

ANNEX A TEST RESULT

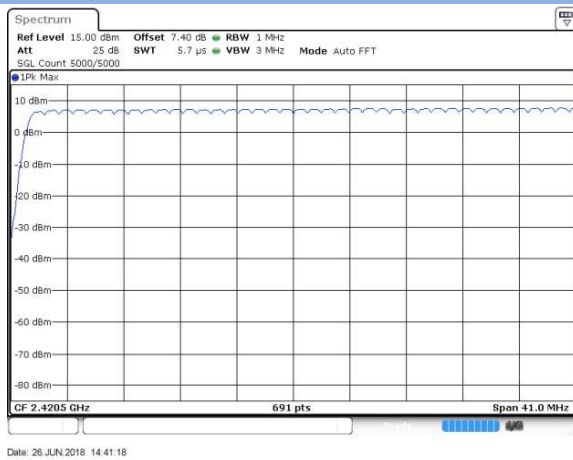
A.1 Number of Hopping Frequency

Test Data

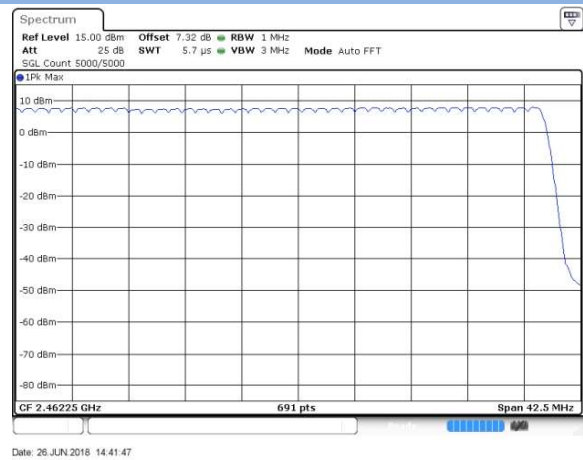
Test Mode	Frequency Block (MHz)	Measured Channel Numbers	Min. Limit	Verdict
GFSK	2400 - 2483.5	79	15	Pass
8-DPSK	2400 - 2483.5	79	15	Pass

Test plots

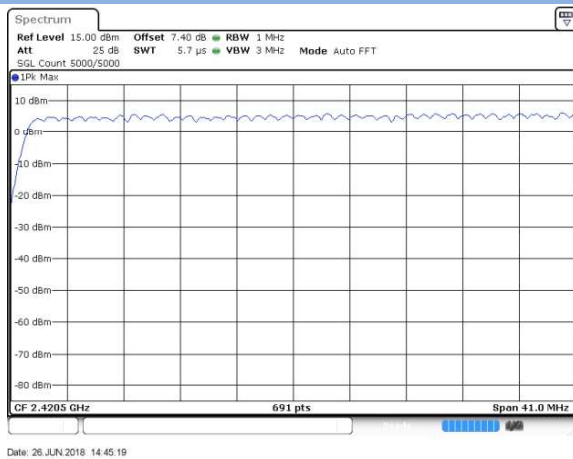
GFSK 2.4 GHz ~ 2.4415 GHz



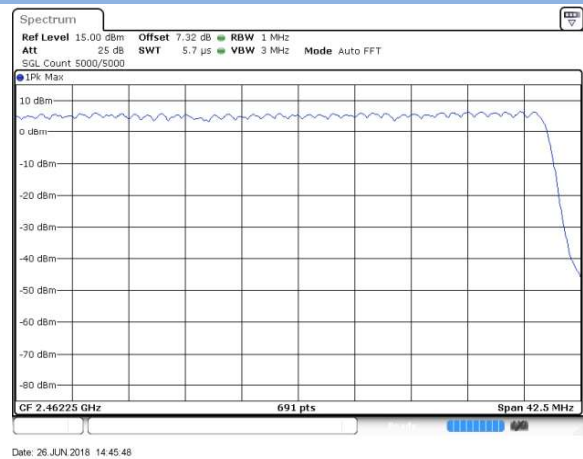
GFSK 2.4415 GHz ~ 2.4835 GHz



8-DPSK 2.4 GHz ~ 2.4415 GHz



8-DPSK 2.4415 GHz ~ 2.4835 GHz



A.2 Peak Output Power and E.I.R.P

Peak Power Test Data

Channel	Measured Output Peak Power		Limit		Verdict
	GFSK		dBm	mW	
	dBm	mW			
Low	6.97	4.98	30	1000	Pass
Middle	7.84	6.08			Pass
High	7.89	6.15			Pass

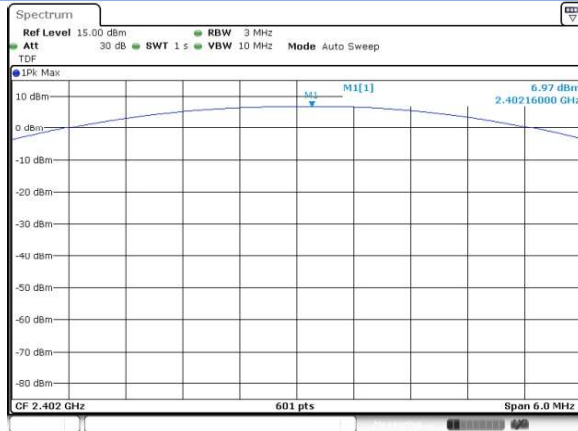
Channel	Measured Output Peak Power				Limit		Verdict
	π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW			
Low	5.31	3.40	5.72	3.73	21	125	Pass
Middle	6.57	4.54	6.88	4.88			Pass
High	6.82	4.81	7.09	5.12			Pass

E.I.R.P Test Data (For ISED)

Channel	E.I.R.P						Limit		Verdict
	GFSK		π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	9.39	8.69	7.73	5.93	8.14	6.52	36	4000	Pass
Middle	10.26	10.62	8.99	7.93	9.3	8.51			Pass
High	10.31	10.74	9.24	8.39	9.51	8.93			Pass

