π/4 DQPSK Ch 0 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2385.700	46.23	2.9	32.0	11.41	54.0	7.8	H	155	20
2389.200	46.25	2.9	32.0	11.42	54.0	7.8	H	155	18
4804.500	33.30	-35.0	34.1	34.25	54.0	20.7	H	155	90
7206.000	37.17	-32.4	35.8	33.76	54.0	16.8	H	155	114
9607.500	40.79	-29.7	36.7	33.74	54.0	13.2	H	155	36
12010.500	42.13	-30.5	38.9	33.72	54.0	11.9	H	155	2

π/4 DQPSK Ch 39 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2437.100	46.50	2.9	32.0	11.62	54.0	7.5	H	155	171
2444.600	47.22	2.9	32.0	12.34	54.0	6.8	H	155	79
4882.500	32.91	-35.5	34.1	34.36	54.0	21.1	H	155	4
7323.000	38.39	-31.3	35.8	33.91	54.0	15.6	H	155	62
9763.500	39.08	-31.4	36.9	33.56	54.0	14.9	H	155	135
12205.500	44.08	-28.9	39.0	33.95	54.0	9.9	H	155	94

π/4 DQPSK Ch 78 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2486.100	46.34	2.9	32.0	11.41	54.0	7.7	H	155	28
2491.200	46.39	2.9	32.0	11.46	54.0	7.6	H	155	48
4960.500	33.53	-34.9	34.1	34.31	54.0	20.5	H	155	8
7440.000	37.39	-32.2	35.8	33.76	54.0	16.6	H	155	16
9919.500	41.12	-29.6	37.1	33.66	54.0	12.9	H	155	228
12400.500	43.37	-30.0	39.1	34.34	54.0	10.6	H	155	92

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8DPSK Ch 0 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2385.100	46.20	2.9	32.0	11.38	54.0	7.8	H	155	4
2387.400	46.22	2.9	32.0	11.40	54.0	7.8	H	155	348
4804.500	33.36	-35.0	34.1	34.31	54.0	20.6	H	155	28
7206.000	37.31	-32.4	35.8	33.91	54.0	16.7	H	155	356
9607.500	40.79	-29.7	36.7	33.74	54.0	13.2	H	155	24
12010.500	42.13	-30.5	38.9	33.72	54.0	11.9	H	155	2

8DPSK Ch 39 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2433.400	46.30	2.9	32.0	11.43	54.0	7.7	H	155	171
2446.300	46.28	2.9	32.0	11.40	54.0	7.7	H	155	79
4882.500	32.87	-35.5	34.1	34.31	54.0	21.1	H	155	4
7323.000	48.43	-31.3	35.8	43.95	54.0	5.6	H	155	62
9763.500	39.07	-31.4	36.9	33.56	54.0	14.9	H	155	135
12205.500	44.03	-28.9	39.0	33.90	54.0	10.0	H	155	94

8DPSK Ch 78 - Average

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.800	46.44	2.9	32.0	11.51	54.0	7.6	H	155	20
2486.800	46.31	2.9	32.0	11.38	54.0	7.7	H	155	45
4960.500	33.53	-34.9	34.1	34.32	54.0	20.5	H	155	240
7440.000	37.27	-32.2	35.8	33.65	54.0	16.7	H	155	180
9919.500	41.19	-29.6	37.1	33.73	54.0	12.8	H	155	85
1200.500	43.26	2.0	27.4	13.88	54.0	10.7	H	155	25

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GFSK Ch 0 – Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2387.196	60.57	2.9	32.0	25.74	74.0	13.4	H	155	176
2387.714	60.09	2.9	32.0	25.27	74.0	13.9	H	155	154
4804.000	40.73	-35.0	34.1	41.67	74.0	33.3	V	155	22
7206.000	43.57	-32.4	35.8	40.16	74.0	30.4	V	155	176
9608.000	46.15	-29.7	36.7	39.08	74.0	27.8	H	155	198
12010.000	45.68	-30.5	38.9	37.27	74.0	28.3	H	155	0

GFSK Ch 39 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2352.600	47.77	-27.8	31.9	43.61	74.0	26.2	H	155	88
2533.000	47.74	-26.8	32.0	42.51	74.0	26.3	H	155	132
4882.000	40.51	-35.5	34.1	41.95	74.0	33.5	H	155	0
7323.000	44.71	-31.3	35.8	40.22	74.0	29.3	V	155	66
9764.000	44.65	-31.4	36.9	39.13	74.0	29.4	V	155	44
12205.000	48.35	-28.8	39.0	38.22	74.0	25.6	H	155	242

GFSK Ch 78 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.540	61.40	2.9	32.0	26.47	74.0	12.6	H	155	22
2483.610	61.17	2.9	32.0	26.24	74.0	12.8	H	155	44
4960.000	39.43	-34.9	34.1	40.22	74.0	34.6	V	155	242
7440.000	42.29	-32.2	35.8	38.66	74.0	31.7	H	155	176
9920.000	46.82	-29.7	37.1	39.37	74.0	27.2	V	155	88
12400.000	46.37	-30.0	39.1	37.35	74.0	27.6	V	155	22

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π/4 DQPSK Ch 0 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2387.994	59.85	2.9	32.0	25.03	74.0	14.2	H	155	22
2389.786	60.74	2.9	32.0	25.91	74.0	13.3	V	155	44
4804.000	39.48	-35.0	34.1	40.42	74.0	34.5	H	155	0
7206.000	43.02	-32.4	35.8	39.61	74.0	31.0	H	155	0
9608.000	45.07	-29.7	36.7	38.00	74.0	28.9	H	155	22
12010.000	45.91	-30.5	38.9	37.50	74.0	28.1	H	155	176

π/4 DQPSK Ch 39 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2329.000	48.16	-27.7	31.9	43.94	74.0	25.8	H	155	0
2521.000	48.38	-26.7	32.0	43.09	74.0	25.6	H	155	44
4882.000	40.19	-35.5	34.1	41.64	74.0	33.8	V	155	88
7323.000	44.15	-31.3	35.8	39.66	74.0	29.9	V	155	44
9764.000	43.74	-31.4	36.9	38.23	74.0	30.3	V	155	66
12205.000	47.52	-28.8	39.0	37.39	74.0	26.5	H	155	88

π/4 DQPSK Ch 78 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.510	59.98	2.9	32.0	25.05	74.0	14.0	H	155	22
2484.040	59.79	2.9	32.0	24.86	74.0	14.2	H	155	22
4960.000	39.78	-34.9	34.1	40.57	74.0	34.2	H	155	88
7440.000	43.00	-32.2	35.8	39.37	74.0	31.0	V	155	110
9920.000	46.10	-29.7	37.1	38.66	74.0	27.9	V	155	44
12400.000	45.46	-30.0	39.1	36.44	74.0	28.5	H	155	0

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8DPSK Ch 0 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2386.426	60.26	2.9	32.0	25.43	74.0	13.7	H	155	88
2388.932	60.22	2.9	32.0	25.40	74.0	13.8	H	155	66
4804.000	40.67	-35.0	34.1	41.60	74.0	33.3	V	155	110
7206.000	43.63	-32.4	35.8	40.23	74.0	30.4	H	155	0
9608.000	46.27	-29.7	36.7	39.20	74.0	27.7	H	155	22
12010.000	46.34	-30.5	38.9	37.93	74.0	27.7	V	155	44

8DPSK Ch 39 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2338.800	47.66	-27.7	31.9	43.39	74.0	26.3	H	155	176
2521.200	48.06	-26.7	32.0	42.78	74.0	25.9	V	155	88
4882.000	38.98	-35.5	34.1	40.43	74.0	35.0	V	155	0
7323.000	45.18	-31.3	35.8	40.70	74.0	28.8	H	155	66
9764.000	43.43	-31.4	36.9	37.91	74.0	30.6	H	155	132
12205.000	47.96	-28.8	39.0	37.82	74.0	26.0	V	155	88

8DPSK Ch 78 - Peak

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.500	60.60	2.9	32.0	25.67	74.0	13.4	H	155	22
2484.030	59.69	2.9	32.0	24.76	74.0	14.3	H	155	44
4960.000	40.67	-34.9	34.1	41.46	74.0	33.3	H	155	242
7440.000	42.06	-32.2	35.8	38.43	74.0	31.9	H	155	176
9920.000	45.79	-29.7	37.1	38.35	74.0	28.2	H	155	88
12400.000	46.26	-30.0	39.1	37.24	74.0	27.7	V	155	22

Conclusion: PASS

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Test graphs as below:

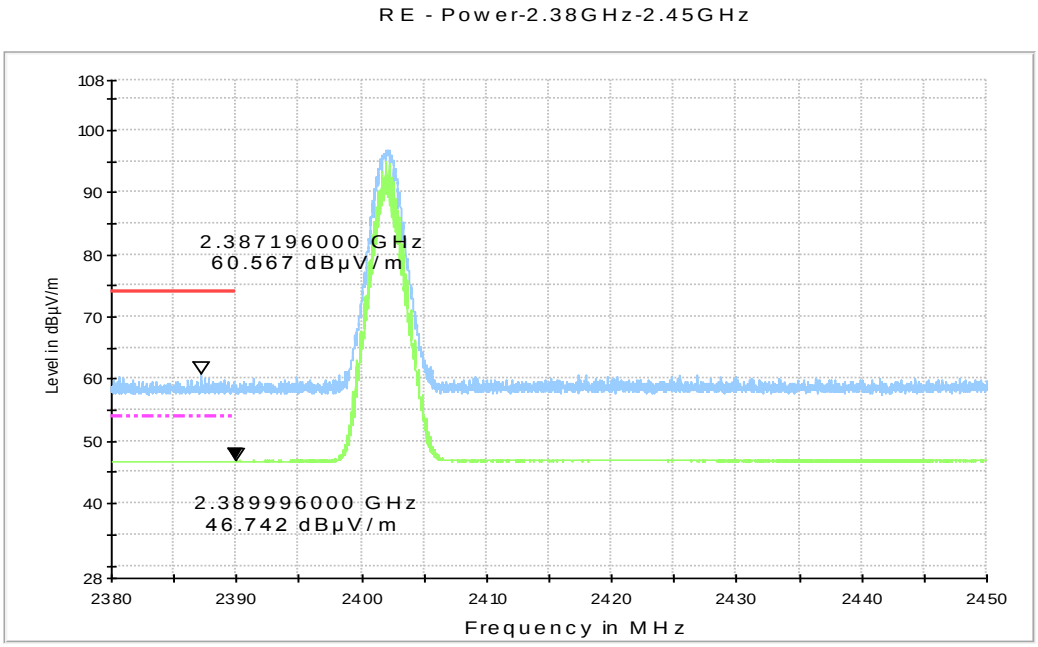

Fig.58. Radiated emission (Power): GFSK, low channel

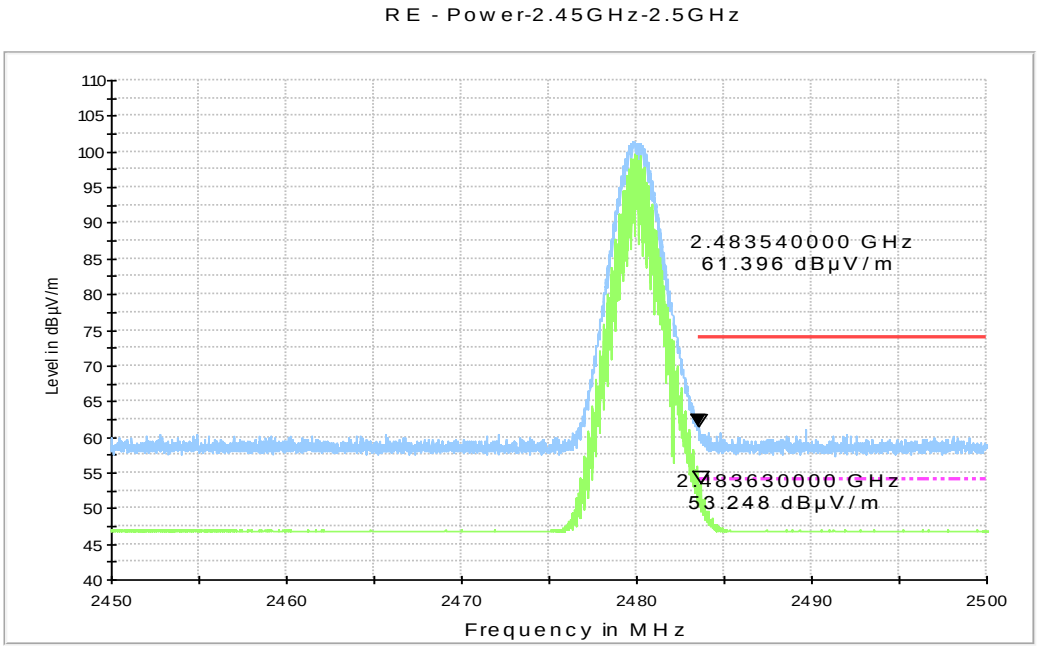

Fig.59. Radiated emission (Power) GFSK, high channel

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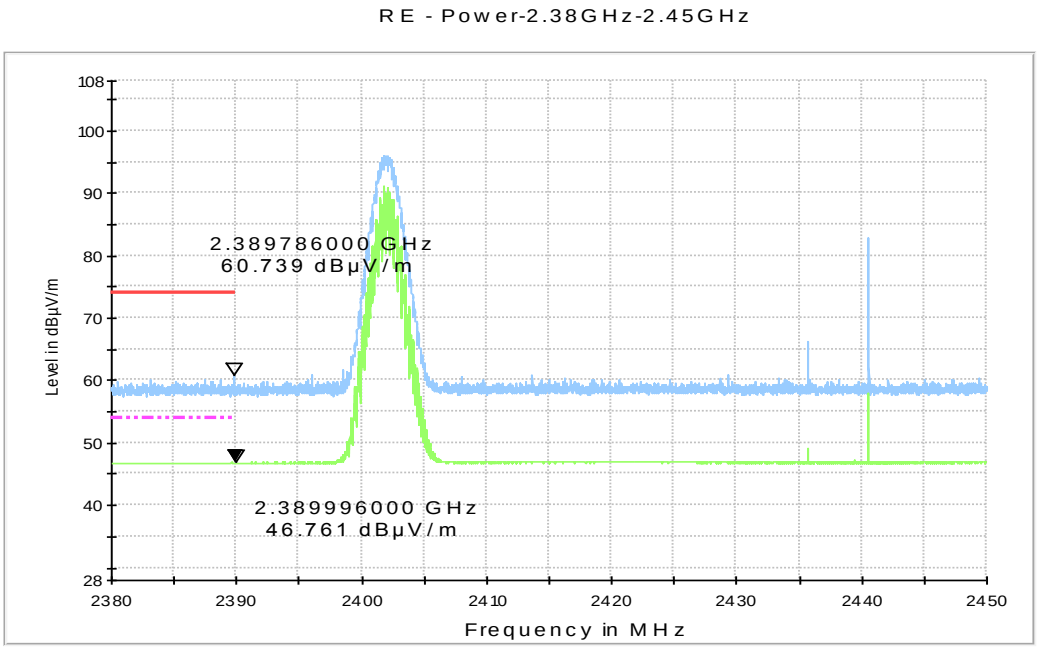

