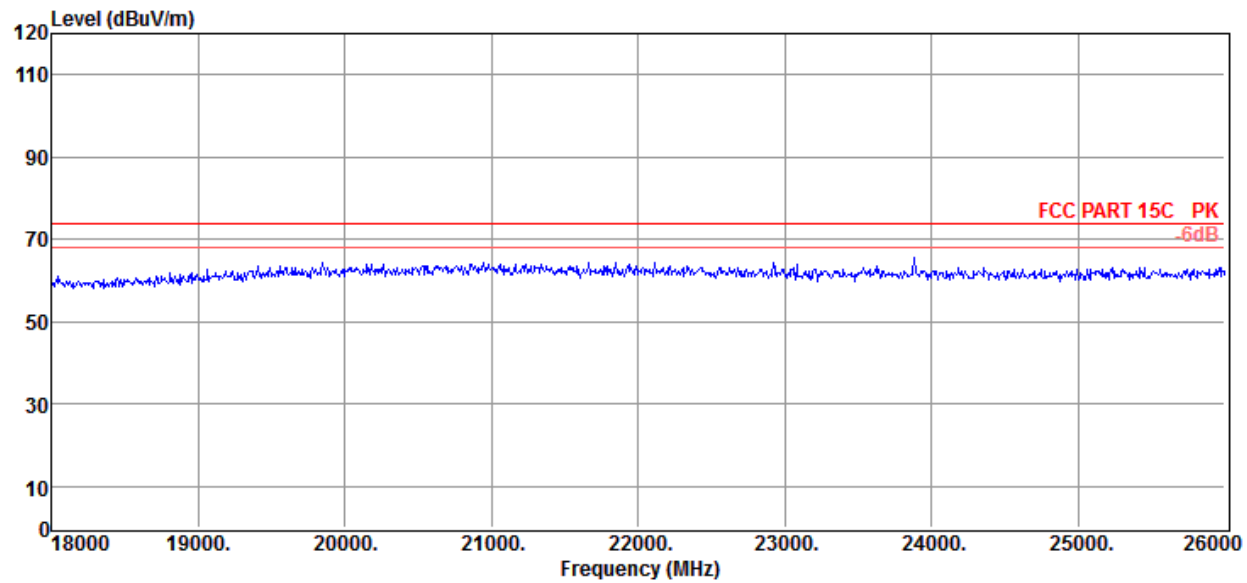
18000MHz – 260000MHz
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	24352.00	45.36	46.17	43.43	17.61	65.71	74.00	-8.29	Peak	HORIZONTAL
2	24352.00	30.10	46.17	43.43	17.61	50.45	54.00	-3.55	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

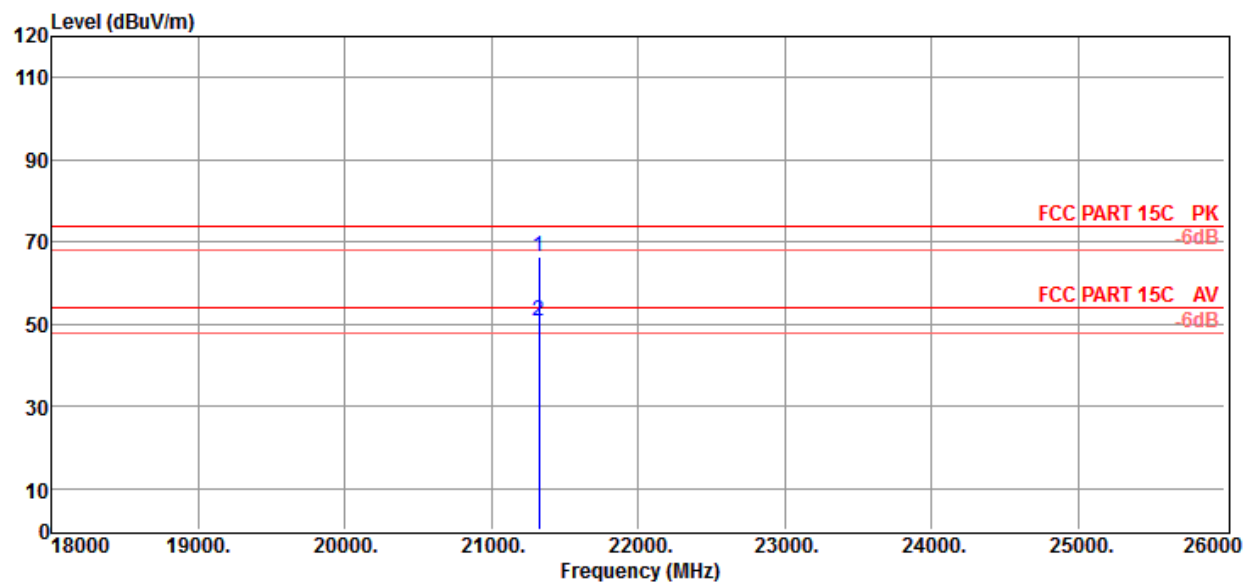
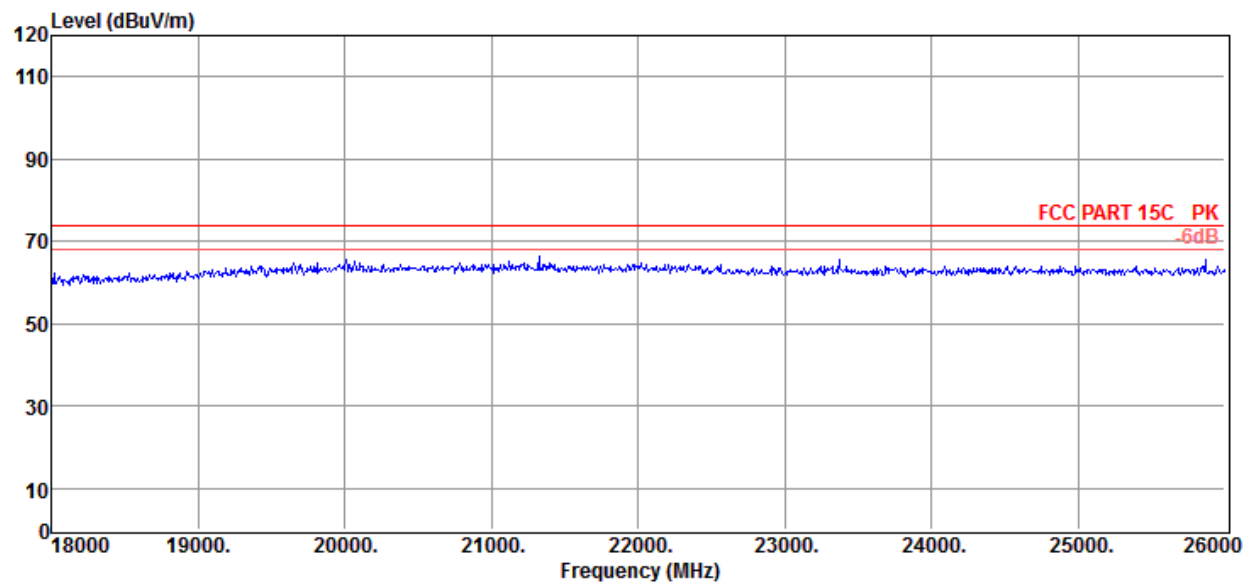
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	23880.00	45.14	46.17	43.25	17.48	65.54	74.00	-8.46	Peak	VERTICAL
2	23880.00	29.23	46.17	43.25	17.48	49.63	54.00	-4.37	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

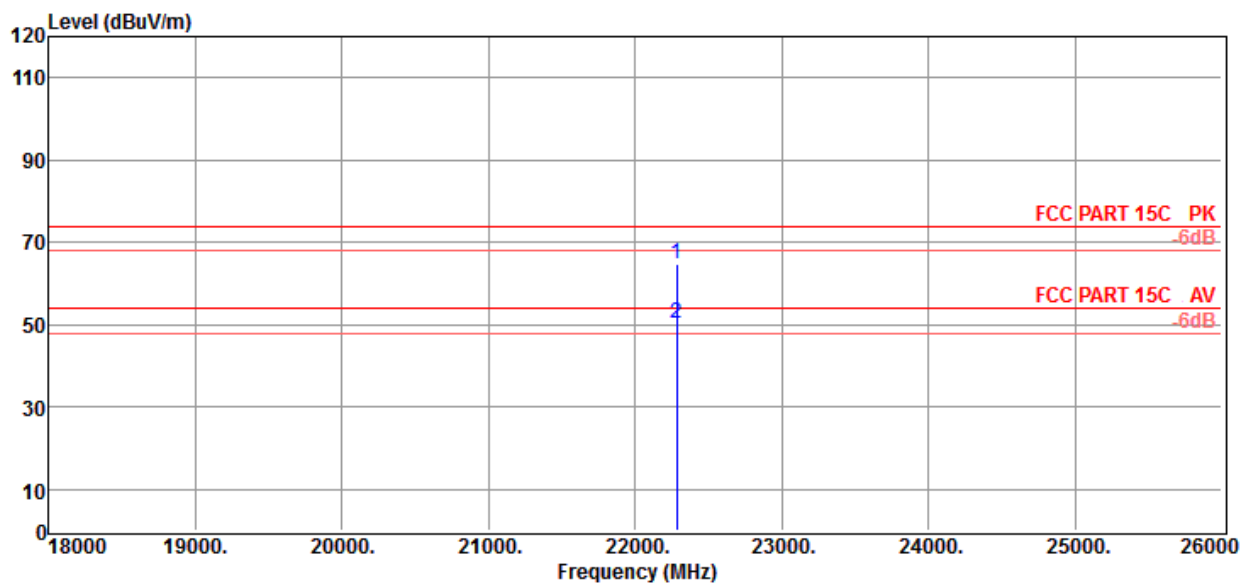
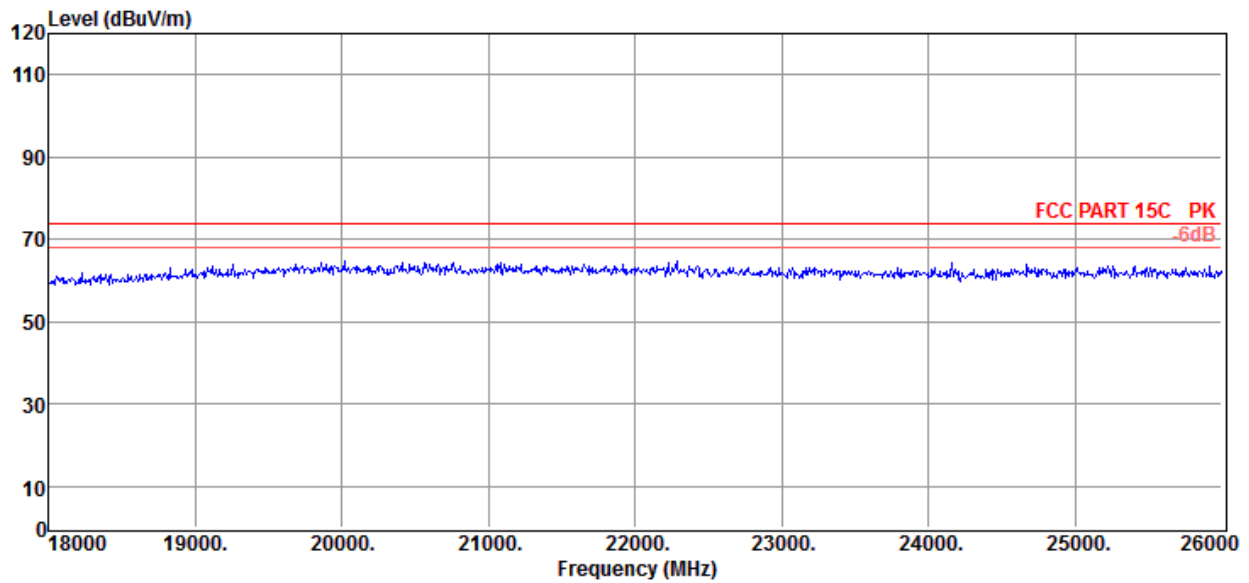
GFSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21320.00	45.00	45.77	41.04	16.53	66.26	74.00	-7.74	Peak	VERTICAL
2	21320.00	29.59	45.77	41.04	16.53	50.85	54.00	-3.15	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

GFSK TX 2441MHz

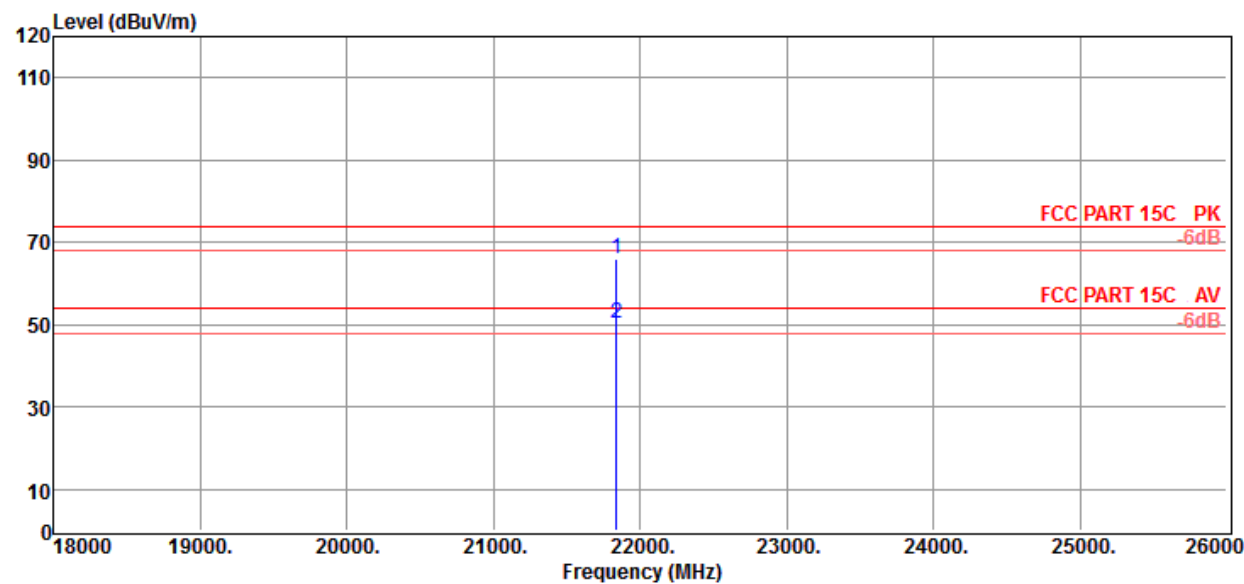
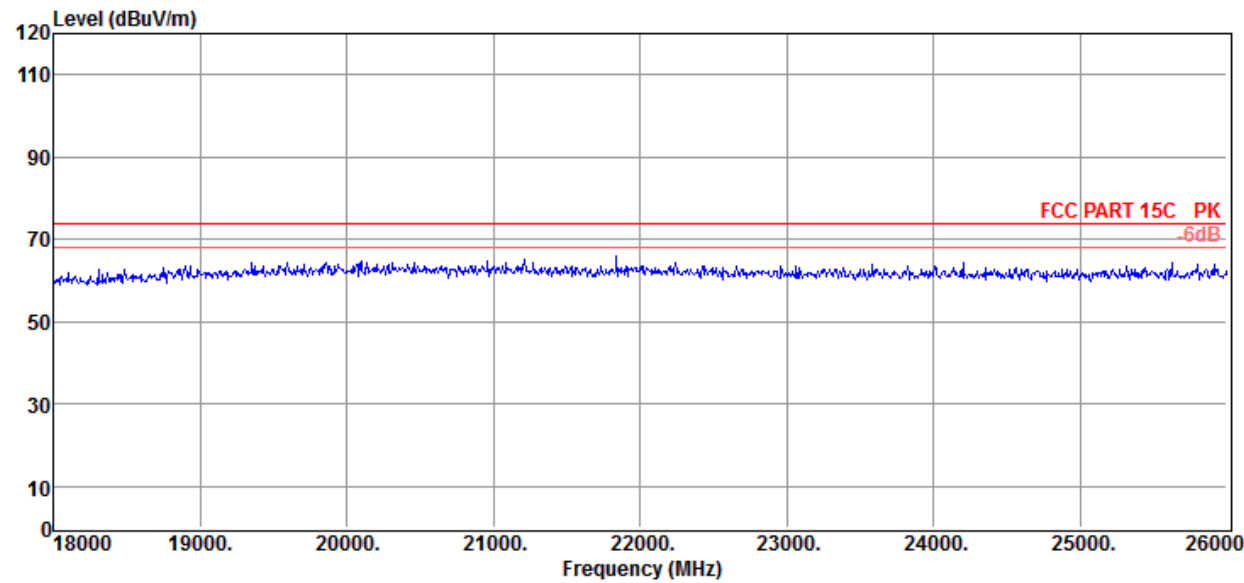


Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	22280.00	43.53	45.72	41.78	17.12	64.59	74.00	-9.41	Peak	HORIZONTAL
2	22280.00	29.10	45.72	41.78	17.12	50.16	54.00	-3.84	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor

