8DPSK Ch 0

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)
17857.50	53.18	-25.50	46.70	31.98	74.00	20.82	V
13559.50	50.90	-29.50	40.40	40.00	74.00	23.10	V
12857.00	48.76	-30.70	39.10	40.26	74.00	25.24	V
9165.00	46.36	-33.80	38.10	42.16	74.00	27.64	H
7234.00	44.73	-35.50	36.40	43.83	74.00	29.27	H
4690.00	39.77	-37.40	32.90	44.27	74.00	34.23	V

8DPSK Ch 39

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)
17946.00	53.17	-25.50	46.70	31.97	74.00	20.83	H
13580.50	50.86	-29.50	40.40	39.96	74.00	23.14	H
12679.50	48.16	-30.50	39.10	39.56	74.00	25.84	H
9621.50	45.86	-33.10	38.00	40.96	74.00	28.14	H
7710.50	45.18	-34.80	37.00	43.08	74.00	28.82	V
4940.50	39.80	-37.10	33.30	43.60	74.00	34.20	H

8DPSK Ch 78

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)
17703.50	53.75	-25.70	46.00	33.55	74.00	20.25	H
13619.50	51.19	-29.50	40.40	40.29	74.00	22.81	V
12851.50	48.65	-30.70	39.10	40.15	74.00	25.35	V
9765.50	45.99	-33.50	38.00	41.49	74.00	28.01	H
7359.00	44.44	-35.10	36.60	42.94	74.00	29.56	V
2485.10	55.71	-20.00	28.30	47.41	74.00	18.29	H

Average Measurement results

GFSK Ch 0

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)
17398.50	41.59	-26.90	45.20	23.19	54.00	12.41	V
13601.50	39.11	-29.50	40.40	28.21	54.00	14.89	V
12932.00	37.18	-30.50	39.20	28.48	54.00	16.82	H
9307.00	34.55	-33.90	38.00	30.45	54.00	19.45	V
7981.00	33.26	-34.80	37.10	30.96	54.00	20.74	V
2386.70	42.53	-20.00	28.10	34.53	54.00	11.47	H

GFSK Ch 39

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)
17610.50	41.67	-25.70	46.00	21.47	54.00	12.33	V
13597.00	39.85	-29.50	40.40	28.95	54.00	14.15	V
12869.00	37.12	-30.70	39.10	28.62	54.00	16.88	H
9138.50	34.89	-33.80	38.10	30.69	54.00	19.11	H
7985.50	33.34	-34.80	37.10	31.04	54.00	20.66	H
4833.50	28.47	-37.50	33.10	32.77	54.00	25.53	V

GFSK Ch 78

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)
17755.50	41.58	-25.50	46.70	20.38	54.00	12.42	H
13605.50	39.28	-29.50	40.40	28.38	54.00	14.72	H
12851.50	36.99	-30.70	39.10	28.49	54.00	17.01	H
9213.50	34.35	-33.70	38.00	30.05	54.00	19.65	V
7439.50	33.30	-35.20	36.70	31.70	54.00	20.70	H
2499.90	41.80	-20.00	28.40	33.40	54.00	12.20	V

π/4 DQPSK Ch 0

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)
17786.00	41.48	-25.50	46.70	20.28	54.00	12.52	H
13652.50	39.51	-29.50	40.40	28.61	54.00	14.49	H
12860.50	36.86	-30.70	39.10	28.36	54.00	17.14	H
9128.50	34.47	-33.80	38.10	30.27	54.00	19.53	V
7222.00	33.37	-35.50	36.40	32.47	54.00	20.63	H
2353.20	42.39	-20.10	28.00	34.39	54.00	11.61	V

π/4 DQPSK Ch 39

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)
17621.00	41.56	-25.70	46.00	21.36	54.00	12.44	H
13595.00	39.25	-29.50	40.40	28.35	54.00	14.75	V
12837.50	37.31	-30.70	39.10	28.81	54.00	16.69	V
9229.00	34.50	-33.70	38.00	30.20	54.00	19.50	H
7245.50	33.17	-35.00	36.50	31.57	54.00	20.83	V
4931.50	28.52	-37.10	33.30	32.32	54.00	25.48	H

π/4 DQPSK Ch 78

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)
17978.50	41.62	-25.50	46.70	20.42	54.00	12.38	H
13592.50	39.47	-29.50	40.40	28.57	54.00	14.53	H
12849.50	37.20	-30.70	39.10	28.70	54.00	16.80	V
9227.50	34.49	-33.70	38.00	30.19	54.00	19.51	V
7426.00	33.47	-35.20	36.70	31.87	54.00	20.53	H
2486.00	41.83	-20.00	28.30	33.53	54.00	12.17	H

8DPSK Ch 0

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)
17768.50	41.57	-25.50	46.70	20.37	54.00	12.43	V
13601.50	39.35	-29.50	40.40	28.45	54.00	14.65	H
12857.50	37.02	-30.70	39.10	28.52	54.00	16.98	H
9323.50	34.42	-33.90	38.00	30.32	54.00	19.58	H
7411.00	33.33	-35.20	36.70	31.73	54.00	20.67	H
4943.00	28.32	-37.10	33.30	32.12	54.00	25.68	H

8DPSK Ch 39

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)
17777.00	41.47	-25.50	46.70	20.27	54.00	12.53	H
13591.50	39.33	-29.50	40.40	28.43	54.00	14.67	H
12861.00	37.18	-30.70	39.10	28.68	54.00	16.82	V
9716.00	34.64	-33.00	38.00	29.64	54.00	19.36	H
7908.00	33.34	-34.90	37.10	31.14	54.00	20.66	V
4937.50	28.10	-37.10	33.30	31.90	54.00	25.90	V

8DPSK Ch 78

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)
17687.50	41.55	-25.70	46.00	21.35	54.00	12.45	V
13610.50	39.11	-29.50	40.40	28.21	54.00	14.89	V
12845.50	37.14	-30.70	39.10	28.64	54.00	16.86	H
9125.00	34.51	-33.80	38.10	30.31	54.00	19.49	H
7997.50	33.33	-34.80	37.10	31.03	54.00	20.67	H
2494.20	41.78	-20.00	28.30	33.48	54.00	12.22	H

Conclusion: Pass

Sample calculation: 17687.50 MHz

Peak ERP(dBm) = P_{Mea}(21.35dBuV/m) + Cable Loss(-25.70) + Antenna Factor(46.00) =41.55 dBuV/m

B.7. 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	Pulse time (ms)		Number of Transmissions		Dwell Time (ms)	Conclusion
39	DH1	Fig.64	0.38	Fig.65	320	121.6	P
	DH3	Fig.66	1.63	Fig.67	106	172.78	P
	DH5	Fig.68	2.88	Fig.69	69	198.72	P

For π/4 DQPSK

Channel	Packet	Pulse time (ms)		Number of Transmissions		Dwell Time (ms)	Conclusion
39	2DH1	Fig.70	0.38	Fig.71	320	121.6	P
	2DH3	Fig.72	1.64	Fig.73	116	190.24	P
	2DH5	Fig.74	2.88	Fig.75	58	167.04	P

For 8DPSK

Channel	Packet	Pulse time (ms)		Number of Transmissions		Dwell Time (ms)	Conclusion
39	3DH1	Fig.76	0.38	Fig.77	320	121.6	P
	3DH3	Fig.78	1.63	Fig.79	112	182.56	P
	3DH5	Fig.80	2.89	Fig.81	65	187.85	P

Conclusion: PASS

Test graphs as below:

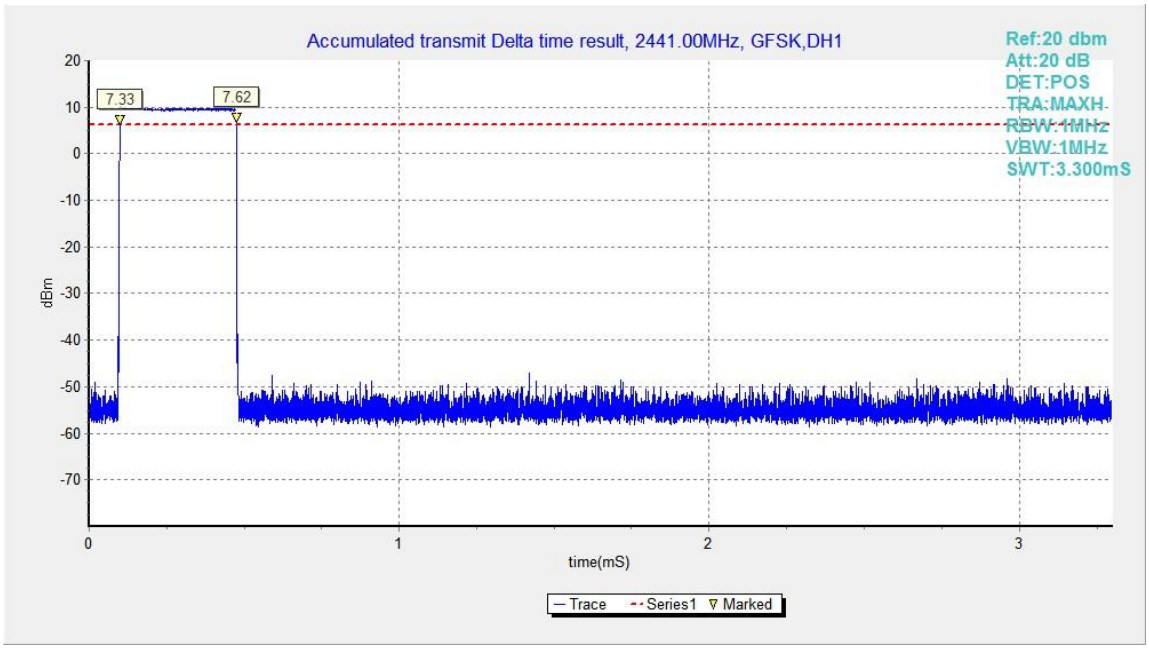


Fig.64. Time of occupancy (Dwell Time): Channel 39, Packet DH1

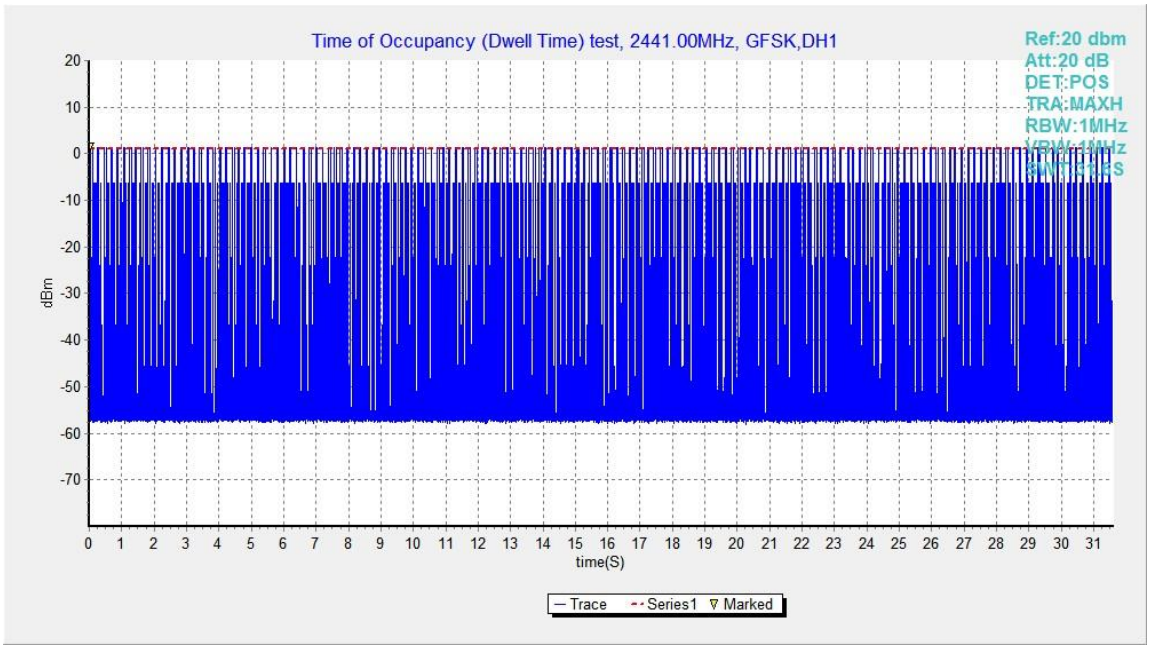


Fig.65. Number of Transmissions Measurement: Channel 39,Packet DH1

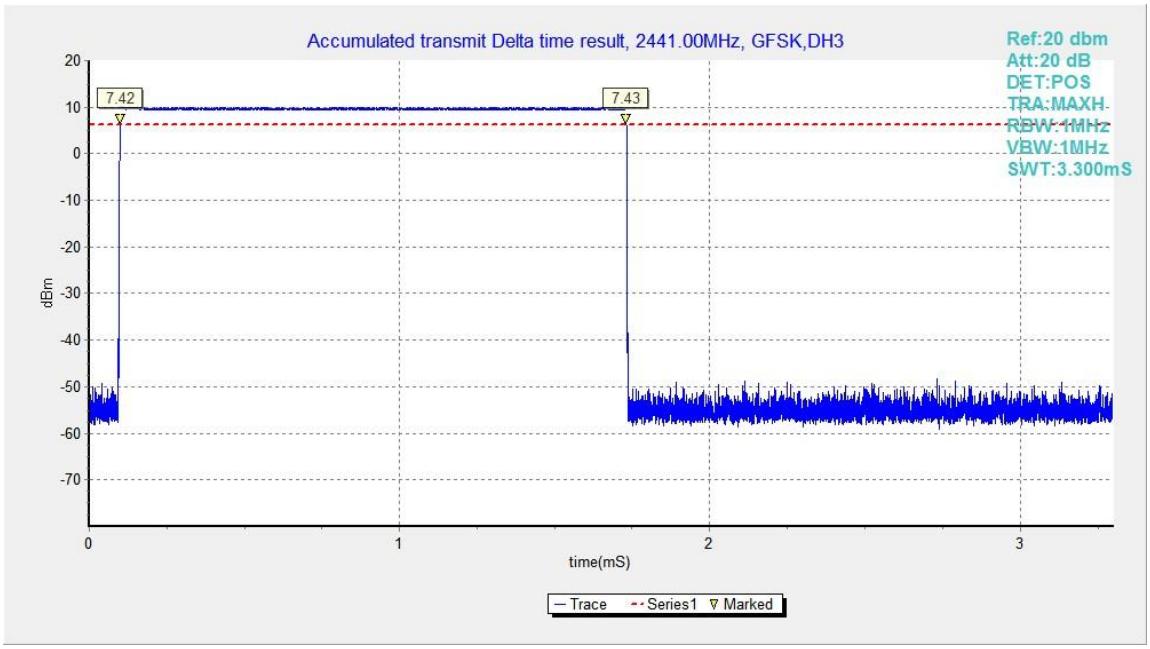


Fig.66. Time of occupancy (Dwell Time): Channel 39, Packet DH3

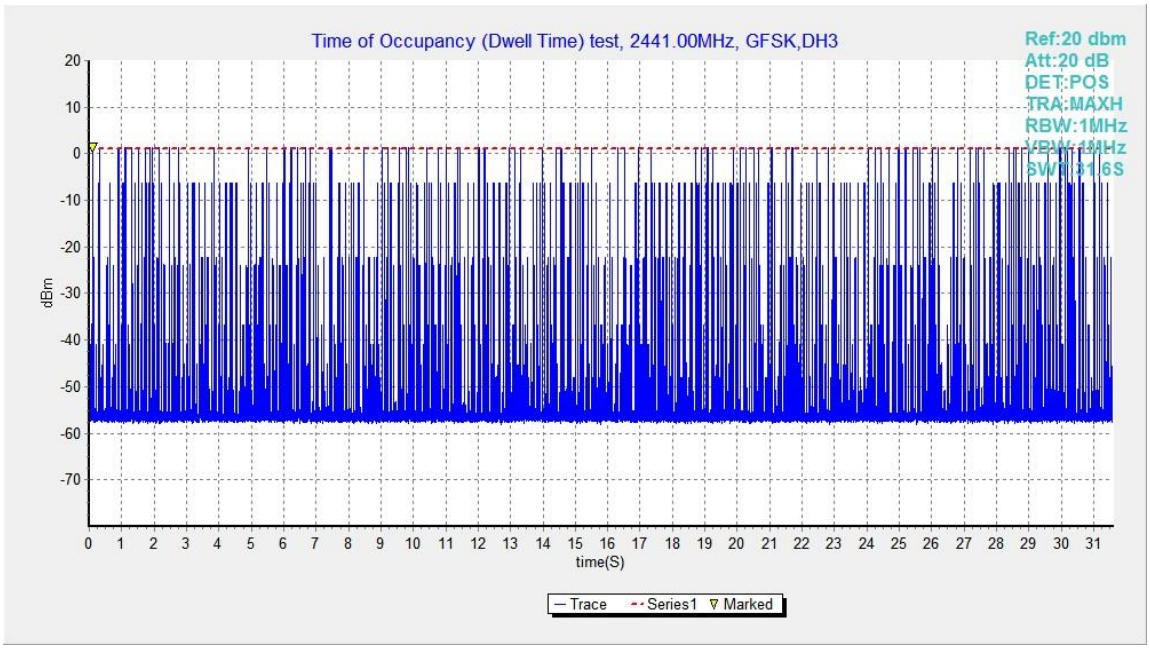


Fig.67. Number of Transmissions Measurement: Channel 39,Packet DH3

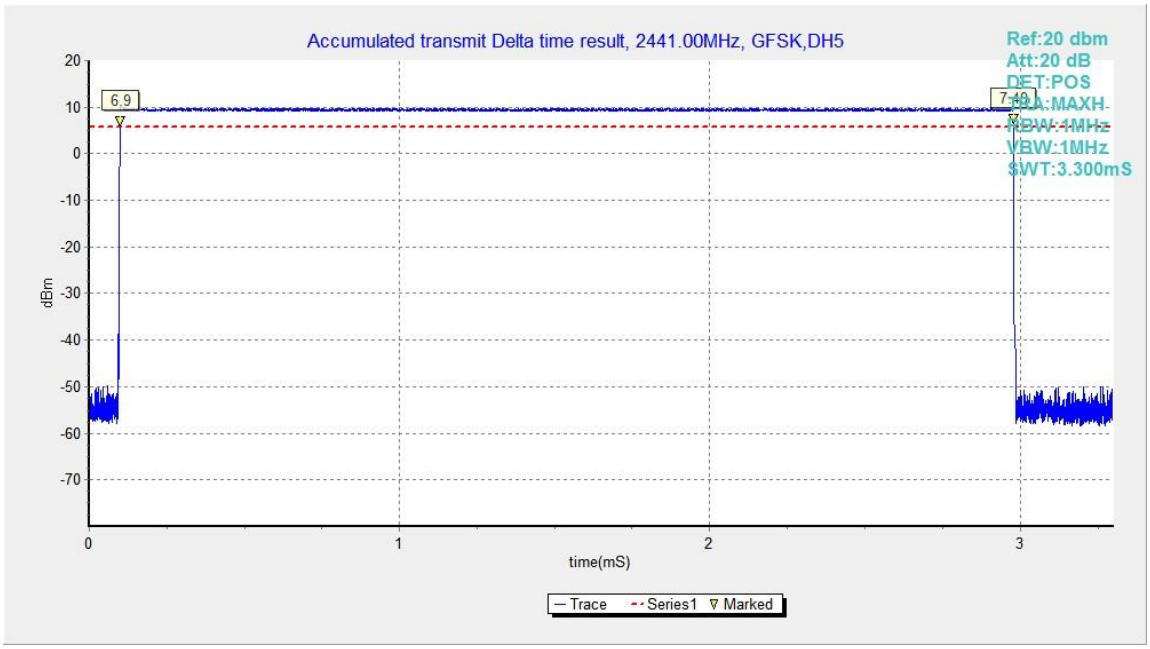


Fig.68. Time of occupancy (Dwell Time): Channel 39, Packet DH5

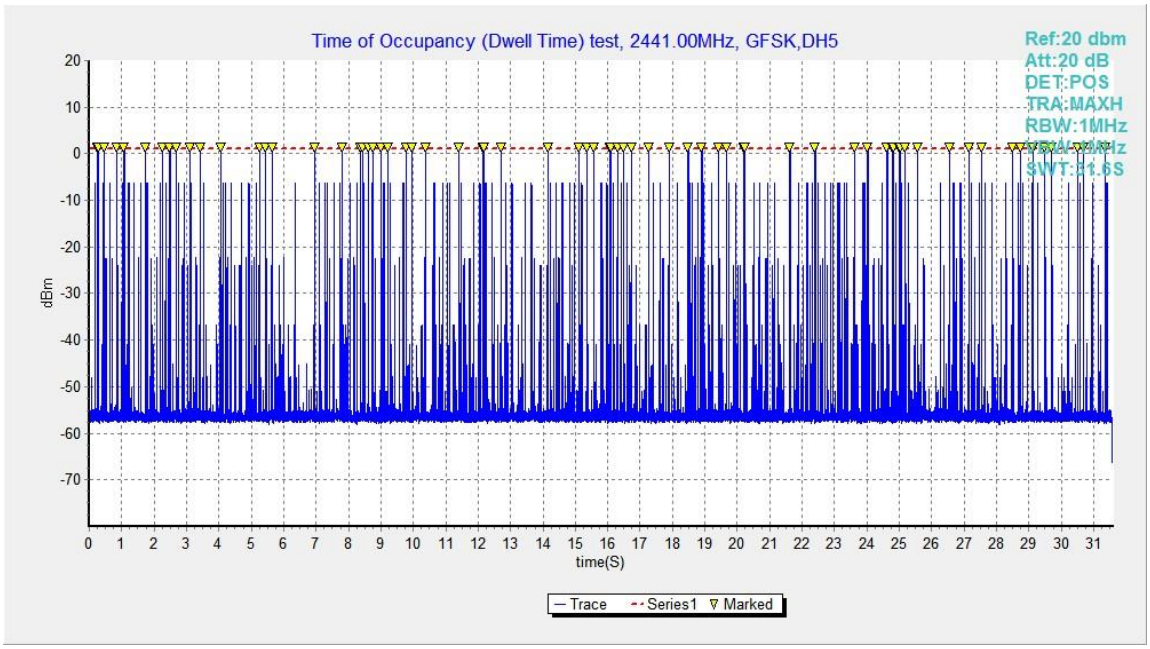