Fig.60. Radiated emission (Power): π/4 DQPSK, low channel

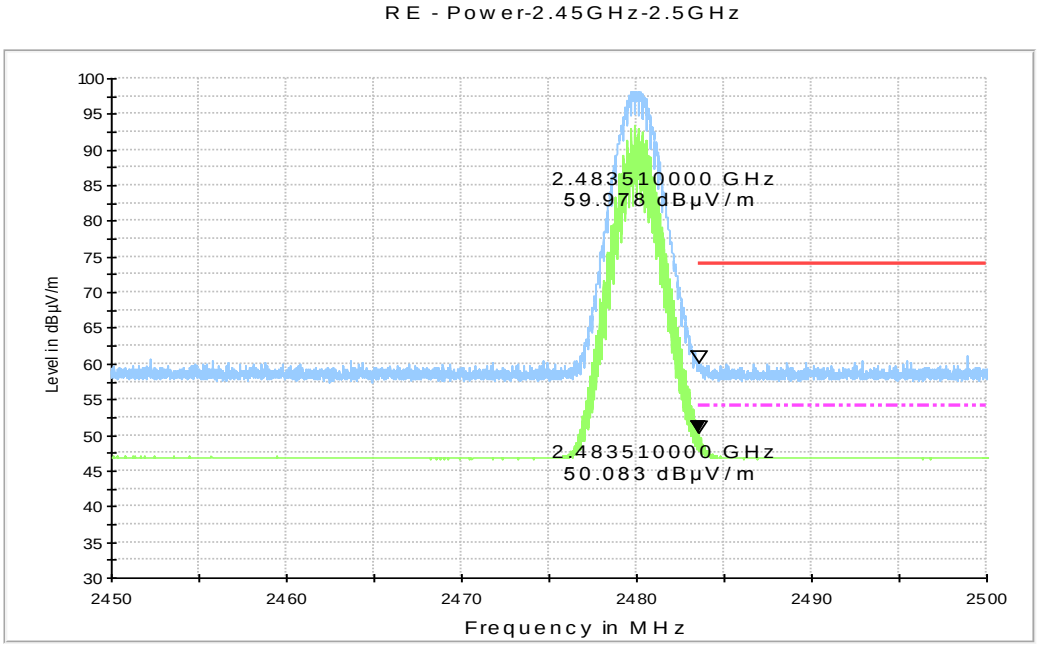

Fig.61. Radiated emission (Power): π/4 DQPSK, high channel

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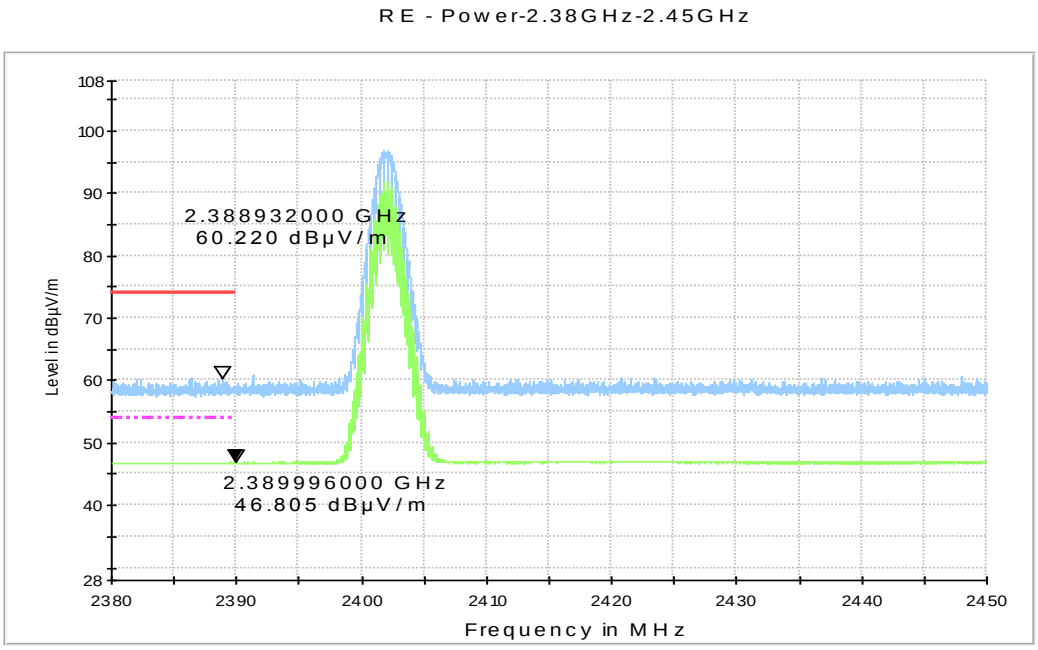

Fig.62. Radiated emission (Power): 8DPSK, low channel

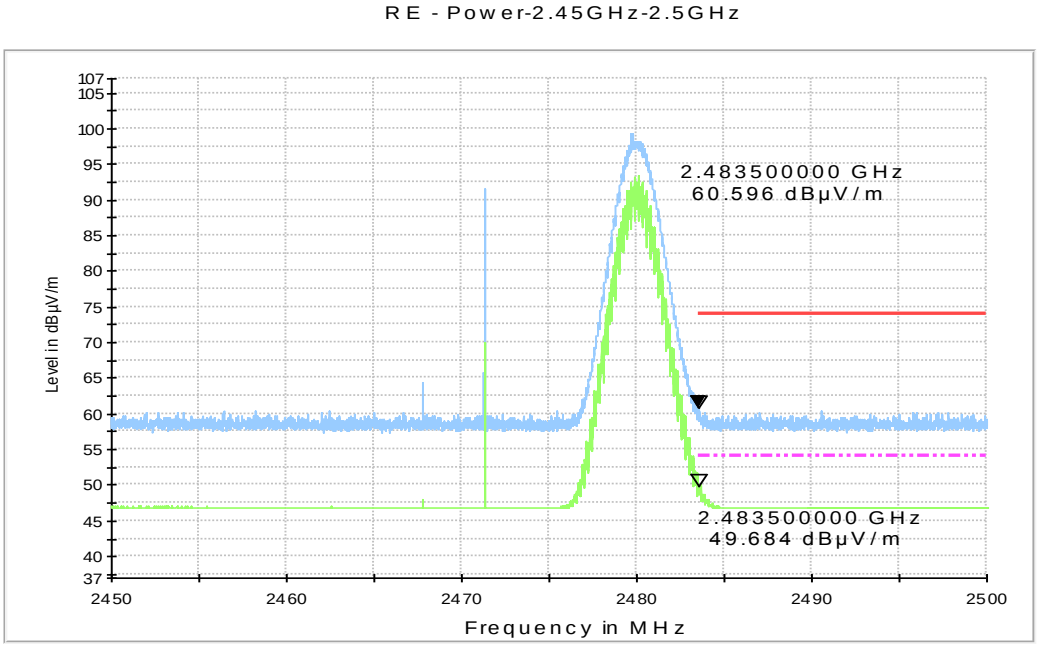

Fig.63. Radiated emission (Power): 8DPSK, high channel

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A.6. Time of Occupancy (Dwell Time)

Method of Measurement: See ANSI C63.10-clause 7.8.4

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

- Span = zero span, centered on a hopping channel
- RBW = 1 MHz
- VBW ≥ RBW
- Sweep = as necessary to capture the entire dwell time per hopping channel
- Detector function = peak
- Trace = max hold

Measure a pulse time in time domain at middle frequency and then count the hopping number in 31.6s(which equals with 0.4 multiply 79) of middle frequency ,then multiply the pulse time and hopping number and record them.

Measurement Limit:

Standard	Limit (ms)
FCC 47 CFR Part 15.247(a) (1)(iii)	< 400

Measurement Result:

For GFSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.64	120.27	P
		Fig.65		
	DH3	Fig.66	163.30	P
		Fig.67		
	DH5	Fig.68	184.40	P
		Fig.69		

For π/4 DQPSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.70	122.15	P
		Fig.71		
	DH3	Fig.72	168.56	P
		Fig.73		
	DH5	Fig.74	196.15	P
		Fig.75		

For 8DPSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.76	122.46	P
		Fig.77		
	DH3	Fig.78	168.44	P

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		Fig.79		
	DH5	Fig.80	184.73	P
		Fig.81		

Conclusion: PASS

Test graphs as below:

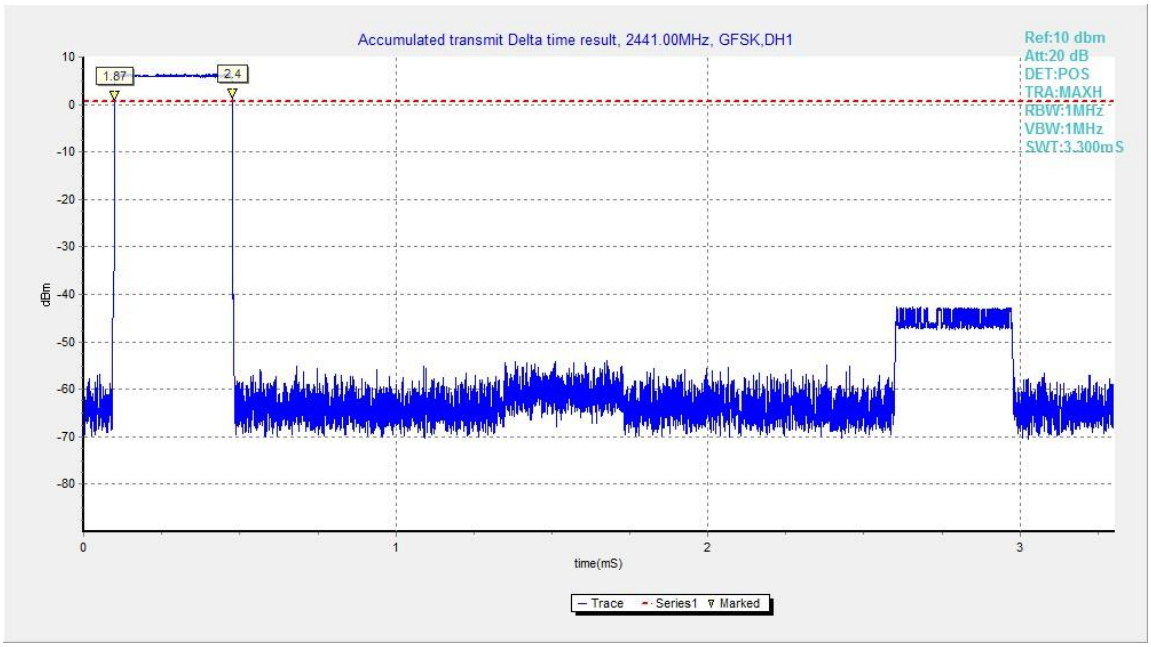

Fig.64. Time of occupancy (Dwell Time): Channel 39, Packet DH1

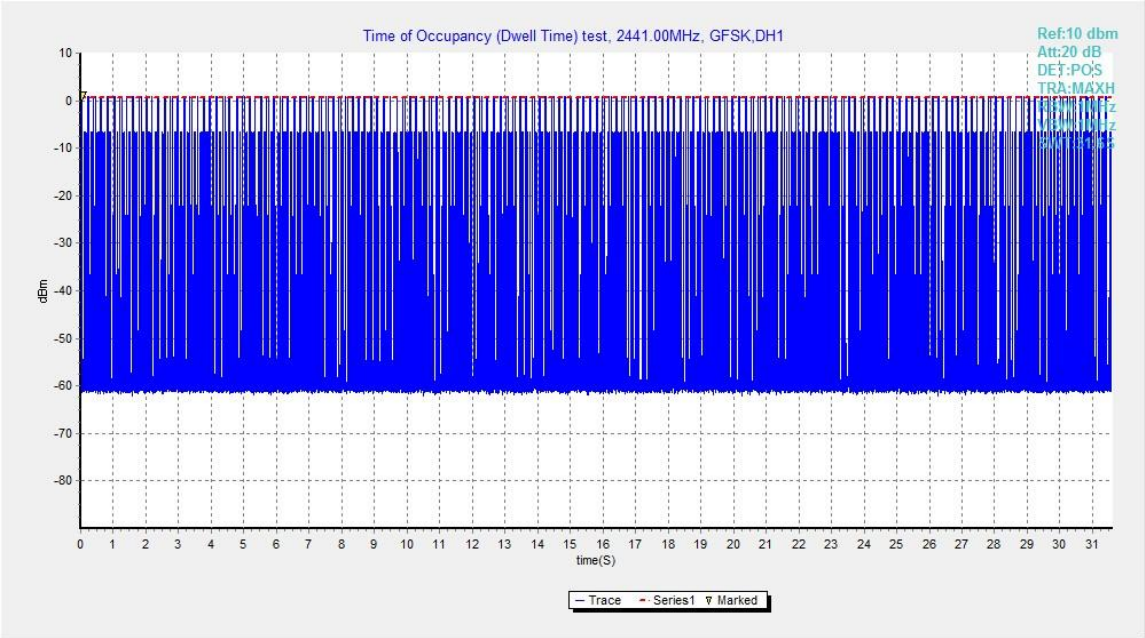

Fig.65. Number of Transmissions Measurement: Channel 39,Packet DH1

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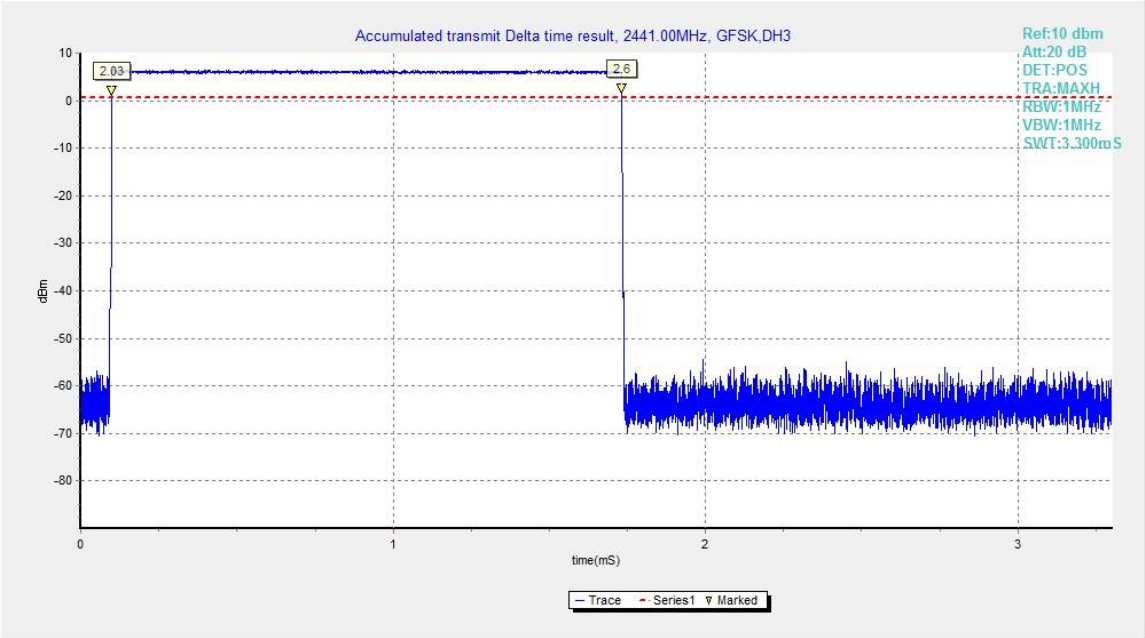