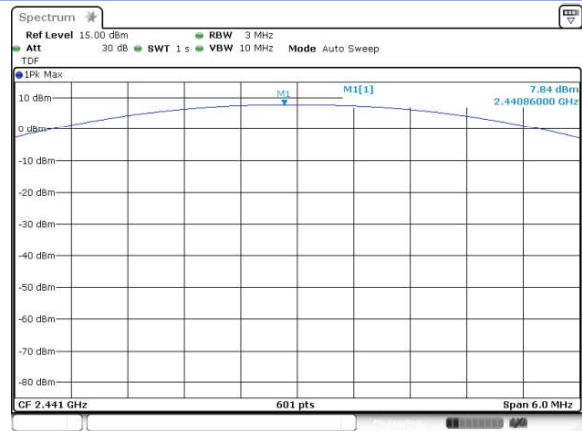
Test plots

GFSK LOW CHANNEL



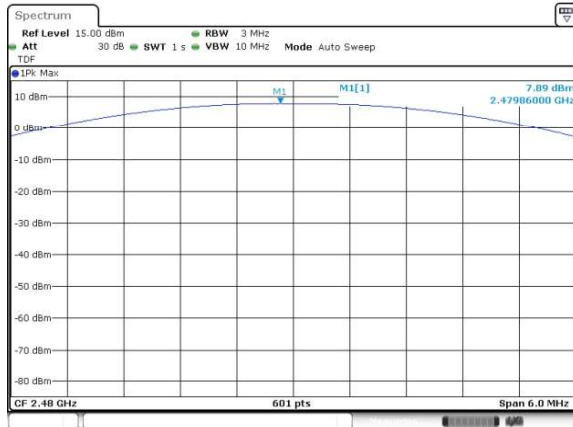
Date: 26 JUN 2018 14:20:13

GFSK MIDDLE CHANNEL



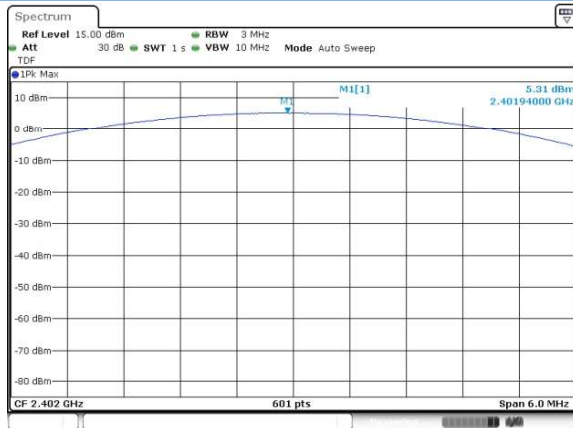
Date: 26 JUN 2018 14:23:54

GFSK HIGH CHANNEL



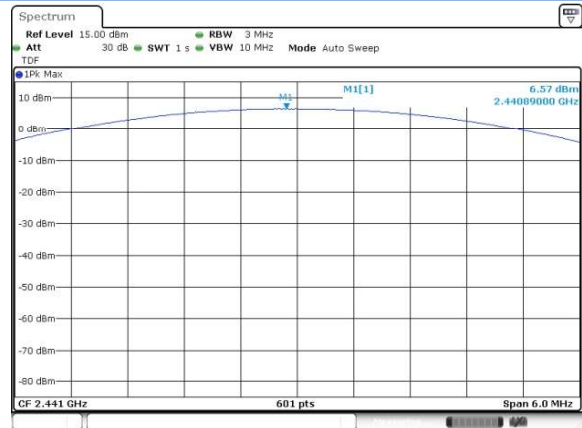
Date: 28 JUN 2018 14:26:44

II/4-DQPSK LOW CHANNEL



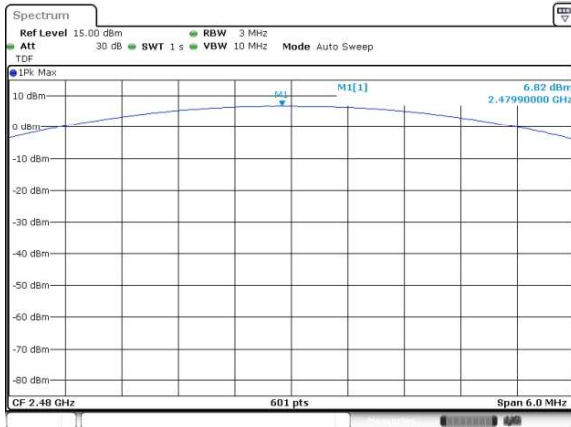
Date: 26 JUN 2018 14:30:07

II/4-DQPSK MIDDLE CHANNEL



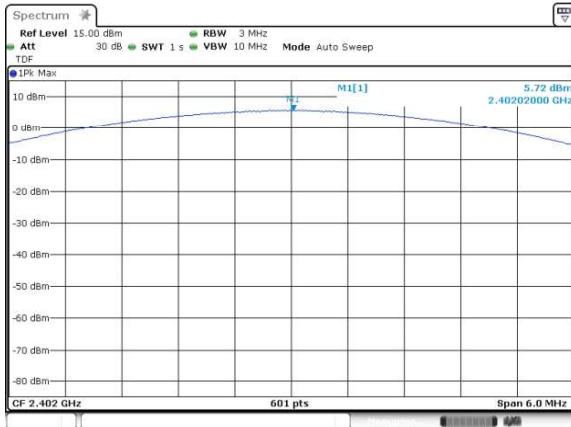
Date: 26 JUN 2018 14:30:18

Π/4-DQPSK HIGH CHANNEL



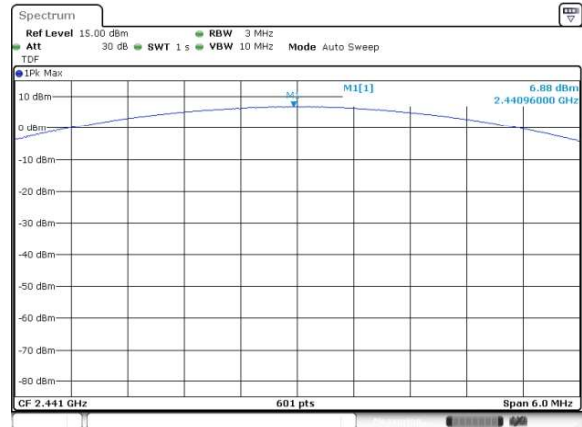
Date: 26 JUN 2018 14:30:28

8-DPSK LOW CHANNEL



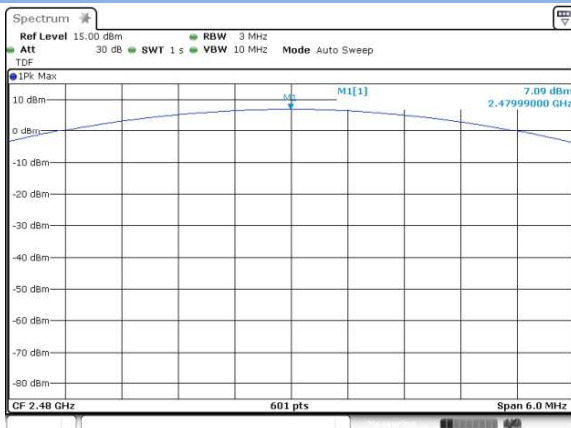
Date: 26 JUN 2018 14:30:50

8-DPSK MIDDLE CHANNEL



Date: 26 JUN 2018 14:34:11

8-DPSK HIGH CHANNEL



Date: 26 JUN 2018 14:37:06

A.3 20 dB and 99% bandwidth

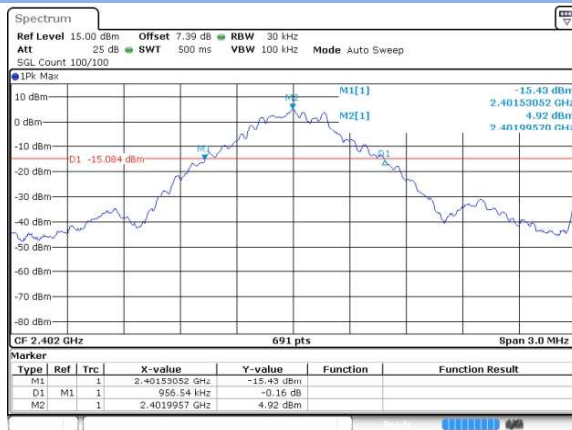
Test Data

GFSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	0.956543	0.881331
Middle	0.952148	0.87699
High	0.952148	0.87699
8-DPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.273926	1.180897
Middle	1.269531	1.185239
High	1.27832	1.18958