Fig.69. Number of Transmissions Measurement: Channel 39,Packet DH5

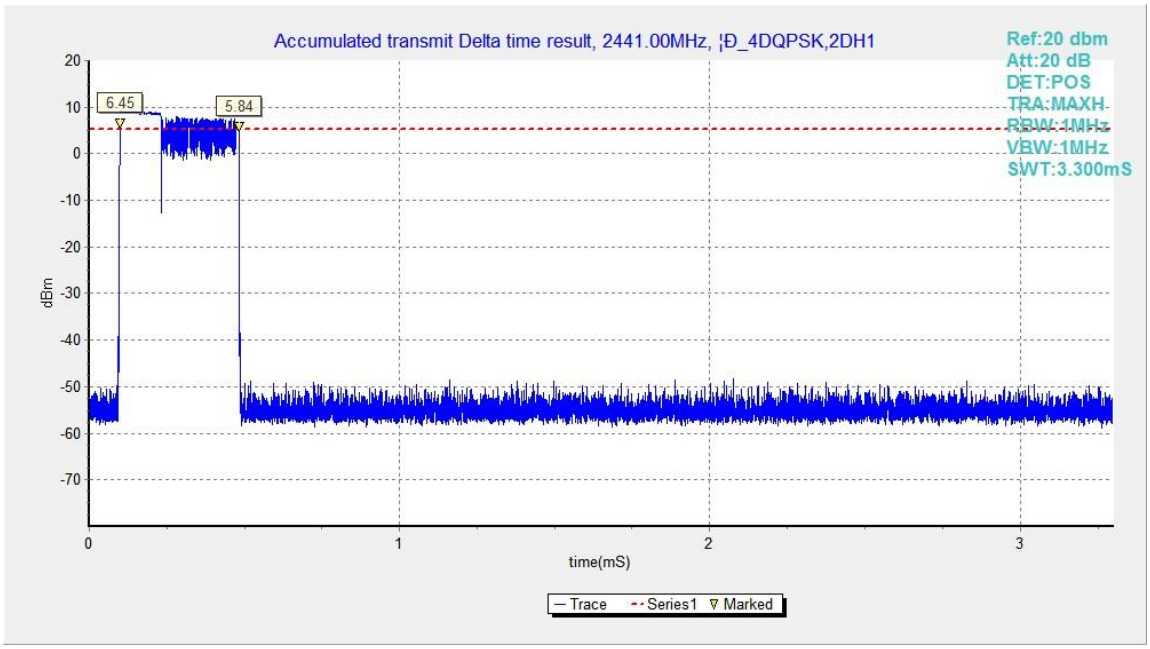


Fig.70. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH1

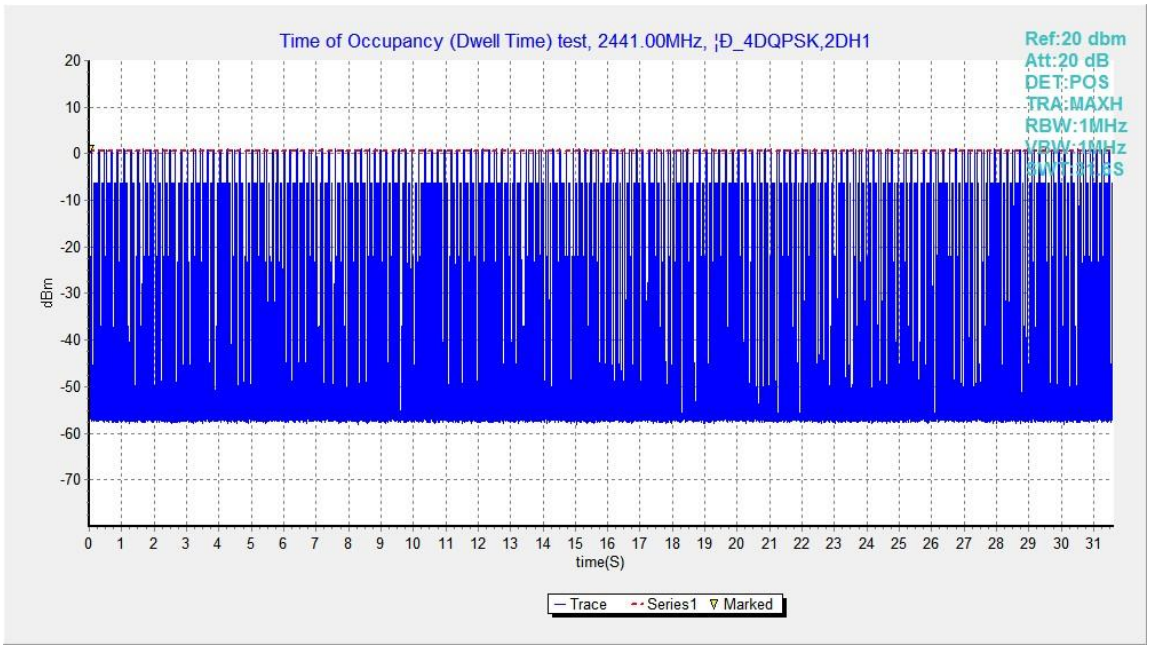


Fig.71. Number of Transmissions Measurement: Channel 39,Packet 2-DH1

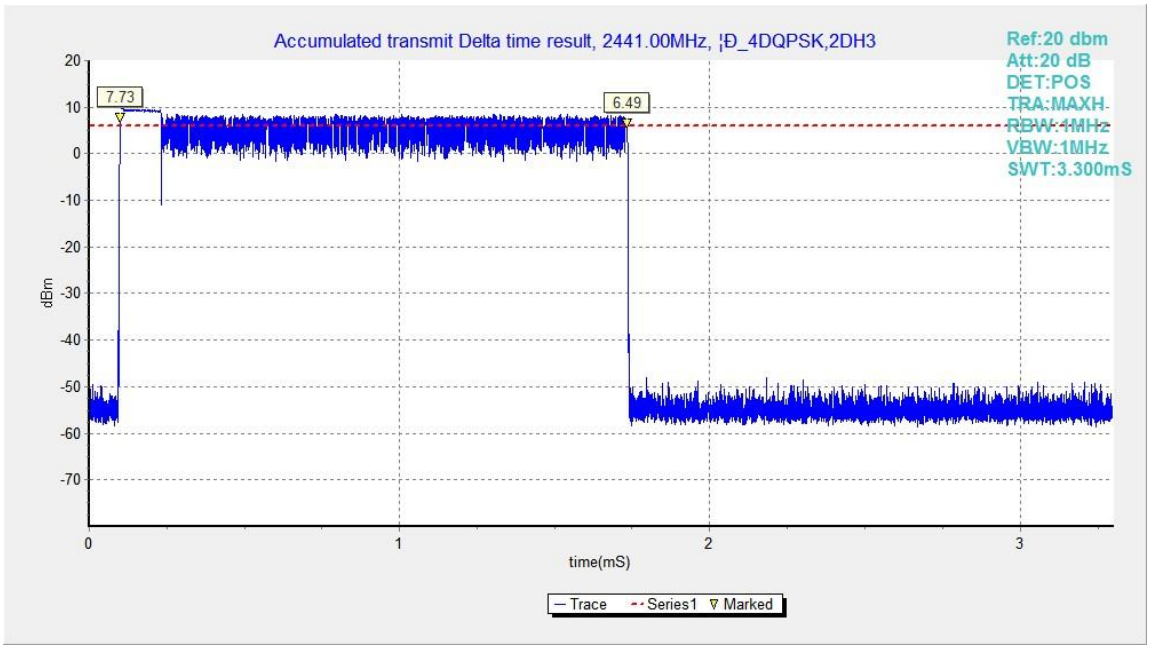


Fig.72. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH3

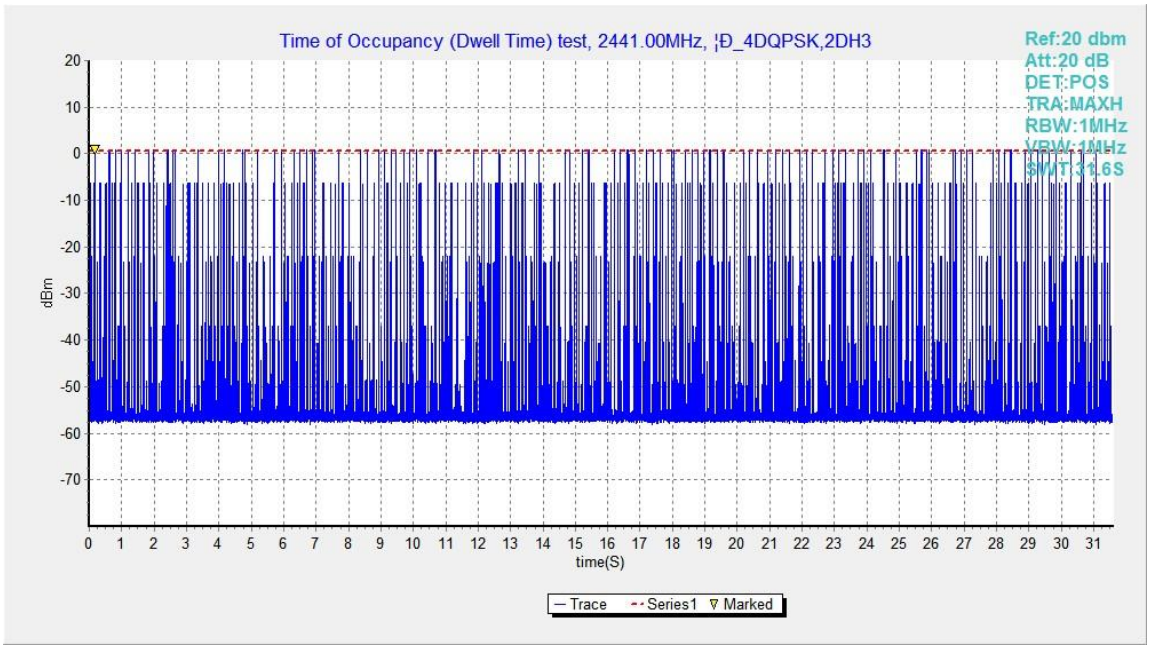


Fig.73. Number of Transmissions Measurement: Channel 39,Packet 2-DH3

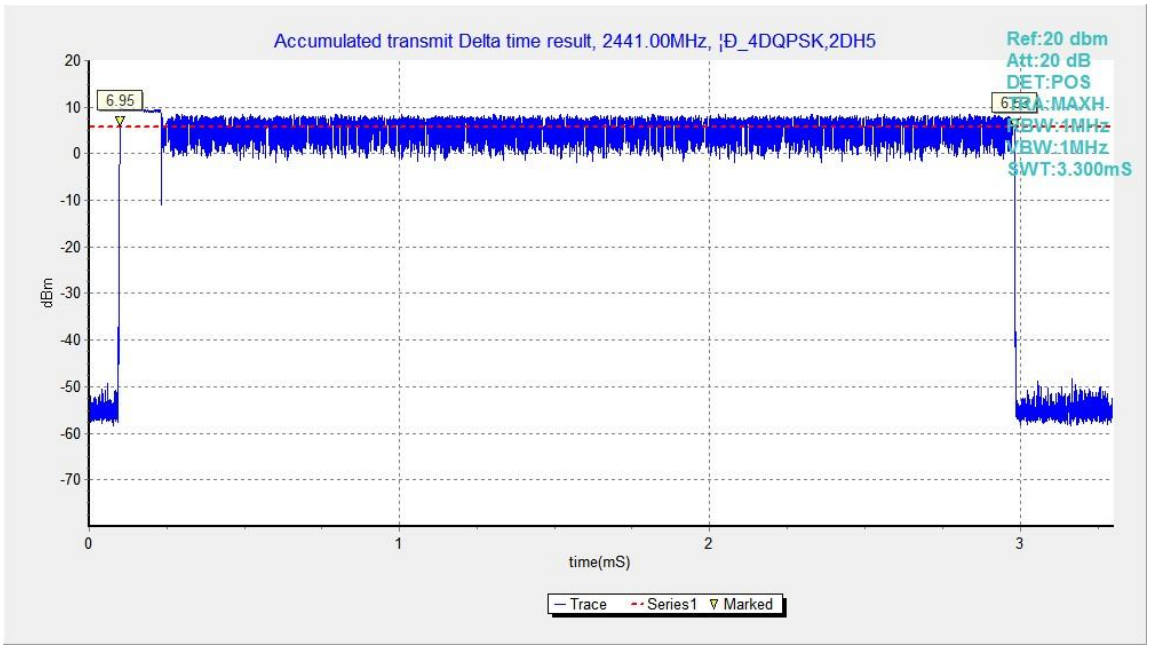


Fig.74. Time of occupancy (Dwell Time): Channel 39, Packet 2-DH5