Fig.66. Time of occupancy (Dwell Time): Channel 39, Packet DH3

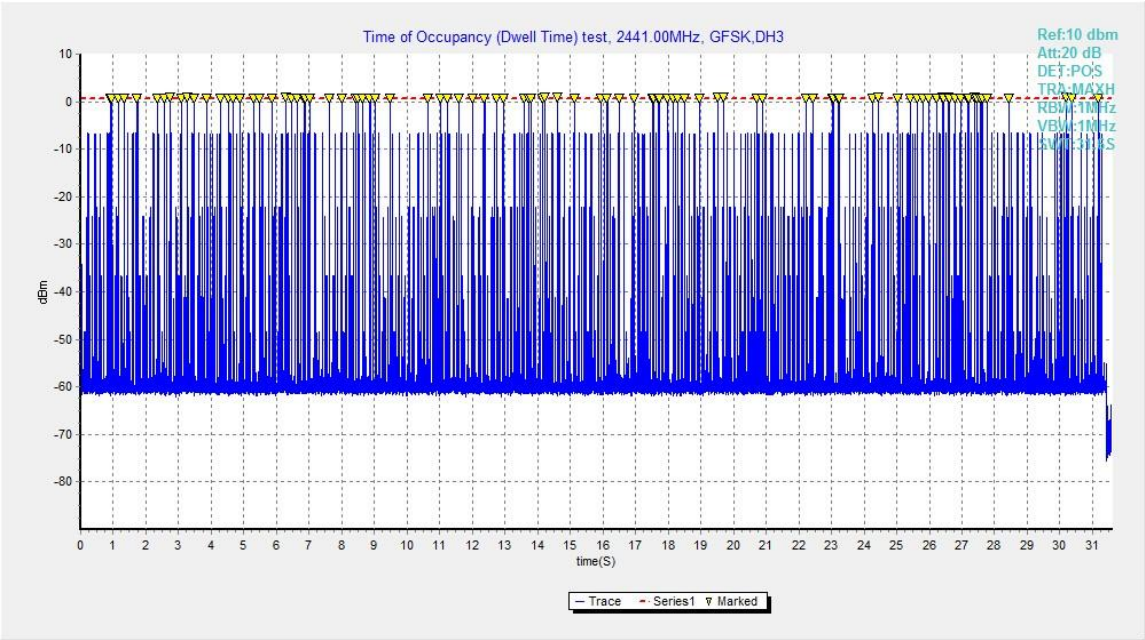

Fig.67. Number of Transmissions Measurement: Channel 39,Packet DH3

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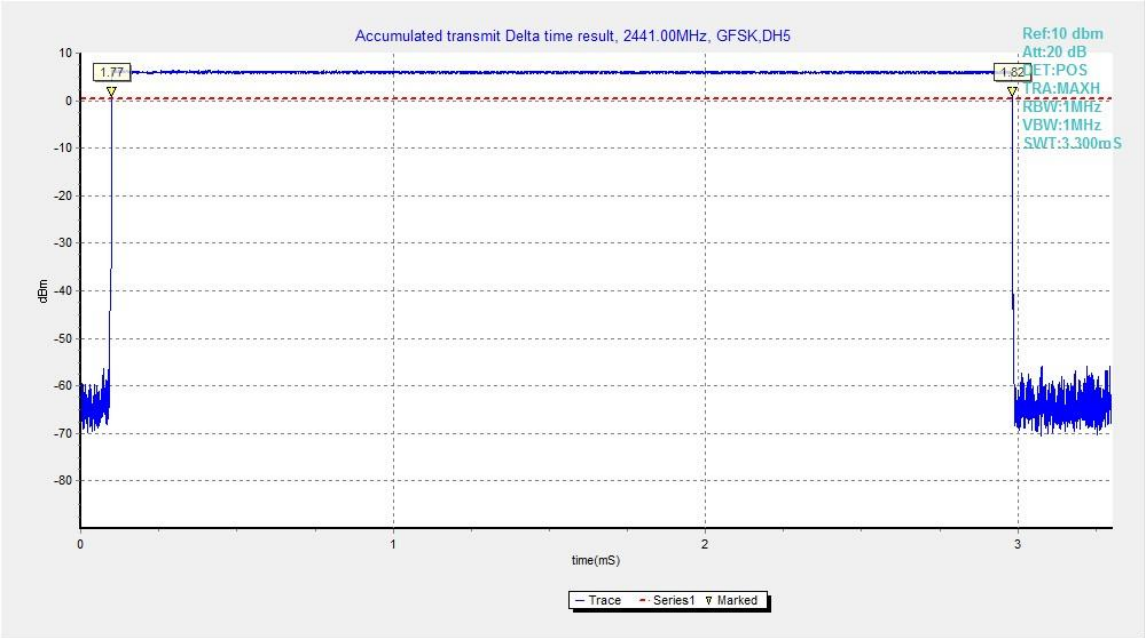

Fig.68. Time of occupancy (Dwell Time): Channel 39, Packet DH5

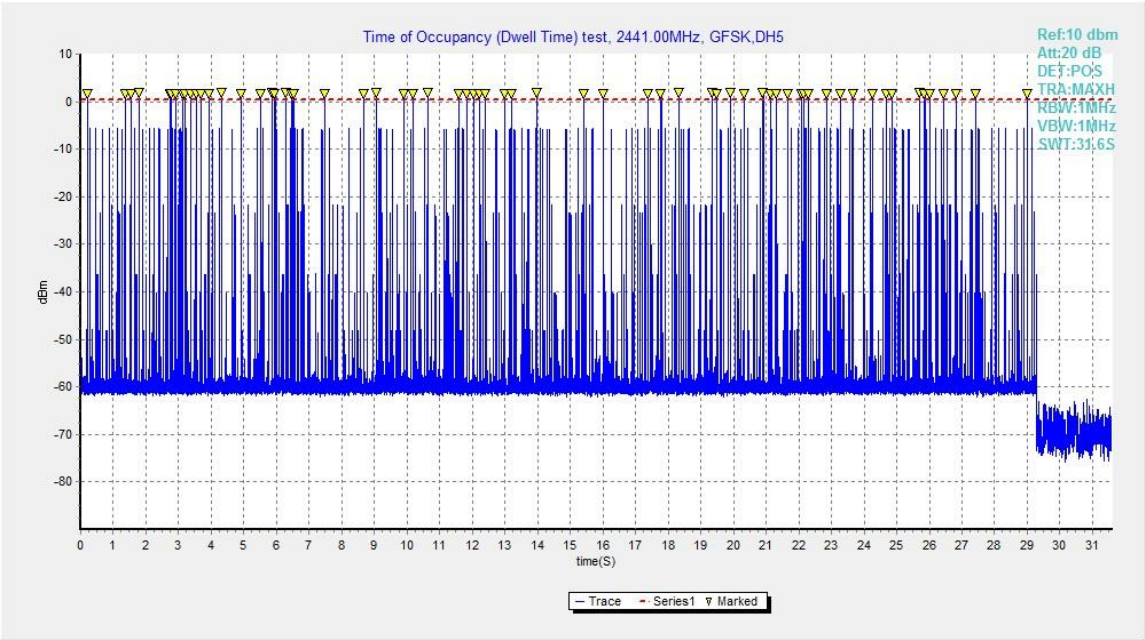

Fig.69. Number of Transmissions Measurement: Channel 39,Packet DH5

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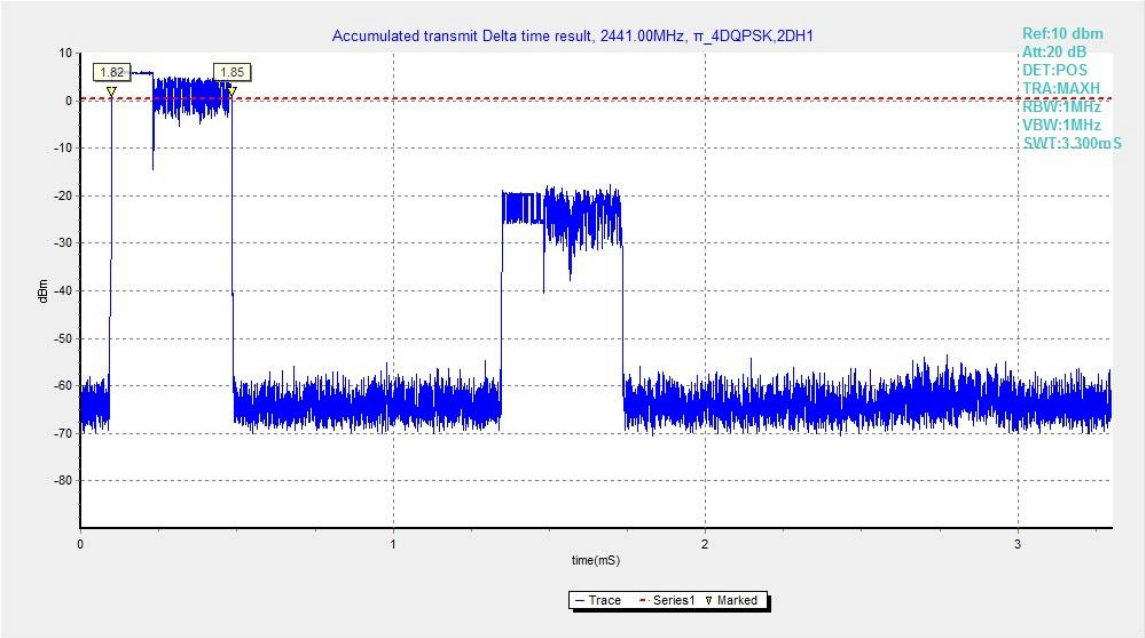

Fig.70. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH1

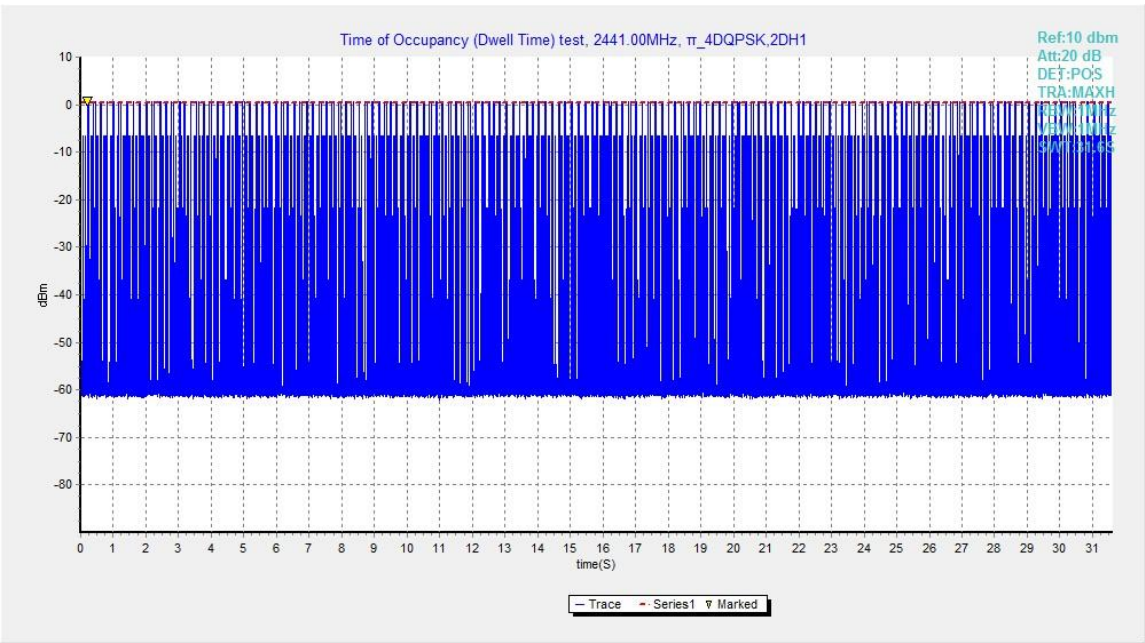

Fig.71. Number of Transmissions Measurement: Channel 39,Packet 2-DH1

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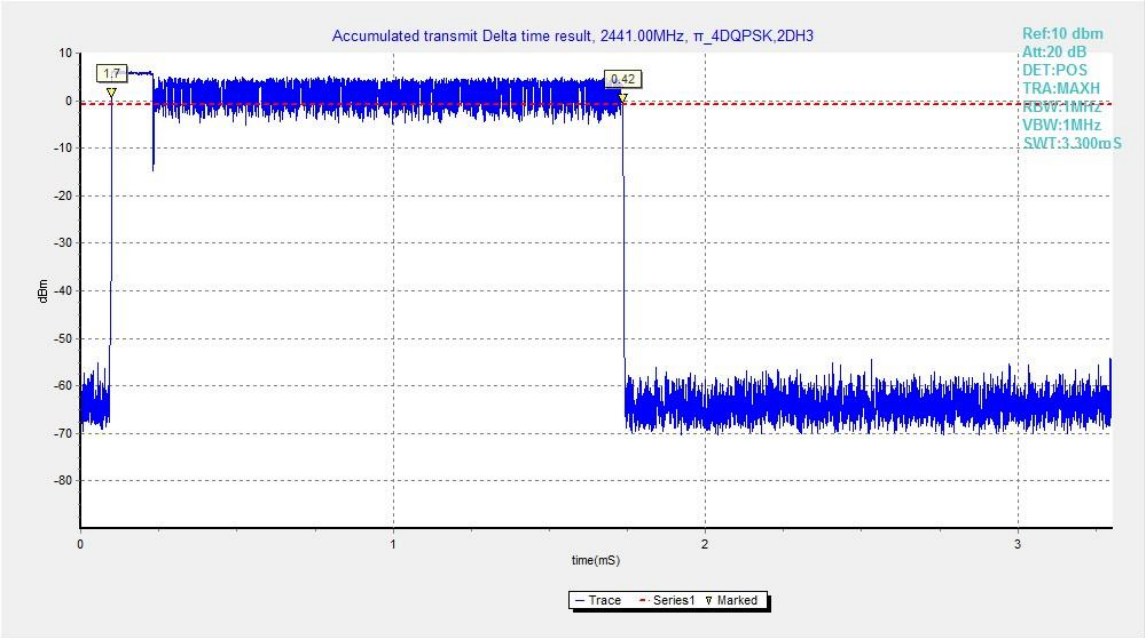