Test plots

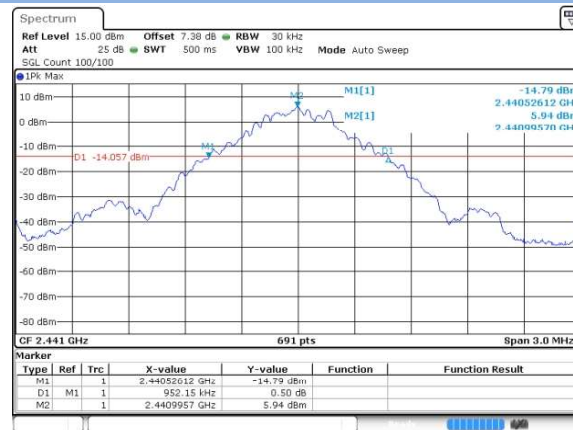
20 dB Bandwidth

GFSK LOW CHANNEL



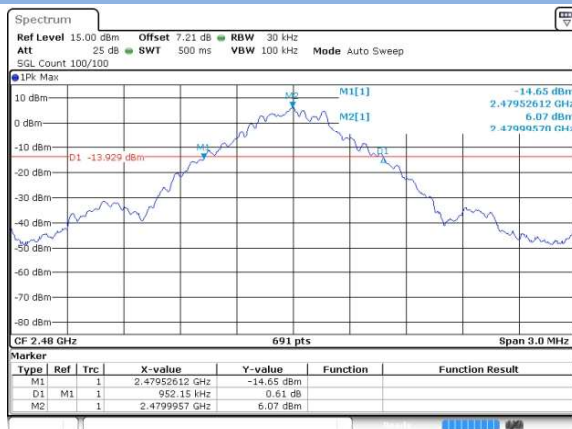
Date: 26 JUN 2018 14:21:10

GFSK MIDDLE CHANNEL



Date: 26 JUN 2018 14:24:51

GFSK HIGH CHANNEL



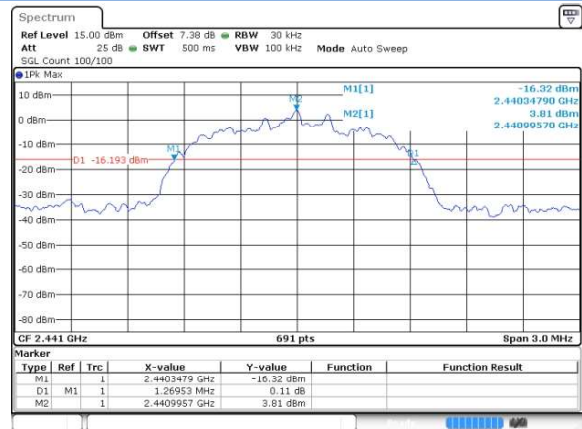
Date: 26 JUN 2018 14:27:41

8-DPSK LOW CHANNEL



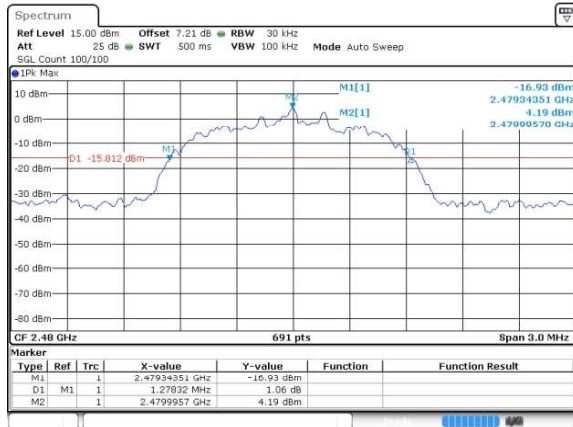
Date: 26 JUN 2018 14:31:47

8-DPSK MIDDLE CHANNEL



Date: 26 JUN 2018 14:35:08

8-DPSK HIGH CHANNEL



Date: 26 JUN 2018 14:38:02

99% Bandwidth

GFSK LOW CHANNEL



Date: 26 JUN 2018 14:22:07

GFSK MIDDLE CHANNEL



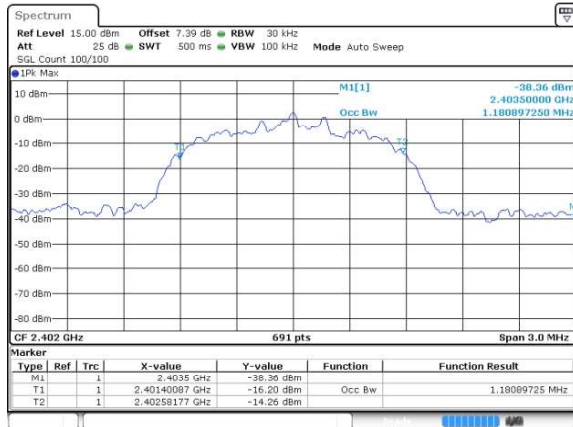
Date: 26 JUN 2018 14:25:47

GFSK HIGH CHANNEL



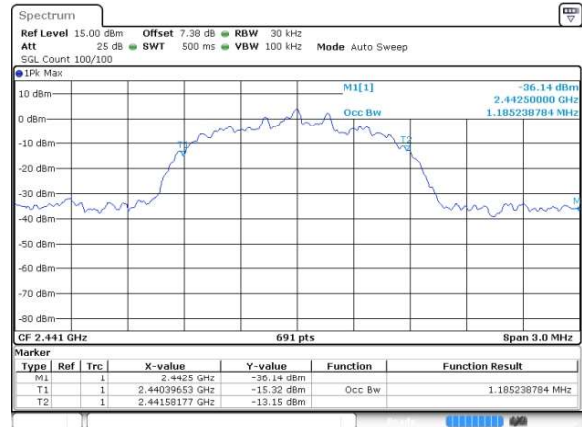
Date: 26 JUN 2018 14:28:37

8-DPSK LOW CHANNEL



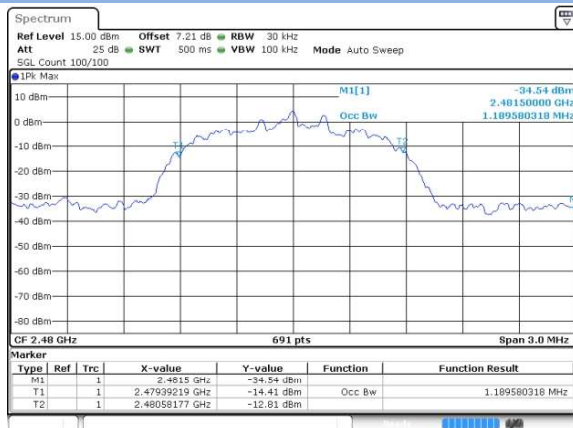
Date: 26 JUN 2018 14:32:43

8-DPSK MIDDLE CHANNEL



Date: 26 JUN 2018 14:36:04

8-DPSK HIGH CHANNEL



Date: 26 JUN 2018 14:38:59

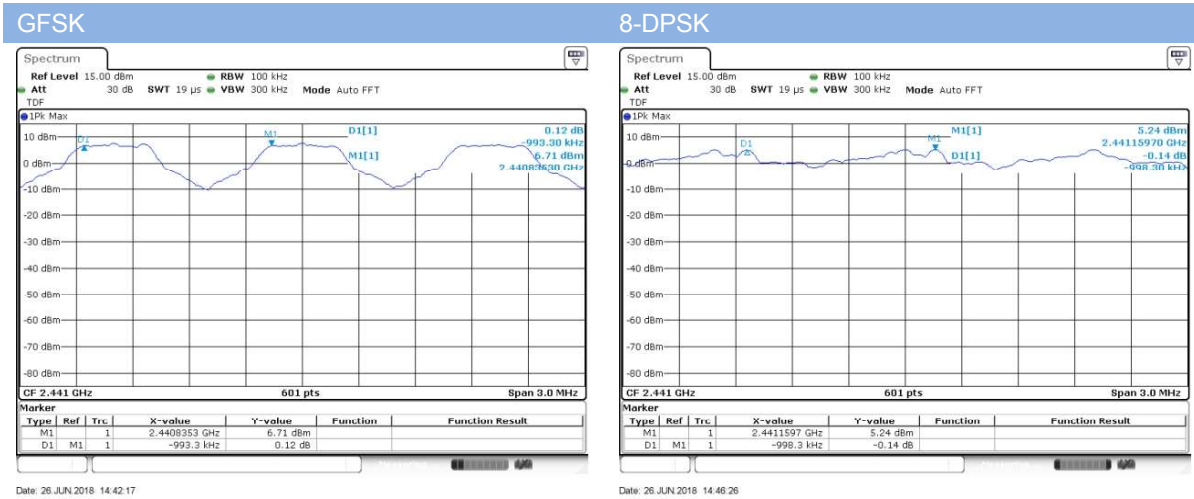
A.4 Hopping Frequency Separation

Test Data

Note: The systems operate with an output power no greater than 125 mw, The data provided in the section A.2.

Mode	Frequency separation (MHz)	Max 20 dB Bandwidth (MHz)	Two-thirds of the 20 dB bandwidth (MHz)	Verdict
GFSK	0.9933	0.957	0.638	Pass
8-DPSK	0.9983	1.278	0.852	Pass

Test Plots



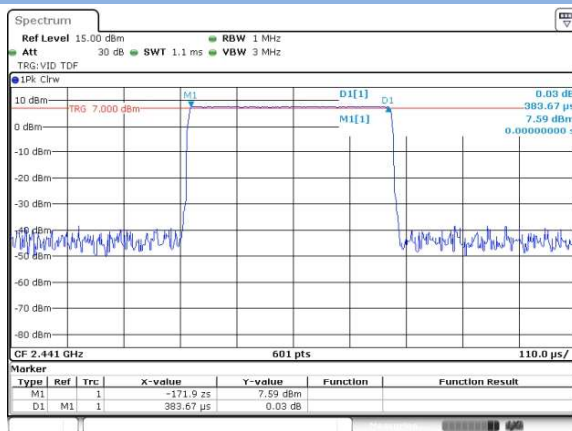
A.5 Average Time of Occupancy

Test Data

GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38367	122.774	0.4	Pass
DH 3	1.63867	262.187	0.4	Pass
DH 5	2.881	307.307	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.3925	125.600	0.4	Pass
DH 3	1.6295	260.720	0.4	Pass
DH 5	2.8727	306.421	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38367	61.387	0.4	Pass
DH 3	1.62583	130.066	0.4	Pass
DH 5	2.874	153.280	0.4	Pass

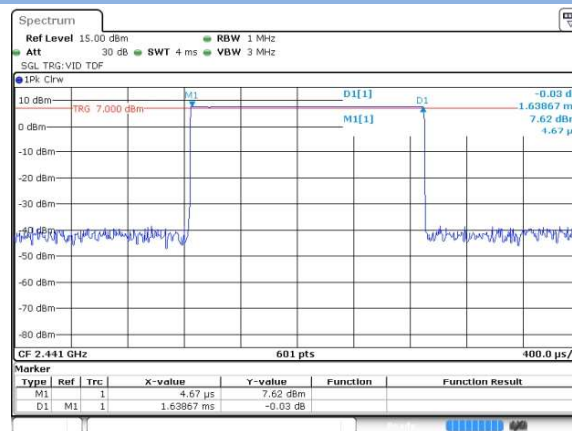
Test Plots

GFSK DH1



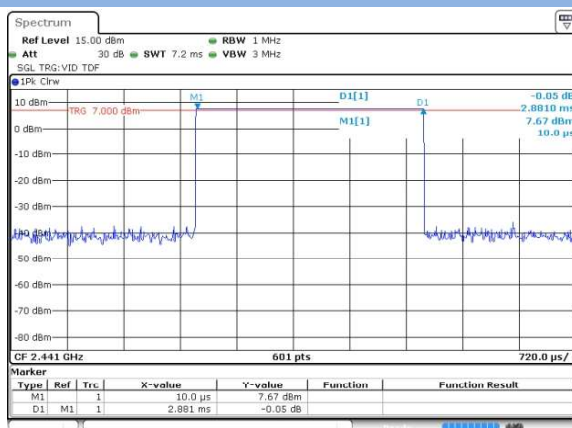
Date: 26 JUN 2018 14:52:58

GFSK DH3



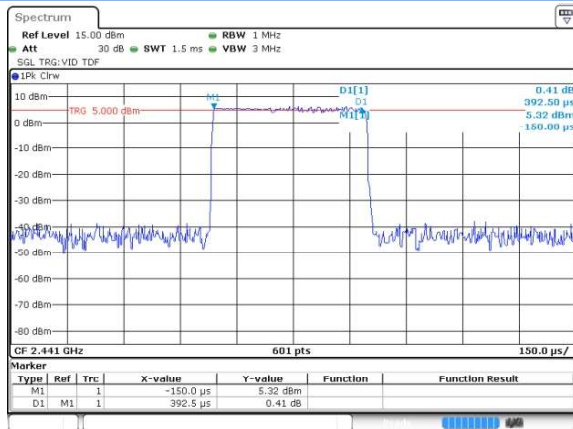
Date: 26 JUN 2018 14:53:23

GFSK DH5



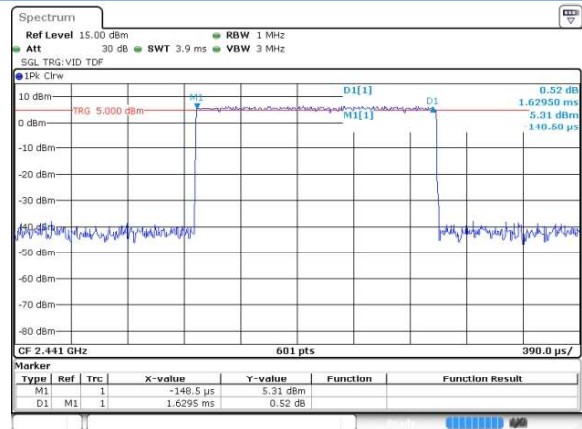
Date: 26 JUN 2018 14:53:45

8-DPSK DH1



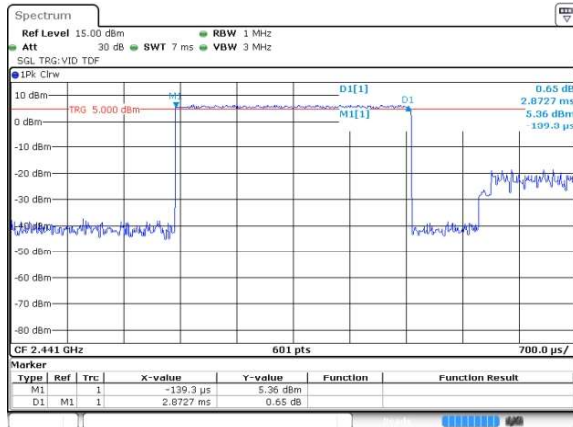
Date: 26 JUN 2018 14:55:42

8-DPSK DH3



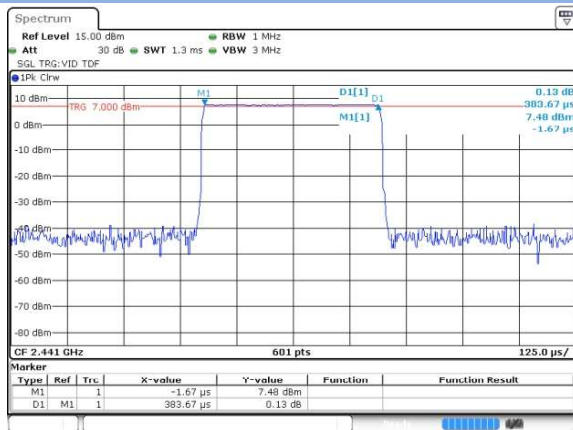
Date: 26 JUN 2018 14:56:04

8-DPSK DH5



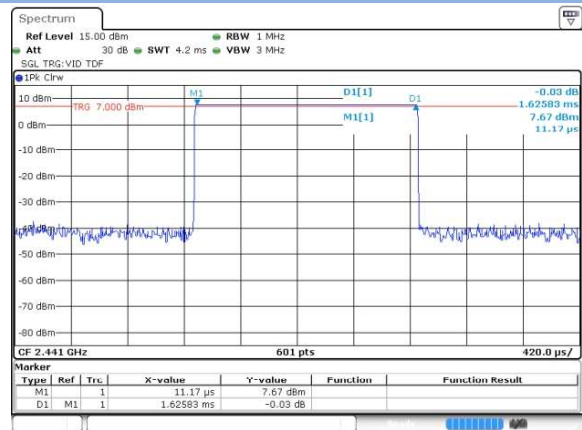
Date: 26 JUN 2018 14:56:27

AFH Mode DH1



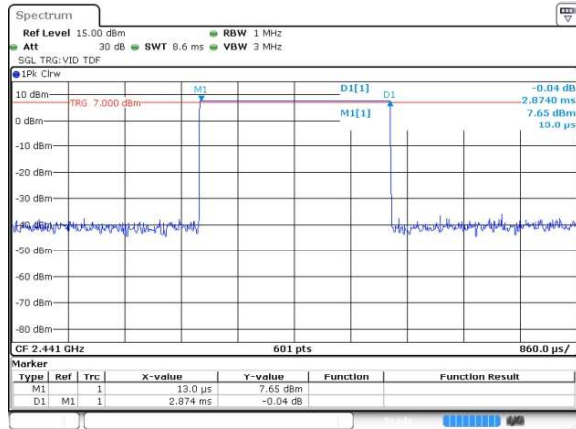
Date: 26 JUN 2018 14:54:15

AFH Mode DH3



Date: 26 JUN 2018 14:54:36

AFH Mode DH5



Date: 26 JUN 2018 14:54:53

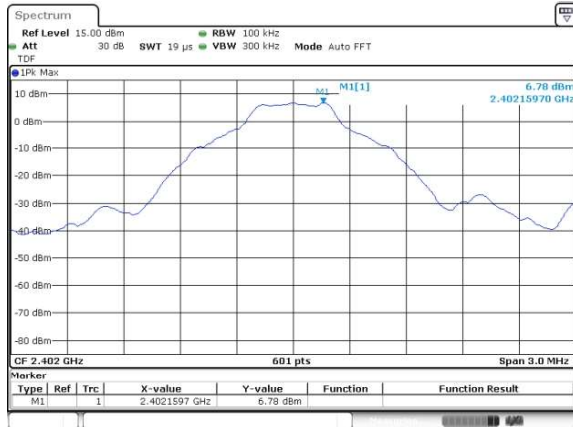
A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.5	6.78	-13.22	Pass
Middle	-41.64	7.57	-12.43	Pass
High	-41.48	7.68	-12.32	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-34.07	3.96	-16.04	Pass
Middle	-41.64	5.29	-14.71	Pass
High	-41.53	5.64	-14.36	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-39.05	7.17	-12.83	Pass
8-DPSK	-34.98	4.57	-15.43	Pass