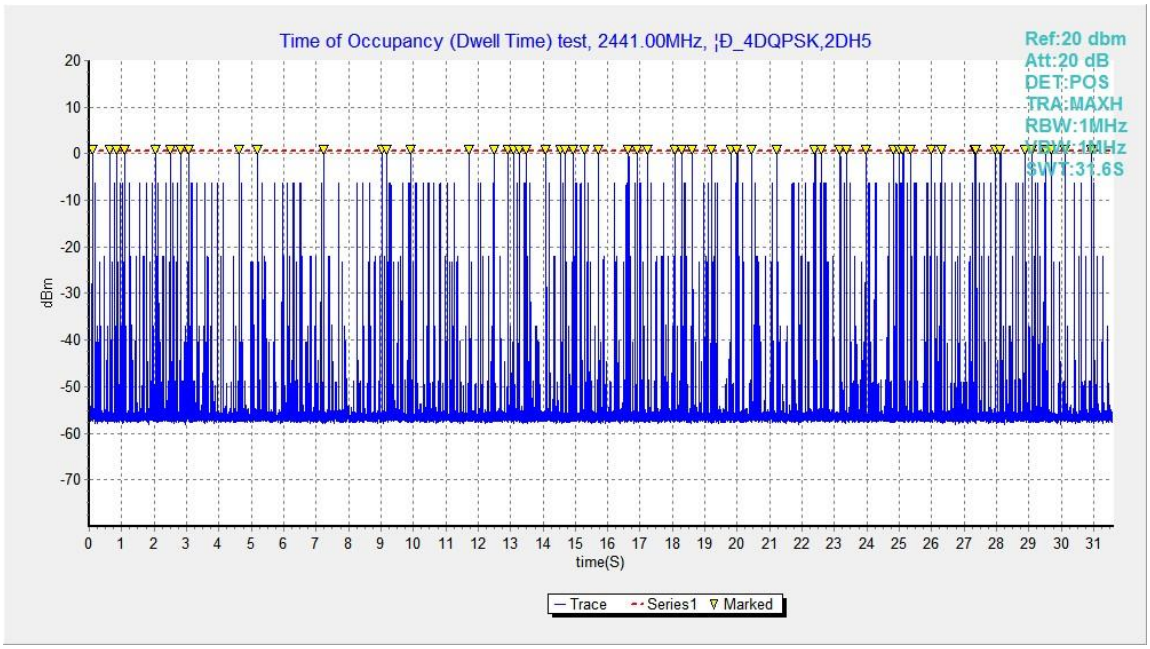


Fig.75. Number of Transmissions Measurement: Channel 39,Packet 2-DH5

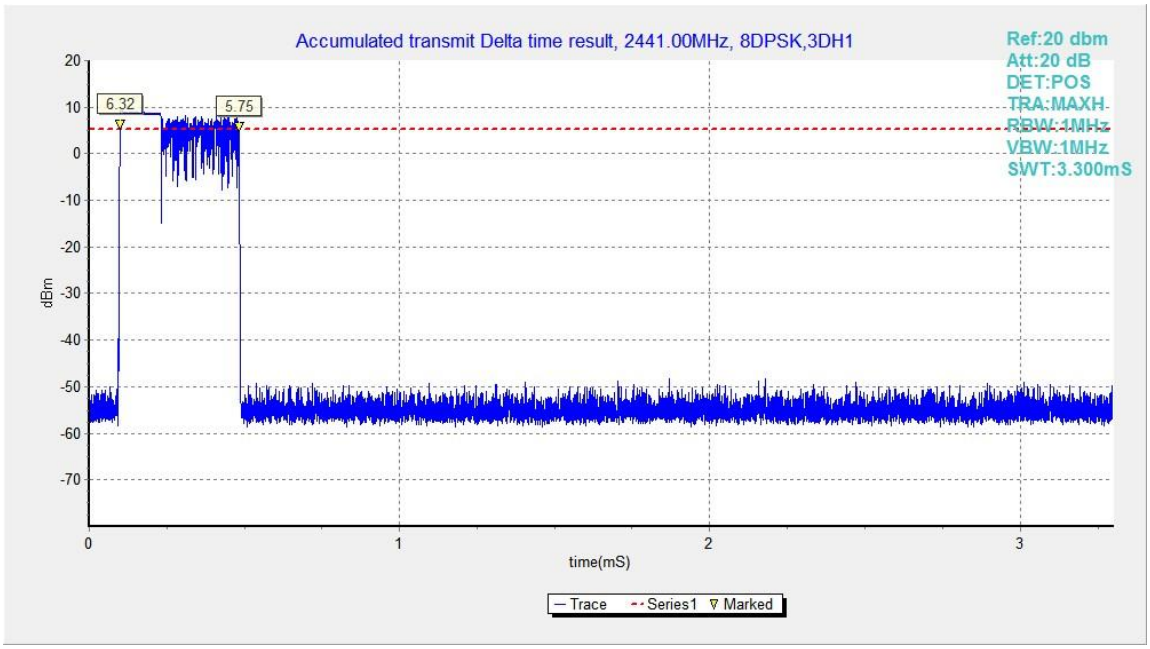


Fig.76. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH1

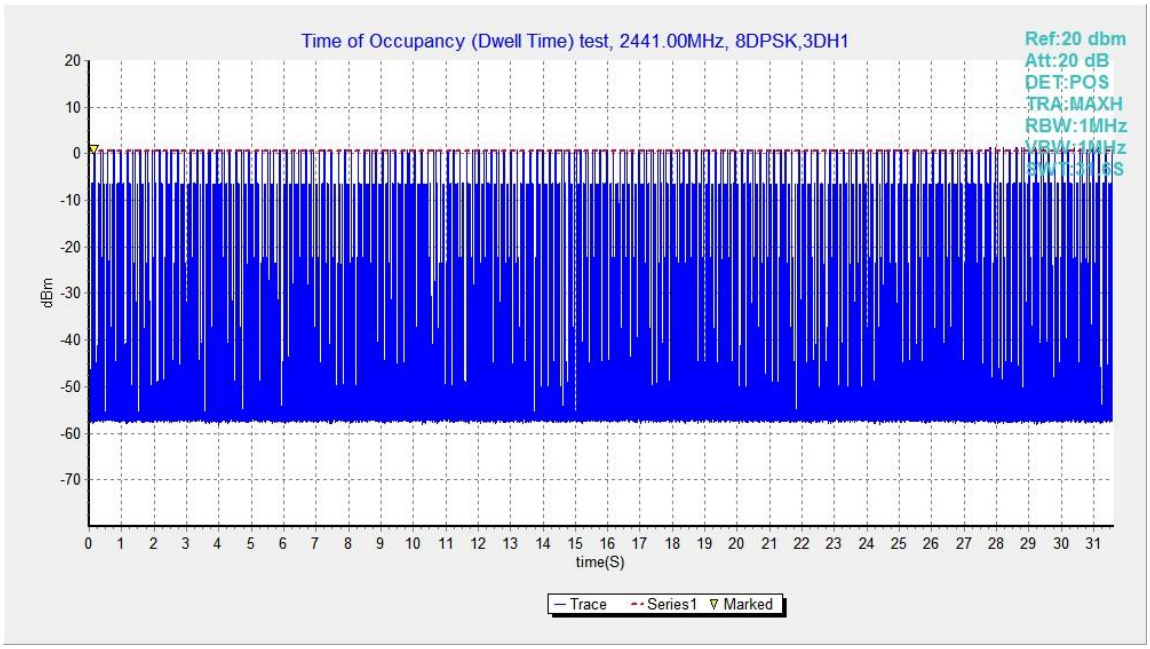


Fig.77. Number of Transmissions Measurement: Channel 39,Packet 3-DH1

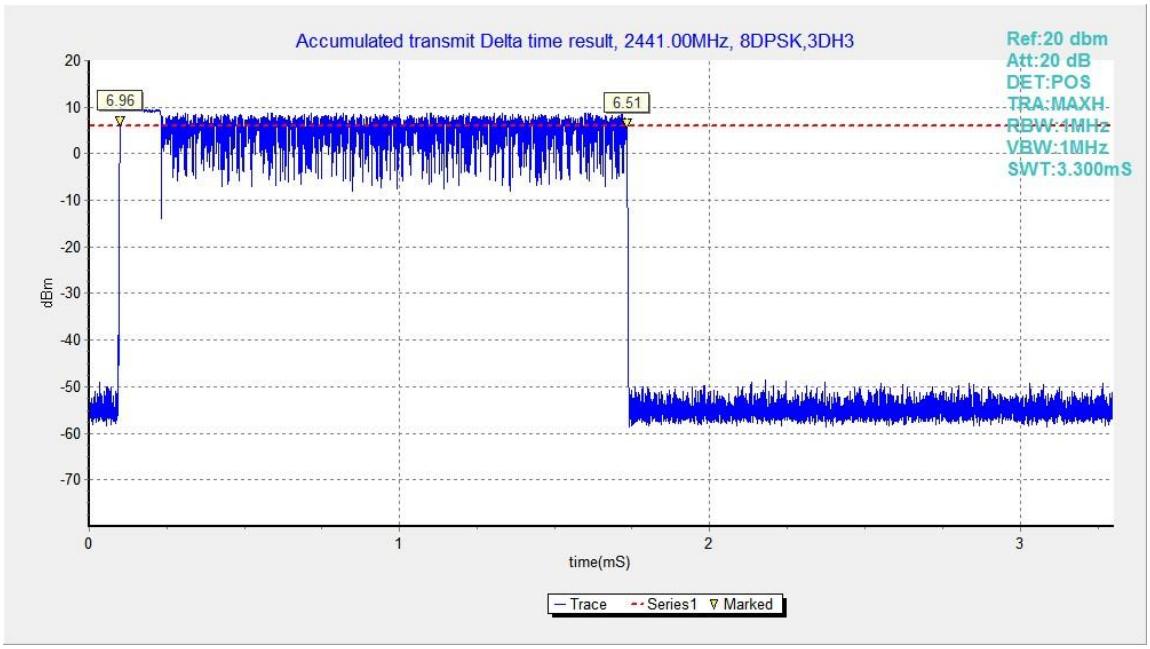


Fig.78. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH3

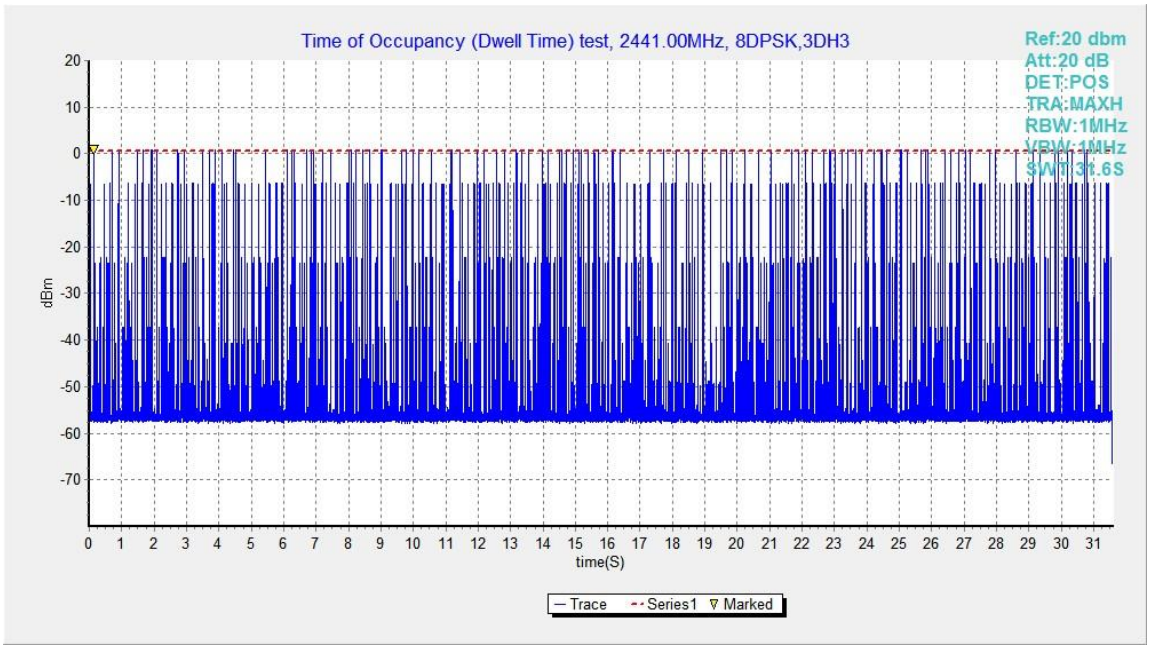


Fig.79. Number of Transmissions Measurement: Channel 39,Packet 3-DH3