Fig.72. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH3

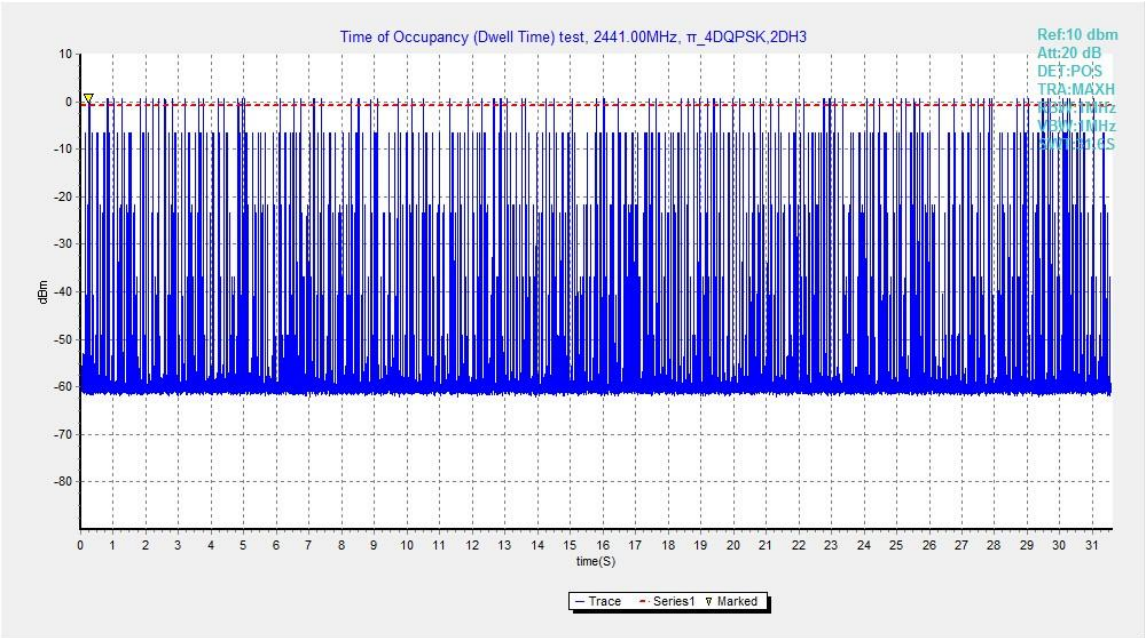

Fig.73. Number of Transmissions Measurement: Channel 39,Packet 2-DH3

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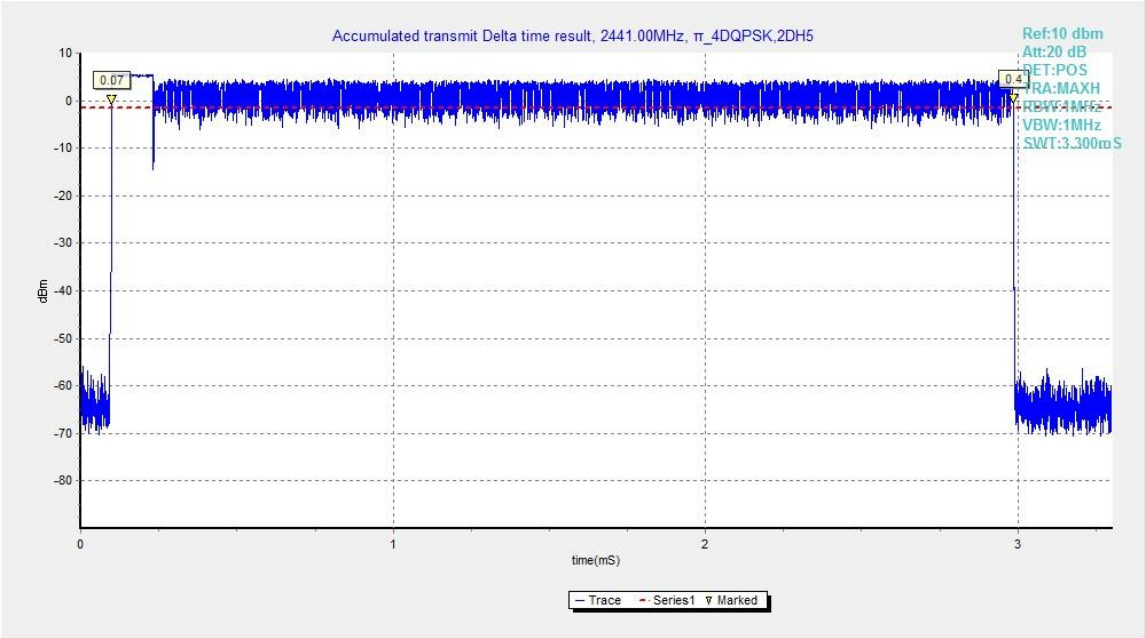

Fig.74. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH5

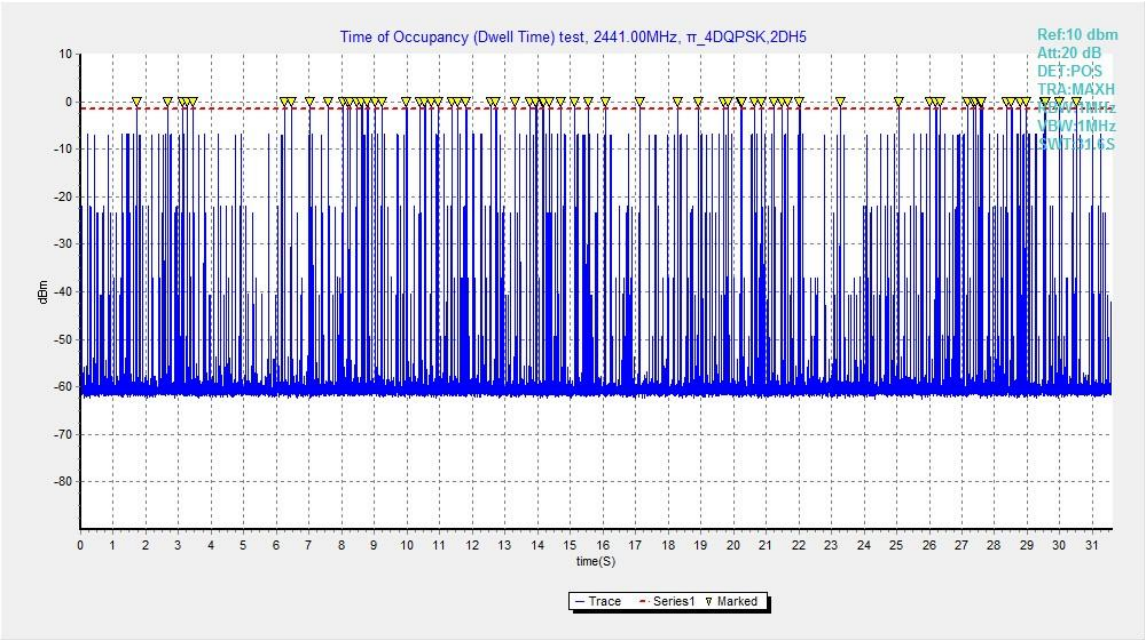

Fig.75. Number of Transmissions Measurement: Channel 39,Packet 2-DH5

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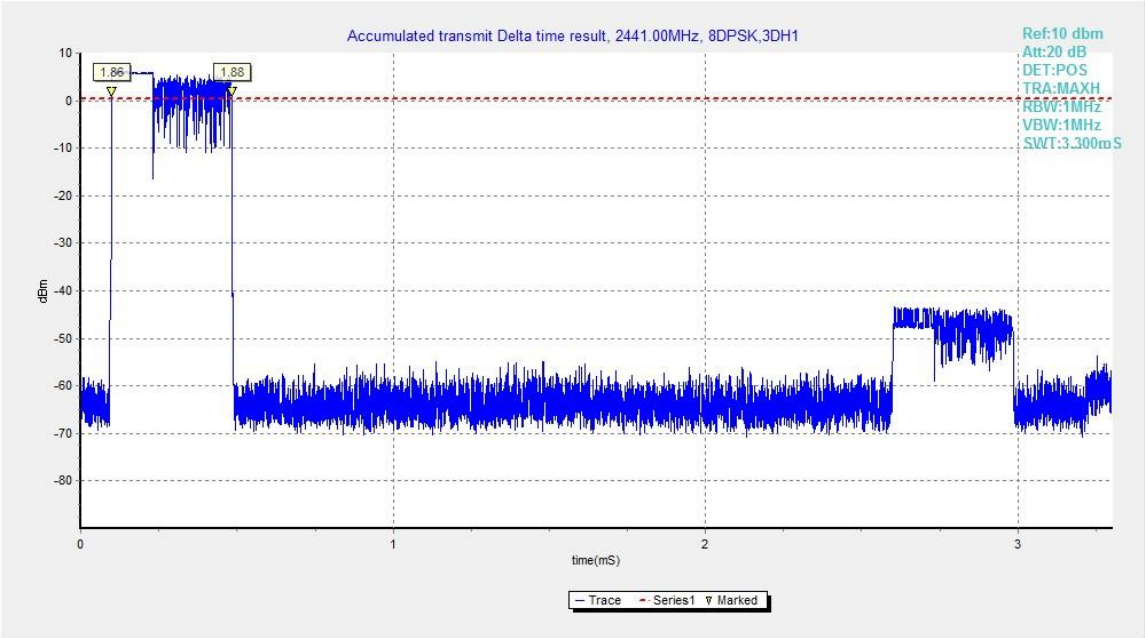

Fig.76. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH1

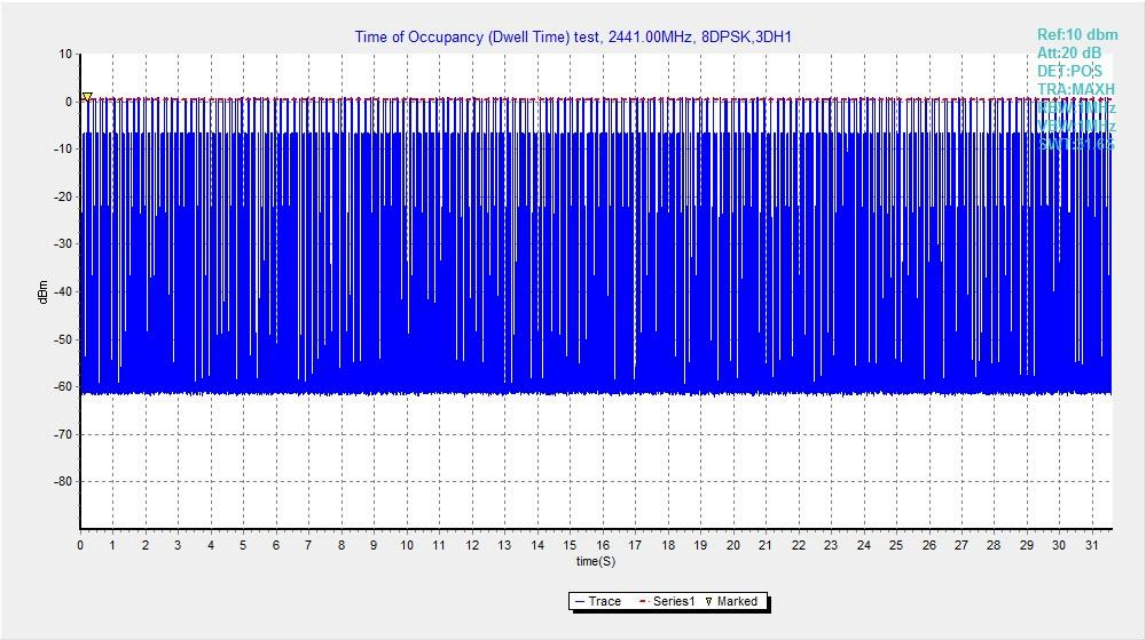

Fig.77. Number of Transmissions Measurement: Channel 39,Packet 3-DH1

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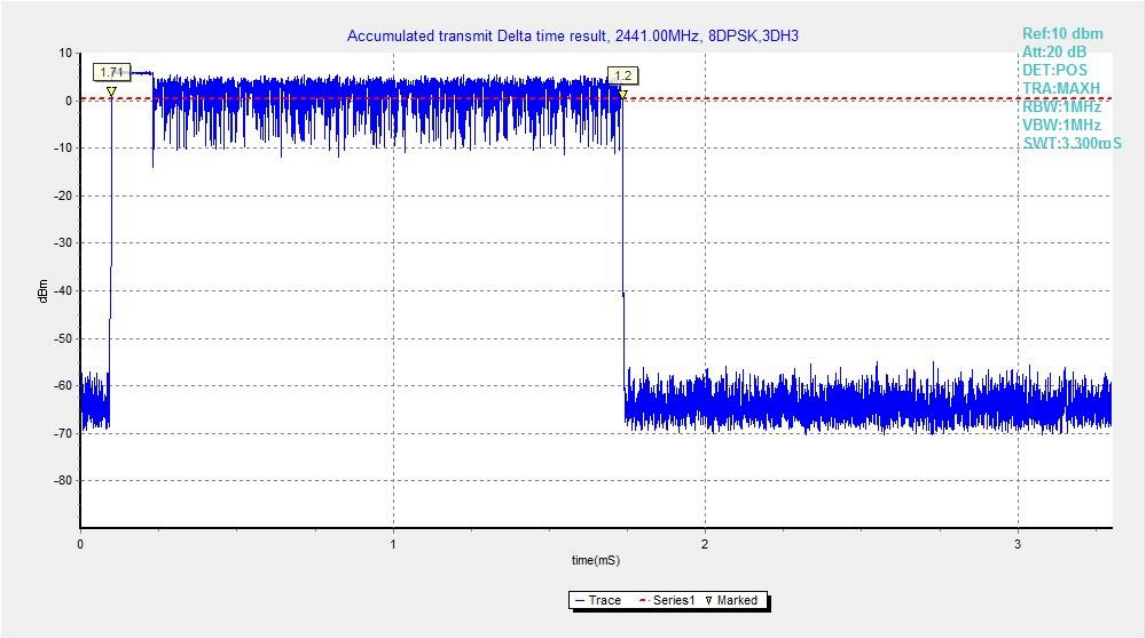