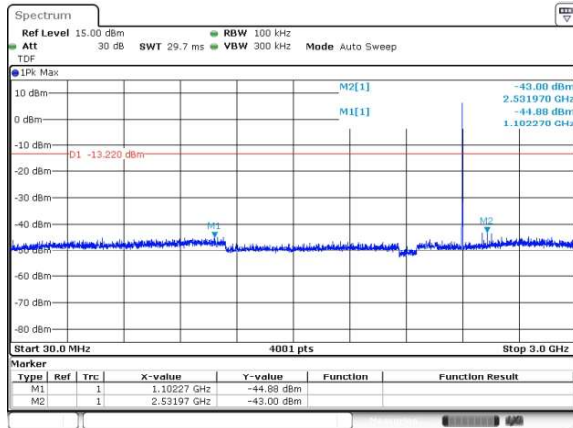
Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL



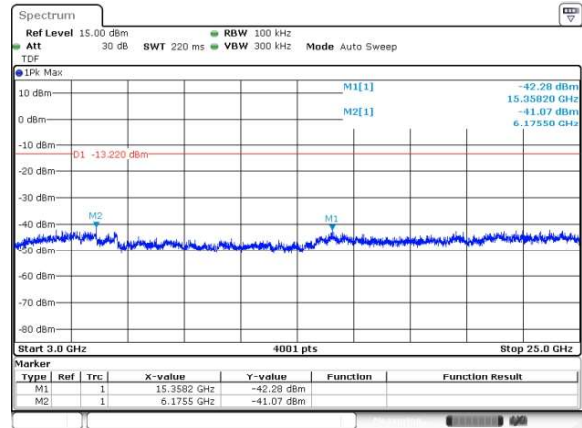
Date: 26 JUN 2016 14:22:26

GFSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



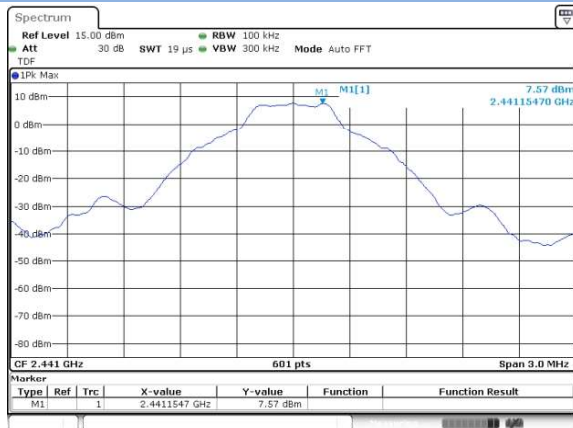
Date: 26 JUN 2016 14:22:55

GFSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



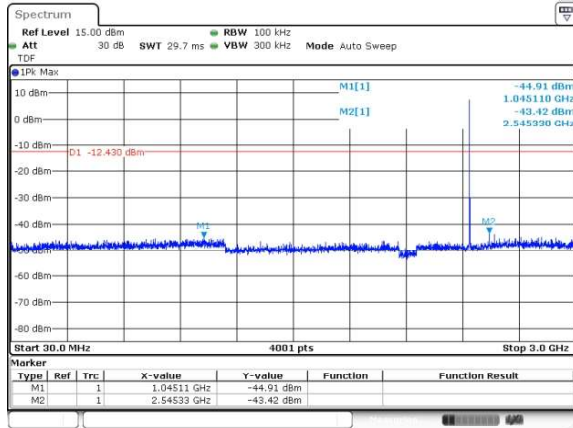
Date: 26 JUN 2016 14:23:04

GFSK MIDDLE CHANNEL, CARRIER LEVEL



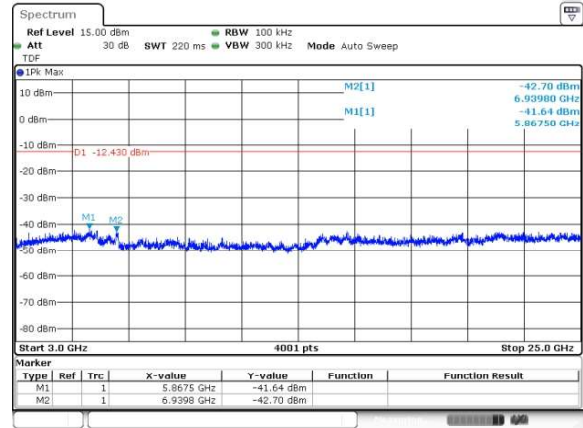
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GFSK MIDDLE CHANNEL , SPURIOUS 30 MHz ~ 3 GHz