2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

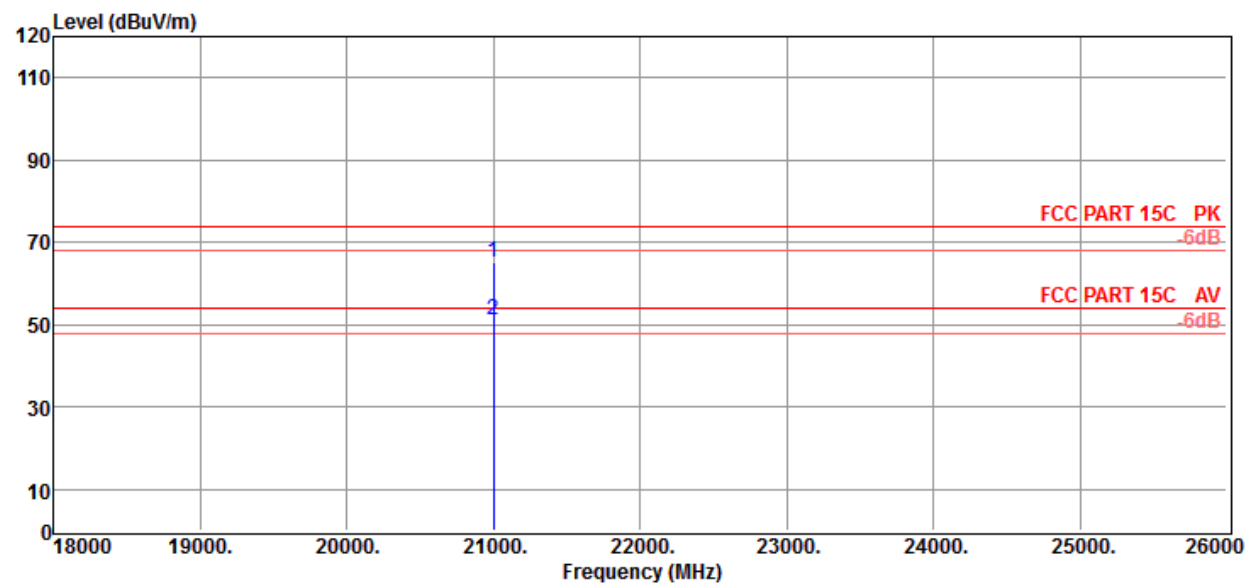
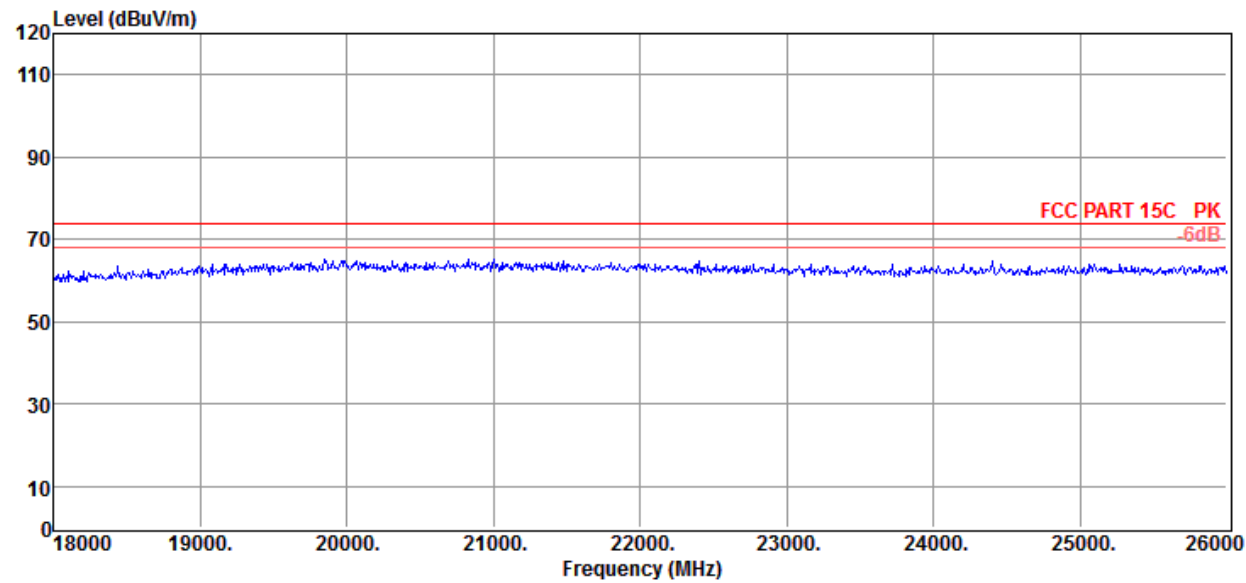
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21840.00	45.03	45.71	41.35	16.76	66.15	74.00	-7.85	Peak	HORIZONTAL
2	21840.00	29.20	45.71	41.35	16.76	50.32	54.00	-3.68	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

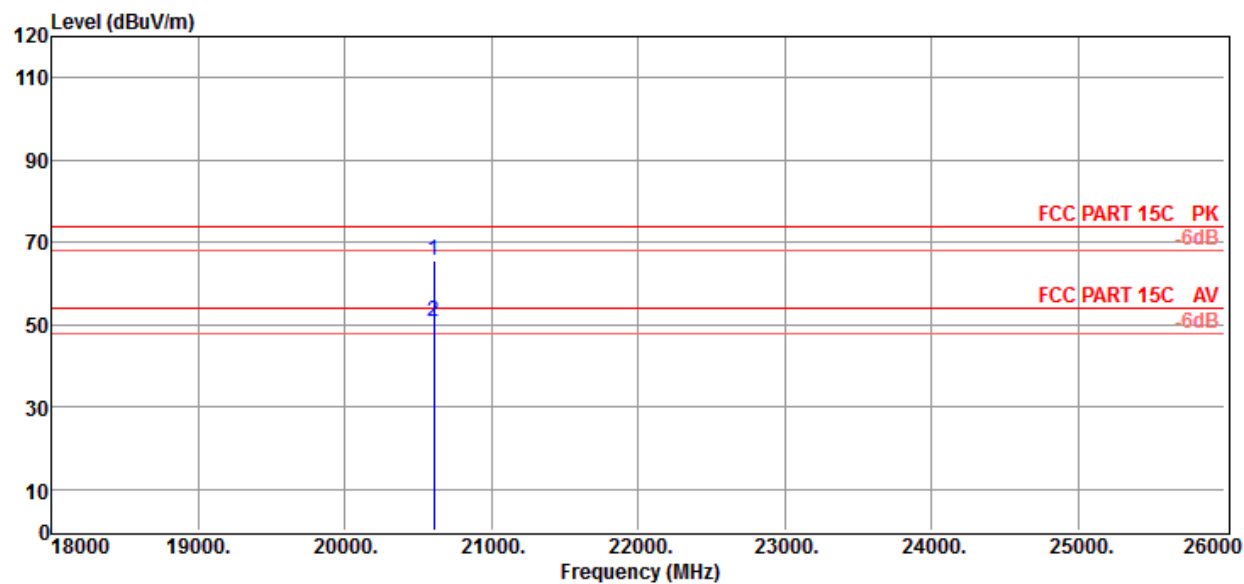
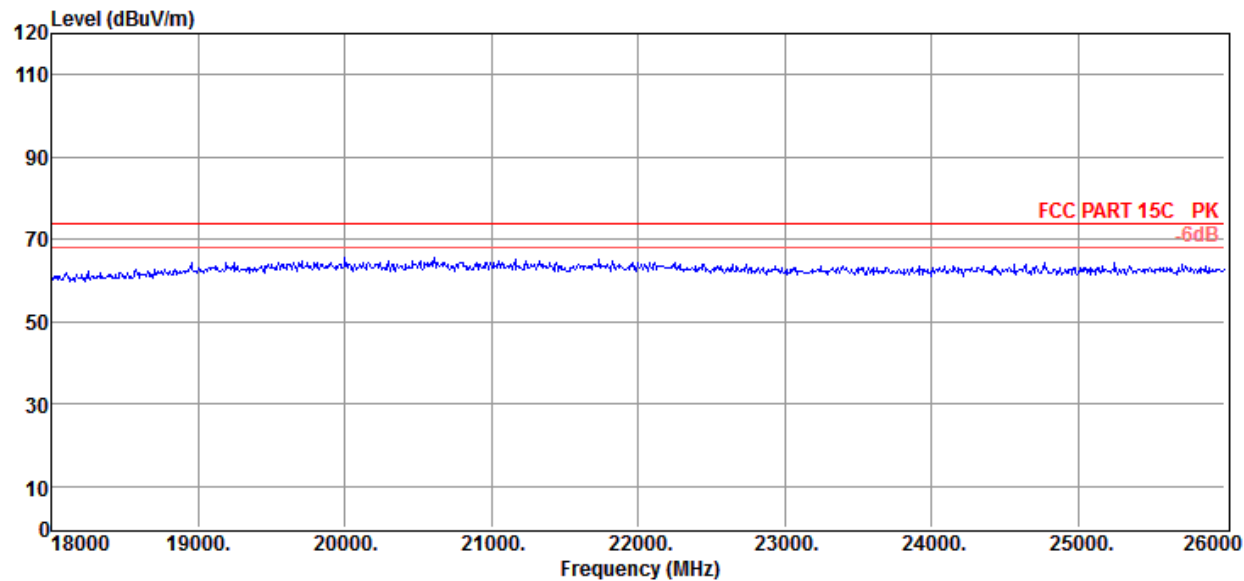
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21000.00	43.96	45.80	40.89	16.45	65.32	74.00	-8.68	Peak	VERTICAL
2	21000.00	29.58	45.80	40.89	16.45	50.94	54.00	-3.06	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

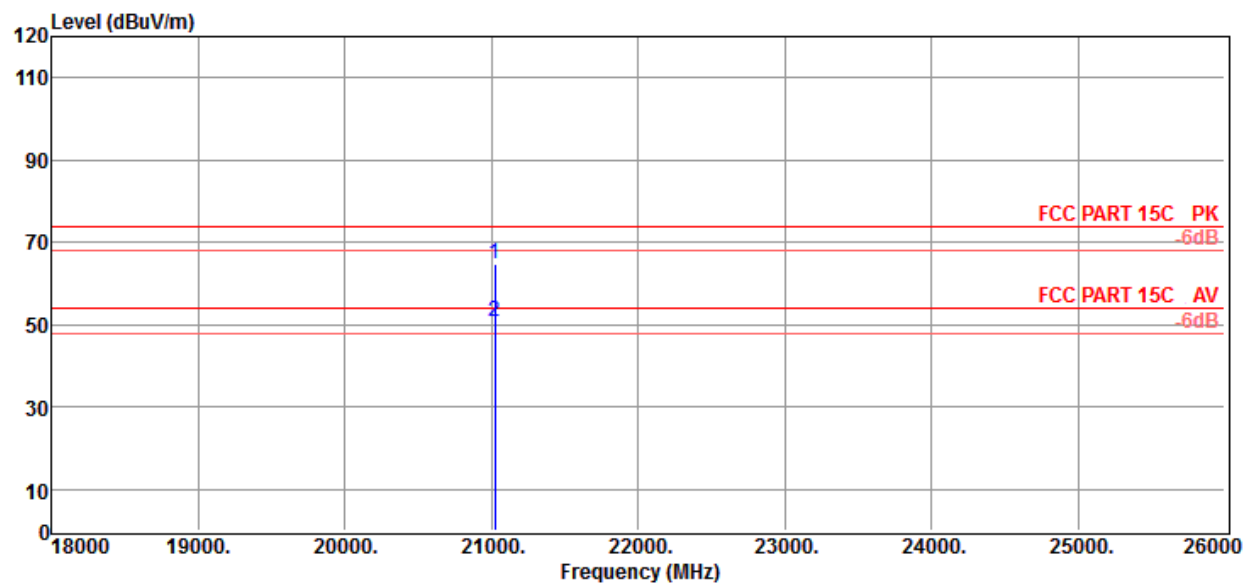
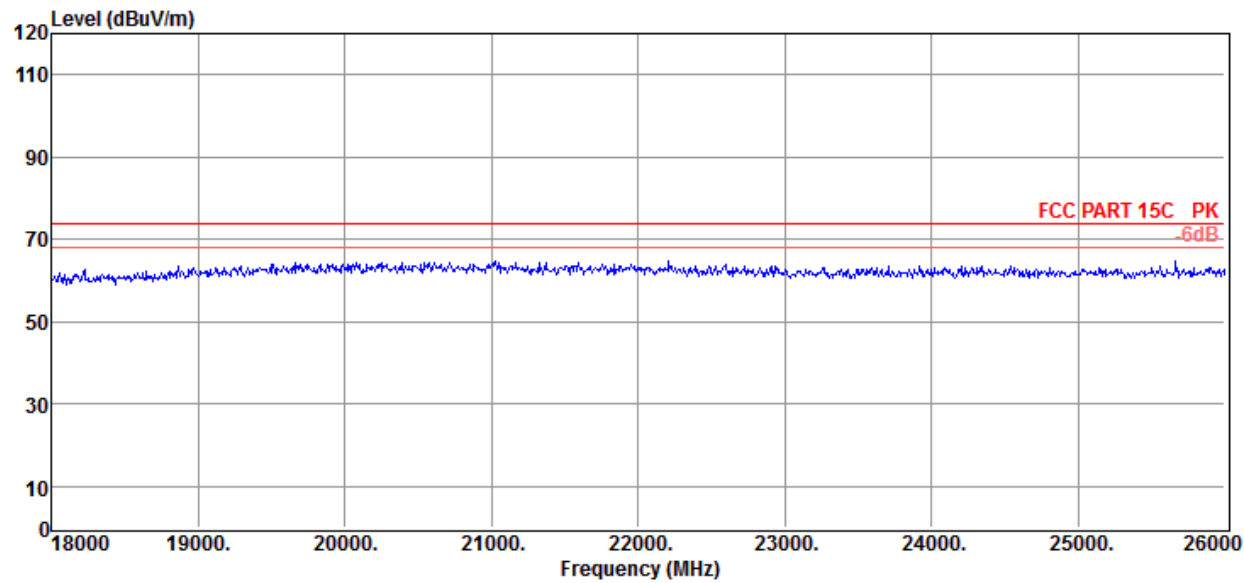
$\pi/4$ -DQPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	20608.00	44.37	45.64	40.74	16.38	65.65	74.00	-8.35	Peak	VERTICAL
2	20608.00	29.45	45.64	40.74	16.38	50.73	54.00	-3.27	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

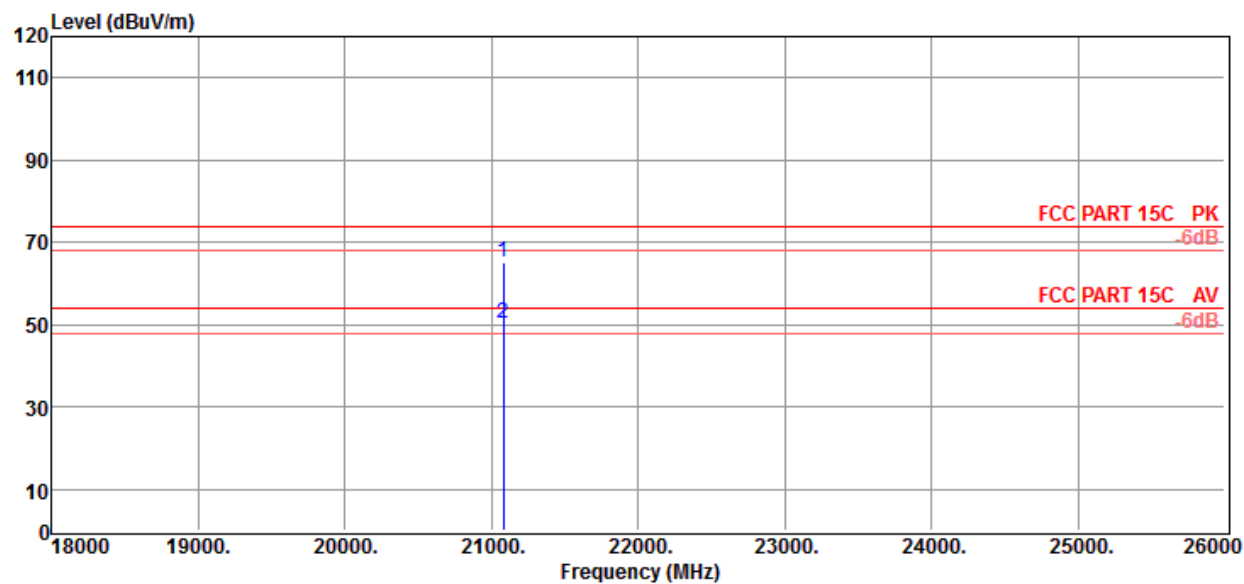
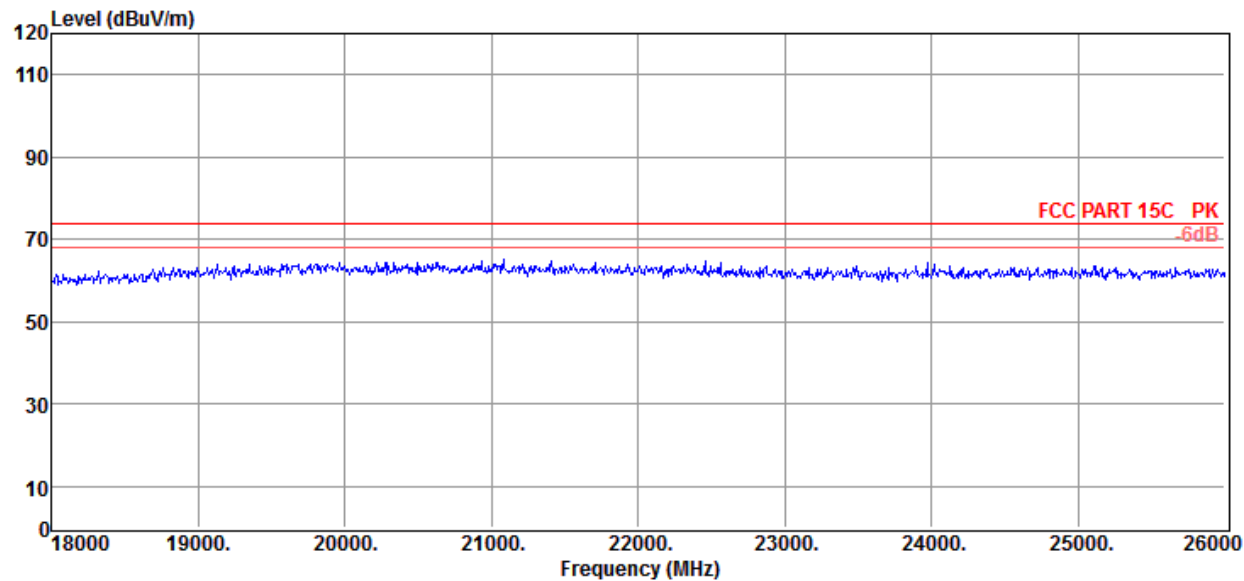
$\pi/4$ -DQPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21024.00	43.54	45.80	40.89	16.46	64.91	74.00	-9.09	Peak	HORIZONTAL
2	21024.00	29.20	45.80	40.89	16.46	50.57	54.00	-3.43	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