Fig.78. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH3

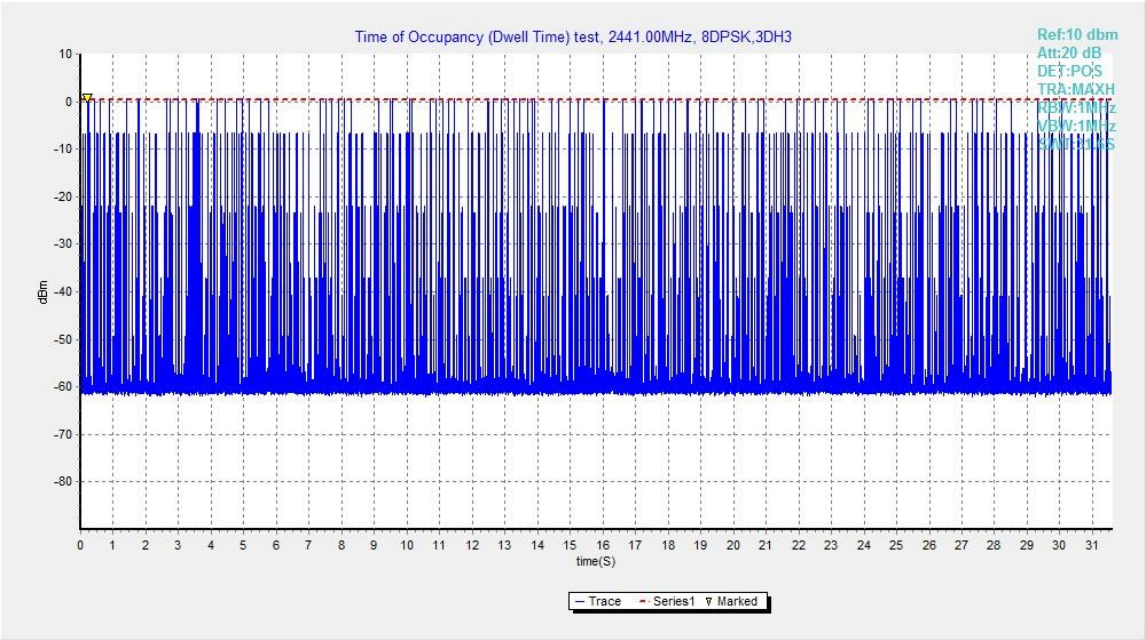

Fig.79. Number of Transmissions Measurement: Channel 39,Packet 3-DH3

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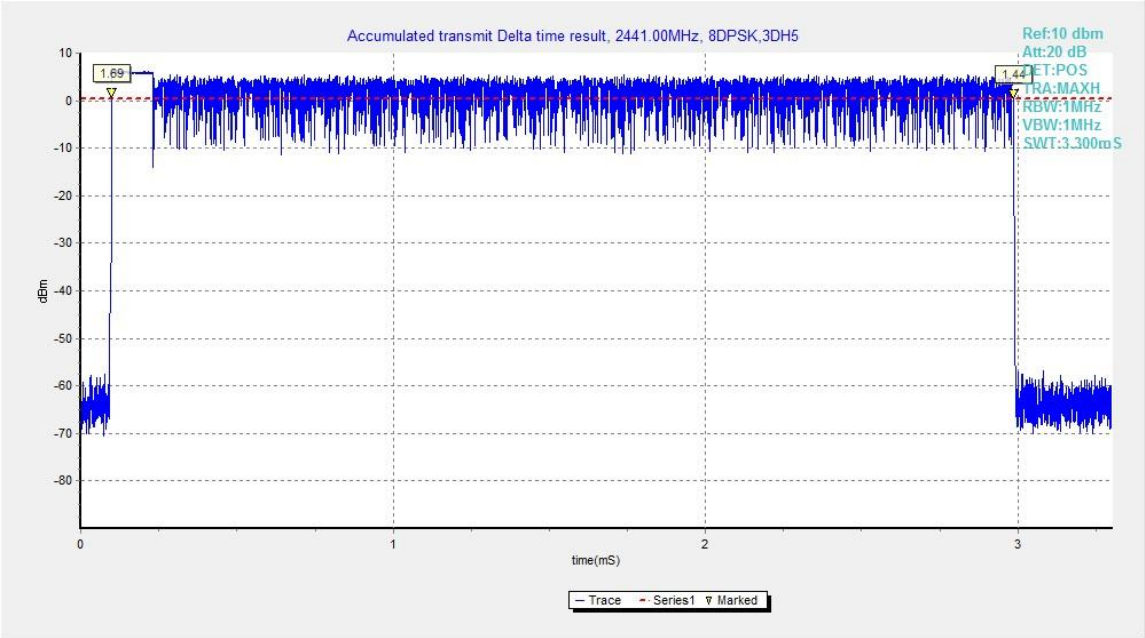

Fig.80. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH5

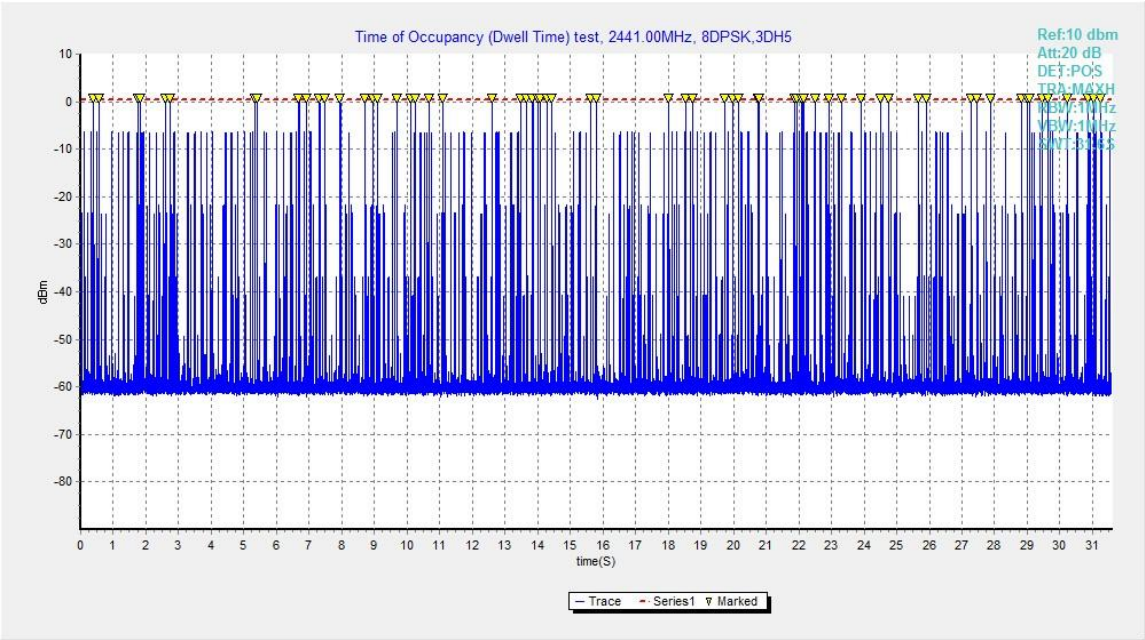

Fig.81. Number of Transmissions Measurement: Channel 39,Packet 3-DH5

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A.7. 20dB Bandwidth

Method of Measurement: See ANSI C63.10-clause 6.9.2

Measurement Procedure - Unwanted Emissions

1. Set RBW = 30kHz.

2. Set VBW = 100 kHz.

3. Set span to 3MHz

4. Detector = peak.

5. Trace Mode = max hold.

6. Sweep = auto couple.

7. Allow the trace to stabilize (this may take some time, depending on the extent of the span).

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a)(1)	NA *

Use NdB Down function of the SA to measure the 20dB Bandwidth

* Comment: This test case is not required according to the latest FCC 47 CFR Part 15.247. But the test results are necessary for “carrier frequency separation” test case, in Annex A.8.

Measurement Results:

For GFSK

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.82	953.25	NA
39	Fig.83	943.50	NA
78	Fig.84	955.50	NA

For π/4 DQPSK

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.85	1233.00	NA
39	Fig.86	1225.50	NA
78	Fig.87	1255.50	NA

For 8DPSK

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.88	1244.25	NA
39	Fig.89	1205.25	NA
78	Fig.90	1260.75	NA

Conclusion: NA

Test graphs as below:

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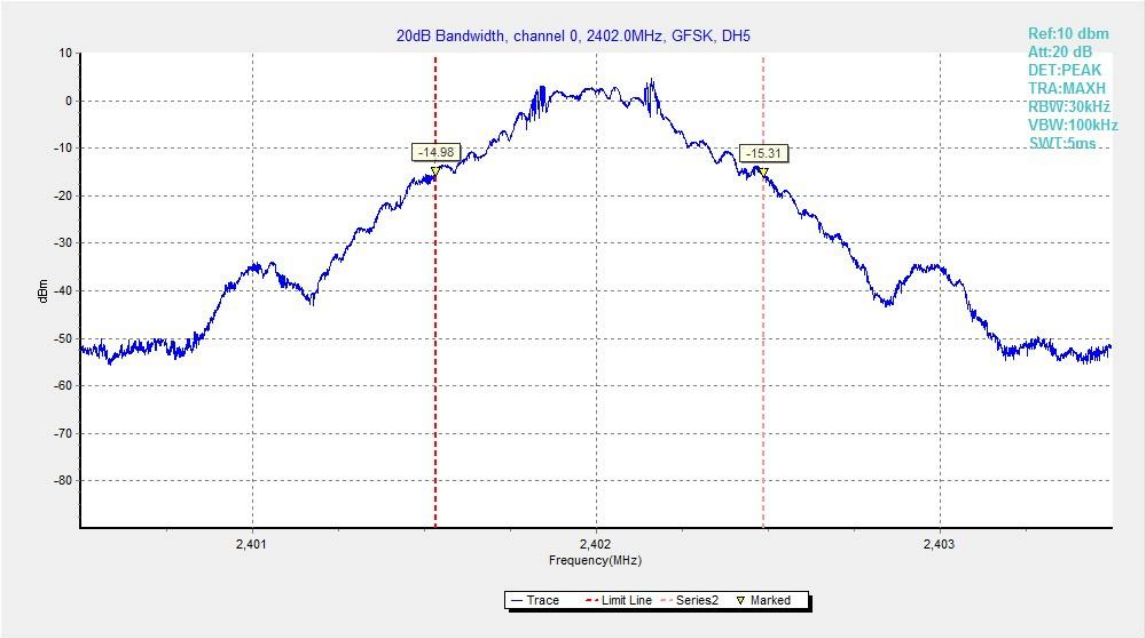

Fig.82. 20dB Bandwidth: GFSK, Channel 0

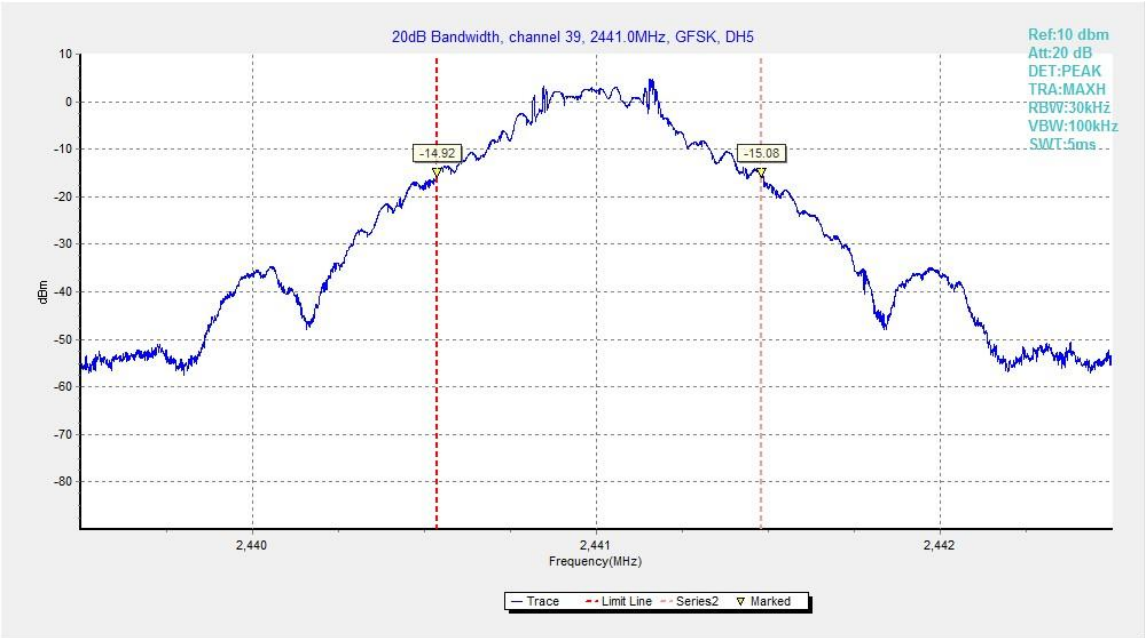

Fig.83. 20dB Bandwidth: GFSK, Channel 39

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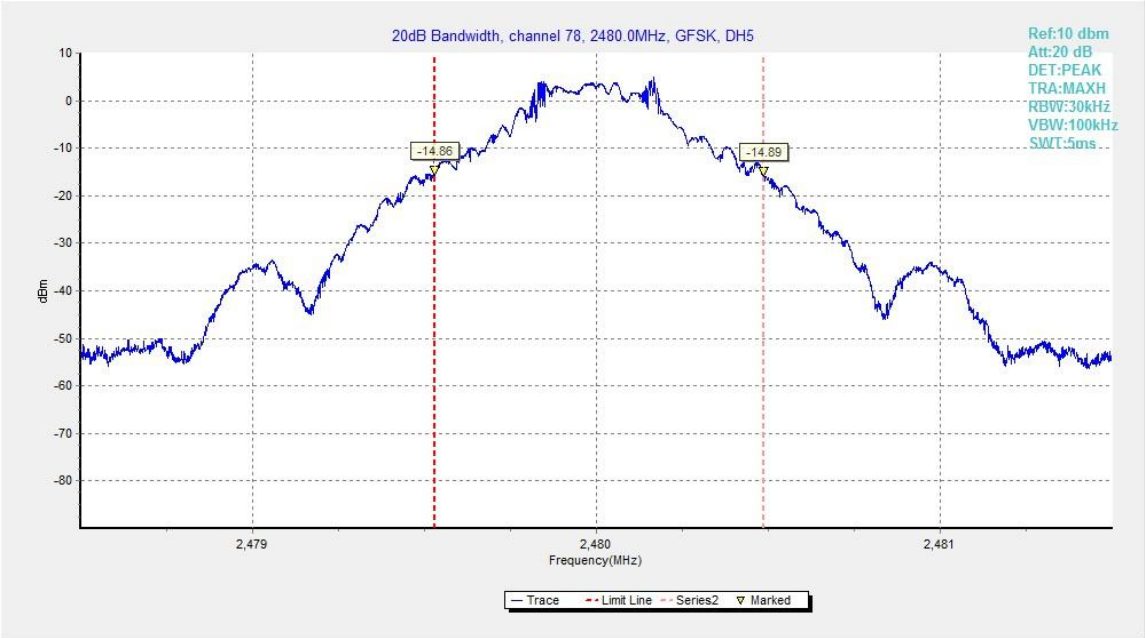