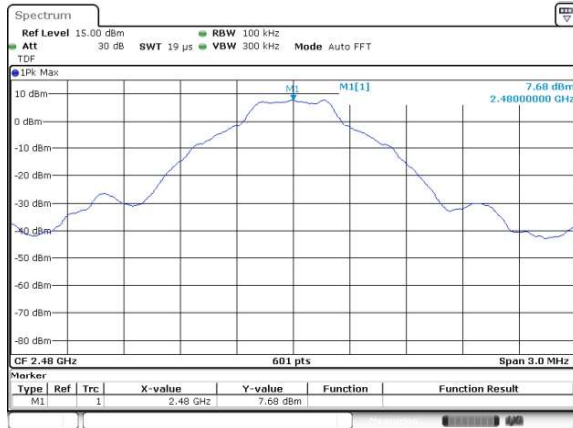
Date: 26 JUN 2018 14:26:16

GFSK MIDDLE CHANNEL , SPURIOUS 3 GHz ~ 25 GHz



Date: 26 JUN 2018 14:26:26

GFSK HIGH CHANNEL , CARRIER LEVEL



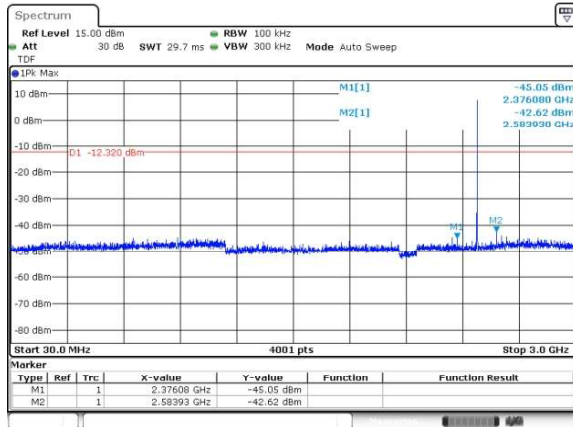
Date: 26 JUN 2018 14:28:49

GFSK HIGH CHANNEL , BAND EDGE



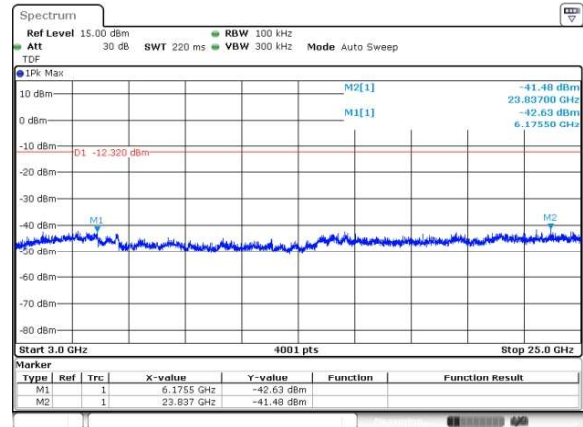
Date: 26 JUN 2018 14:29:21

GFSK HIGH CHANNEL , SPURIOUS 30 MHz ~ 3 GHz



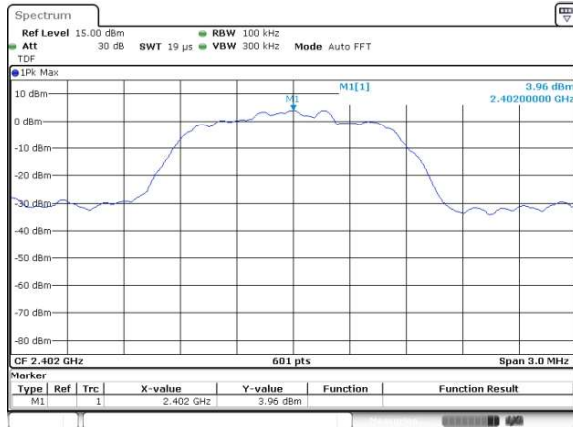
Date: 26 JUN 2018 14:29:09

GFSK HIGH CHANNEL , SPURIOUS 3 GHz ~ 25 GHz



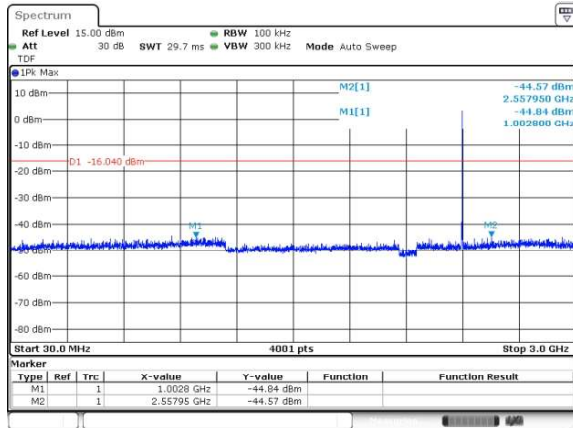
Date: 26 JUN 2018 14:29:21

8-DPSK LOW CHANNEL, CARRIER LEVEL



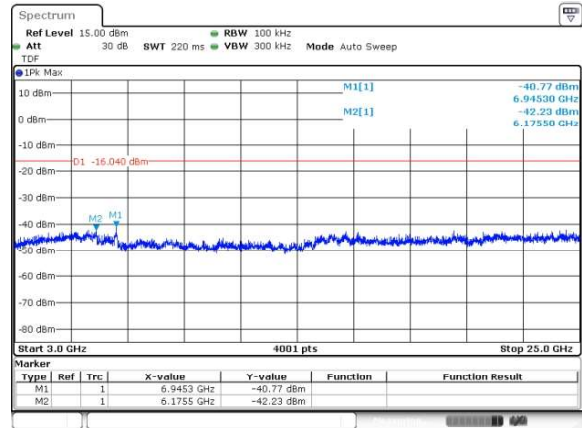
Date: 26 JUN 2016 14:33:01

8-DPSK LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



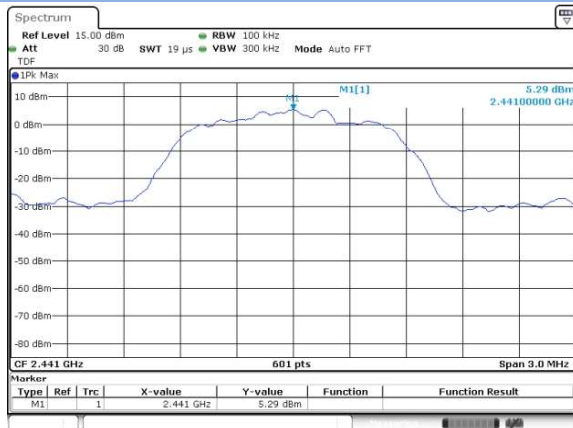
Date: 26 JUN 2016 14:33:22

8-DPSK LOW CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



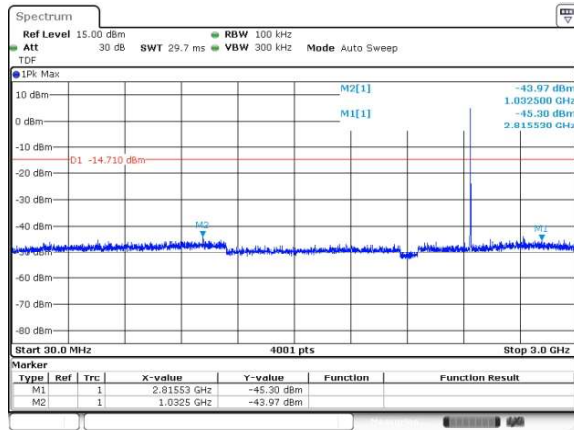
Date: 26 JUN 2016 14:33:33

8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



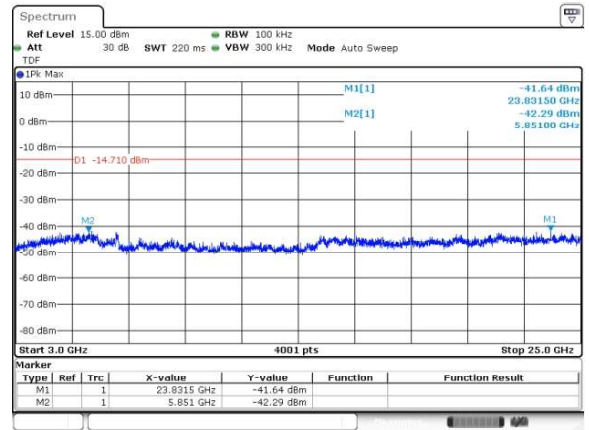
Date: 26 JUN 2016 14:36:15

8-DPSK MIDDLE CHANNEL , SPURIOUS 30 MHz ~ 3 GHz



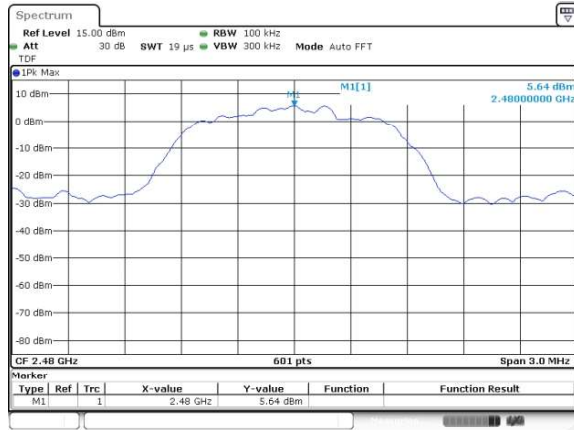
Date: 26 JUN 2016 14:36:36

8-DPSK MIDDLE CHANNEL , SPURIOUS 3 GHz ~ 25 GHz



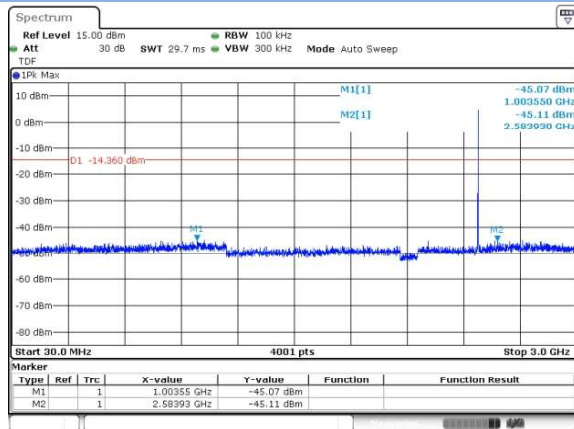
Date: 26 JUN 2016 14:36:47

8-DPSK HIGH CHANNEL, CARRIER LEVEL



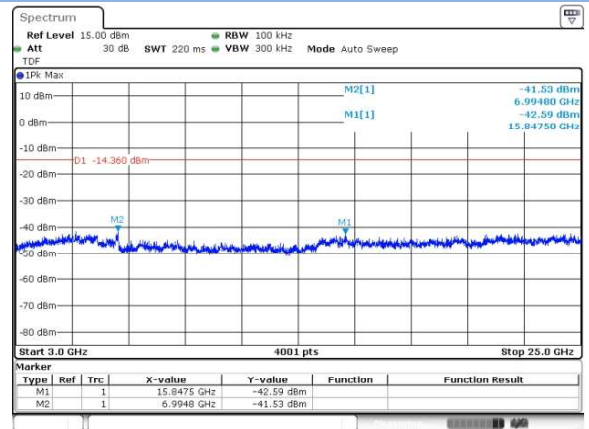
Date: 26 JUN 2016 14:39:22

8-DPSK HIGH CHANNEL , SPURIOUS 30 MHz ~ 3 GHz



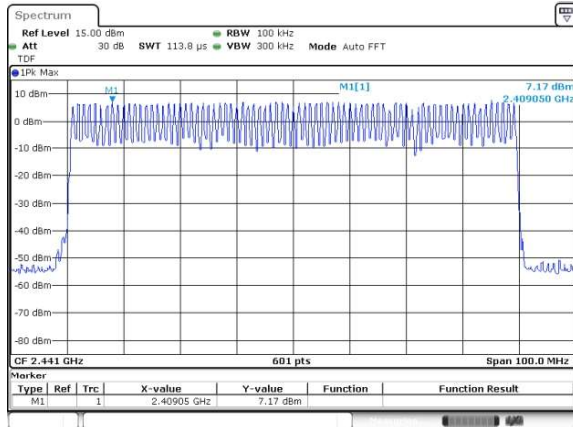
Date: 26 JUN 2016 14:39:43

8-DPSK HIGH CHANNEL , SPURIOUS 3 GHz ~ 25 GHz



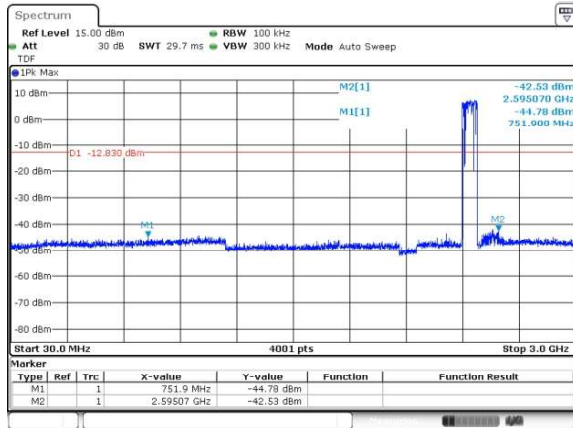
Date: 26 JUN 2016 14:39:57

GFSK HOPPING, CARRIER LEVEL



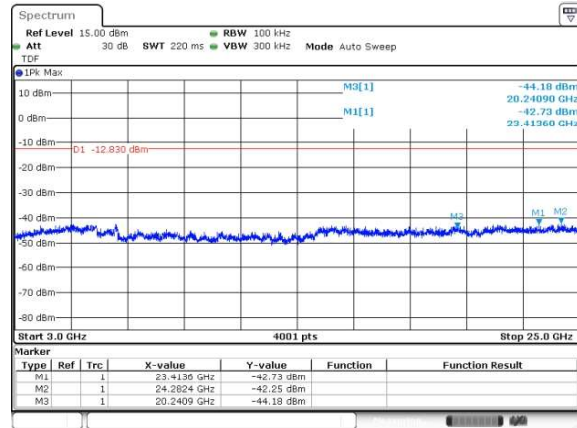
Date: 26 JUN 2016 14:42:29

GFSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



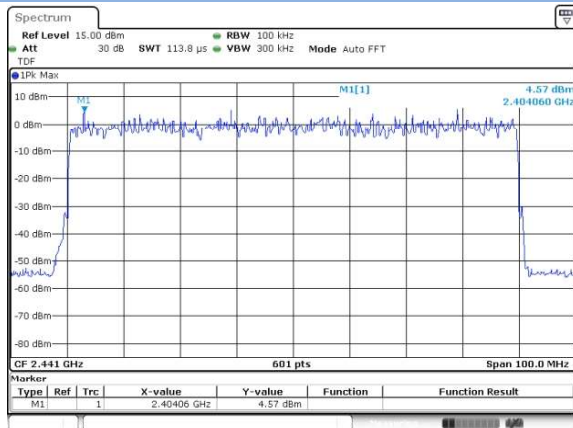
Date: 26 JUN 2016 14:43:09

GFSK Hopping Mode, SPURIOUS 30 3GHz ~ 25 GHz



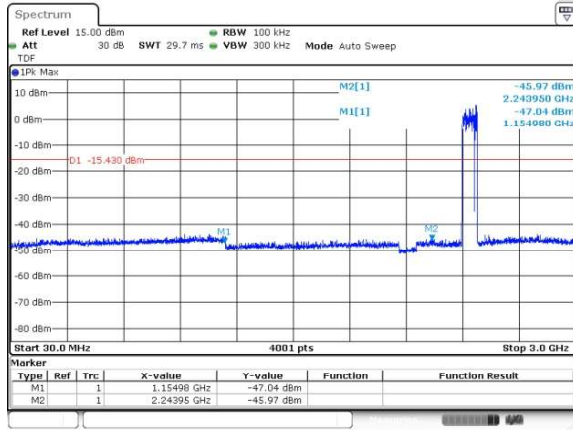