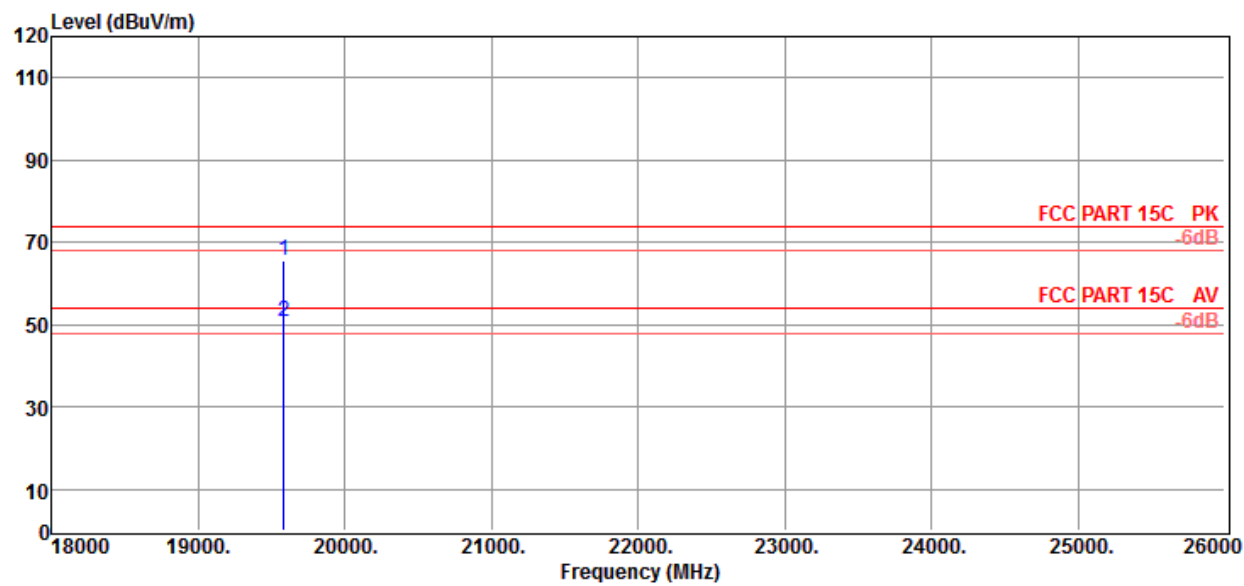
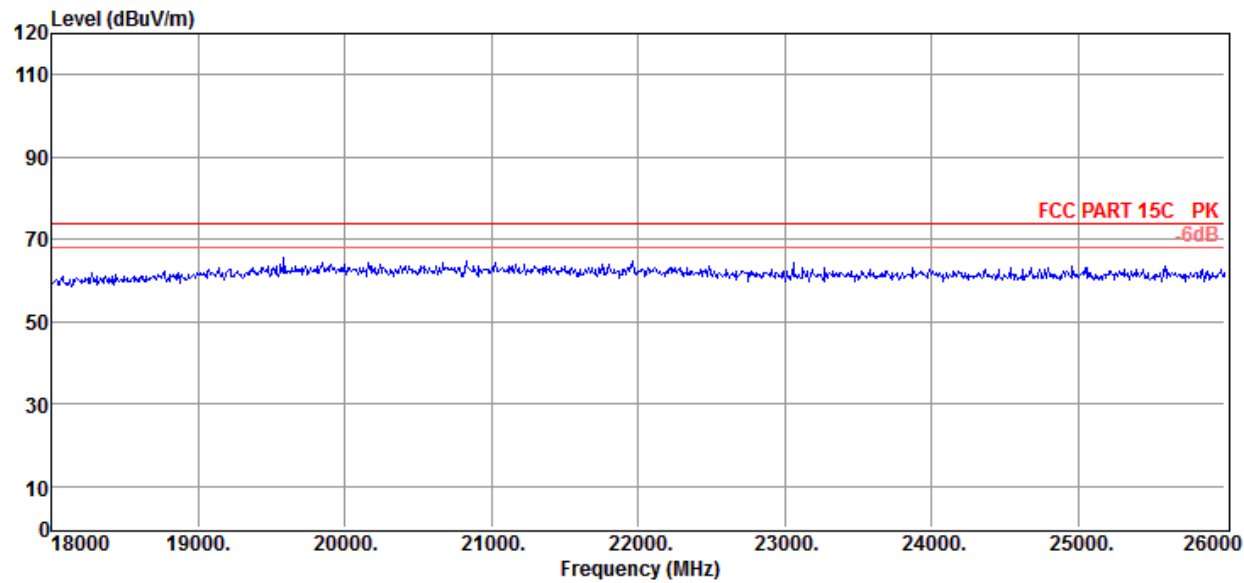
$\pi/4$ -DQPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21080.00	43.83	45.79	40.92	16.47	65.17	74.00	-8.83	Peak	HORIZONTAL
2	21080.00	29.15	45.79	40.92	16.47	50.49	54.00	-3.51	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

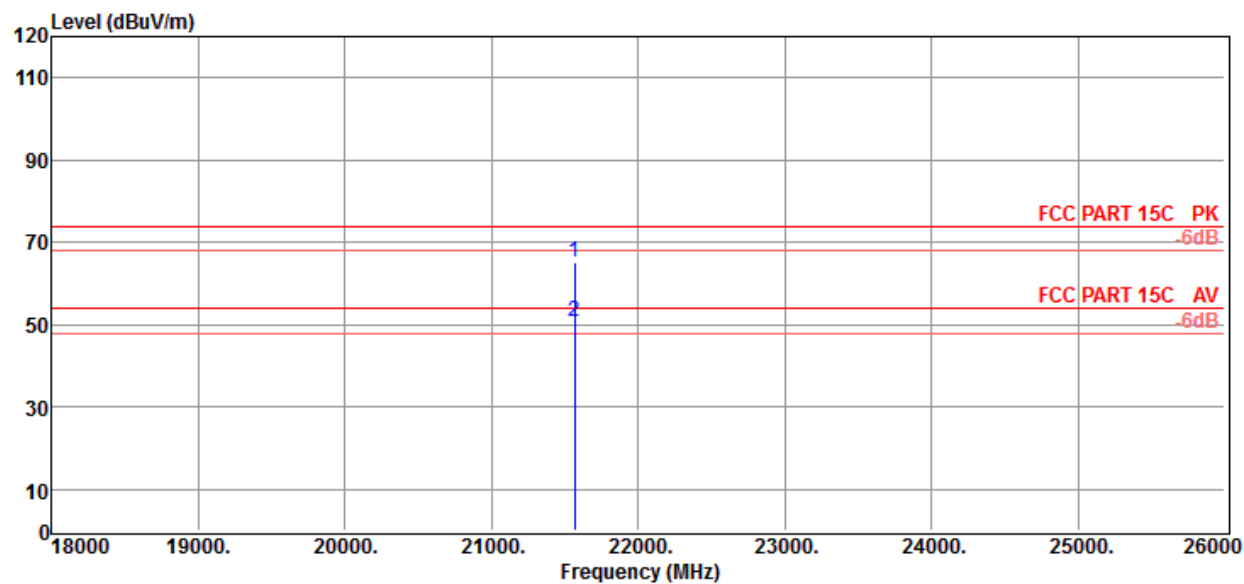
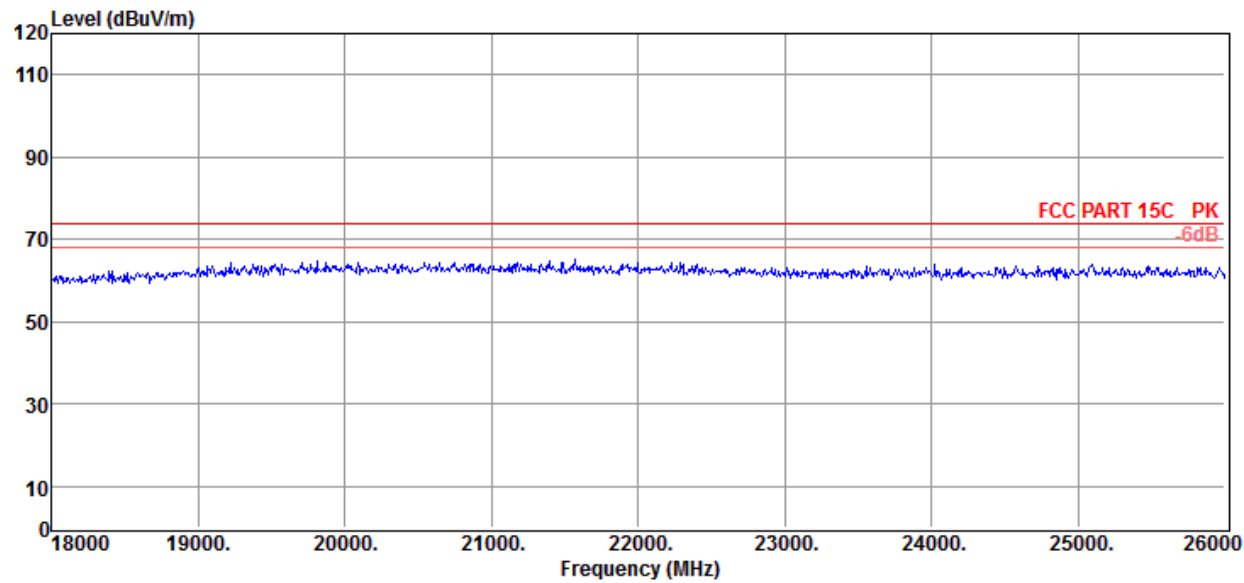
$\pi/4$ -DQPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	19584.00	44.94	45.12	40.76	16.19	65.49	74.00	-8.51	Peak	VERTICAL
2	19584.00	30.00	45.12	40.76	16.19	50.55	54.00	-3.45	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

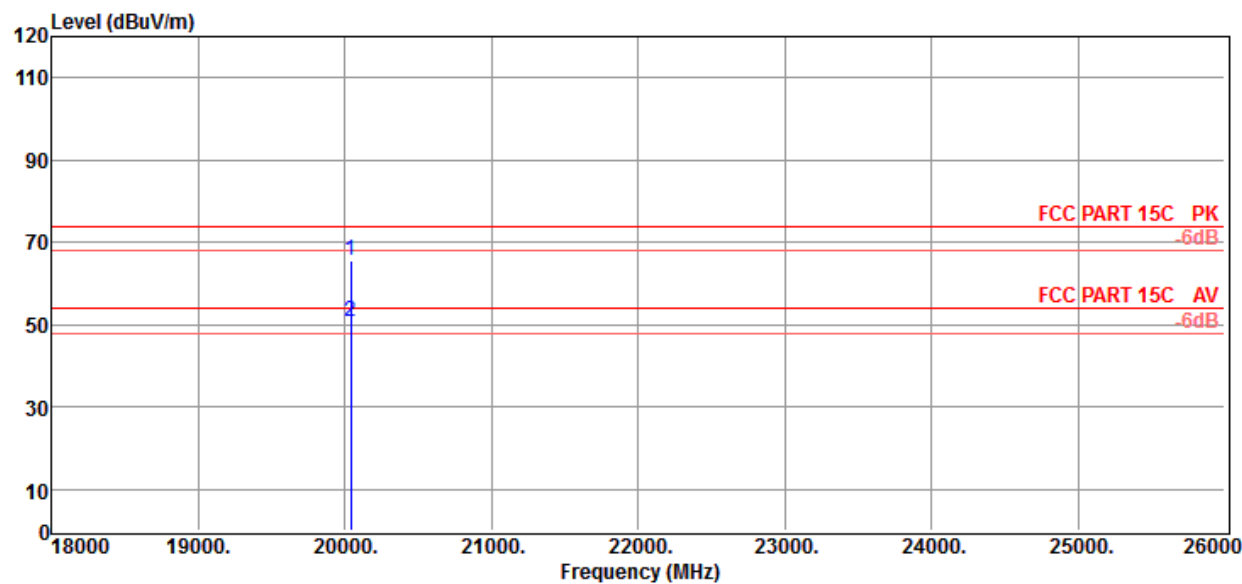
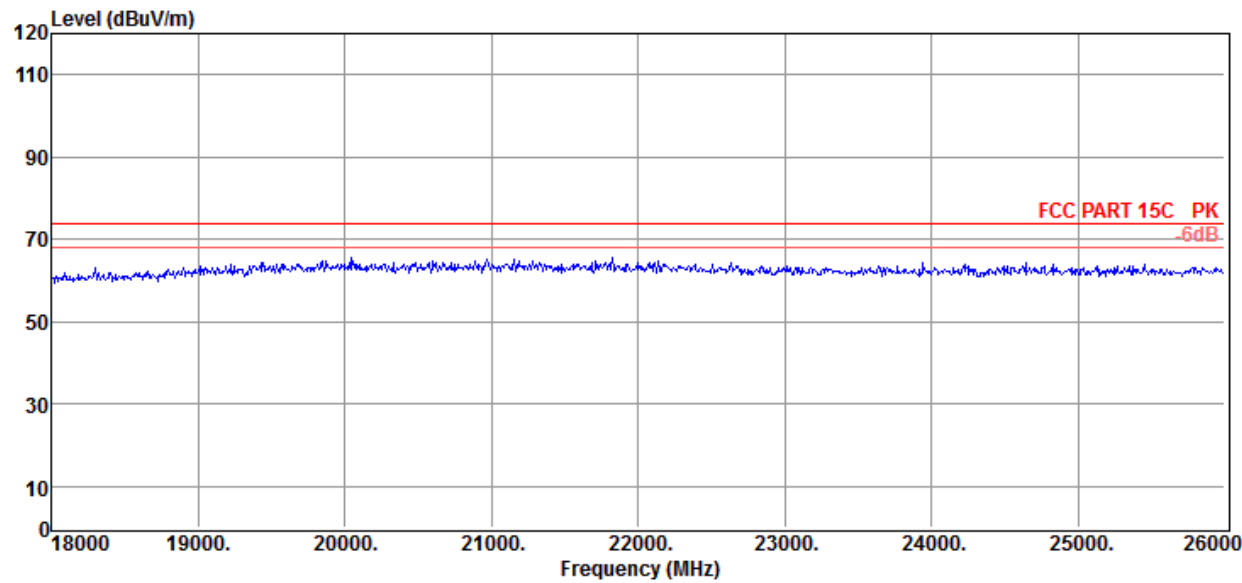
$\pi/4$ -DQPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21568.00	44.13	45.74	41.16	16.61	65.32	74.00	-8.68	Peak	VERTICAL
2	21568.00	29.40	45.74	41.16	16.61	50.59	54.00	-3.41	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

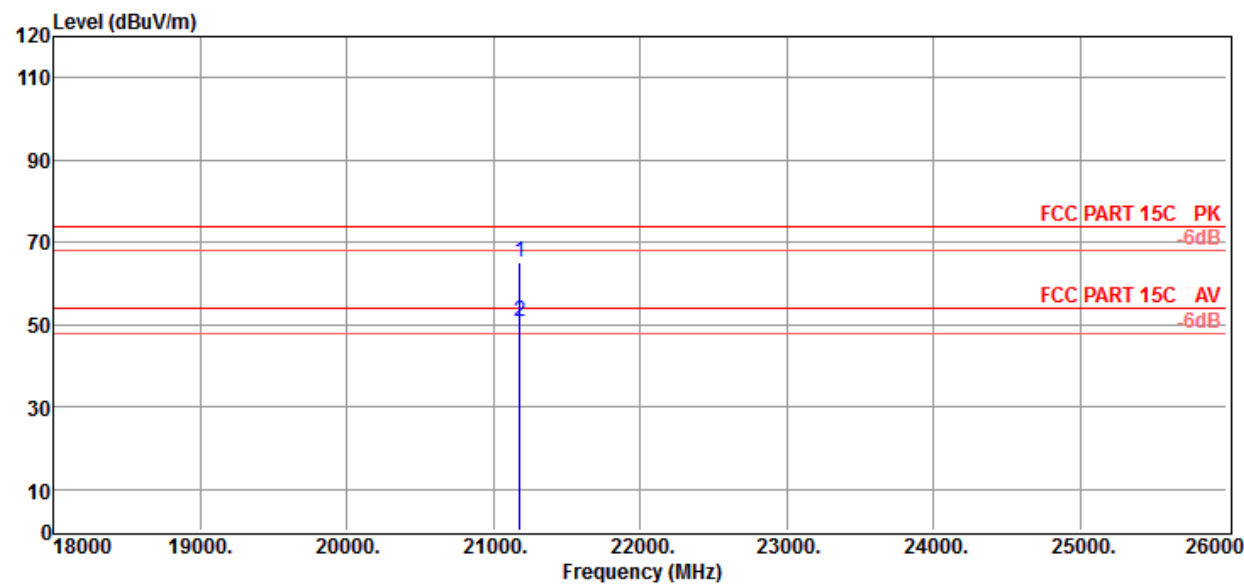
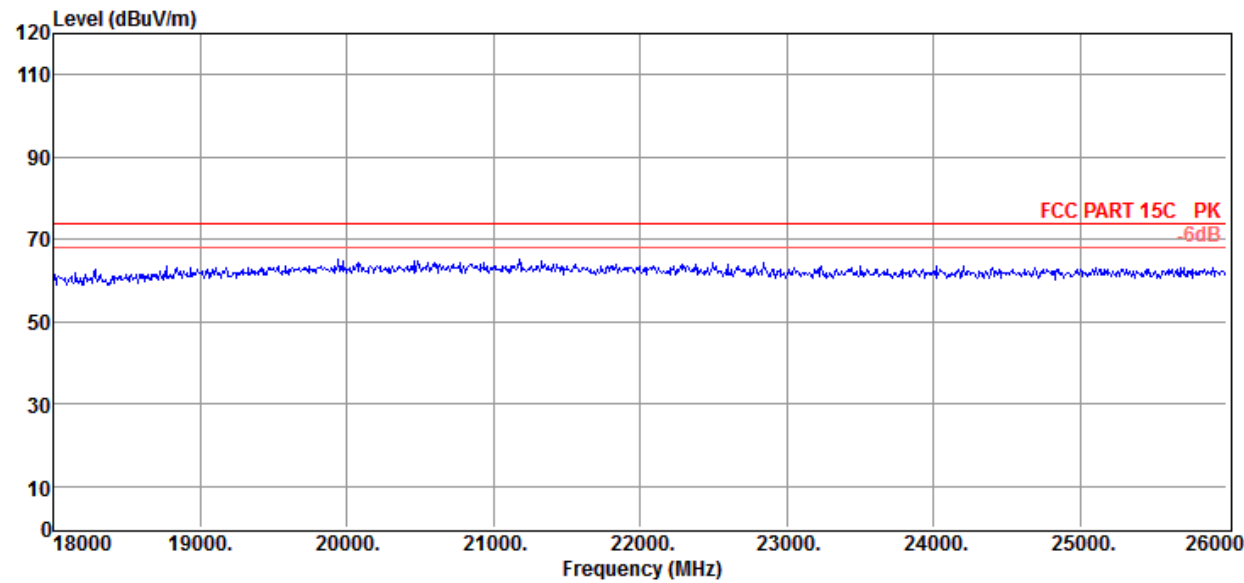
$\pi/4$ -DQPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	20040.00	44.52	45.31	40.57	16.31	65.57	74.00	-8.43	Peak	HORIZONTAL
2	20040.00	29.85	45.31	40.57	16.31	50.90	54.00	-3.10	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