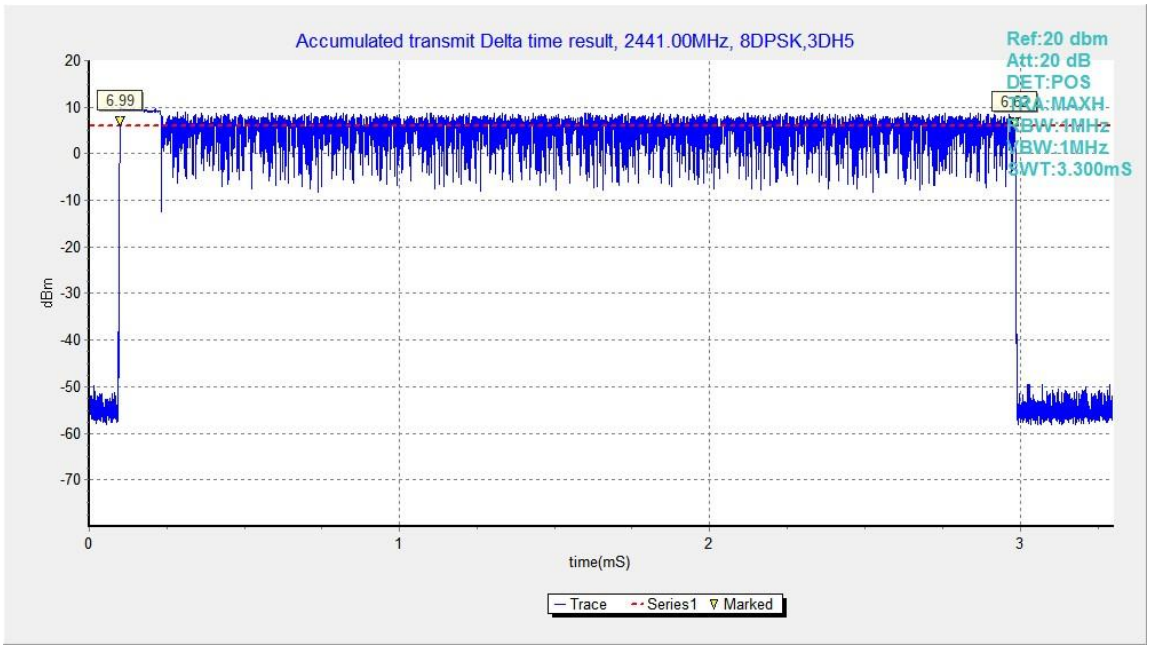


Fig.80. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH5

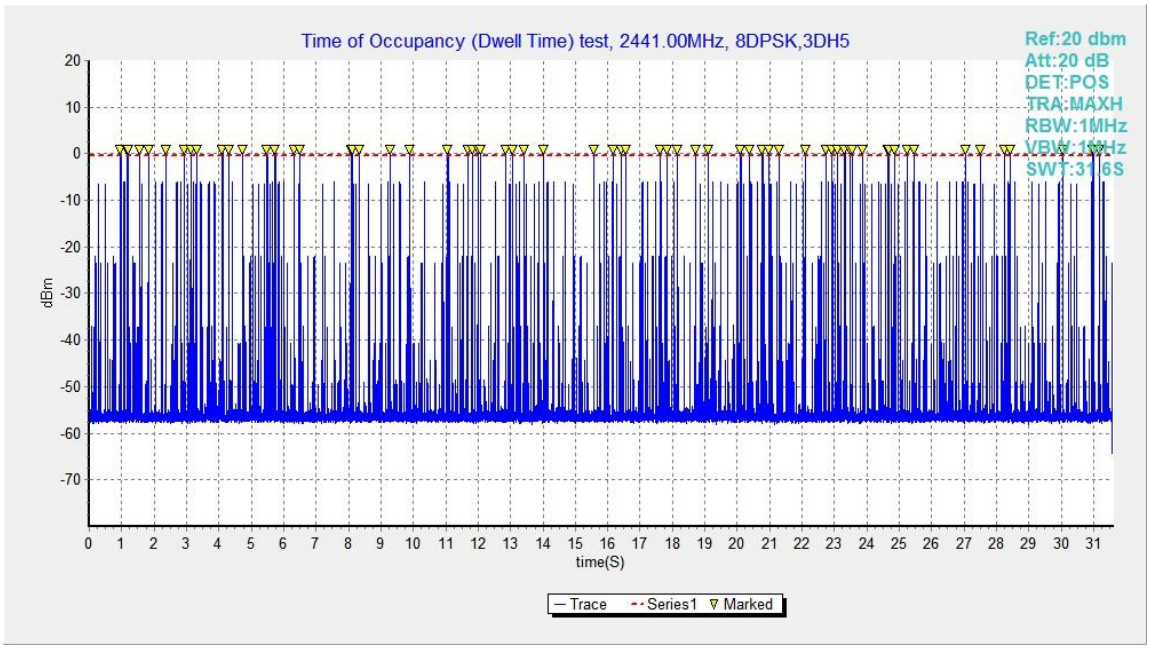


Fig.81. Number of Transmissions Measurement: Channel 39,Packet 3-DH5

B.8. 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	941.25	NA
39	Fig.83	942.00	NA
78	Fig.84	942.75	NA

For π/4 DQPSK

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.85	1224.75	NA
39	Fig.86	1255.50	NA
78	Fig.87	1224.75	NA

For 8DPSK

Channel	20dB Bandwidth (kHz)		Conclusion
0	Fig.88	1235.25	NA
39	Fig.89	1231.50	NA
78	Fig.90	1263.75	NA

Conclusion: NA

Test graphs as below:

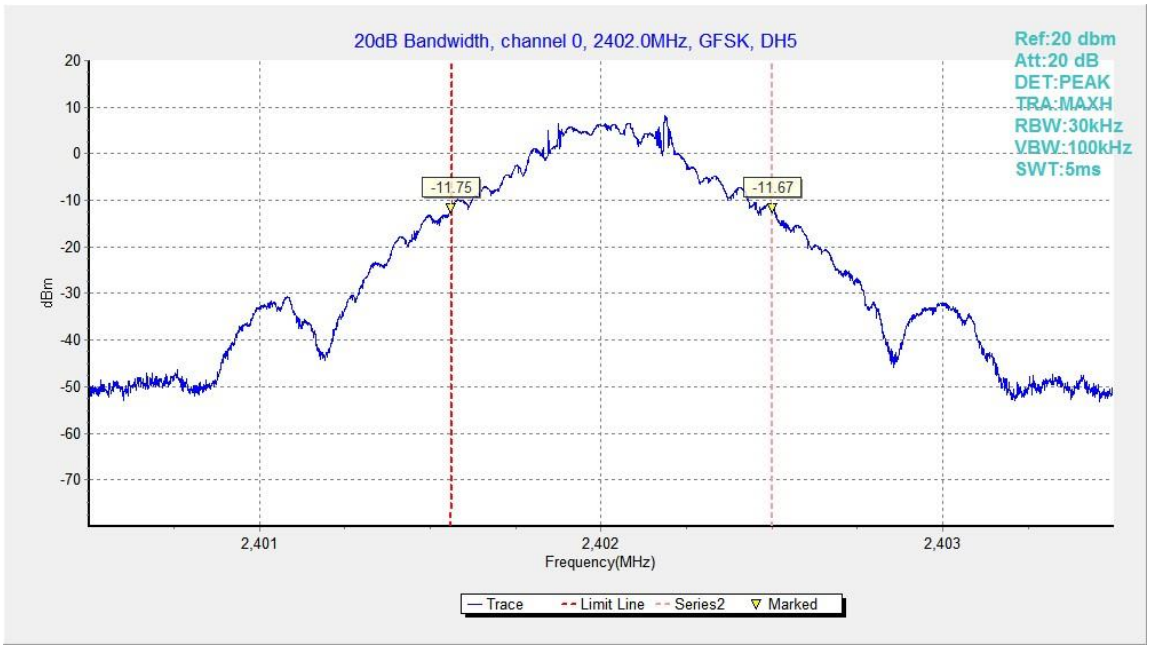


Fig.82. 20dB Bandwidth: GFSK, Channel 0

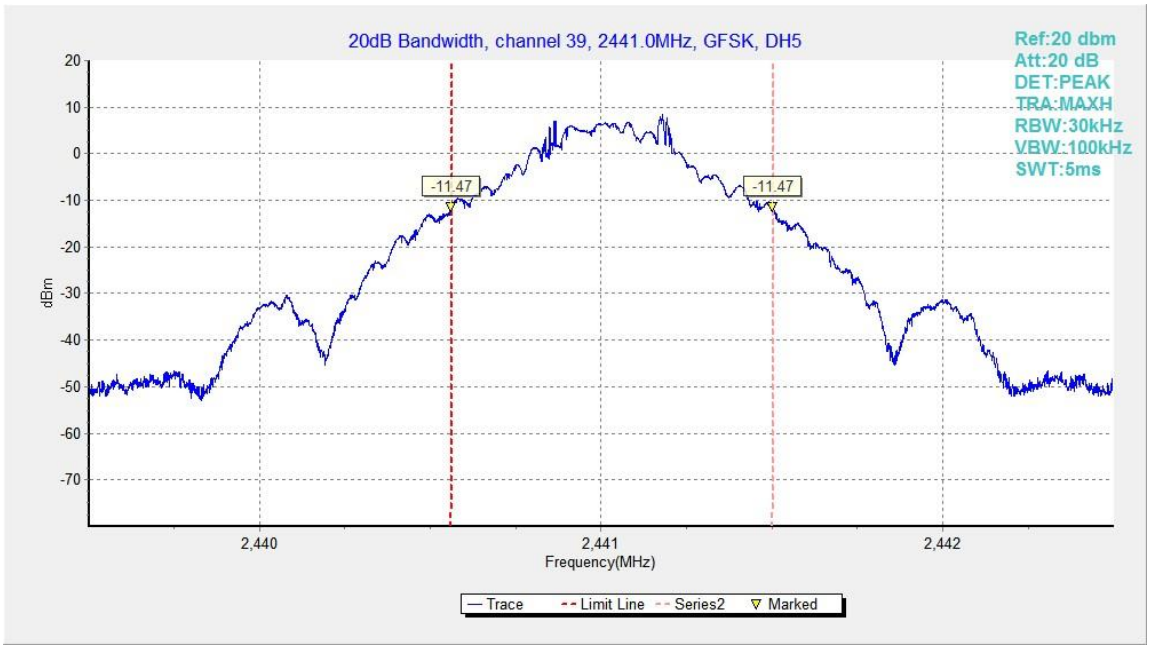


Fig.83. 20dB Bandwidth: GFSK, Channel 39

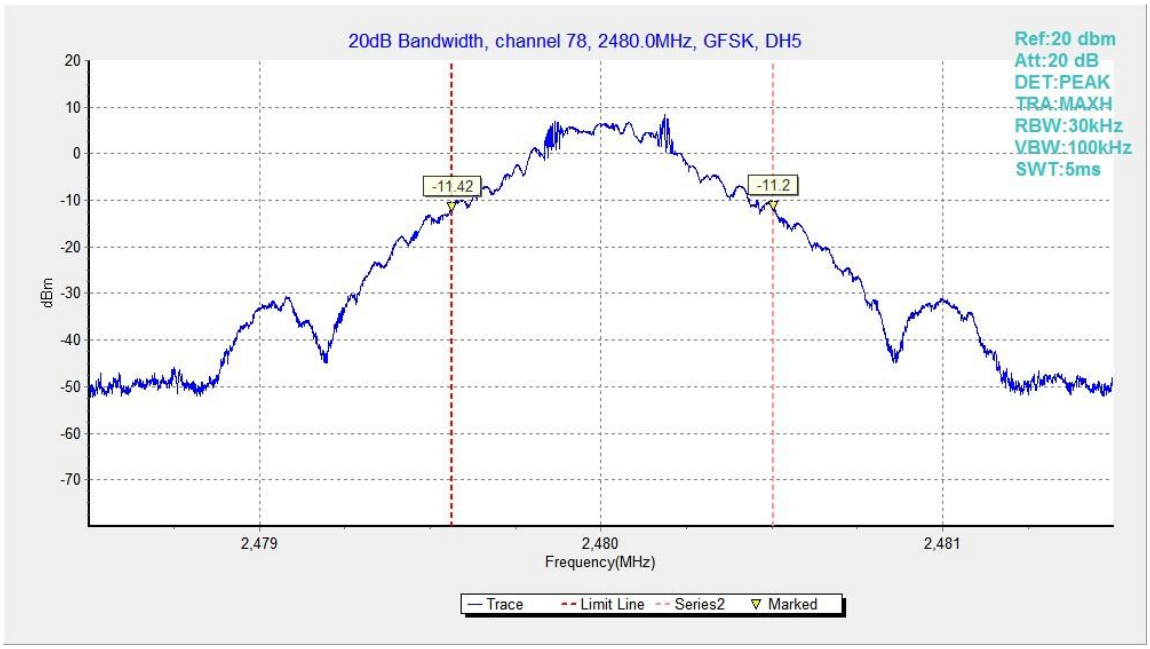


Fig.84. 20dB Bandwidth: GFSK, Channel 78

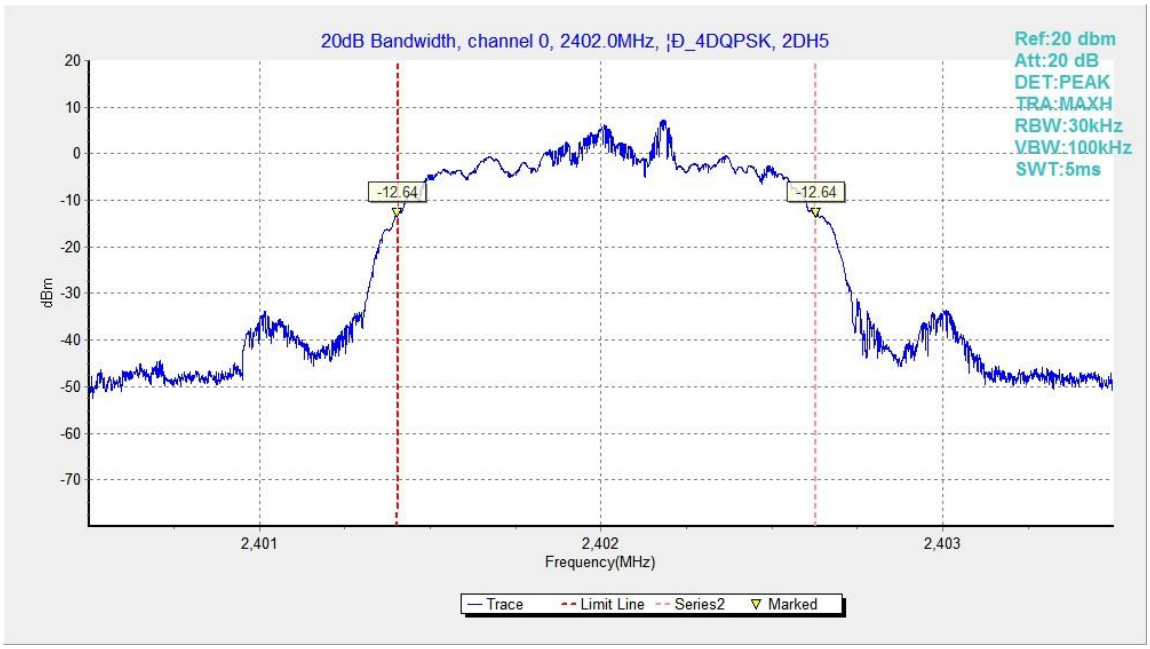


Fig.85. 20dB Bandwidth: π/4 DQPSK, Channel 0

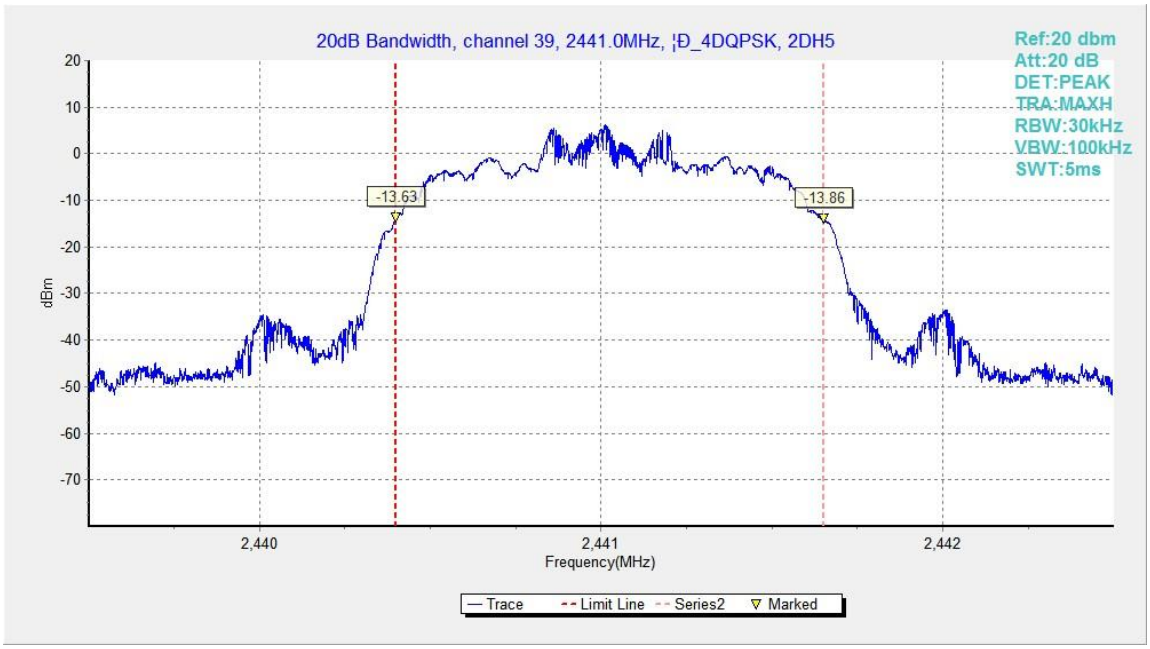


Fig.86. 20dB Bandwidth: π/4 DQPSK, Channel 39