Fig.84. 20dB Bandwidth: GFSK, Channel 78

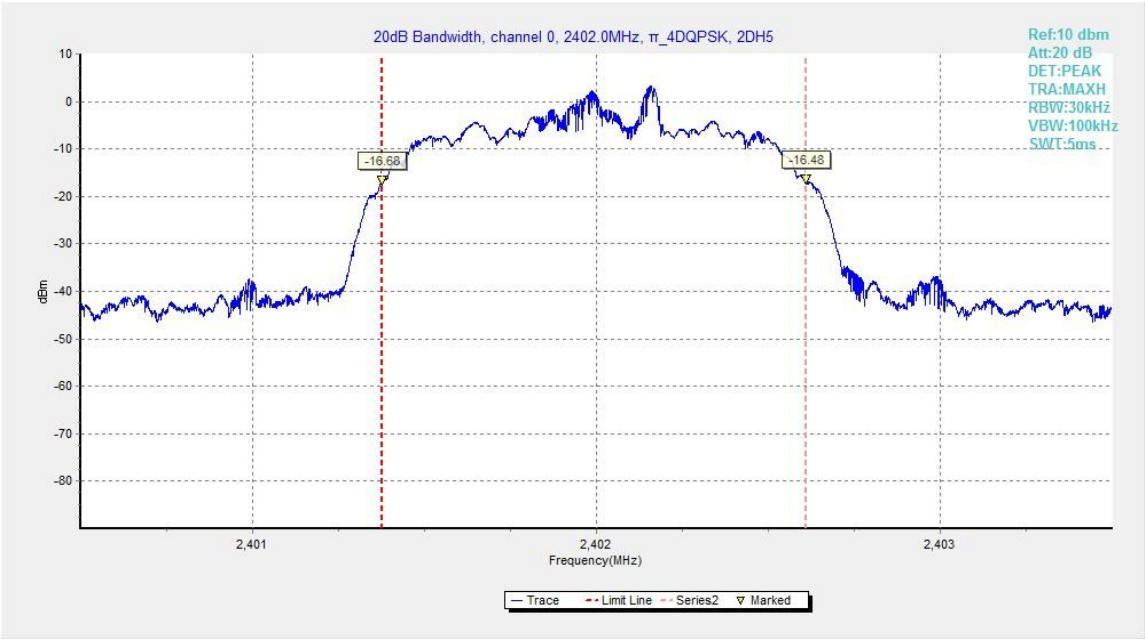

Fig.85. 20dB Bandwidth: π/4 DQPSK, Channel 0

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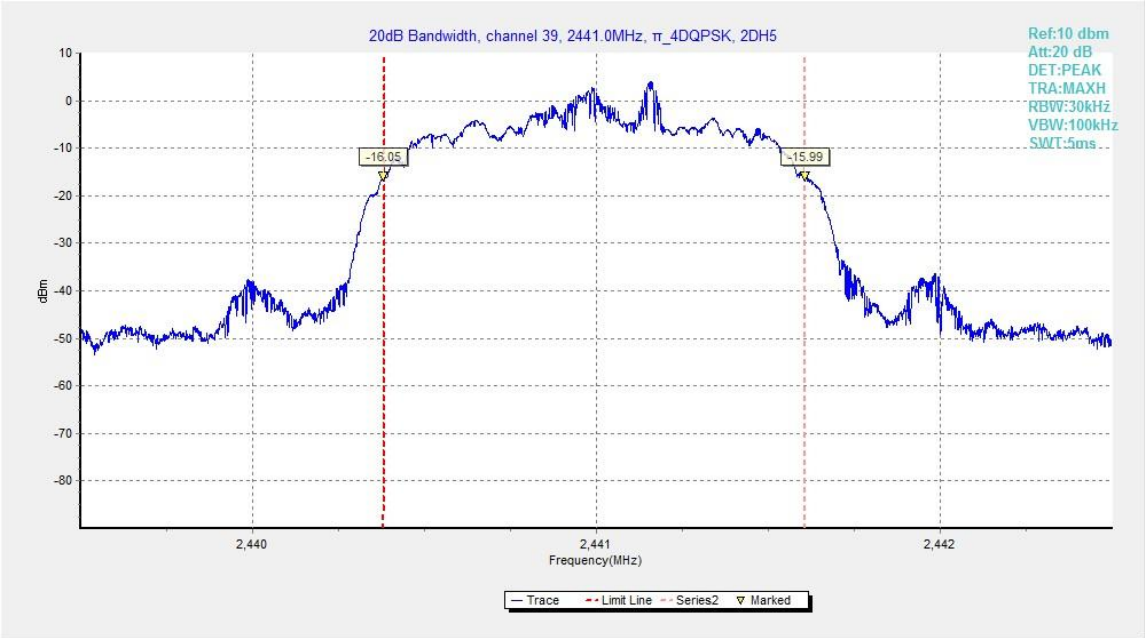

Fig.86. 20dB Bandwidth: π/4 DQPSK, Channel 39

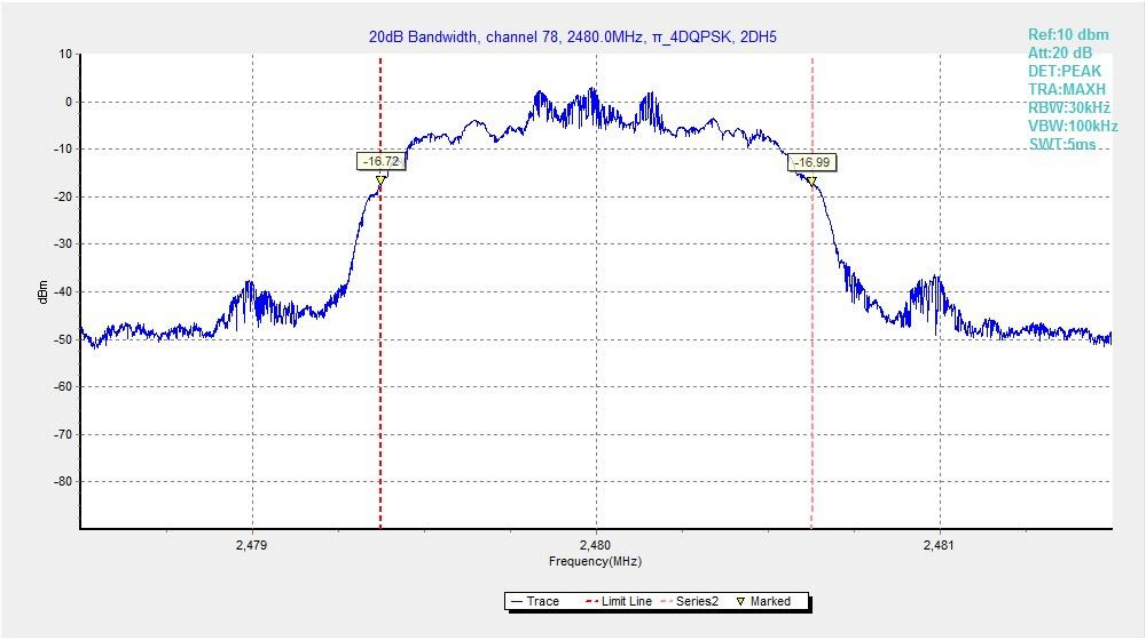

Fig.87. 20dB Bandwidth: π/4 DQPSK, Channel 78

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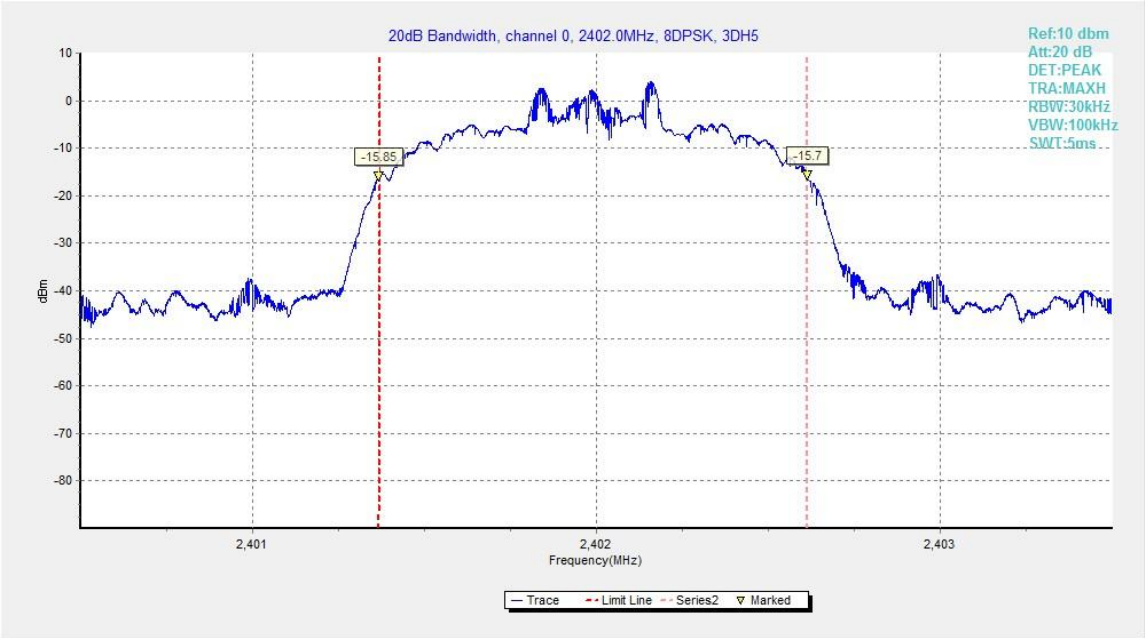

Fig.88. 20dB Bandwidth: 8DPSK, Channel 0

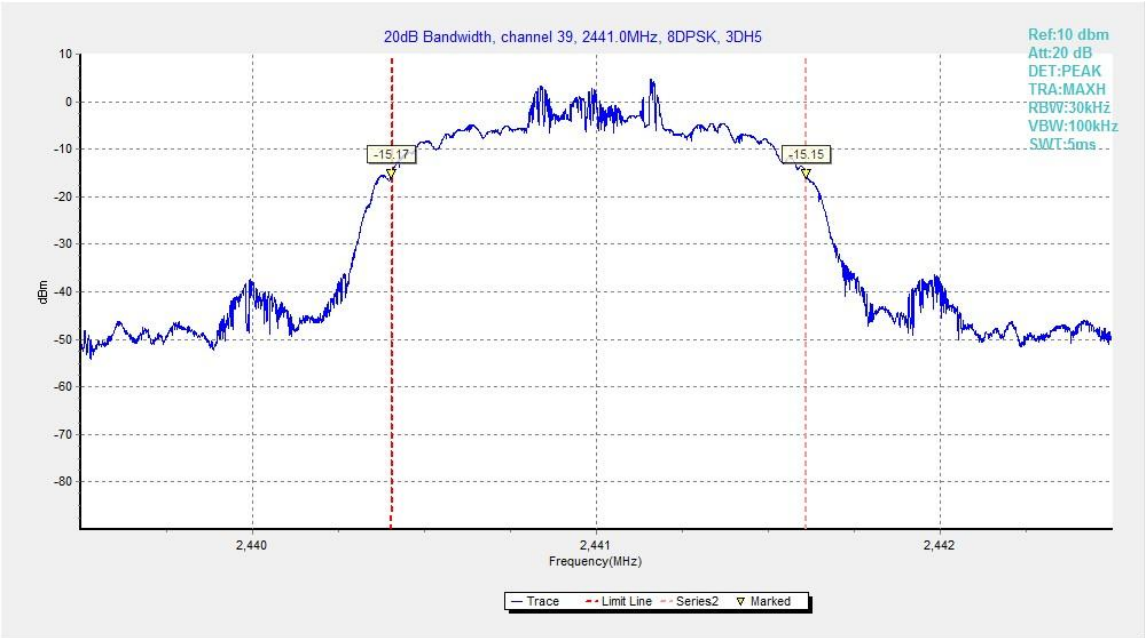

Fig.89. 20dB Bandwidth: 8DPSK, Channel 39

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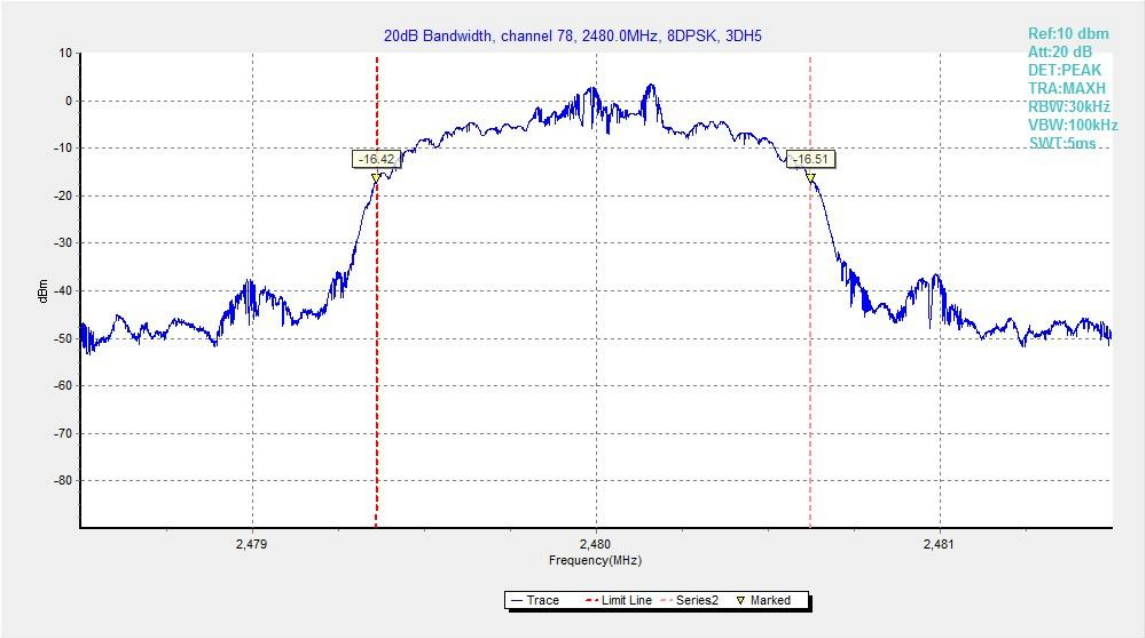

Fig.90. 20dB Bandwidth: 8DPSK, Channel 78

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A.8. Carrier Frequency Separation

Method of Measurement: See ANSI C63.10-clause 7.8.2

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

- Span = 3MHz
- RBW=300kHz
- VBW=300kHz
- Sweep = auto
- Detector function = peak
- Trace = max hold
- Allow the trace to stabilize

Search the peak marks of the middle frequency and adjacent channel, then record the separation between them.

＊Comment: This limit should be over 25 kHz or (2/3) * 20dB bandwidth, whichever is greater.

Measurement Limit:

Standard	Limit(kHz)
FCC 47 CFR Part 15.247(a)(1)	over 25 kHz or (2/3) * 20dB bandwidth

Measurement Result:

For GFSK

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.91	1014.00	P

For π/4 DQPSK

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.92	1319.25	P

For 8DPSK

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.93	996.75	P

Conclusion: PASS

Test graphs as below:

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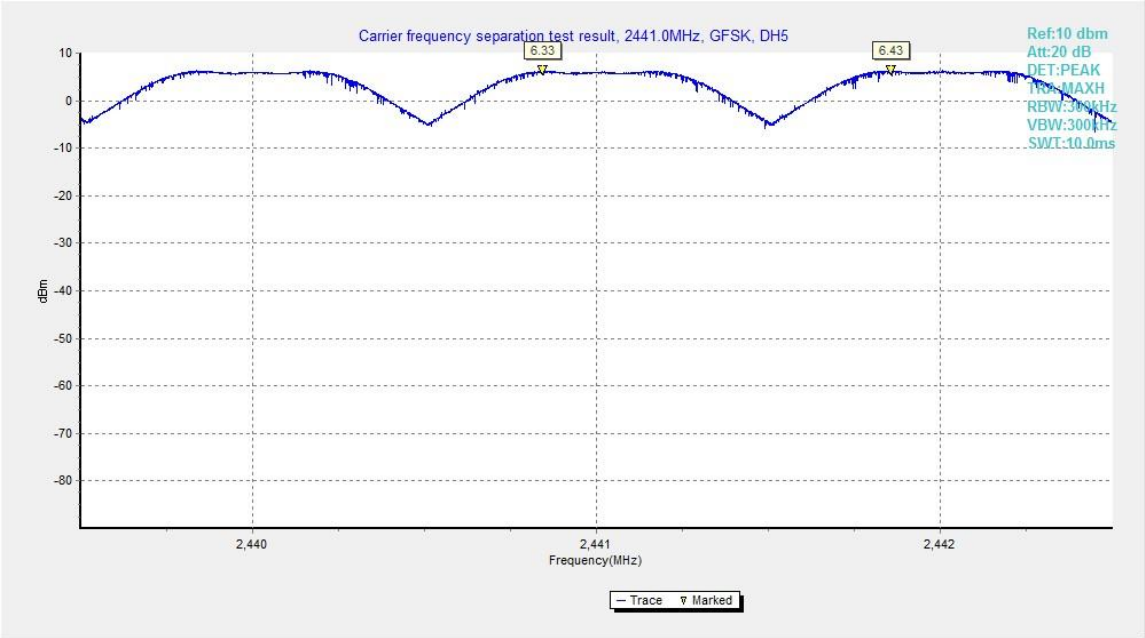