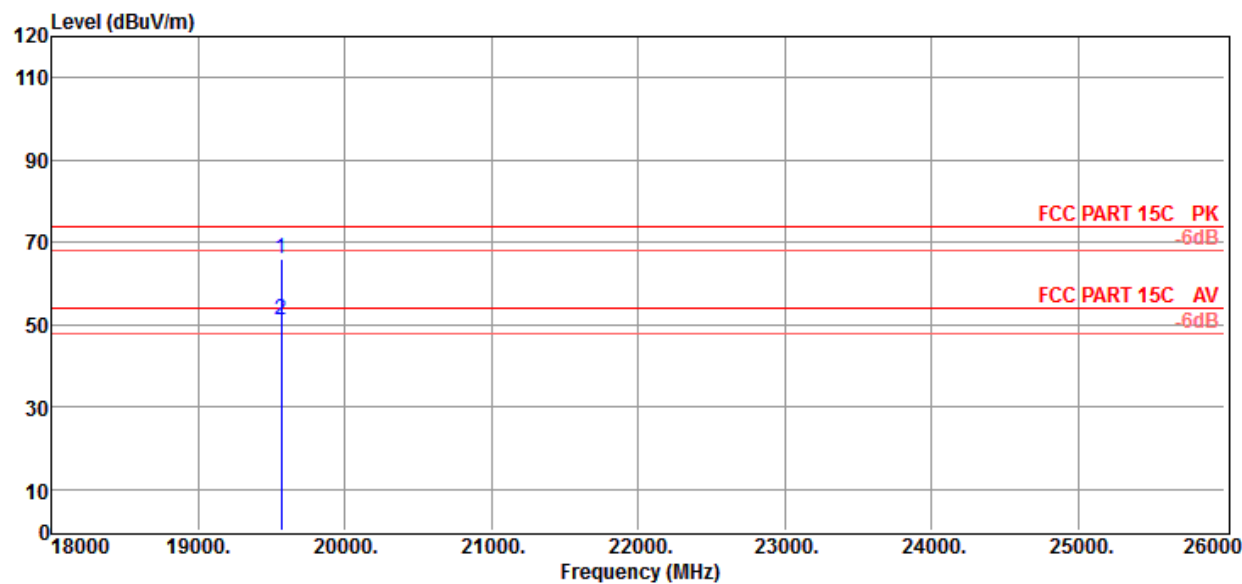
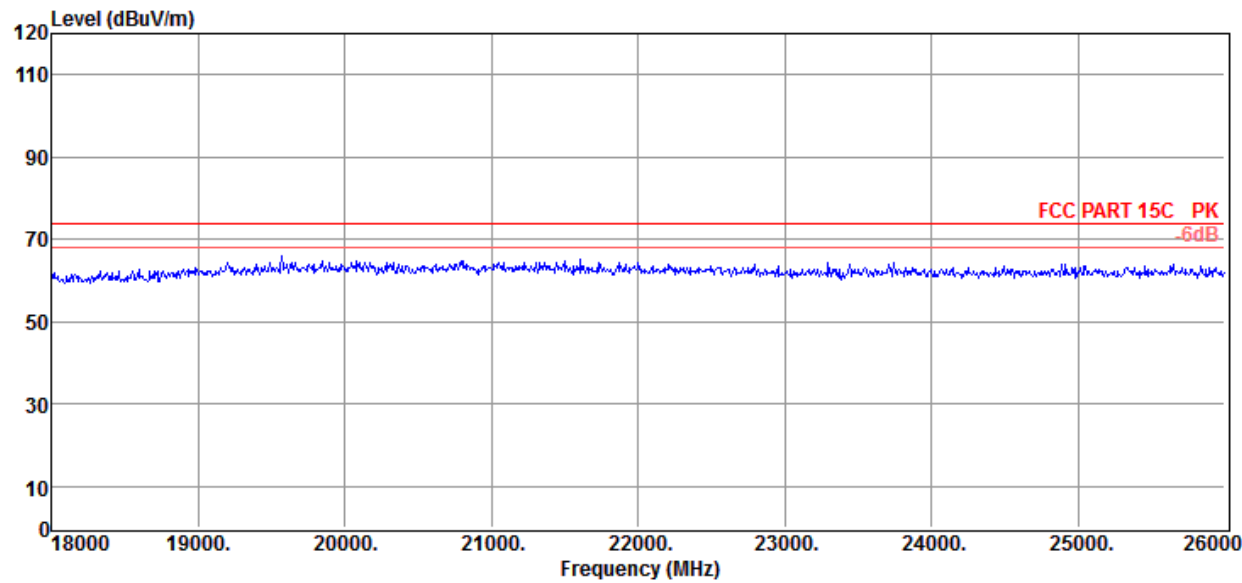
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21176.00	43.87	45.79	40.96	16.49	65.19	74.00	-8.81	Peak	HORIZONTAL
2	21176.00	29.40	45.79	40.96	16.49	50.72	54.00	-3.28	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

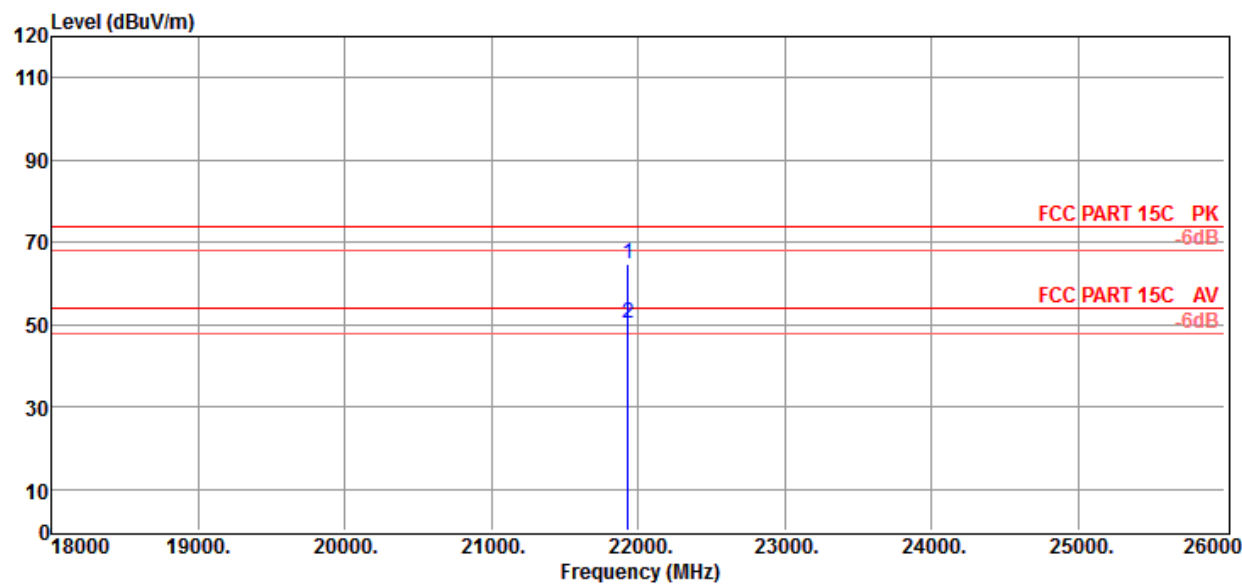
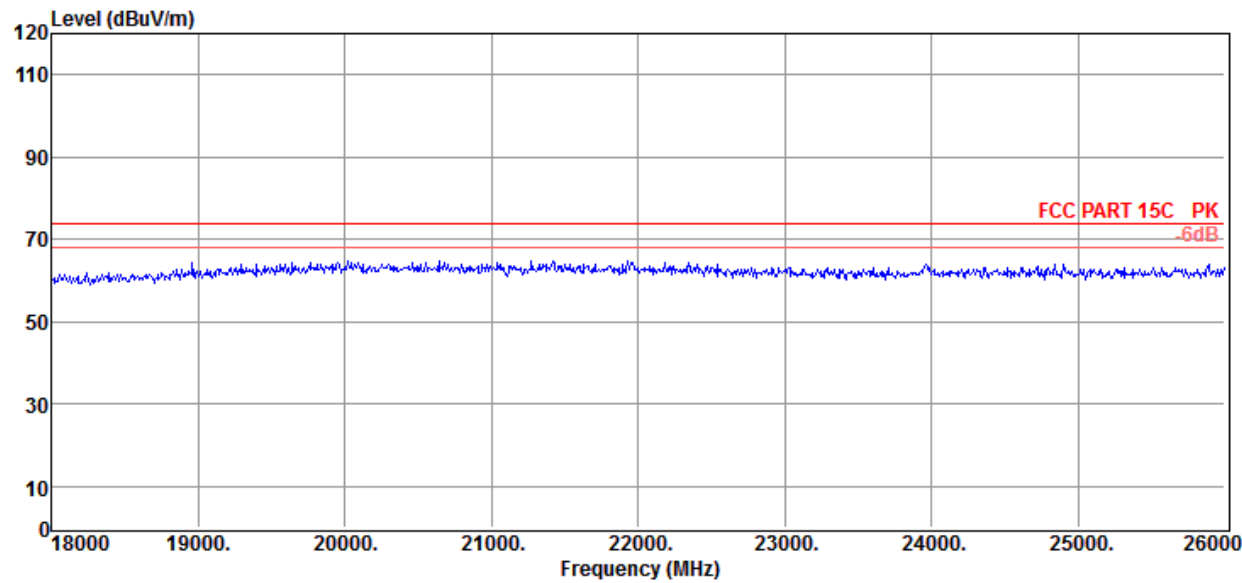
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	19568.00	45.36	45.10	40.76	16.18	65.88	74.00	-8.12	Peak	VERTICAL
2	19568.00	30.46	45.10	40.76	16.18	50.98	54.00	-3.02	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

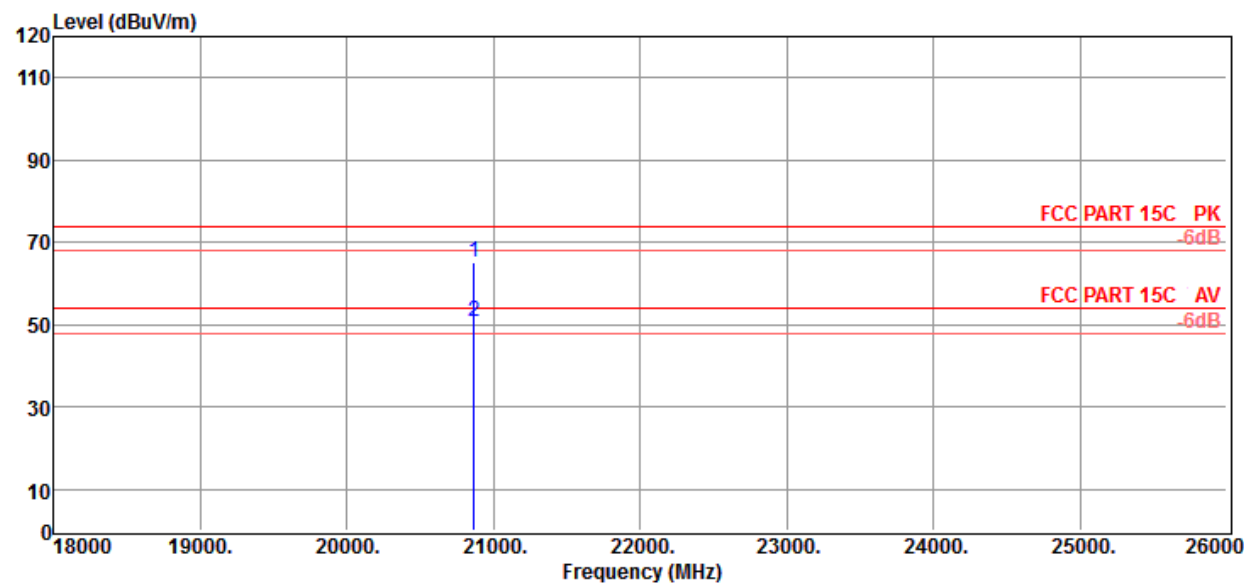
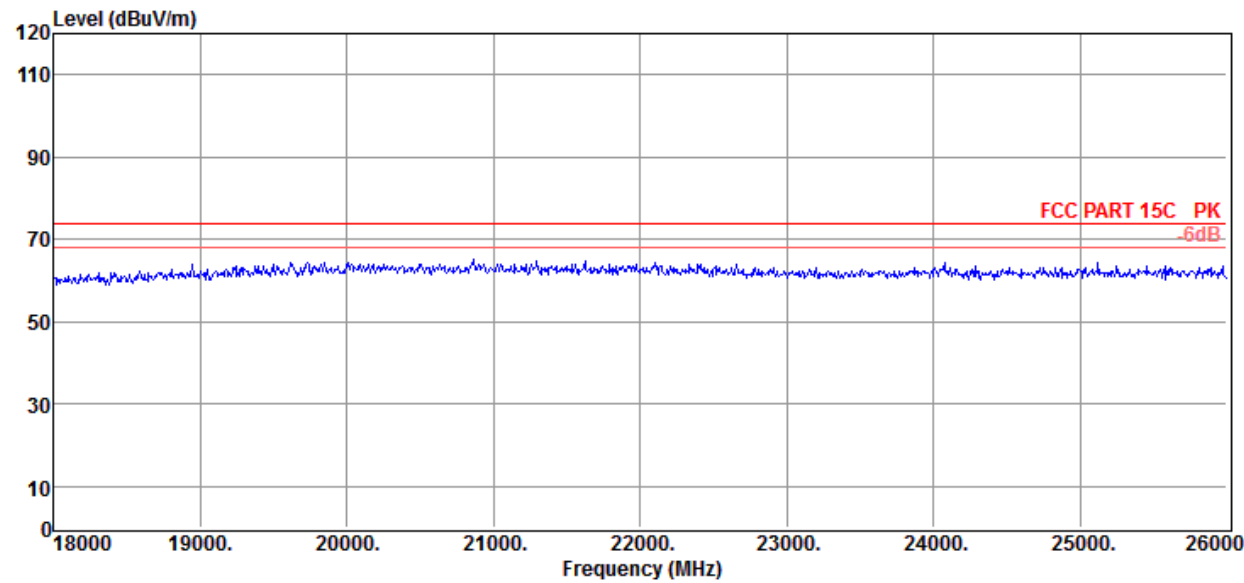
8-DPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21928.00	43.59	45.70	41.41	16.83	64.71	74.00	-9.29	Peak	VERTICAL
2	21928.00	29.25	45.70	41.41	16.83	50.37	54.00	-3.63	Average	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

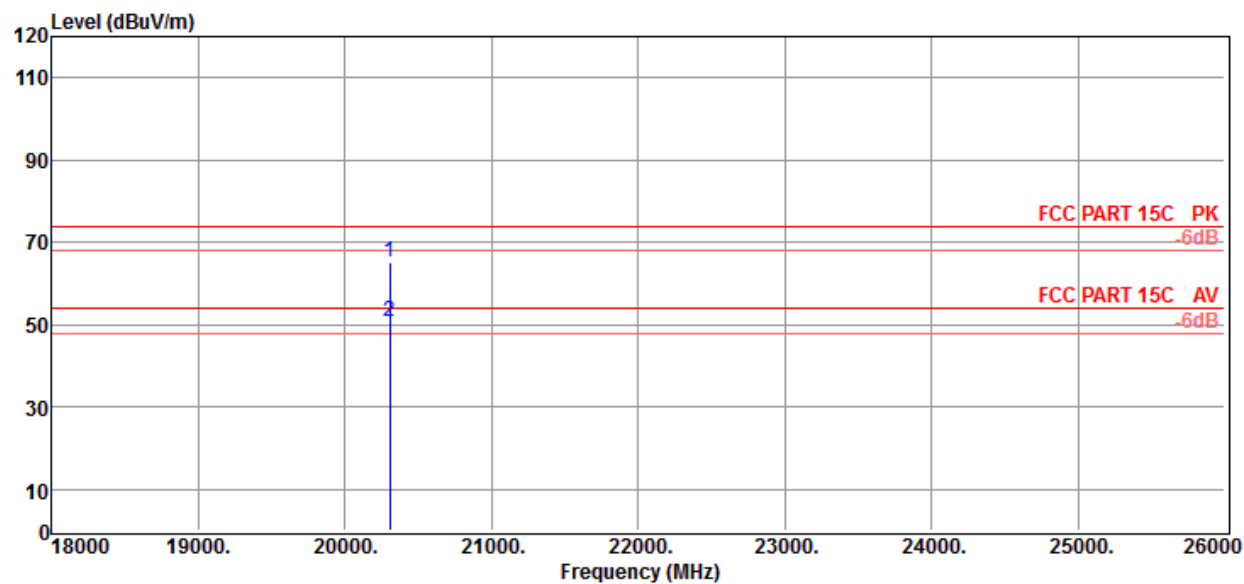
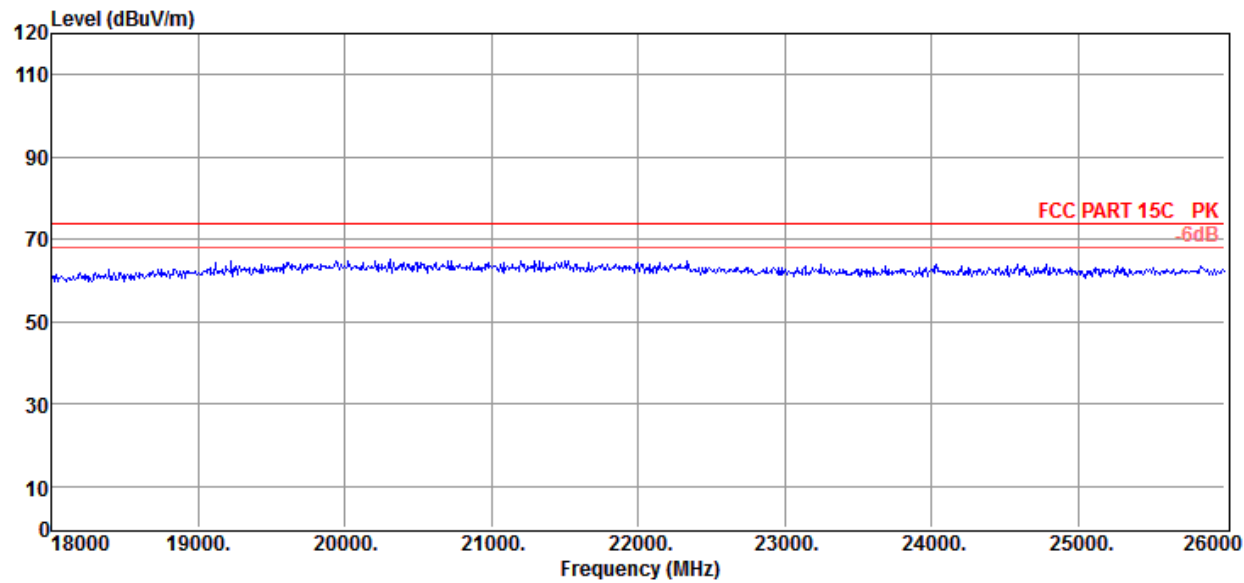
8-DPSK TX 2441MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	20864.00	43.65	45.76	40.83	16.43	65.01	74.00	-8.99	Peak	HORIZONTAL
2	20864.00	29.19	45.76	40.83	16.43	50.55	54.00	-3.45	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