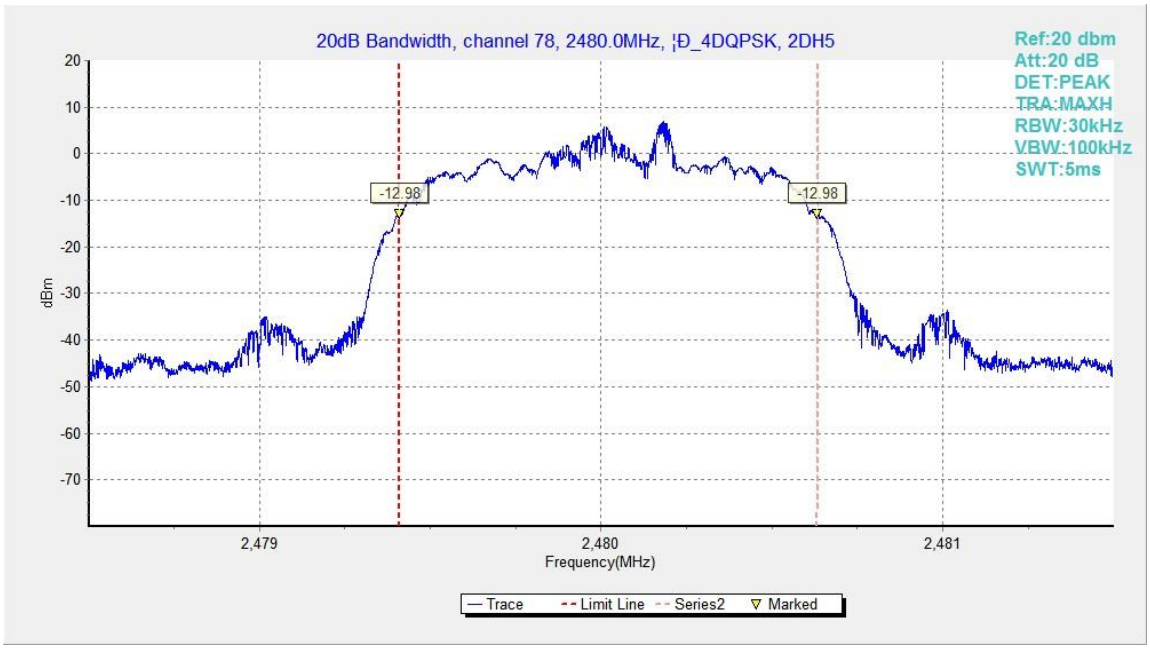


Fig.87. 20dB Bandwidth: π/4 DQPSK, Channel 78

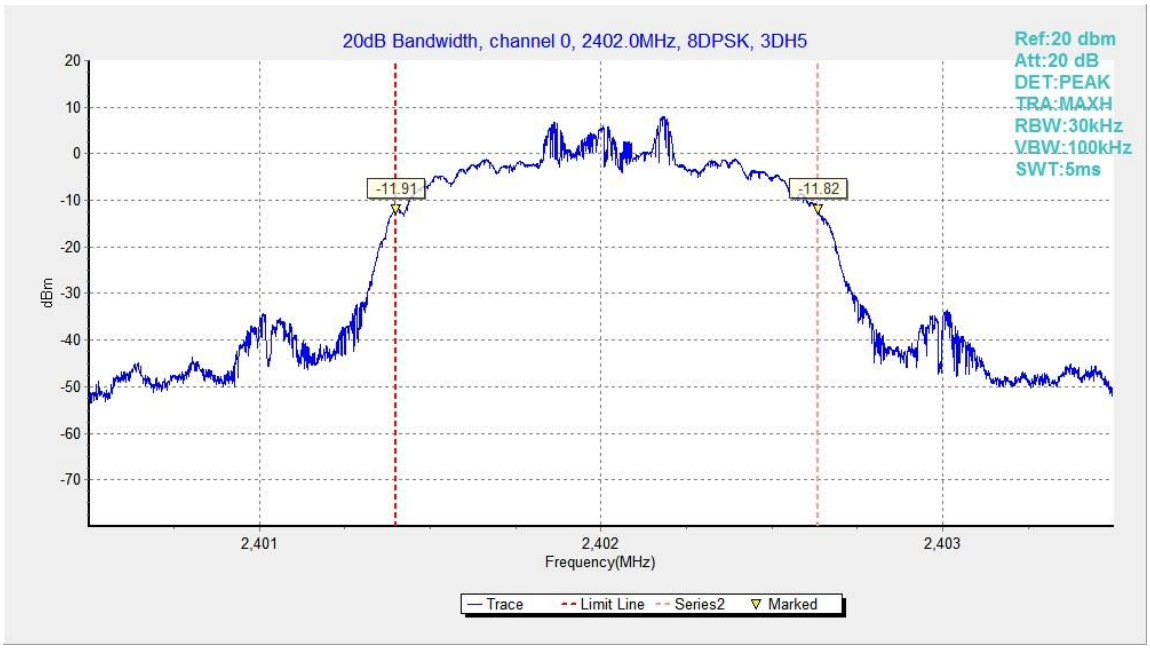


Fig.88. 20dB Bandwidth: 8DPSK, Channel 0

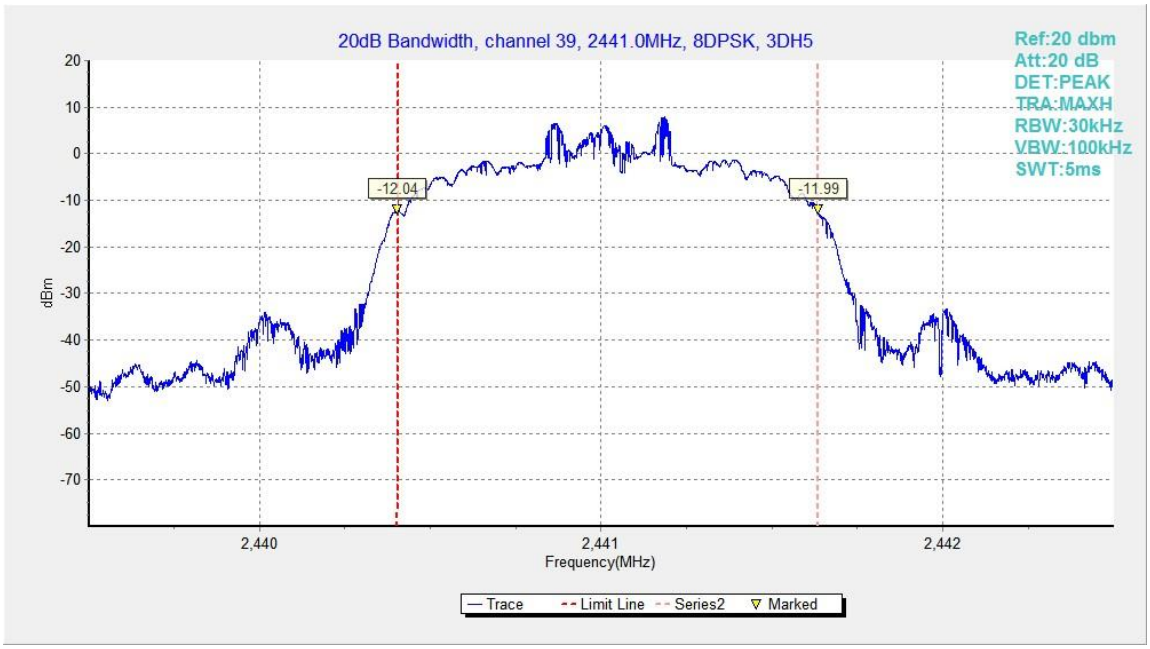


Fig.89. 20dB Bandwidth: 8DPSK, Channel 39

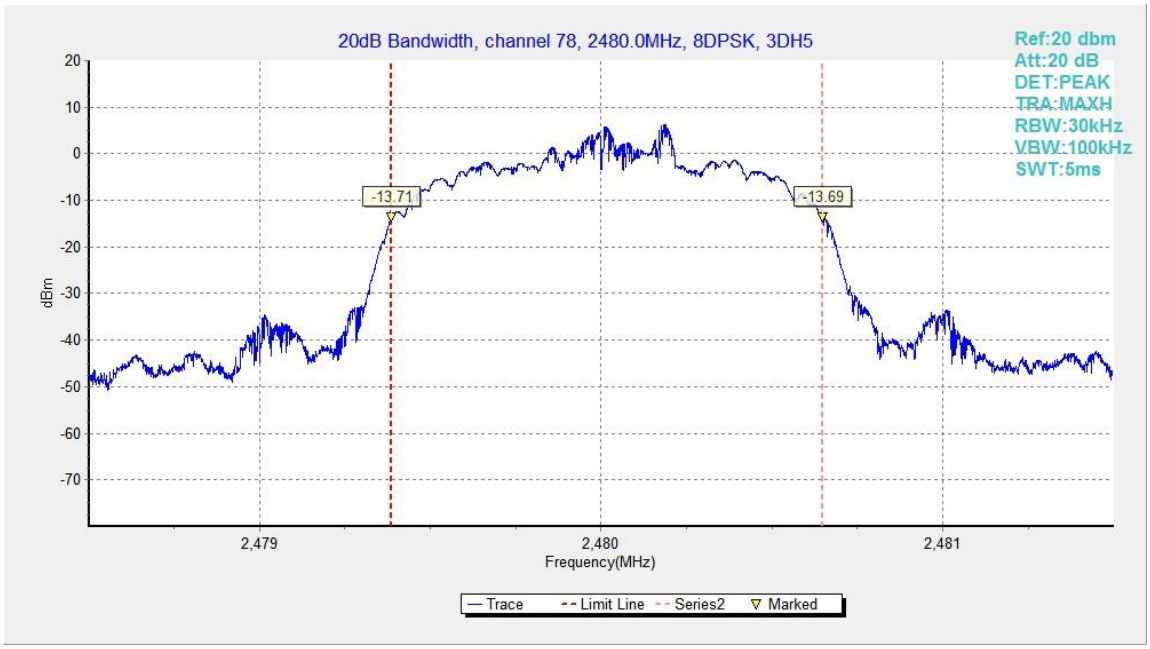


Fig.90. 20dB Bandwidth: 8DPSK, Channel 78

B.9. 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	1130.25	P

For π/4 DQPSK