Date: 26 JUN 2016 14:43:26

8-DPSK HOPPING, CARRIER LEVEL

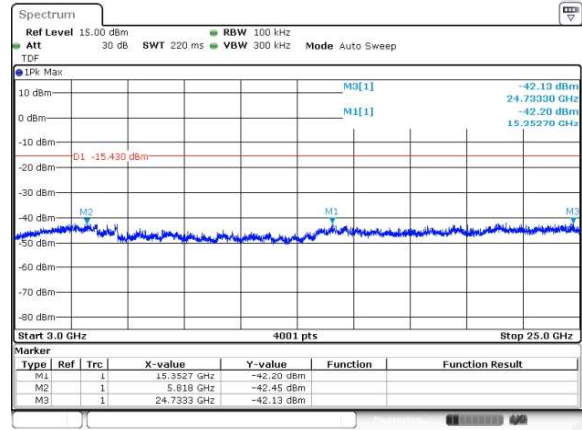


Date: 26 JUN 2016 14:46:38

8-DPSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



8-DPSK Hopping Mode, SPURIOUS 30 3GHz ~ 25 GHz

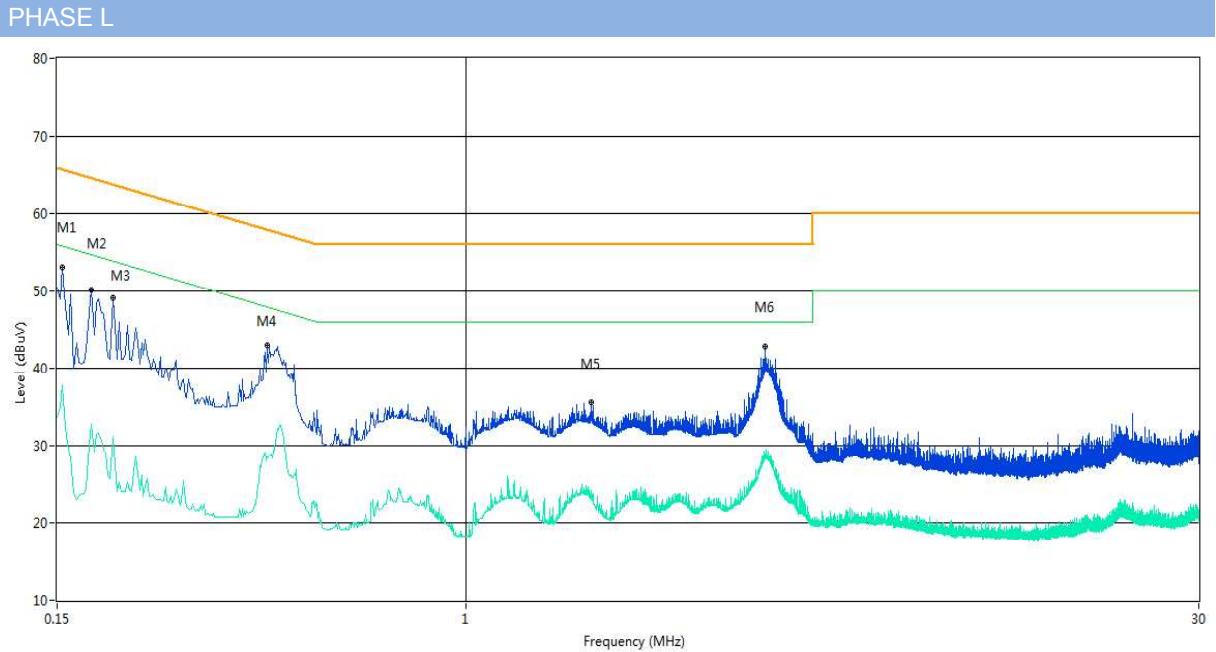


A.7 Conducted Emissions

Note 1: The EUT is working in the Normal link mode.

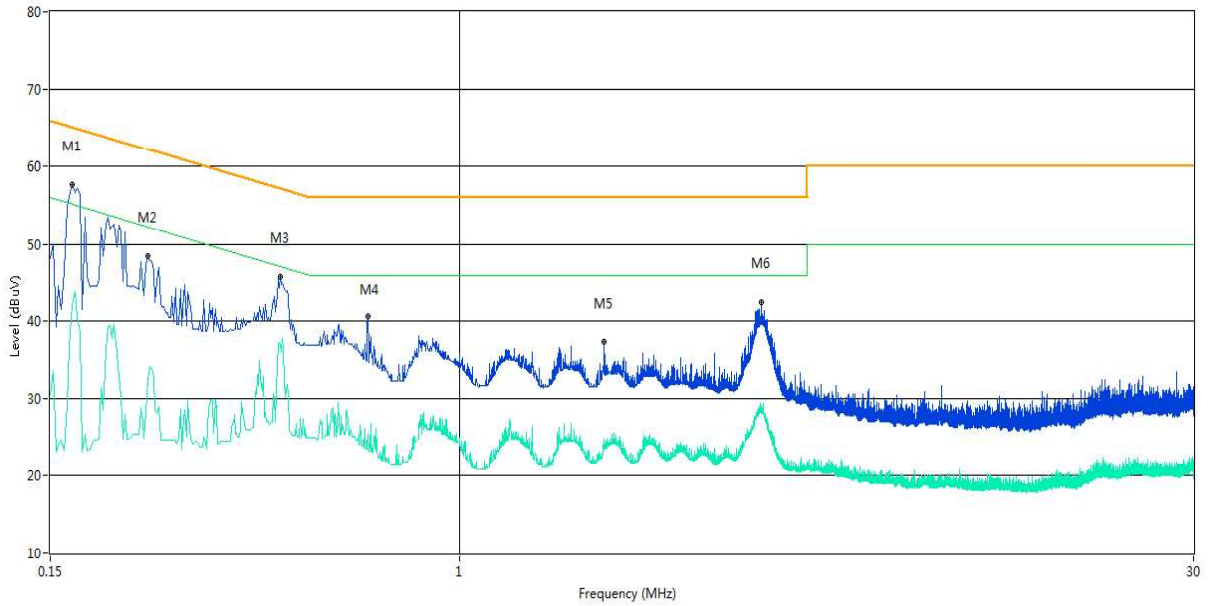
Note 2: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	53.0	10.04	65.8	12.80	Peak	L Line	Pass
1**	0.154	37.8	10.04	55.8	18.00	AV	L Line	Pass
2	0.176	50.1	10.04	64.7	14.60	Peak	L Line	Pass
2**	0.176	32.8	10.04	54.7	21.90	AV	L Line	Pass
3	0.194	49.1	10.04	63.9	14.80	Peak	L Line	Pass
3**	0.194	31.1	10.04	53.9	22.80	AV	L Line	Pass
4	0.398	42.9	10.04	57.9	15.00	Peak	L Line	Pass
4**	0.398	28.4	10.04	47.9	19.50	AV	L Line	Pass
5	1.786	35.6	10.08	56.0	20.40	Peak	L Line	Pass
5**	1.786	24.2	10.08	46.0	21.80	AV	L Line	Pass
6	4.010	42.8	10.14	56.0	13.20	Peak	L Line	Pass
6**	4.010	29.0	10.14	46.0	17.00	AV	L Line	Pass

PHASE N



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.166	57.6	10.04	65.2	7.60	Peak	N Line	Pass
1**	0.166	42.2	10.04	55.2	13.00	AV	N Line	Pass
2	0.236	48.5	10.04	62.2	13.70	Peak	N Line	Pass
2**	0.236	32.7	10.04	52.2	19.50	AV	N Line	Pass
3	0.436	45.8	10.04	57.1	11.30	Peak	N Line	Pass
3**	0.436	37.1	10.04	47.1	10.00	AV	N Line	Pass
4	0.654	40.7	10.05	56.0	15.30	Peak	N Line	Pass
4**	0.654	25.4	10.05	46.0	20.60	AV	N Line	Pass
5	1.952	37.4	10.09	56.0	18.60	Peak	N Line	Pass
5**	1.952	24.8	10.09	46.0	21.20	AV	N Line	Pass
6	4.056	42.5	10.15	56.0	13.50	Peak	N Line	Pass
6**	4.056	29.2	10.15	46.0	16.80	AV	N Line	Pass

A.8 Radiated Spurious Emission

Test Data and Plots

Note 1: The symbol of "--" in the table which means not application.

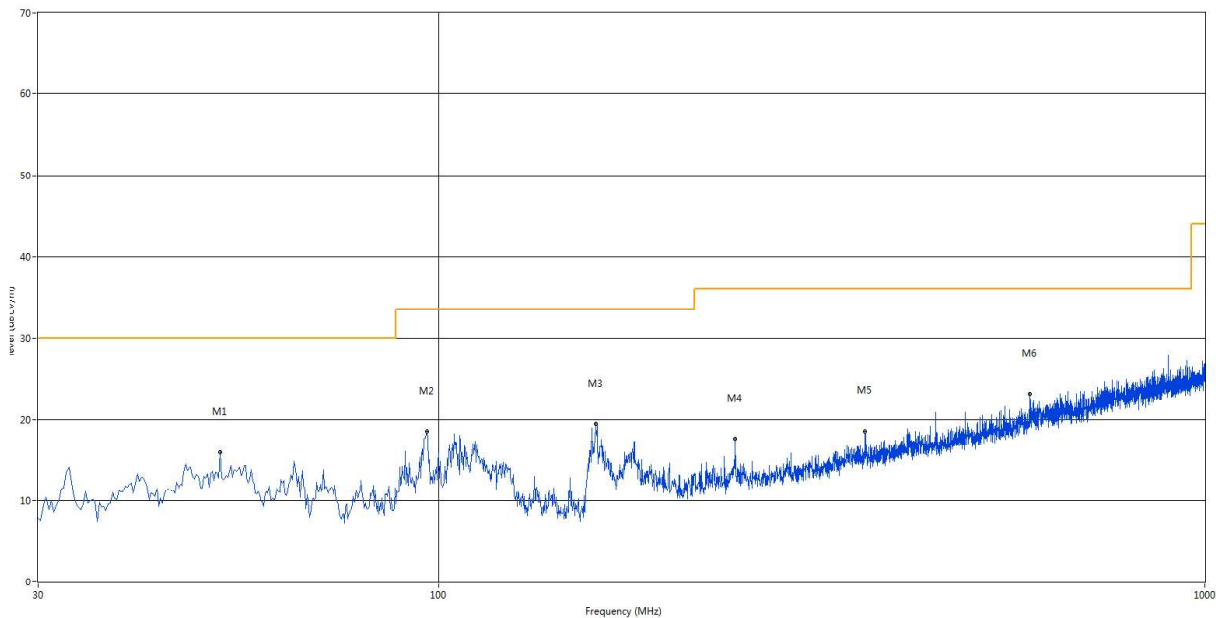
Note 2: For the test data above 1 GHz, according the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The EUT is working in the Normal link mode below 1 GHz.