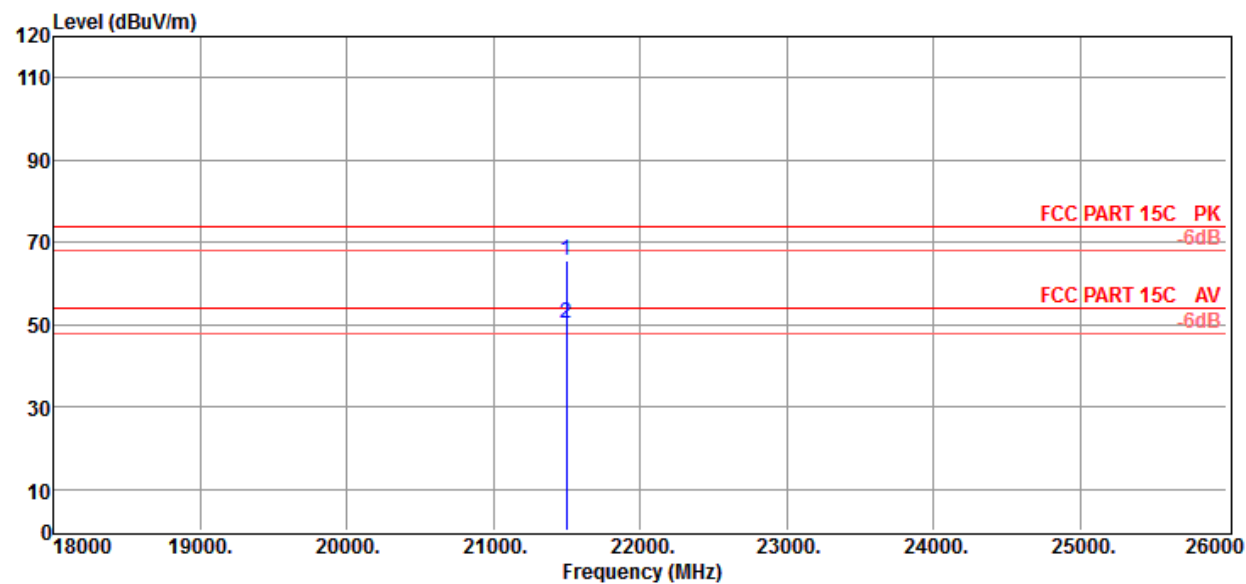
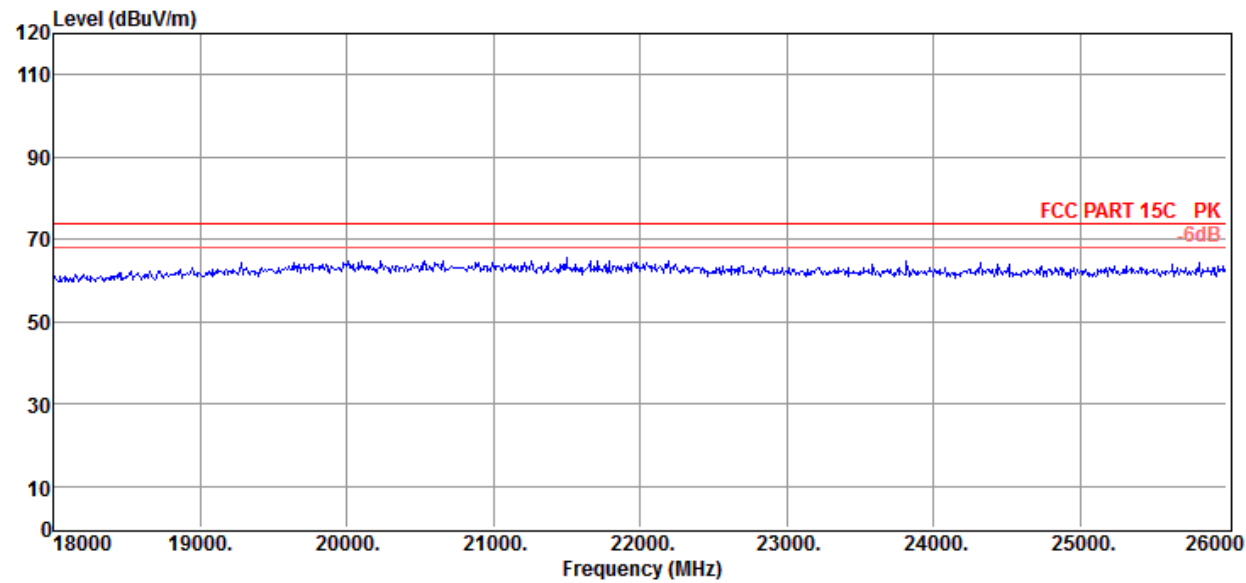
8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	20304.00	43.86	45.42	40.64	16.34	64.98	74.00	-9.02	Peak	HORIZONTAL
2	20304.00	29.48	45.42	40.64	16.34	50.60	54.00	-3.40	Average	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	21496.00	44.22	45.75	41.12	16.59	65.44	74.00	-8.56	Peak	VERTICAL
2	21496.00	29.23	45.75	41.12	16.59	50.45	54.00	-3.55	Average	VERTICAL

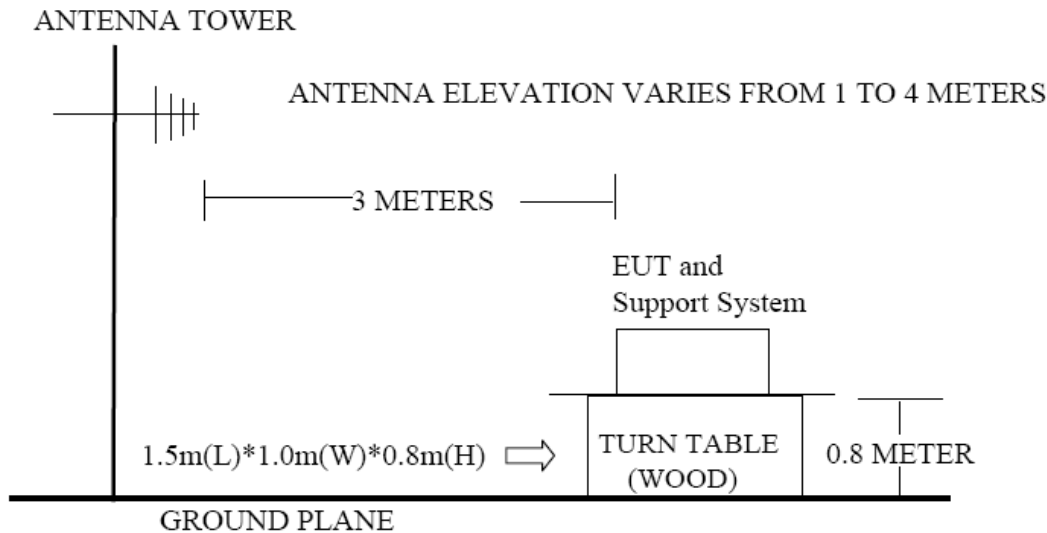
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

9. BAND EDGE COMPLIANCE

9.1. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

9.2. Block Diagram of Test setup



9.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

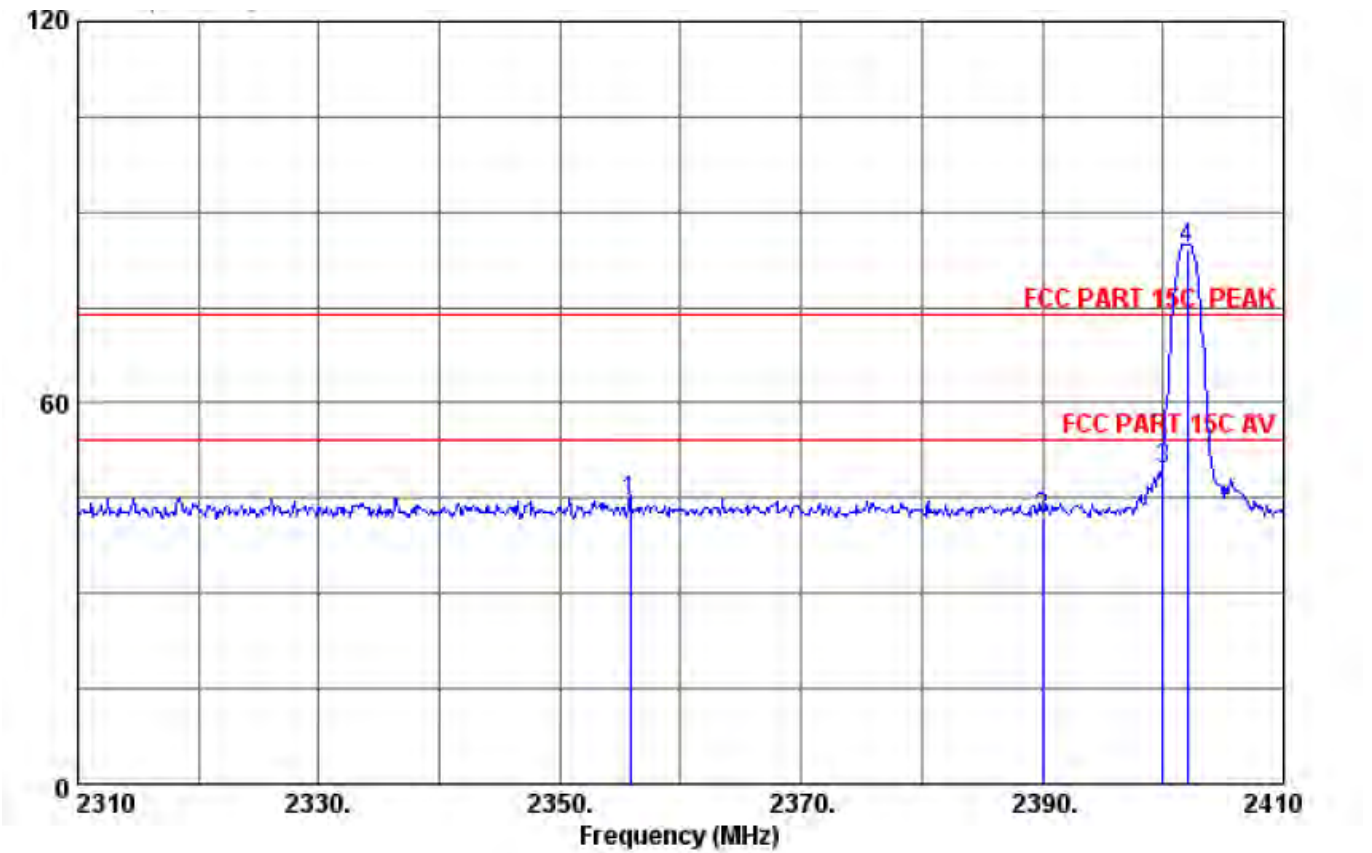
(b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

9.4. Test Result

EUT: Bluetooth speaker	M/N:ST-69BTS
Power:DC 4.2V From Battery	
Test date: 2012-03-08	Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode	
Pass	

9.5. Test Data

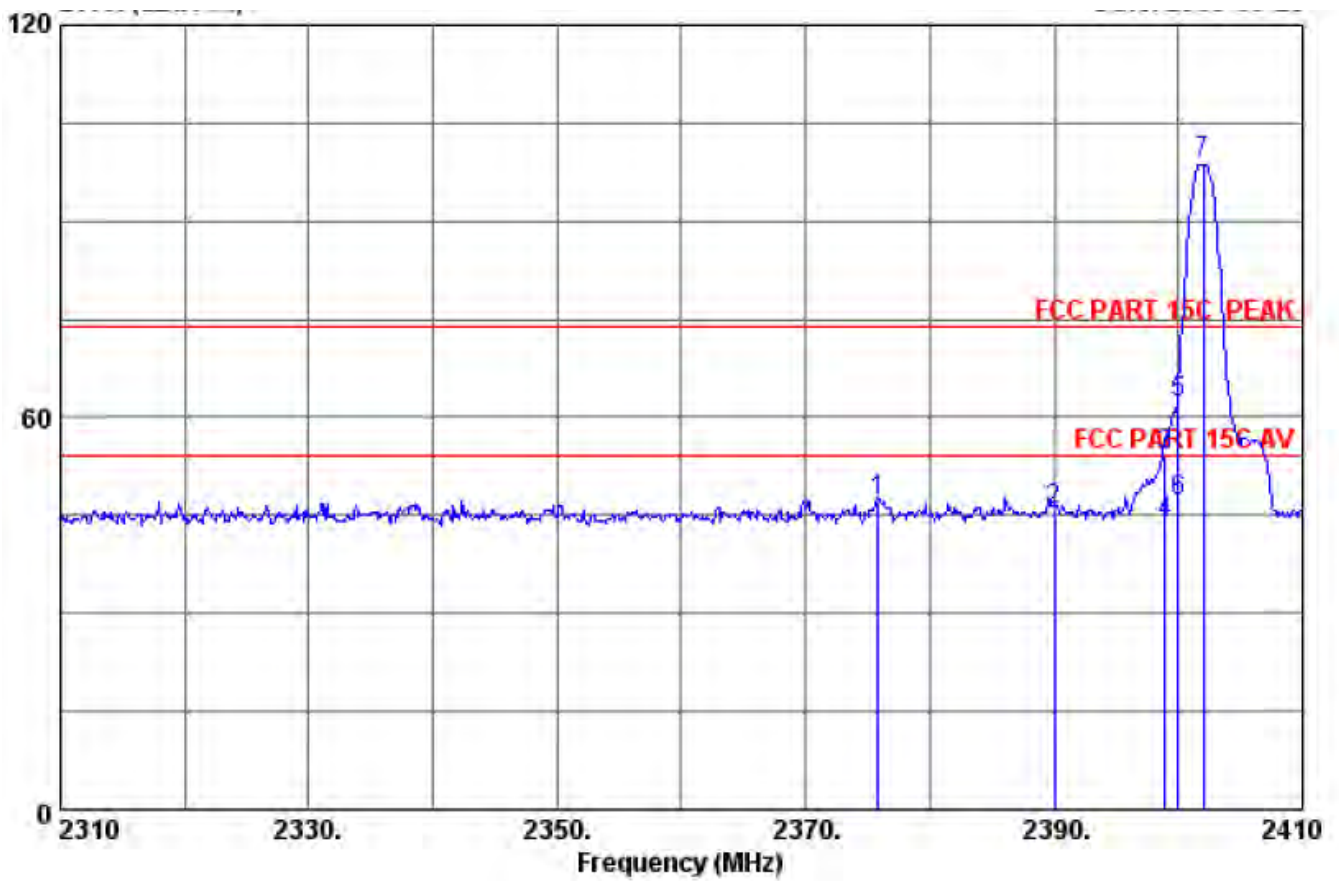
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2355.80	45.40	28.41	35.91	6.69	44.59	74.00	-29.41	Peak	VERTICAL
2	2390.00	42.77	28.46	36.09	6.71	41.85	74.00	-32.15	Peak	VERTICAL
3	2400.00	50.33	28.46	36.09	6.73	49.43	74.00	-24.57	Peak	VERTICAL
4	2402.00	90.81	28.46	36.09	6.73	89.91	74.00	15.91	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