Fig.91. Carrier frequency separation measurement: GFSK, Channel 39

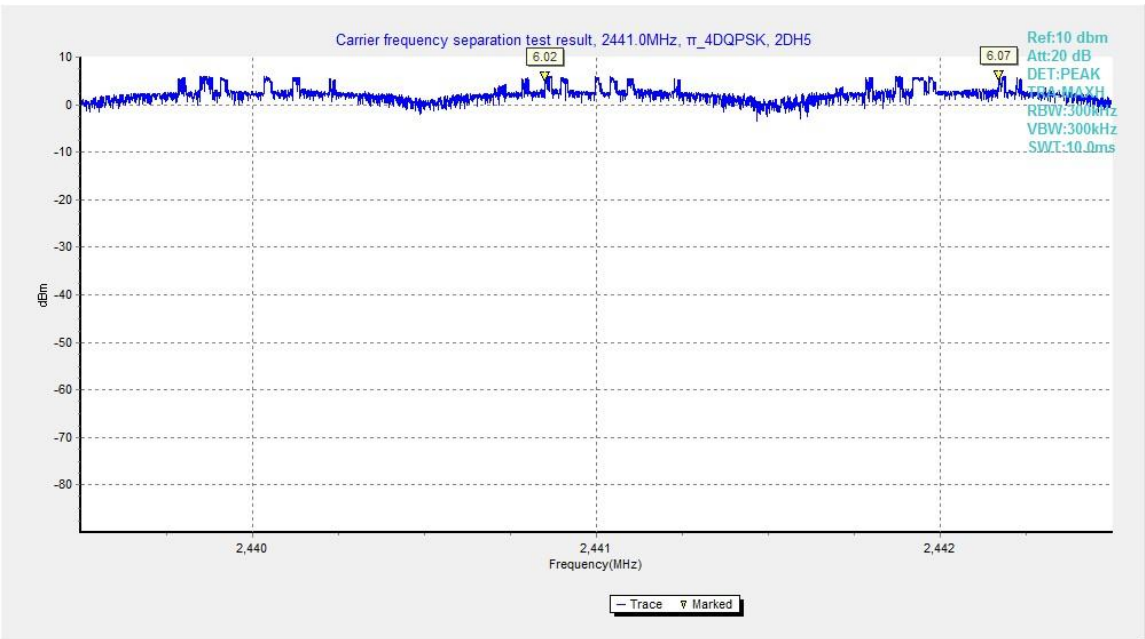

Fig.92. Carrier frequency separation measurement: π/4 DQPSK, Channel 39

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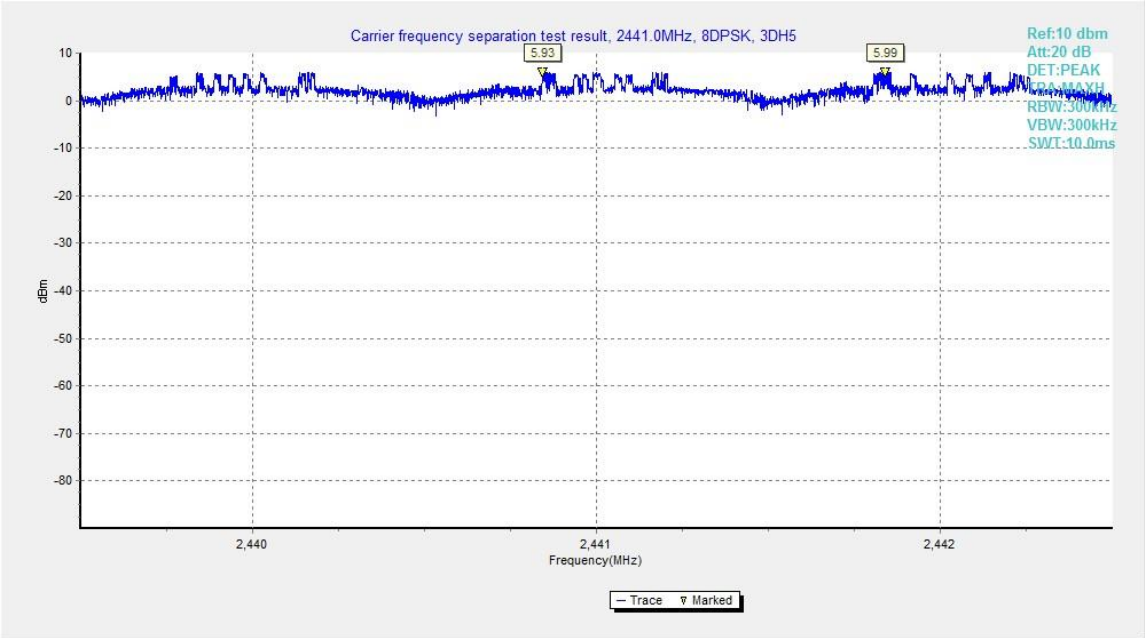

Fig.93. Carrier frequency separation measurement: 8DPSK, Channel 39

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A.9. Number of Hopping Channels

Method of Measurement: See ANSI C63.10-clause 7.8.3

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

- Span = the frequency band of operation
- RBW = 500kHz
- VBW = 500kHz
- Sweep = auto
- Detector function = peak
- Trace = max hold
- Allow the trace to stabilize

It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report.

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) (1)(iii)	At least 15 non-overlapping channels

Measurement Result:

For GFSK

Channel	Number of hopping channels		Conclusion
0~39	Fig.94	79	P
40~78	Fig.95		

Forπ/4 DQPSK

Channel	Number of hopping channels		Conclusion
0~39	Fig.96	79	P
40~78	Fig.97		

For 8DPSK

Channel	Number of hopping channels		Conclusion
0~39	Fig.98	79	P
40~78	Fig.99		

Conclusion: PASS

Test graphs as below:

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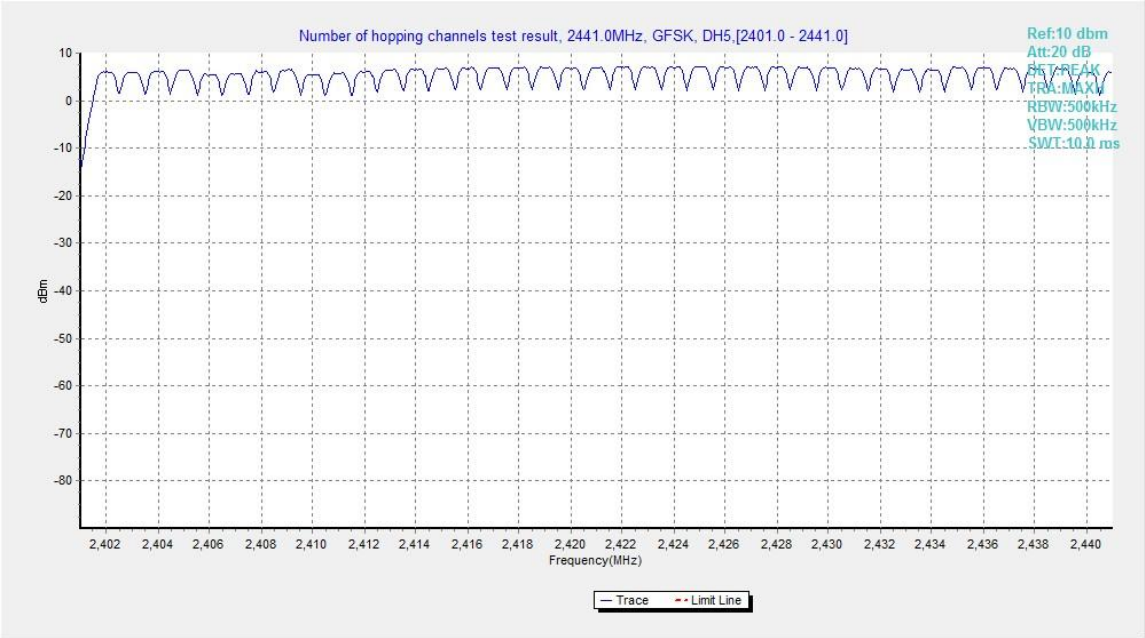

Fig.94. Number of hopping frequencies: GFSK, Channel 0 - 39

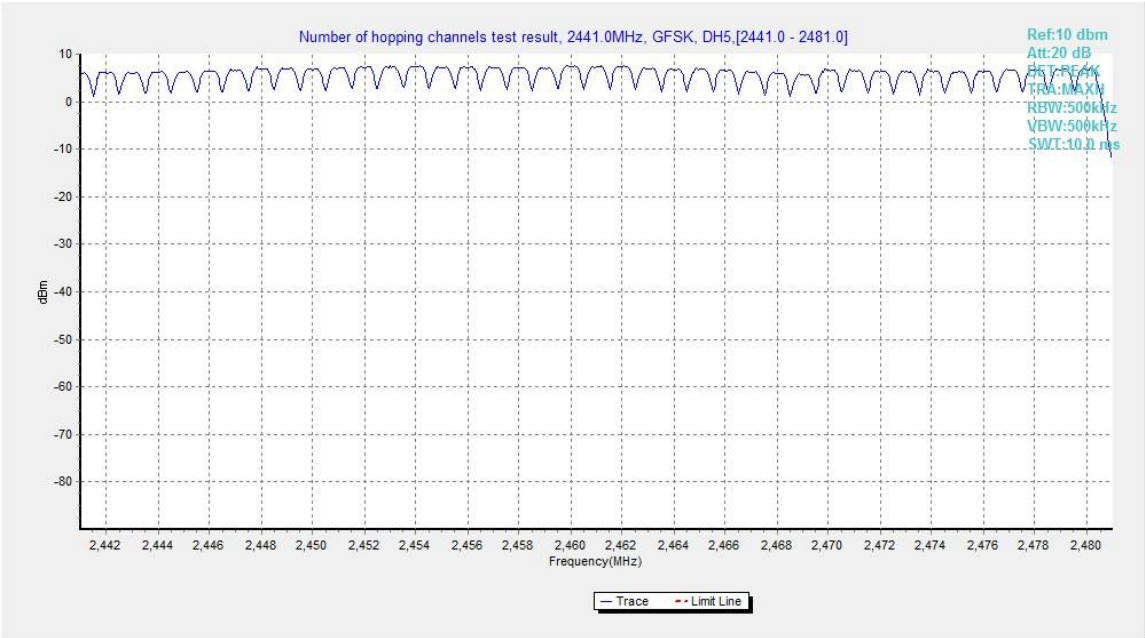

Fig.95. Number of hopping frequencies: GFSK, Channel 40 - 78

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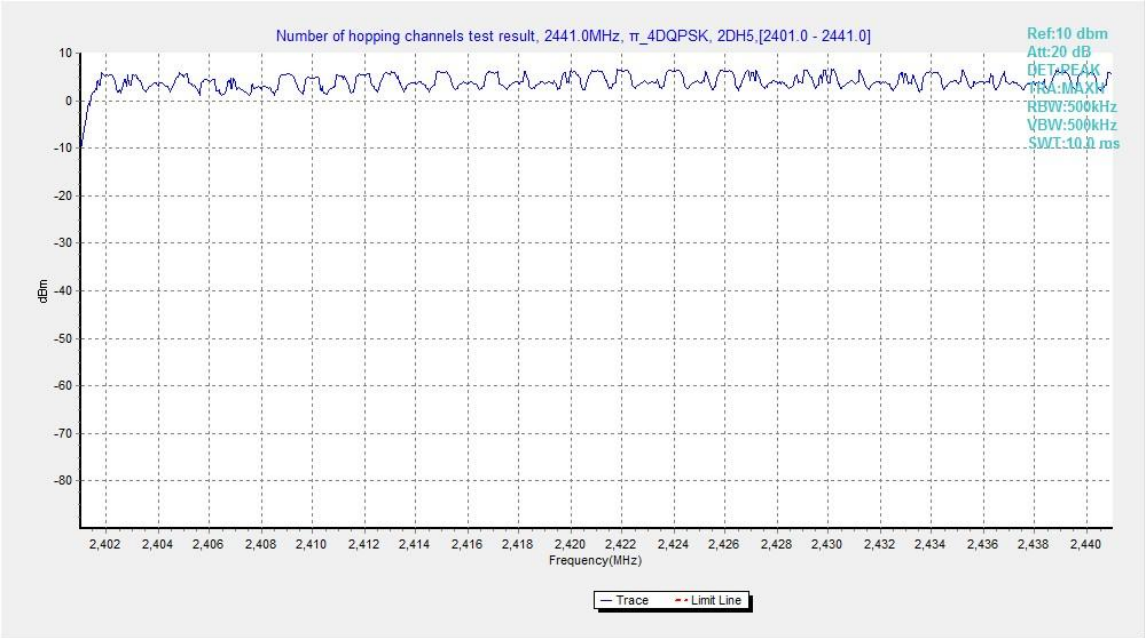