Note 4: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

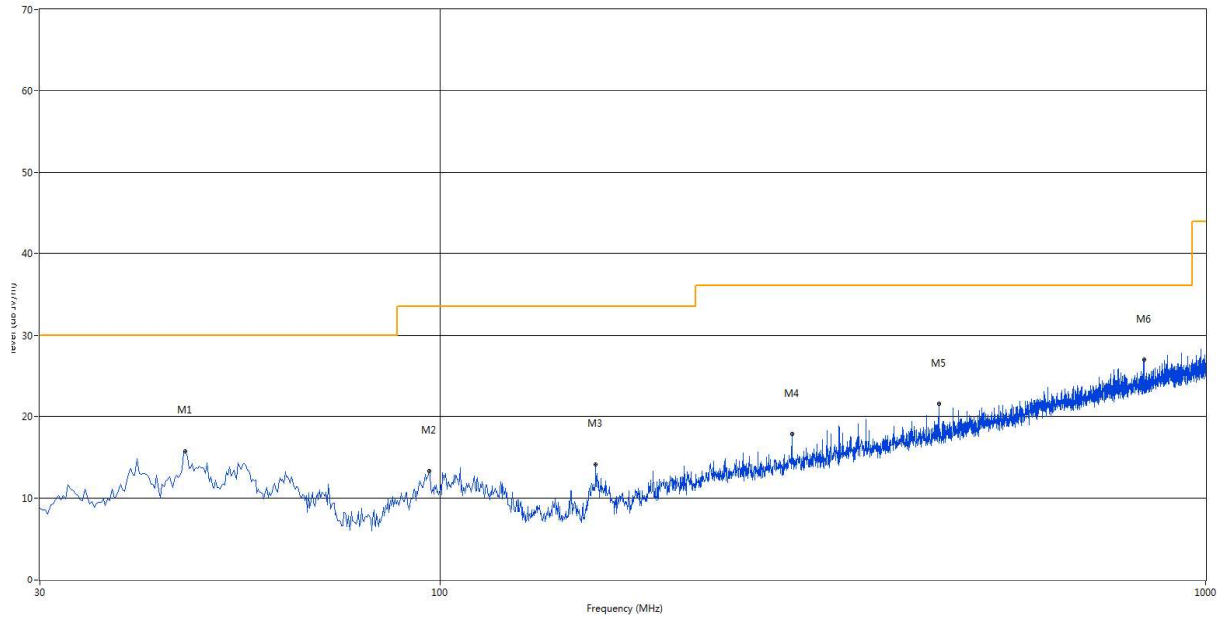
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	51.825	15.94	-19.26	30.0	14.06	Peak	1.00	100	Vertical	Pass
2	96.445	18.54	-21.45	33.5	14.96	Peak	4.00	100	Vertical	Pass
3	160.222	19.43	-23.50	33.5	14.07	Peak	5.00	200	Vertical	Pass
4	243.885	17.61	-19.38	36.0	18.39	Peak	3.00	100	Vertical	Pass
5	360.285	18.56	-16.53	36.0	17.44	Peak	2.00	200	Vertical	Pass
6	591.630	23.11	-12.14	36.0	12.89	Peak	1.00	100	Vertical	Pass

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	46.490	15.76	-19.20	30.0	14.24	Peak	10.00	100	Horizontal	Pass
2	96.688	13.36	-21.38	33.5	20.14	Peak	344.00	100	Horizontal	Pass
3	159.738	14.11	-23.56	33.5	19.39	Peak	22.00	100	Horizontal	Pass
4	288.020	17.86	-18.13	36.0	18.14	Peak	325.00	100	Horizontal	Pass
5	448.070	21.53	-15.17	36.0	14.47	Peak	67.00	100	Horizontal	Pass
6	830.492	26.94	-8.95	36.0	9.06	Peak	325.00	100	Horizontal	Pass

Test Data and Plots (1 GHz ~ 10th Harmonic)

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

GFSK LOW CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1997.34	50.57	-11.13	74	23.43	Peak	44.9	150	Vertical	Pass
2	2402.04	98.83	-8.66	74	-24.83	Peak	4.1	150	Vertical	N/A
3	2547.83	51.31	-7.18	74	22.69	Peak	74.8	150	Vertical	Pass
4	10335.28	40.13	16.83	74	33.87	Peak	242.9	150	Vertical	Pass
5	16576.96	44.79	9.02	74	29.21	Peak	281.6	150	Vertical	Pass
6	22284.53	42.56	11.26	74	31.44	Peak	92.9	150	Vertical	Pass

GFSK LOW CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1829.63	45.07	-13.73	74	28.93	Peak	228.7	150	Horizontal	Pass
2	2402.07	99.53	-8.66	74	-25.53	Peak	130.4	150	Horizontal	N/A
3	4881.82	49.89	-5.27	74	24.11	Peak	340.8	150	Horizontal	Pass
4	11289.93	42.75	20.21	74	31.25	Peak	285.6	150	Horizontal	Pass
5	15069.05	42.94	9.03	74	31.07	Peak	162.8	150	Horizontal	Pass
6	24490.85	46.46	10.21	74	27.54	Peak	19.2	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1997.85	50.77	-11.13	74	23.23	Peak	350.4	150	Vertical	Pass
2	2440.87	99.49	-8.66	74	-25.49	Peak	279.8	150	Vertical	N/A
3	2543.07	51.54	-7.10	74	22.46	Peak	173.6	150	Vertical	Pass
4	11402.25	45.20	14.77	74	28.80	Peak	294.1	150	Vertical	Pass
5	14705.08	45.67	9.05	74	28.33	Peak	50	150	Vertical	Pass
6	21186.36	46.50	9.88	74	27.51	Peak	162.3	150	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1830.77	45.37	-13.66	74	28.63	Peak	331.1	150	Horizontal	Pass
2	2440.22	100.00	-8.66	74	-26.00	Peak	296.4	150	Horizontal	N/A
3	4882.56	50.35	-5.29	74	23.65	Peak	303	150	Horizontal	Pass
4	10166.81	49.68	16.68	74	24.32	Peak	286.1	150	Horizontal	Pass
5	13197.17	44.27	9.05	74	29.73	Peak	77.2	150	Horizontal	Pass
6	24620.63	49.72	10.50	74	24.28	Peak	150.7	150	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1993.65	49.44	-11.13	74	24.56	Peak	2.4	150	Vertical	Pass
2	2480.58	98.96	-8.66	74	-24.96	Peak	47.2	150	Vertical	N/A
3	2546.69	50.78	-7.02	74	23.22	Peak	182.3	150	Vertical	Pass
4	9930.95	44.94	13.76	74	29.06	Peak	55.3	150	Vertical	Pass
5	17315.31	46.99	9.02	74	27.01	Peak	254.9	150	Vertical	Pass
6	24640.60	44.41	12.74	74	29.59	Peak	287.6	150	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1829.60	43.85	-13.76	74	30.15	Peak	311.9	150	Horizontal	Pass
2	2480.59	99.19	-8.66	74	-25.19	Peak	265.4	150	Horizontal	N/A
3	4879.77	48.98	-5.39	74	25.02	Peak	315.9	150	Horizontal	Pass
4	11525.79	44.88	18.67	74	29.12	Peak	329.9	150	Horizontal	Pass
5	12812.40	43.77	10.78	74	30.23	Peak	243.9	150	Horizontal	Pass
6	19589.02	42.99	8.60	74	31.01	Peak	12	150	Horizontal	Pass

8-DPSK LOW CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1995.63	49.60	-11.13	74	24.40	Peak	157.1	150	Vertical	Pass
2	2402.04	100.11	-8.66	74	-26.11	Peak	167.4	150	Vertical	N/A
3	2544.71	52.23	-7.34	74	21.77	Peak	289.9	150	Vertical	Pass
4	6247.09	48.64	14.15	74	25.36	Peak	123.3	150	Vertical	Pass
5	16535.36	45.89	10.13	74	28.11	Peak	352.7	150	Vertical	Pass
6	19668.89	45.94	12.64	74	28.06	Peak	224.2	150	Vertical	Pass

8-DPSK LOW CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1827.71	44.70	-13.76	74	29.30	Peak	289.5	150	Horizontal	Pass
2	2402.06	100.09	-8.66	74	-26.09	Peak	109	150	Horizontal	N/A
3	4884.10	49.79	-5.32	74	24.21	Peak	187.6	150	Horizontal	Pass
4	10739.60	43.55	15.03	74	30.45	Peak	90	150	Horizontal	Pass
5	12356.91	45.19	9.50	74	28.81	Peak	132.7	150	Horizontal	Pass
6	19249.58	44.98	11.10	74	29.02	Peak	210.3	150	Horizontal	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1995.40	50.06	-11.13	74	23.94	Peak	64	150	Vertical	Pass
2	2440.86	98.85	-8.66	74	-24.85	Peak	69.7	150	Vertical	N/A
3	2547.10	52.20	-7.40	74	21.80	Peak	261.3	150	Vertical	Pass
4	8774.13	44.36	20.18	74	29.64	Peak	349	150	Vertical	Pass
5	15173.05	49.47	9.05	74	24.53	Peak	224.6	150	Vertical	Pass
6	21875.21	45.92	8.41	74	28.08	Peak	201.2	150	Vertical	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1828.63	44.63	-13.66	74	29.37	Peak	352.1	150	Horizontal	Pass
2	2440.62	98.77	-8.66	74	-24.77	Peak	24.3	150	Horizontal	N/A
3	4883.38	50.28	-5.39	74	23.72	Peak	41.8	150	Horizontal	Pass
4	9459.24	40.30	13.69	74	33.70	Peak	3.2	150	Horizontal	Pass
5	14008.32	47.23	20.10	74	26.77	Peak	345.7	150	Horizontal	Pass
6	19449.25	44.51	10.32	74	29.49	Peak	336	150	Horizontal	Pass