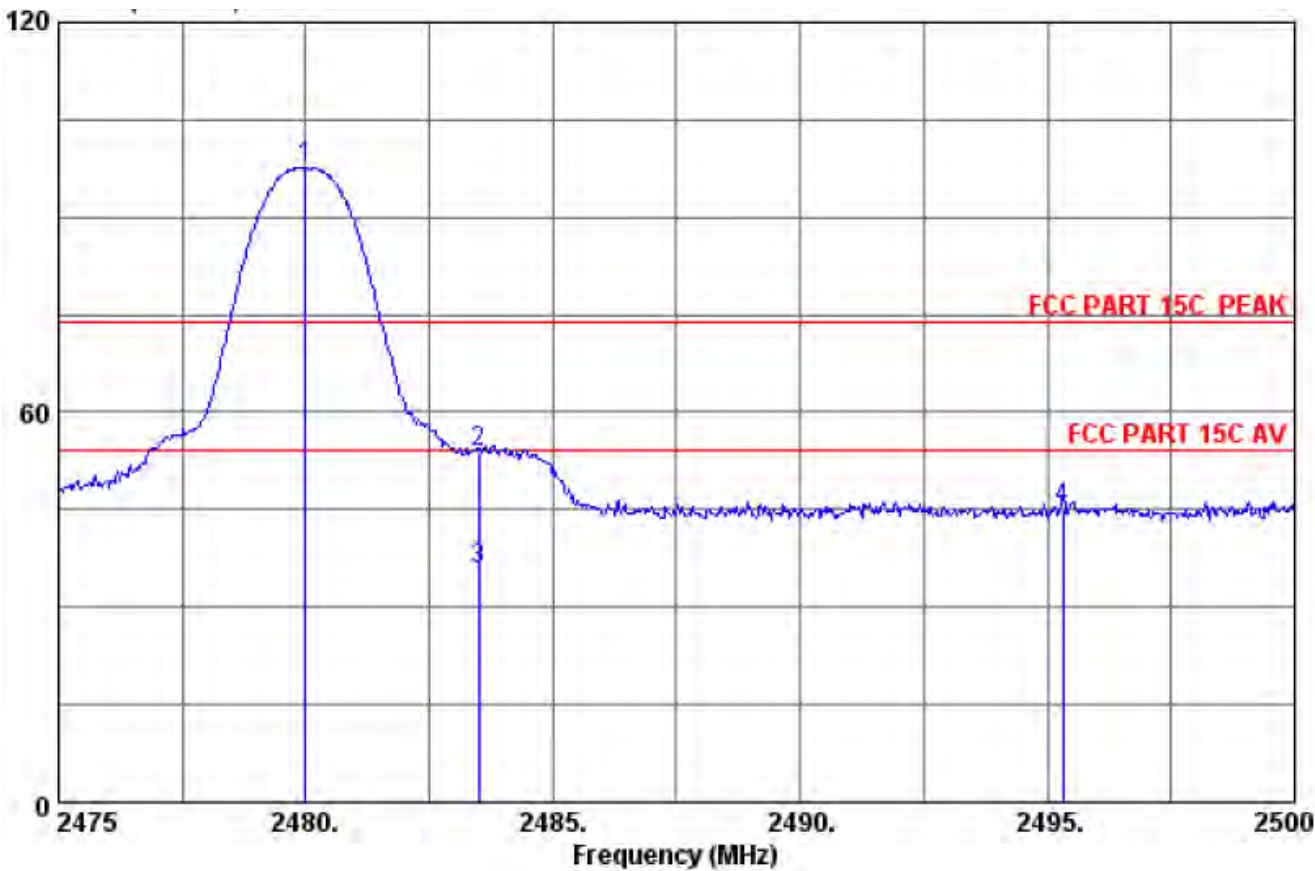
GFSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2375.80	47.87	28.43	36.00	6.71	47.01	74.00	-26.99	Peak	HORIZONTAL
2	2390.00	46.60	28.46	36.09	6.71	45.68	74.00	-28.32	Peak	HORIZONTAL
3	2398.90	55.11	28.46	36.09	6.73	54.21	74.00	-19.79	Peak	HORIZONTAL
4	2398.90	44.73	28.46	36.09	6.73	43.83	54.00	-10.17	Average	HORIZONTAL
5	2400.00	63.18	28.46	36.09	6.73	62.28	74.00	-11.72	Peak	HORIZONTAL
6	2400.00	48.00	28.46	36.09	6.73	47.10	54.00	-6.90	Average	HORIZONTAL
7	2402.00	99.73	28.46	36.09	6.73	98.83	74.00	24.83	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

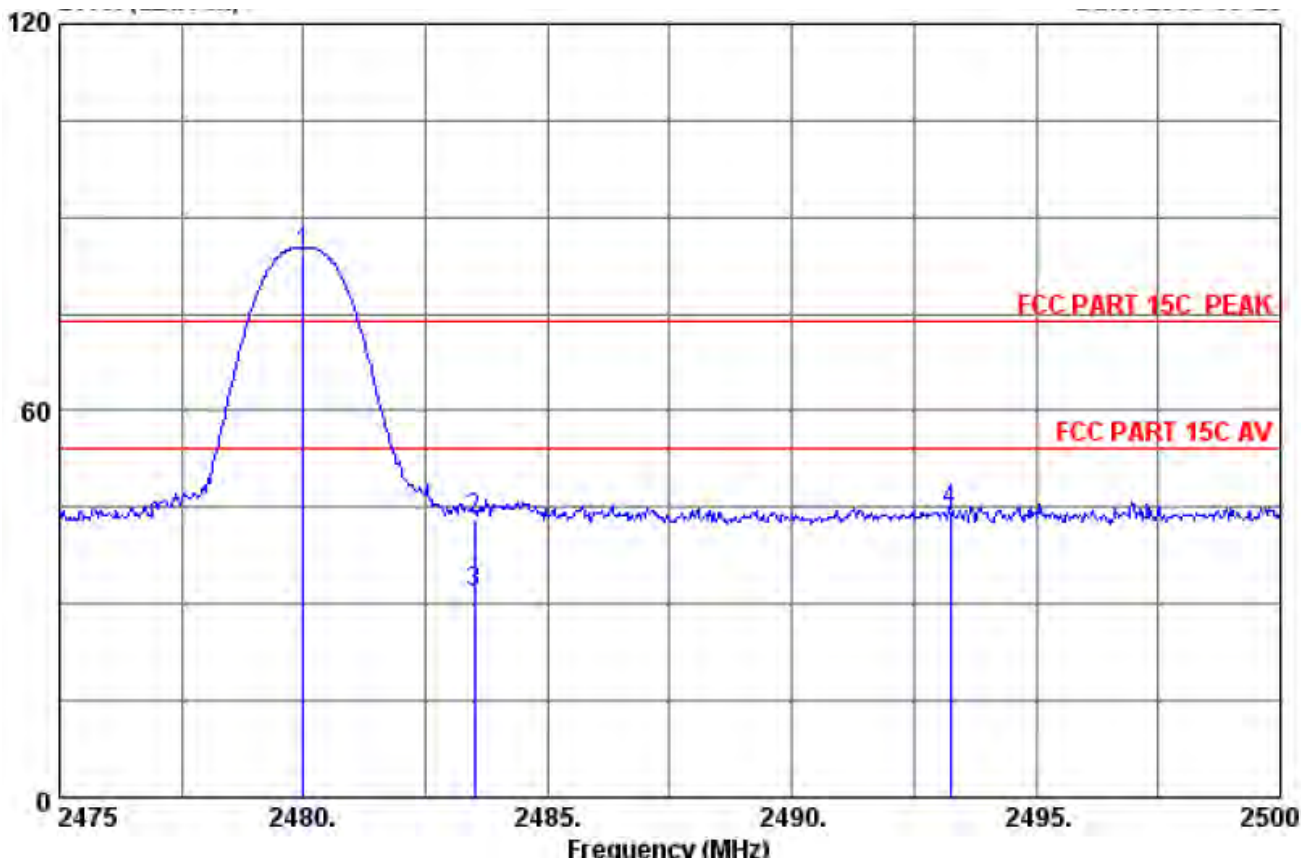
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.00	98.18	28.58	35.97	6.87	97.66	74.00	23.66	Peak	HORIZONTAL
2	2483.50	54.29	28.58	35.97	6.87	53.77	74.00	-20.23	Peak	HORIZONTAL
3	2483.50	36.27	28.58	35.97	6.87	35.75	54.00	-18.25	Average	HORIZONTAL
4	2495.32	45.73	28.60	36.00	6.91	45.24	74.00	-28.76	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

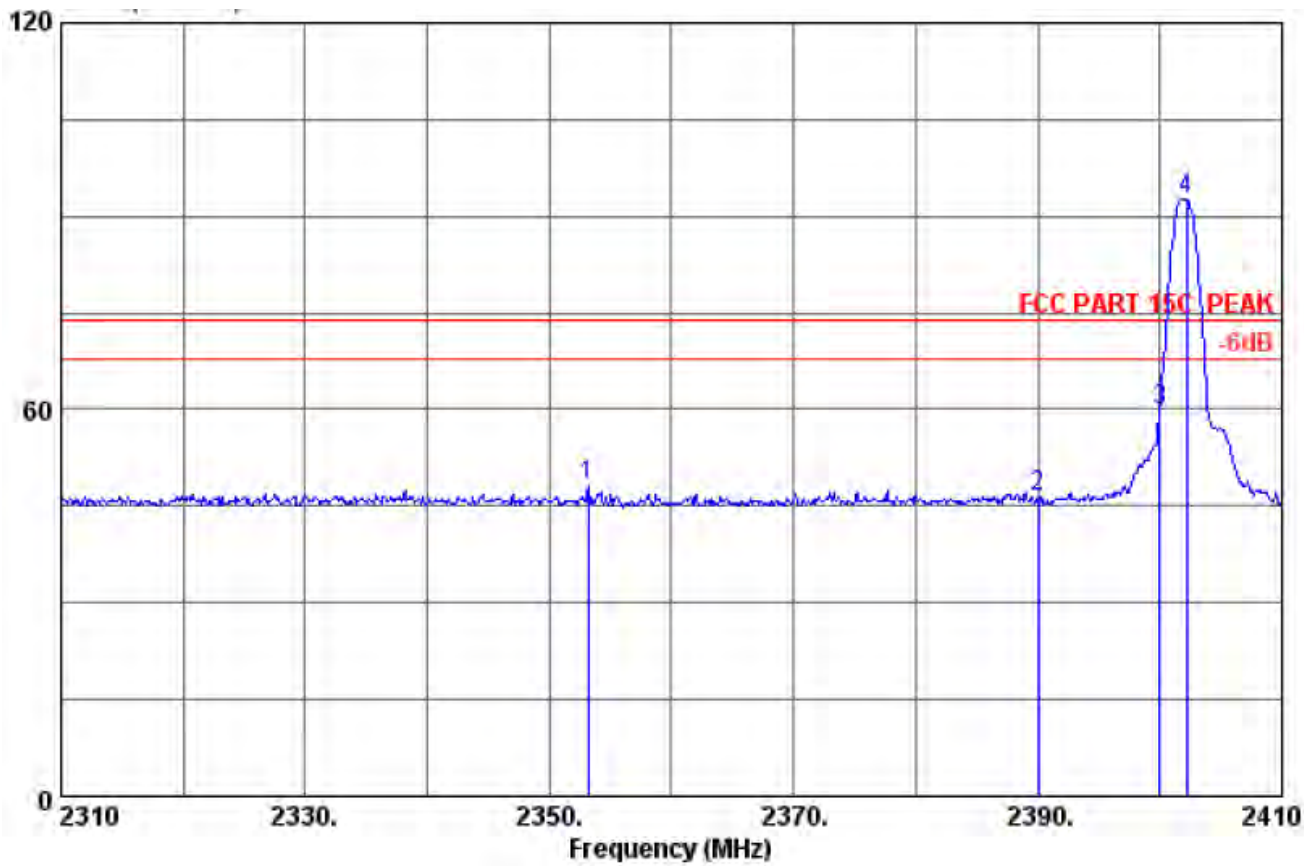
GFSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.00	88.92	28.58	35.97	6.87	88.40	74.00	14.40	Peak	VERTICAL
2	2483.50	43.78	28.58	35.97	6.87	43.26	74.00	-30.74	Peak	VERTICAL
3	2483.50	32.30	28.58	35.97	6.87	31.78	54.00	-22.22	Average	VERTICAL
4	2493.25	44.95	28.60	36.00	6.91	44.46	74.00	-29.54	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

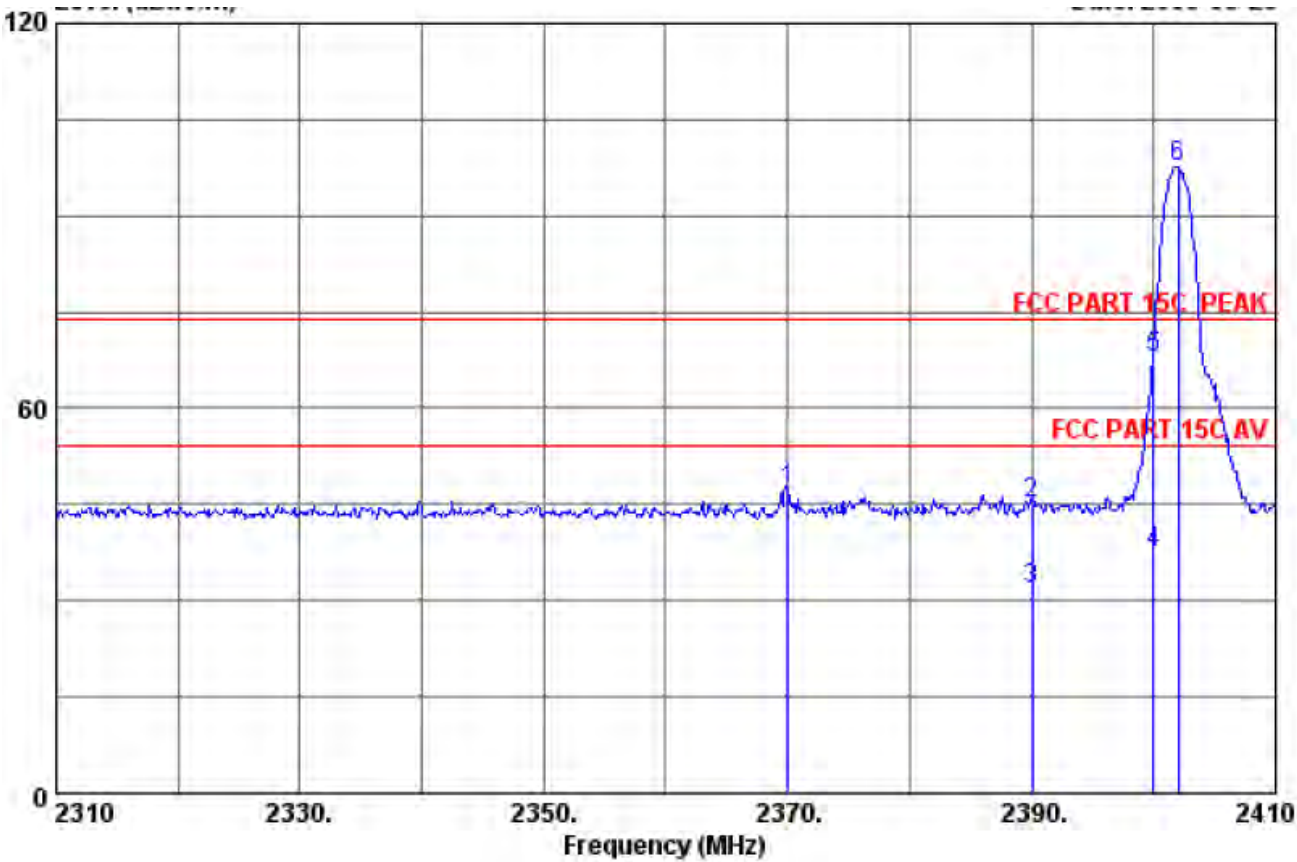
$\pi/4$ -DQPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2355.80	47.96	28.41	35.91	6.69	48.06	74.00	-25.94	Peak	VERTICAL
2	2390.00	46.18	28.46	36.09	6.71	46.39	74.00	-27.61	Peak	VERTICAL
3	2400.00	59.81	28.46	36.09	6.73	59.81	74.00	-14.19	Peak	VERTICAL
4	2402.00	92.59	28.46	36.09	6.73	92.59	74.00	18.59	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

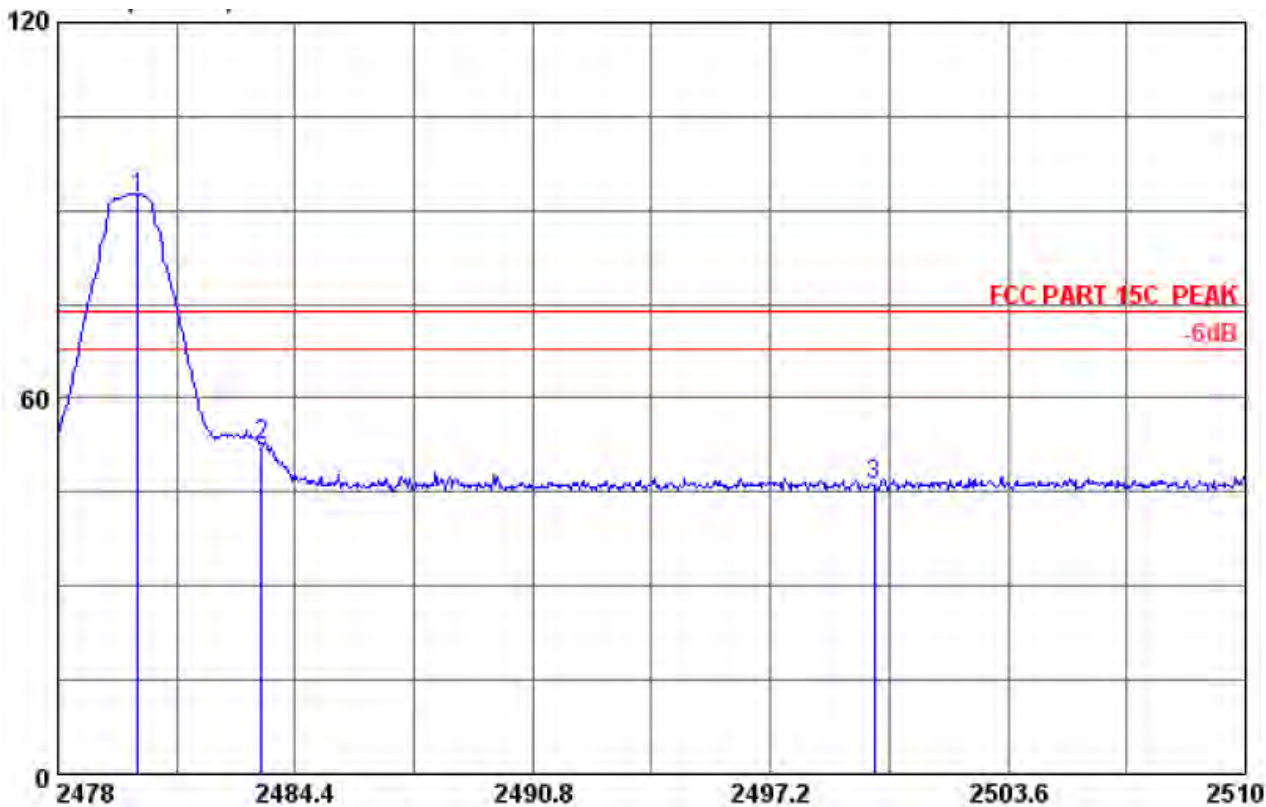
$\pi/4$ -DQPSK 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2370.00	47.91	28.43	36.00	6.71	47.03	74.00	-26.97	Peak	HORIZONTAL
2	2390.00	46.14	28.46	36.09	6.70	45.22	74.00	-28.78	Peak	HORIZONTAL
3	2390.00	31.69	28.46	36.09	6.73	31.77	54.00	-22.23	Average	HORIZONTAL
4	2400.00	38.20	28.46	36.09	6.73	37.30	54.00	-16.70	Average	HORIZONTAL
5	2400.00	68.75	28.46	36.09	6.73	67.75	74.00	-6.25	Peak	HORIZONTAL
6	2402.00	97.66	28.46	36.09	6.73	97.66	74.00	23.66	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