Fig.96. Number of hopping frequencies: π/4 DQPSK, Channel 0 - 39

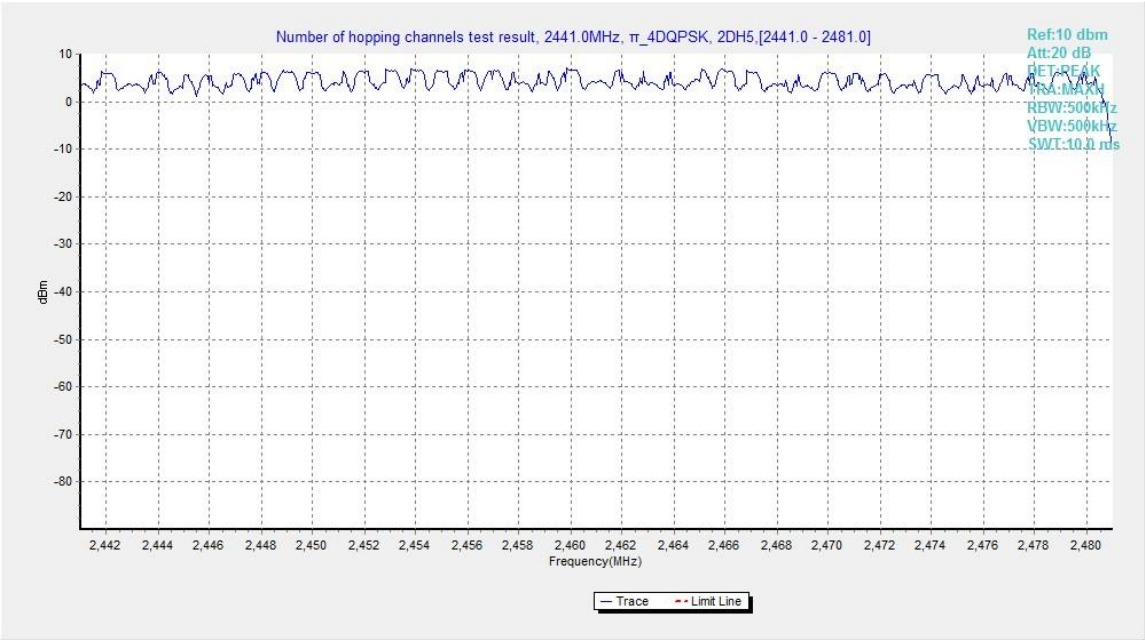

Fig.97. Number of hopping frequencies: π/4 DQPSK, Channel 40 - 78

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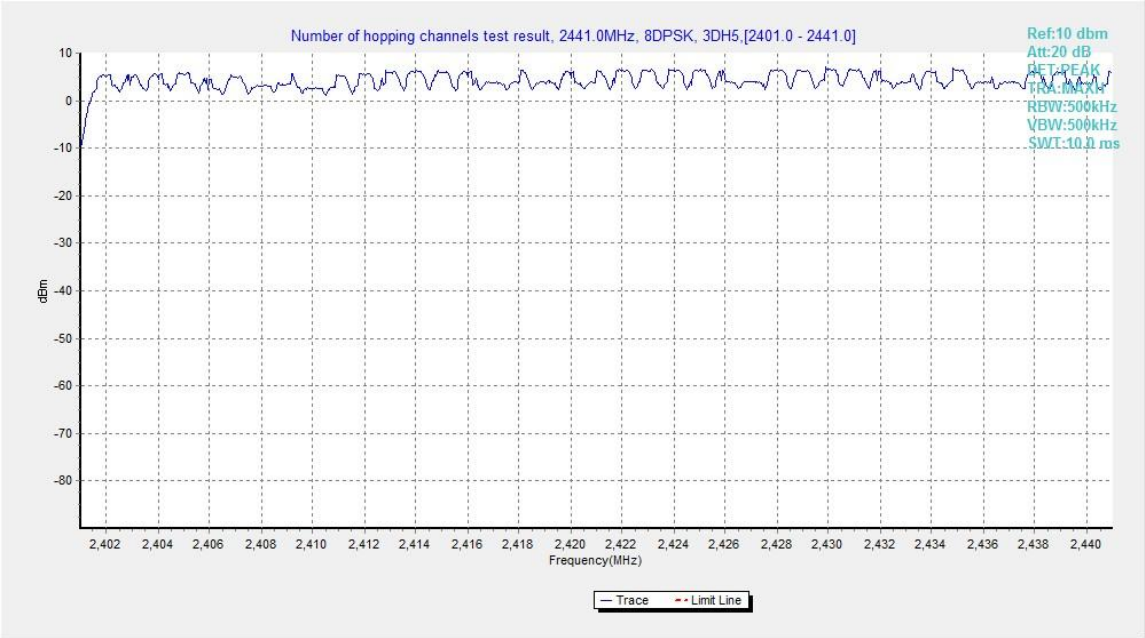

Fig.98. Number of hopping frequencies: 8DPSK, Channel 0 - 39

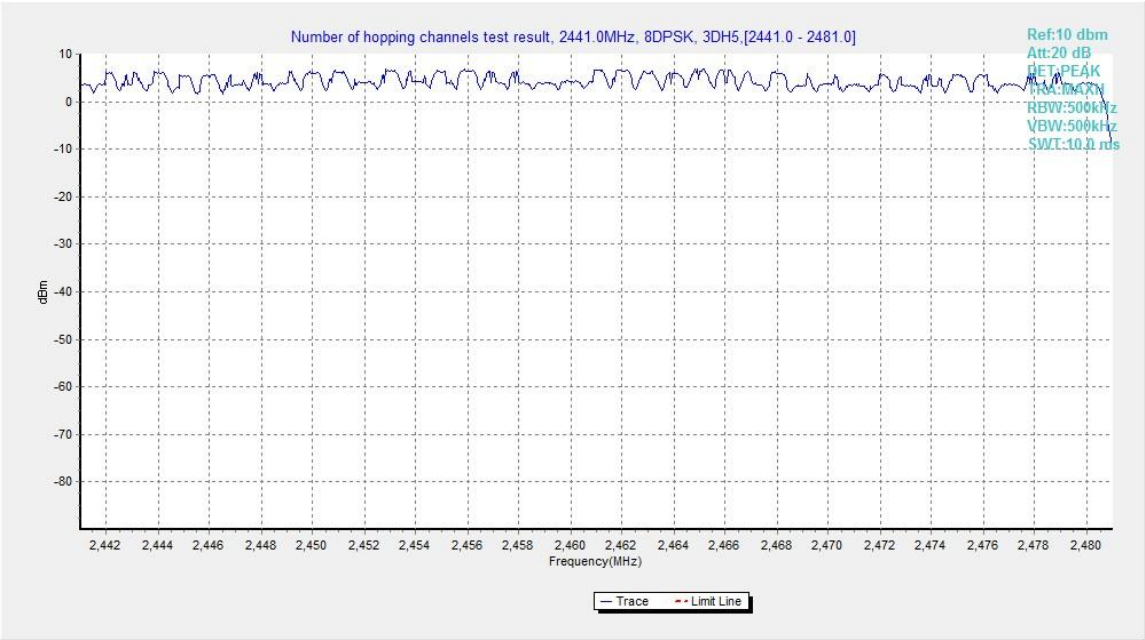

Fig.99. Number of hopping frequencies: 8DPSK, Channel 40 - 78

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A.10. AC Powerline Conducted Emission

Method of Measurement: See ANSI C63.10-clause 6.2

1. the one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
2. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
3. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
4. If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.
5. If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.36 Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

Test Condition

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:
Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Conclusion
0.15 to 0.5	66 to 56	P
0.5 to 5	56	
5 to 30	60	
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

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Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Conclusion
0.15 to 0.5	56 to 46	P
0.5 to 5	46	
5 to 30	50	
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

The measurement is made according to ANSI C63.10

Conclusion: PASS

Test graphs as below:

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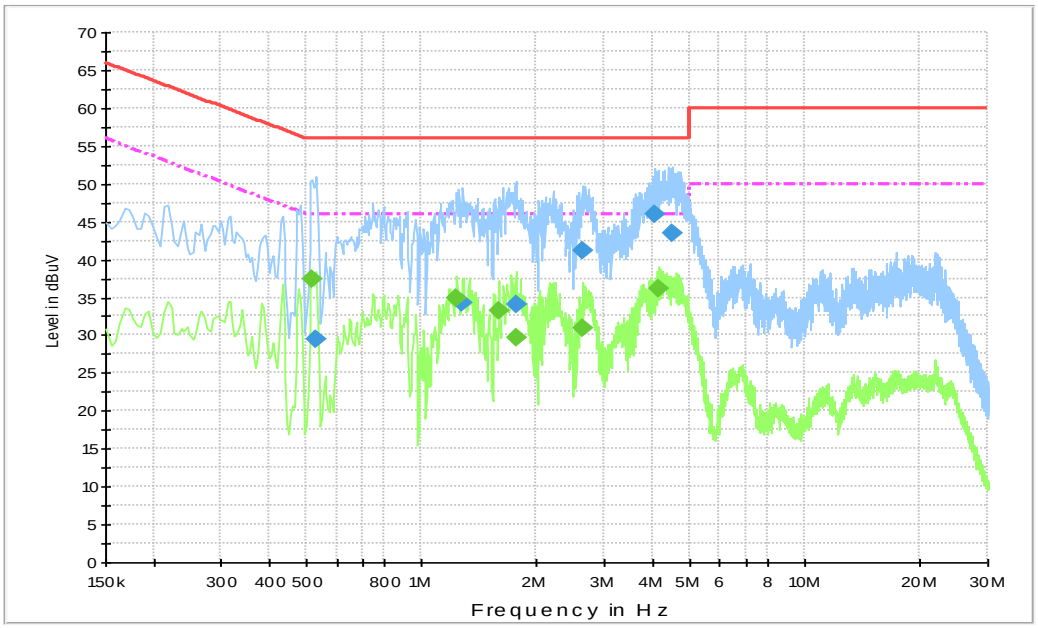
Traffic (With AE3):



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.532500	29.4	10000.0	9.000	GND	N	10.3	26.6	56.0
1.279500	34.3	10000.0	9.000	GND	N	10.4	21.7	56.0
1.761000	34.1	10000.0	9.000	GND	N	10.4	21.9	56.0
2.629500	41.3	10000.0	9.000	GND	L1	10.5	14.7	56.0
4.042500	45.9	10000.0	9.000	GND	L1	10.5	10.1	56.0
4.515000	43.4	10000.0	9.000	GND	L1	10.5	12.6	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.519000	37.5	10000.0	9.000	GND	L1	10.3	8.5	46.0
1.230000	34.9	10000.0	9.000	GND	L1	10.4	11.1	46.0
1.594500	33.2	10000.0	9.000	GND	L1	10.4	12.8	46.0
1.761000	29.7	10000.0	9.000	GND	L1	10.4	16.3	46.0
2.629500	30.9	10000.0	9.000	GND	L1	10.5	15.1	46.0
4.177500	36.1	10000.0	9.000	GND	L1	10.5	9.9	46.0

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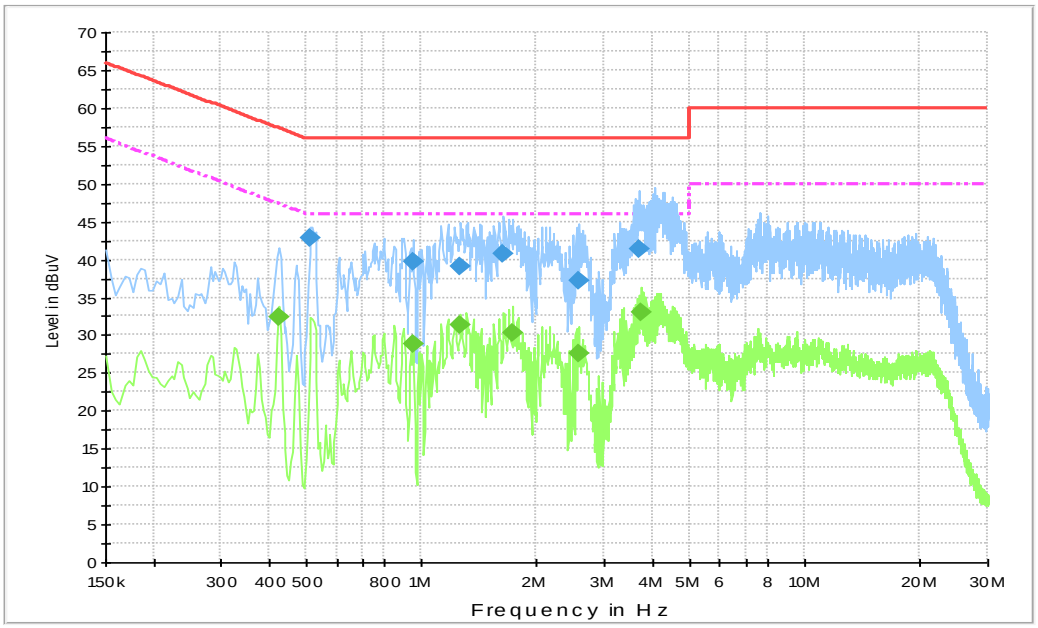
Idle (With AE3):



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.514500	42.8	10000.0	9.000	GND	L1	10.3	13.2	56.0
0.951000	39.8	10000.0	9.000	GND	L1	10.4	16.2	56.0
1.266000	39.1	10000.0	9.000	GND	L1	10.4	16.9	56.0
1.639500	40.7	10000.0	9.000	GND	L1	10.4	15.3	56.0
2.580000	37.3	10000.0	9.000	GND	L1	10.5	18.7	56.0
3.705000	41.4	10000.0	9.000	GND	L1	10.5	14.6	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.424500	32.4	10000.0	9.000	GND	L1	10.3	15.0	47.4
0.951000	28.8	10000.0	9.000	GND	L1	10.4	17.2	46.0
1.266000	31.3	10000.0	9.000	GND	L1	10.4	14.7	46.0
1.734000	30.3	10000.0	9.000	GND	L1	10.4	15.7	46.0
2.575500	27.6	10000.0	9.000	GND	L1	10.5	18.4	46.0
3.750000	33.0	10000.0	9.000	GND	L1	10.5	13.0	46.0

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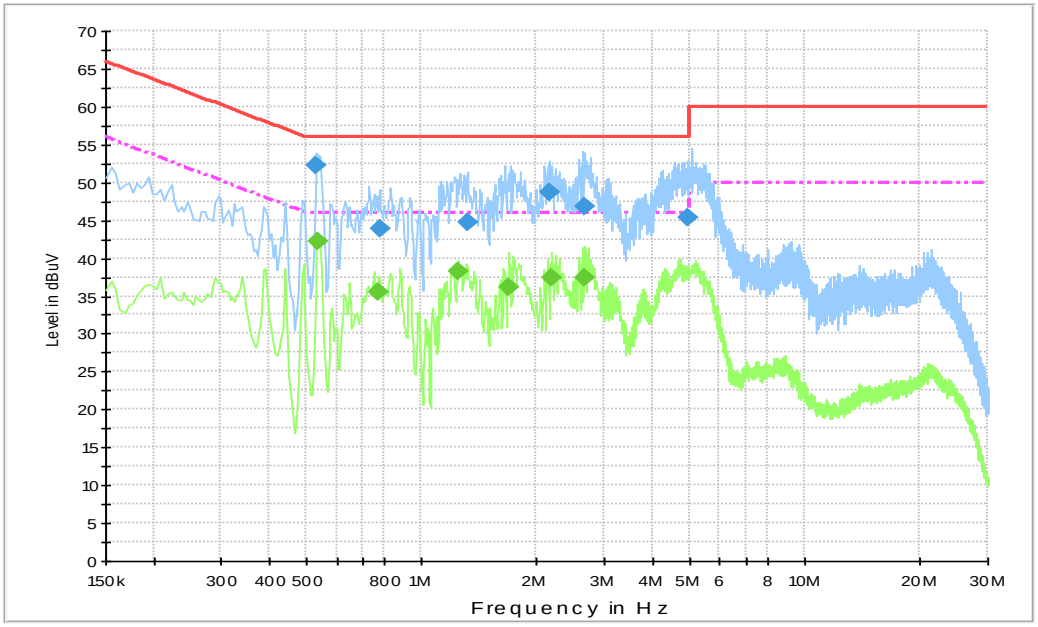
Traffic (With AE4):



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.532500	52.2	10000.0	9.000	GND	L1	10.3	3.8	56.0
0.780000	43.8	10000.0	9.000	GND	L1	10.4	12.2	56.0
1.315500	44.8	10000.0	9.000	GND	L1	10.4	11.2	56.0
2.148000	48.6	10000.0	9.000	GND	L1	10.4	7.4	56.0
2.674500	46.9	10000.0	9.000	GND	L1	10.5	9.1	56.0
4.960500	45.3	10000.0	9.000	GND	L1	10.5	10.7	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.537000	42.2	10000.0	9.000	GND	L1	10.3	3.8	46.0
0.775500	35.6	10000.0	9.000	GND	L1	10.4	10.5	46.0
1.243500	38.2	10000.0	9.000	GND	L1	10.4	7.8	46.0
1.689000	36.1	10000.0	9.000	GND	L1	10.4	9.9	46.0
2.184000	37.4	10000.0	9.000	GND	L1	10.4	8.6	46.0
2.674500	37.5	10000.0	9.000	GND	L1	10.5	8.5	46.0

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ANNEX E: Accreditation Certificate

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2018-09-28 through 2019-09-30
Effective Dates

For the National Voluntary Laboratory Accreditation Program

*****END OF REPORT*****

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