8-DPSK HIGH CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1998.06	50.04	-11.13	74	23.96	Peak	325.6	150	Vertical	Pass
2	2480.50	99.35	-8.65	74	-25.35	Peak	24.8	150	Vertical	N/A
3	2545.83	51.70	-7.40	74	22.30	Peak	273.5	150	Vertical	Pass
4	11177.62	47.88	20.20	74	26.12	Peak	272	150	Vertical	Pass
5	14476.29	44.21	9.47	74	29.79	Peak	95.7	150	Vertical	Pass
6	22024.96	42.88	11.91	74	31.12	Peak	20.9	150	Vertical	Pass

8-DPSK HIGH CHANNEL 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1827.81	43.98	-13.62	74	30.02	Peak	291.5	150	Horizontal	Pass
2	2480.00	99.92	-8.66	74	-25.92	Peak	183	150	Horizontal	N/A
3	4882.53	49.22	-5.39	74	24.78	Peak	40.8	150	Horizontal	Pass
4	6460.48	49.82	14.84	74	24.18	Peak	104.6	150	Horizontal	Pass
5	13342.76	47.76	9.15	74	26.24	Peak	338.3	150	Horizontal	Pass
6	21605.66	43.25	9.61	74	30.75	Peak	335.4	150	Horizontal	Pass

Hopping Mode:
GFSK MODE 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1996.22	50.39	-11.13	74	23.61	Peak	10.4	150	Vertical	Pass
2	2440.46	99.20	-8.66	74	-25.20	Peak	88.1	150	Vertical	N/A
3	2544.37	51.57	-7.29	74	22.43	Peak	178.9	150	Vertical	Pass
4	7134.36	47.67	18.22	74	26.33	Peak	140.6	150	Vertical	Pass
5	15807.40	45.66	12.72	74	28.34	Peak	156.9	150	Vertical	Pass
6	22963.39	44.45	10.39	74	29.55	Peak	254.4	150	Vertical	Pass

GFSK MODE 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1829.36	45.09	-13.76	74	28.91	Peak	236.1	150	Horizontal	Pass
2	2440.90	100.27	-8.66	74	-26.27	Peak	133.8	150	Horizontal	N/A
3	4884.22	49.38	-5.29	74	24.62	Peak	184.6	150	Horizontal	Pass
4	8223.79	43.76	14.21	74	30.24	Peak	153.4	150	Horizontal	Pass
5	15672.21	45.13	20.65	74	28.88	Peak	349.2	150	Horizontal	Pass
6	18313.64	48.86	12.01	74	25.14	Peak	57.5	150	Horizontal	Pass

8-DPSK MODE 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1994.22	50.13	-11.24	74	23.87	Peak	184.4	150	Vertical	Pass
2	2440.26	98.52	-8.66	74	-24.52	Peak	250.4	150	Vertical	N/A
3	2545.75	52.52	-7.02	74	21.48	Peak	12.7	150	Vertical	Pass
4	10032.03	44.01	13.62	74	29.99	Peak	222.9	150	Vertical	Pass
5	17731.28	44.61	19.21	74	29.39	Peak	252.8	150	Vertical	Pass
6	24341.10	44.36	10.01	74	29.64	Peak	303.9	150	Vertical	Pass

8-DPSK MODE 1 GHz to 25 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1828.97	43.58	-13.57	74	30.42	Peak	73	150	Horizontal	Pass
2	2440.18	99.66	-8.65	74	-25.66	Peak	290.3	150	Horizontal	N/A
3	4879.79	50.30	-5.39	74	23.70	Peak	102.6	150	Horizontal	Pass
4	6763.73	49.10	20.46	74	24.90	Peak	315.8	150	Horizontal	Pass
5	12210.90	43.38	9.15	74	30.62	Peak	347.1	150	Horizontal	Pass
6	23292.85	48.72	12.74	74	25.28	Peak	104.9	150	Horizontal	Pass

A.9 Band Edge (Restricted-band band-edge)

Note 1: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note 2: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

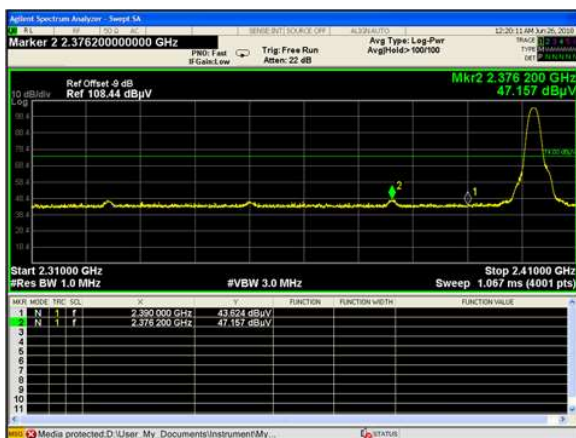
Note 3: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 4: The Level (dBuV/m) has been corrected by factor.

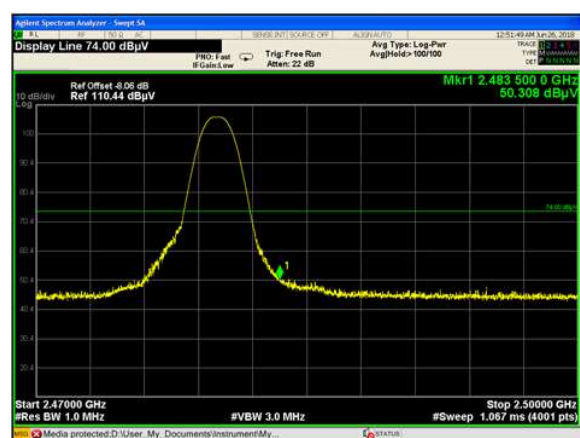
Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
GFSK	Low	2390.00	47.16	-9.00	74	26.84	PEAK	Pass
		2390.00	N/A	N/A	54	N/A	AVERAGE	Pass
GFSK	HIGH	2483.50	50.31	-8.06	74	23.69	PEAK	Pass
		2483.50	N/A	N/A	54	N/A	AVERAGE	Pass
8-DPSK	Low	2390.00	41.55	-9.00	74	32.45	PEAK	Pass
		2390.00	N/A	N/A	54	N/A	AVERAGE	Pass
8-DPSK	HIGH	2483.50	55.56	-8.06	74	18.44	PEAK	Pass
		2483.50	44.46	-8.06	54	9.54	AVERAGE	Pass
GFSK(Hopping)	Low	2390.00	50.82	-9.00	74	23.18	PEAK	Pass
		2390.00	N/A	N/A	54	N/A	AVERAGE	Pass
GFSK(Hopping)	HIGH	2483.50	48.13	-8.06	74	25.87	PEAK	Pass
		2483.50	N/A	N/A	54	N/A	AVERAGE	Pass
8-DPSK (Hopping)	Low	2390.00	40.86	-9.00	74	33.14	PEAK	Pass
		2390.00	N/A	N/A	54	N/A	AVERAGE	Pass
8-DPSK (Hopping)	HIGH	2483.50	44.47	-8.06	74	29.54	PEAK	Pass
		2483.50	N/A	N/A	54	N/A	AVERAGE	Pass

Test Plots

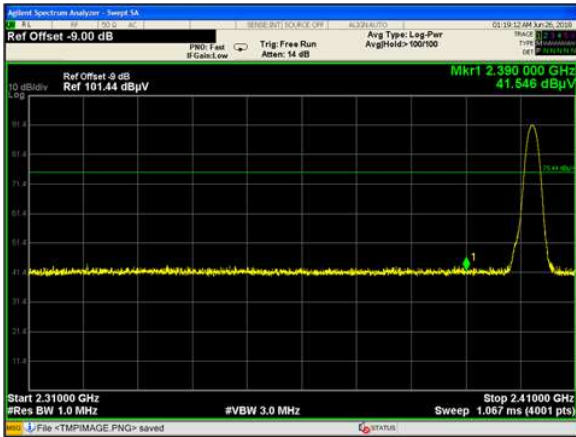
GFSK LOW CHANNEL , PEAK



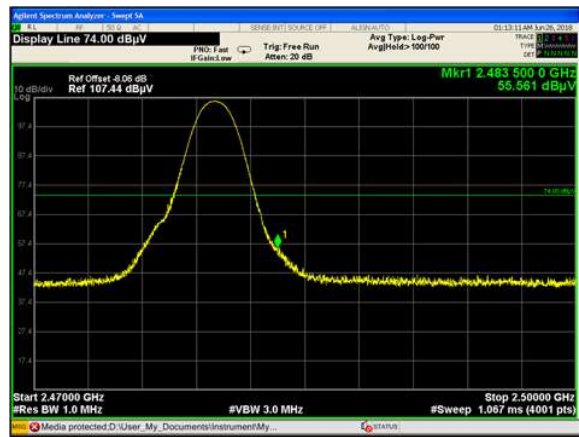
GFSK HIGH CHANNEL , PEAK



8-DPSK LOW CHANNEL , PEAK



8-DPSK HIGH CHANNEL , PEAK



8-DPSK HIGH CHANNEL, AV

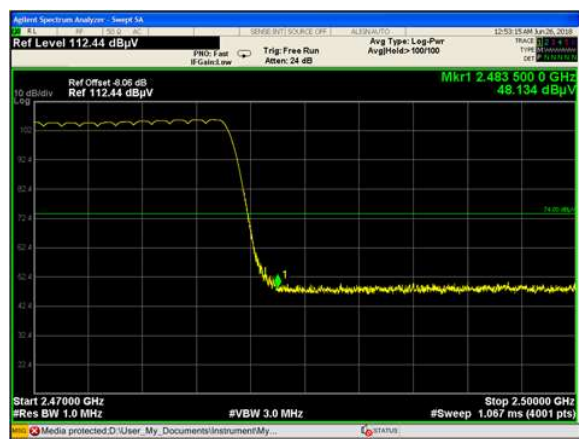


Hopping Mode:

GFSK LOW FREQUENCY BAND, PEAK

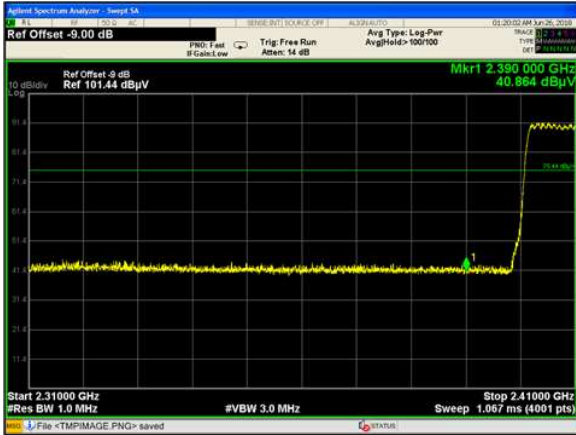


GFSK HIGH FREQUENCY BAND, PEAK



8-DPSK LOW FREQUENCY BAND, PEAK

8-DPSK HIGH FREQUENCY BAND, PEAK



ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ1860071-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL- SZ1860071-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL- SZ1860071-AI.PDF".

--END OF REPORT--