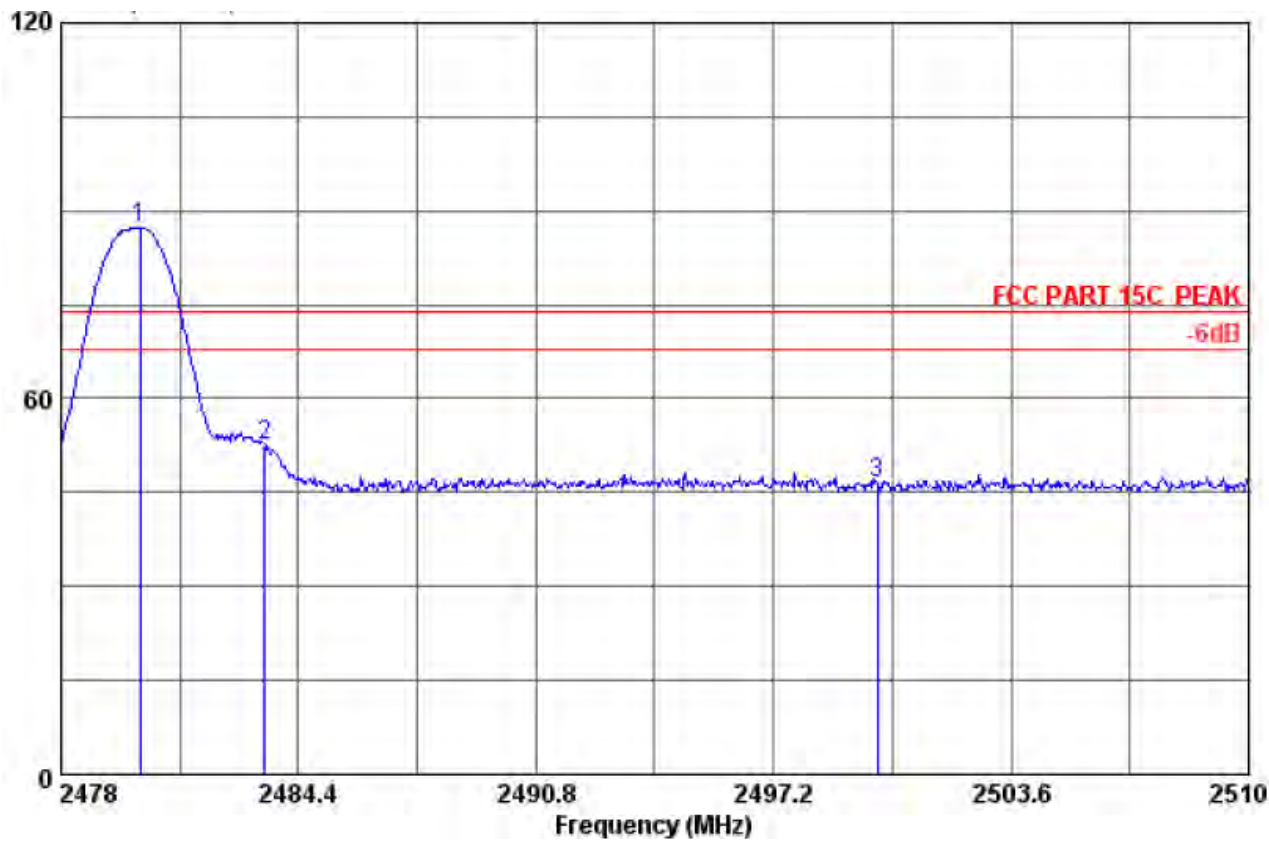
$\pi/4$ -DQPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.14	95.85	28.58	35.97	6.87	95.33	74.00	21.33	Peak	HORIZONTAL
2	2483.50	52.78	28.58	35.97	6.87	52.56	74.00	-21.44	Peak	HORIZONTAL
3	2500.00	46.57	28.60	36.00	6.91	46.08	74.00	-28.92	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

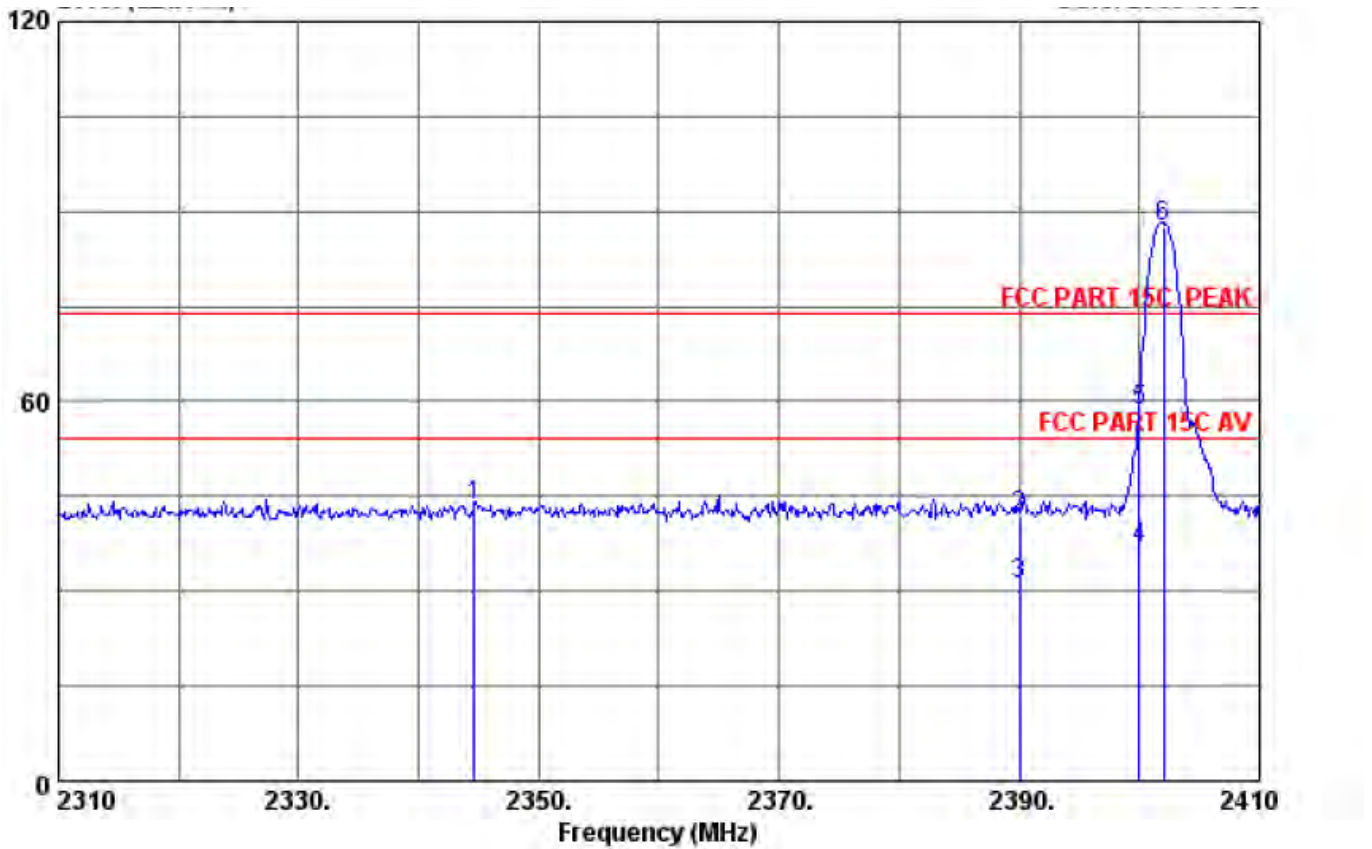
$\pi/4$ -DQPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.14	88.48	28.58	35.97	6.87	87.96	74.00	13.96	Peak	VERTICAL
2	2483.50	52.96	28.58	35.97	6.87	52.44	74.00	-21.56	Peak	VERTICAL
3	2500.00	47.10	28.60	36.00	6.91	46.61	74.00	-27.39	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

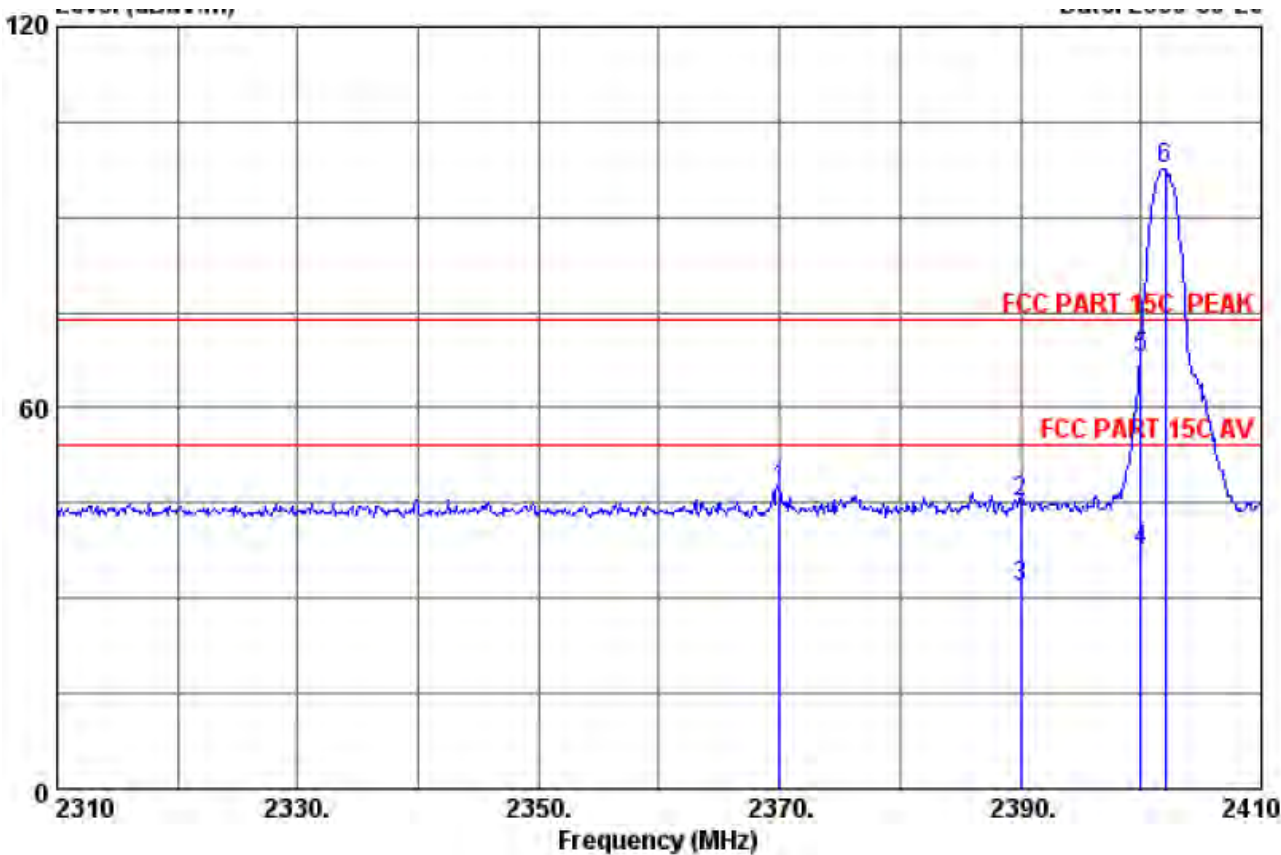
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2344.00	44.35	28.38	35.99	6.67	43.41	74.00	-30.59	Peak	VERTICAL
2	2390.00	42.66	28.46	36.09	6.70	41.74	74.00	-32.26	Peak	VERTICAL
3	2390.00	32.01	28.46	36.09	6.73	31.09	54.00	-22.91	Average	VERTICAL
4	2400.00	37.69	28.46	36.09	6.73	36.79	54.00	-17.21	Average	VERTICAL
5	2400.00	59.54	28.46	36.09	6.73	58.64	74.00	-15.36	Peak	VERTICAL
6	2402.00	88.34	28.46	36.09	6.73	87.44	74.00	13.44	Peak	VERTICAL

- Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

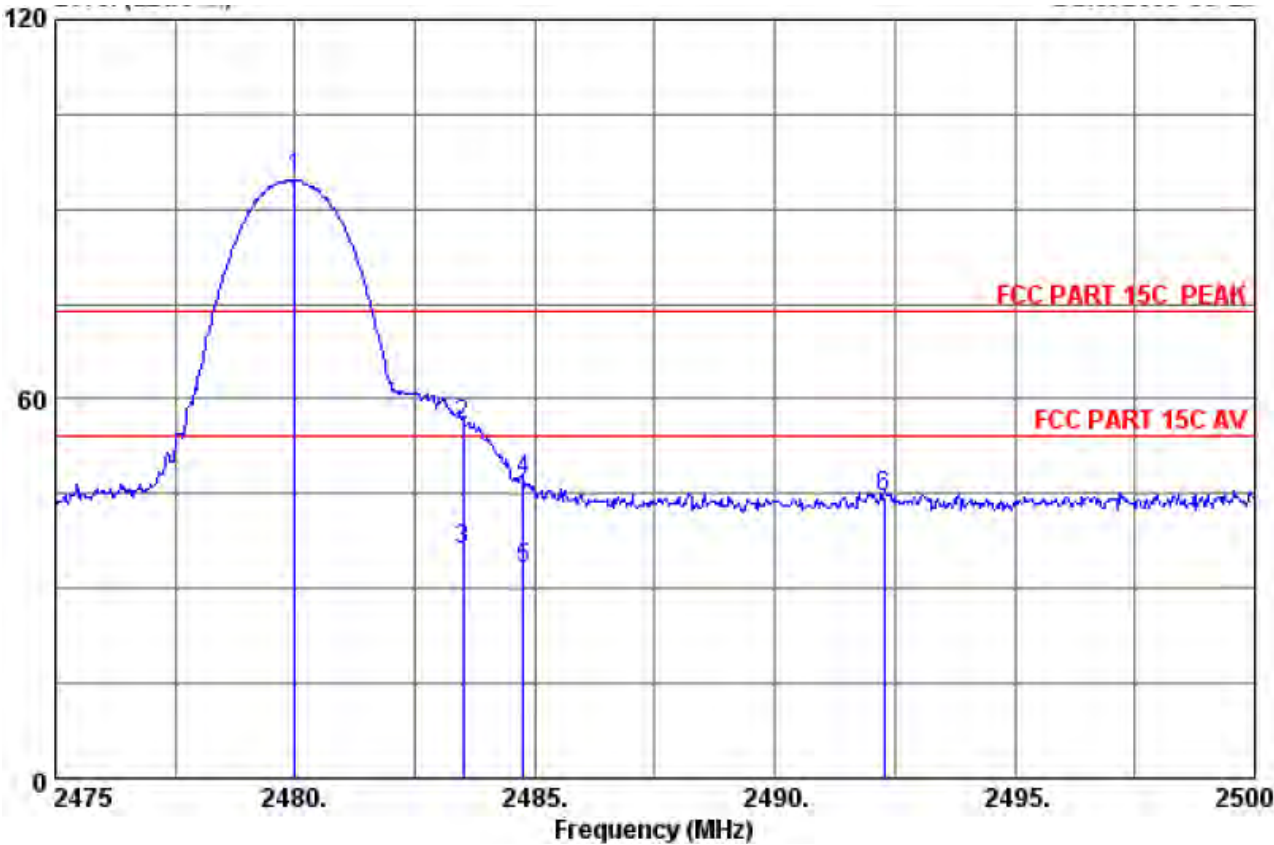
8-DPSK TX 2402MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2370.00	47.91	28.43	36.00	6.69	47.03	74.00	-26.97	Peak	HORIZONTALA
2	2390.00	46.14	28.46	36.09	6.70	45.22	74.00	-28.78	Peak	HORIZONTALA
3	2390.00	32.69	28.46	36.09	6.73	31.77	54.00	-22.23	Average	HORIZONTALA
4	2400.00	38.20	28.46	36.09	6.73	37.30	54.00	-16.70	Average	HORIZONTALA
5	2400.00	68.65	28.46	36.09	6.73	67.75	74.00	-6.25	Peak	HORIZONTALA
6	2402.00	98.56	28.46	36.09	6.73	97.66	74.00	-23.66	Peak	HORIZONTALA

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

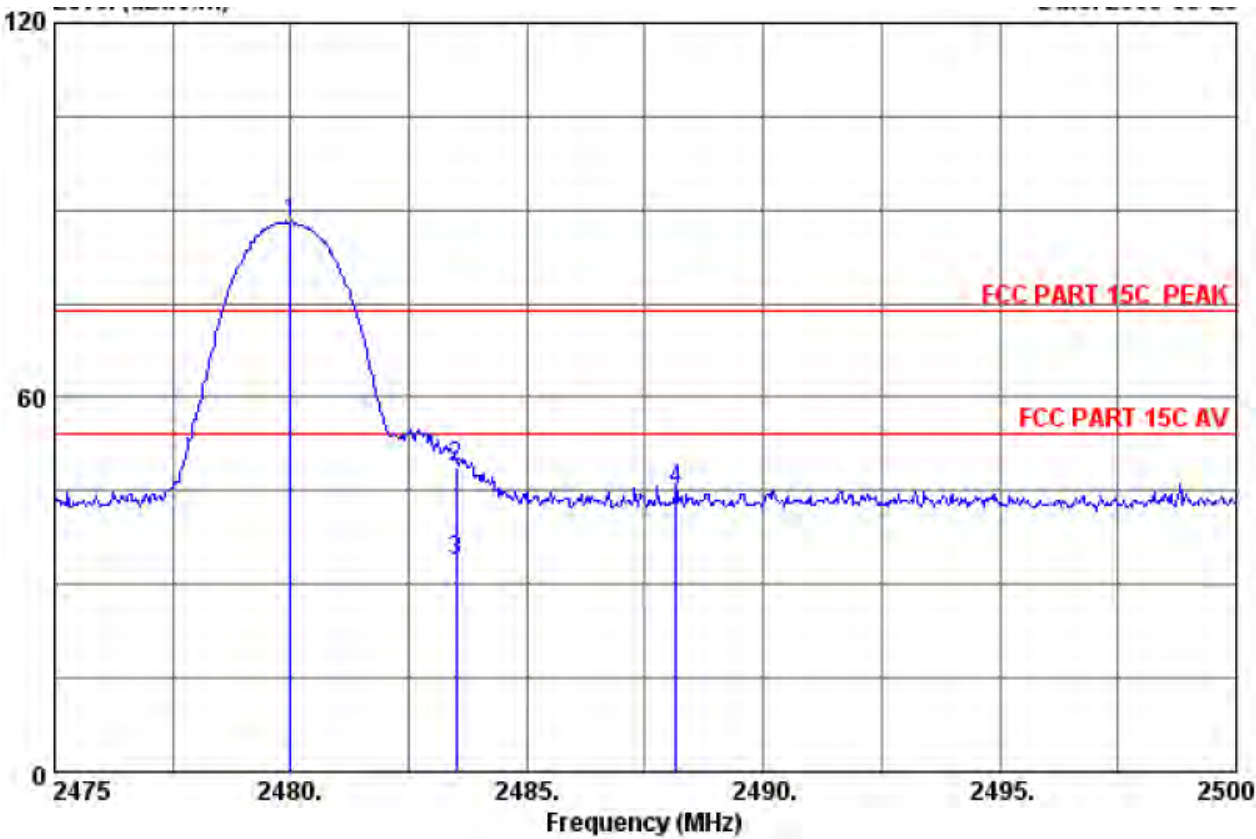
8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.00	95.31	28.58	35.97	6.87	94.79	74.00	20.79	Peak	HORIZONTAL
2	2483.50	56.49	28.58	35.97	6.87	55.97	74.00	-18.03	Peak	HORIZONTAL
3	2483.50	36.46	28.58	35.97	6.87	35.94	54.00	-18.06	Average	HORIZONTAL
4	2484.75	47.68	28.58	35.97	6.87	47.16	74.00	-26.84	Peak	HORIZONTAL
5	2484.75	33.56	28.58	35.97	6.87	33.04	54.00	-20.96	Average	HORIZONTAL
6	2492.27	44.95	28.60	36.00	6.91	44.46	74.00	-29.54	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

8-DPSK TX 2480MHz



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2480.00	88.54	28.58	35.97	6.87	88.02	74.00	14.02	Peak	VERTICAL
2	2483.50	49.31	28.58	35.97	6.87	48.79	74.00	-25.21	Peak	VERTICAL
3	2483.50	34.36	28.58	35.97	6.87	33.84	54.00	-20.16	Average	VERTICAL
4	2488.15	45.77	28.60	36.00	6.91	45.24	74.00	-28.76	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor
2. If Peak Result comply with AV limit, AV Result is deemed to comply with AV limit

10. ANTENNA REQUIREMENTS

10.1. Limit

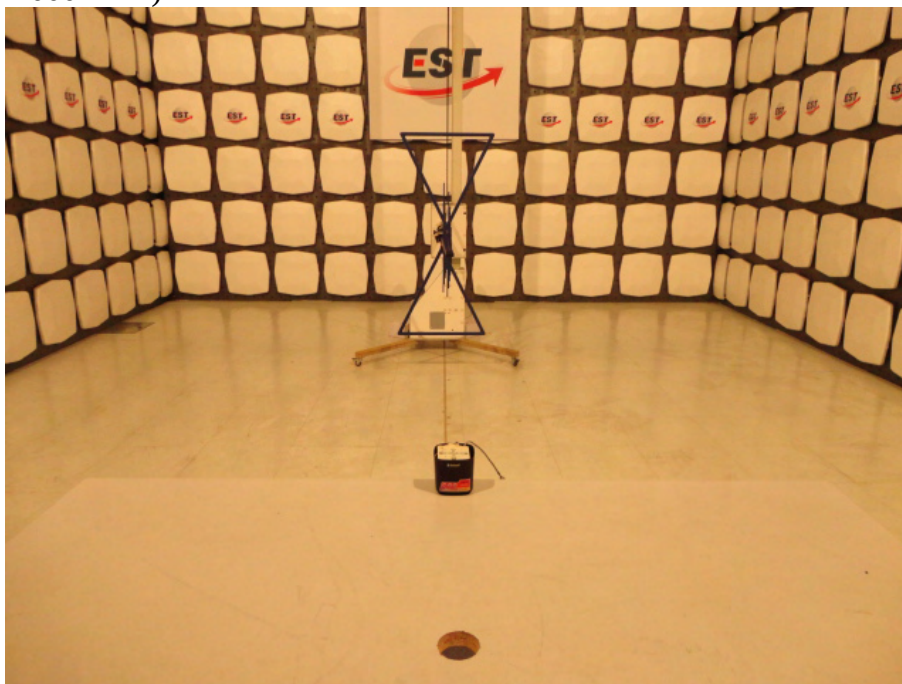
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Result

The antennas used for this product are integral Patch Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0dBi.

11. TEST SETUP PHOTO

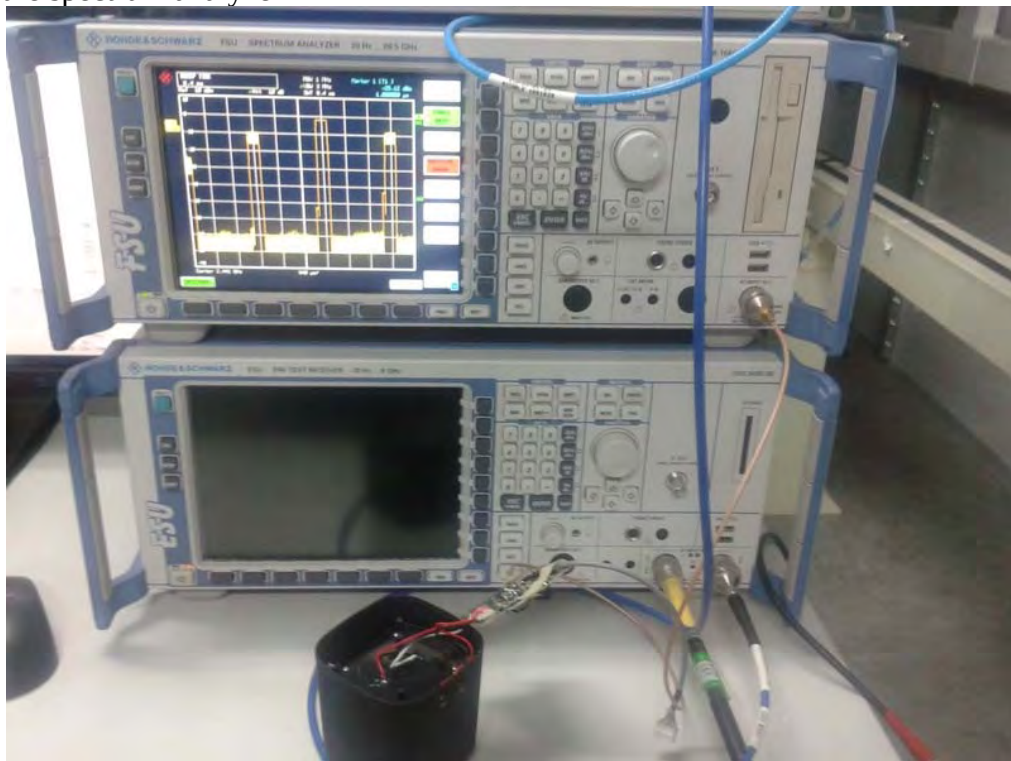
Radiated Test (30-1000 MHz)



Radiated Test (1000-26000 MHz)

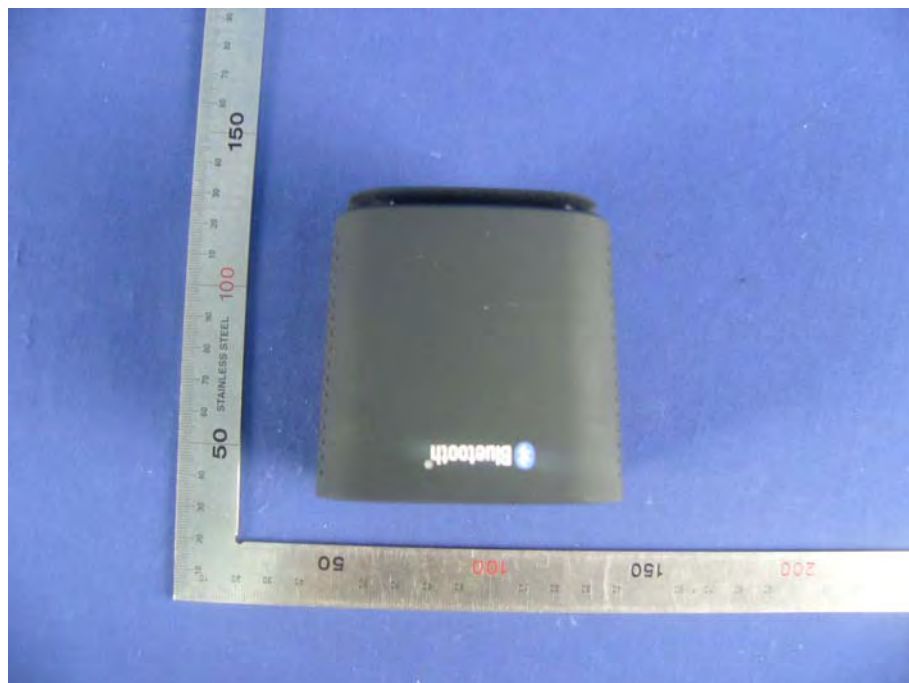


connected to the spectrum analyzer

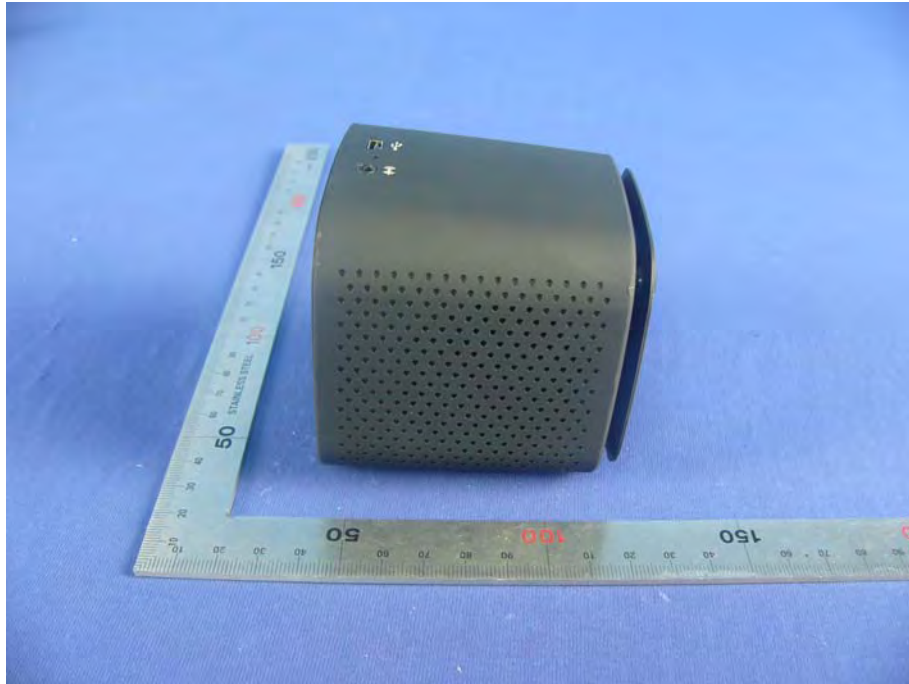


12. PHOTOS OF EUT

External Photos



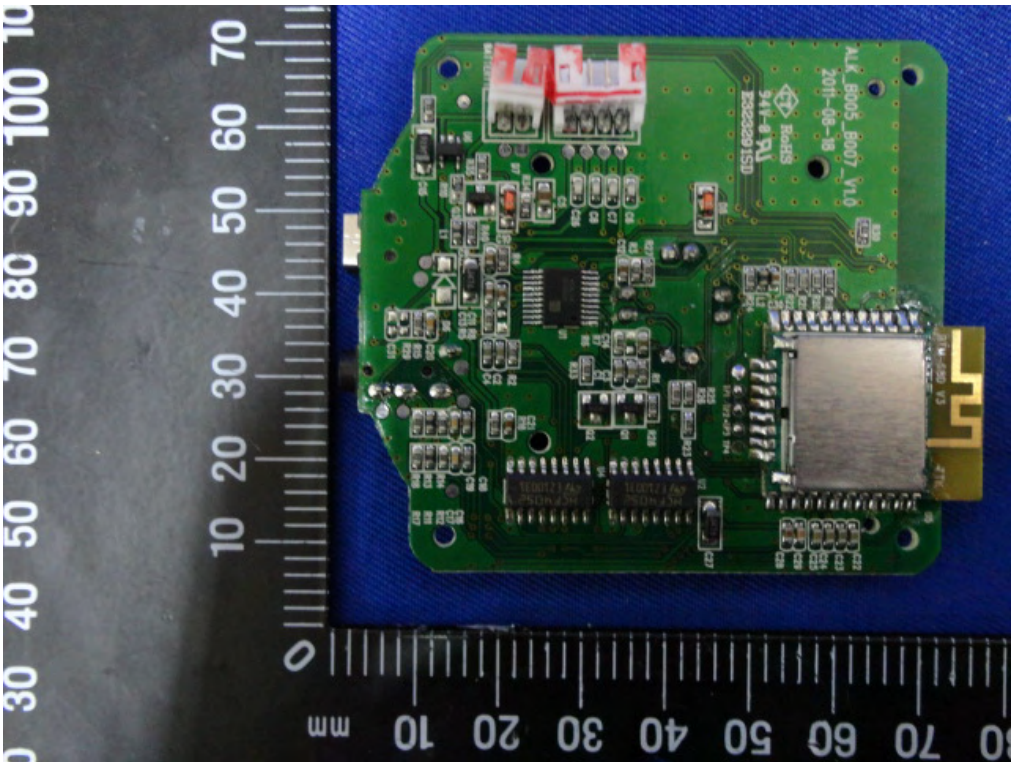
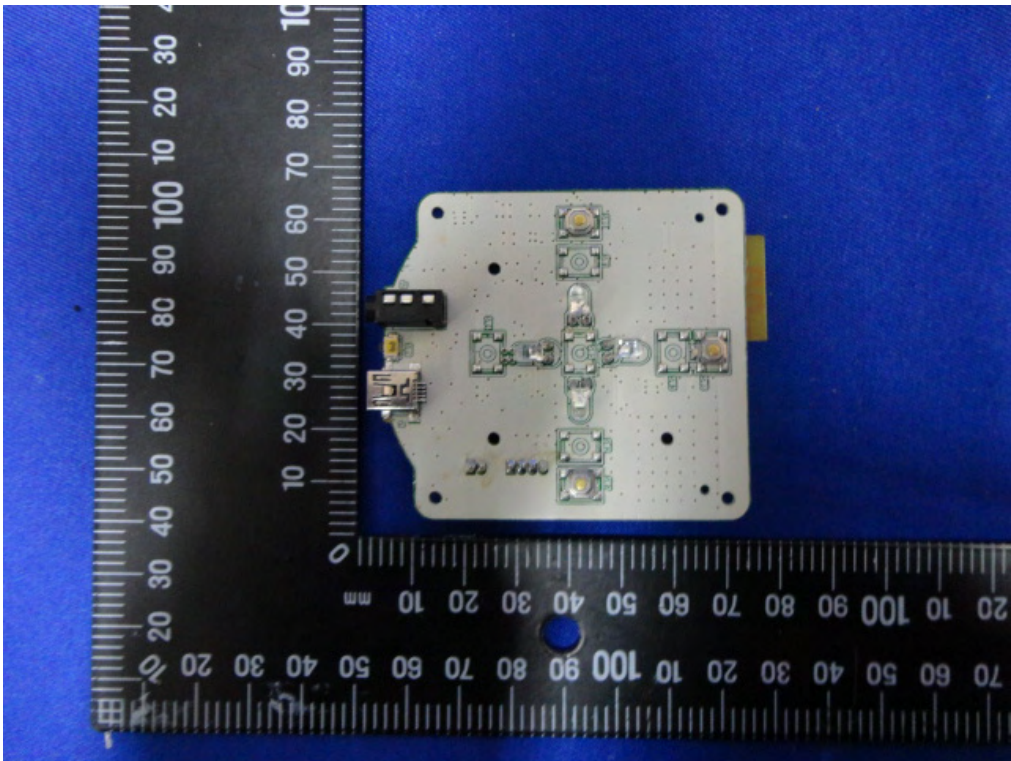
External Photos



External Photos



Internal Photos



Internal Photos