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.92	1161.75	P

For 8DPSK

Channel	Carrier frequency separation (kHz)		Conclusion
39	Fig.93	985.50	P

Conclusion: PASS

Test graphs as below:

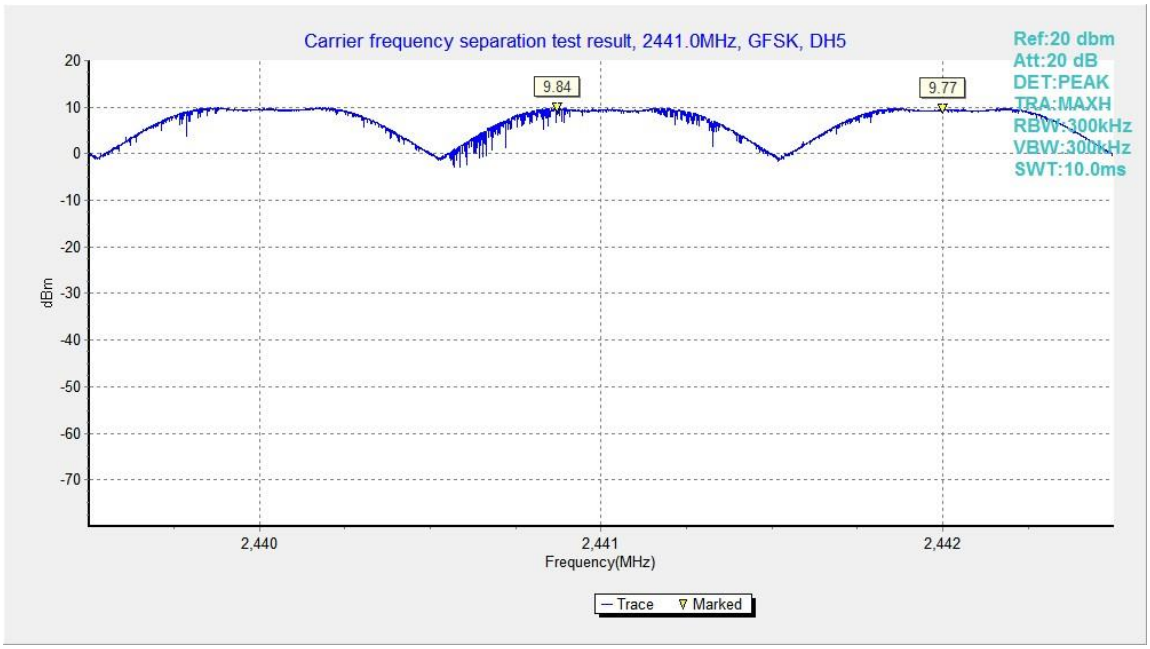


Fig.91. Carrier frequency separation measurement: GFSK, Channel 39

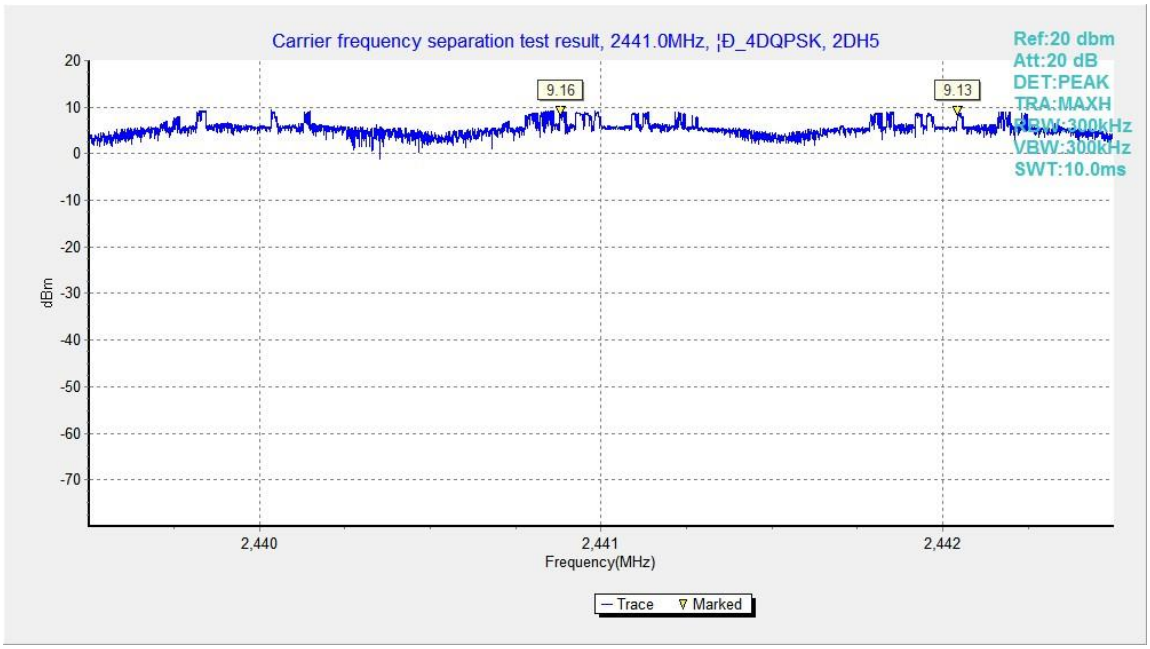


Fig.92. Carrier frequency separation measurement: π/4 DQPSK, Channel 39

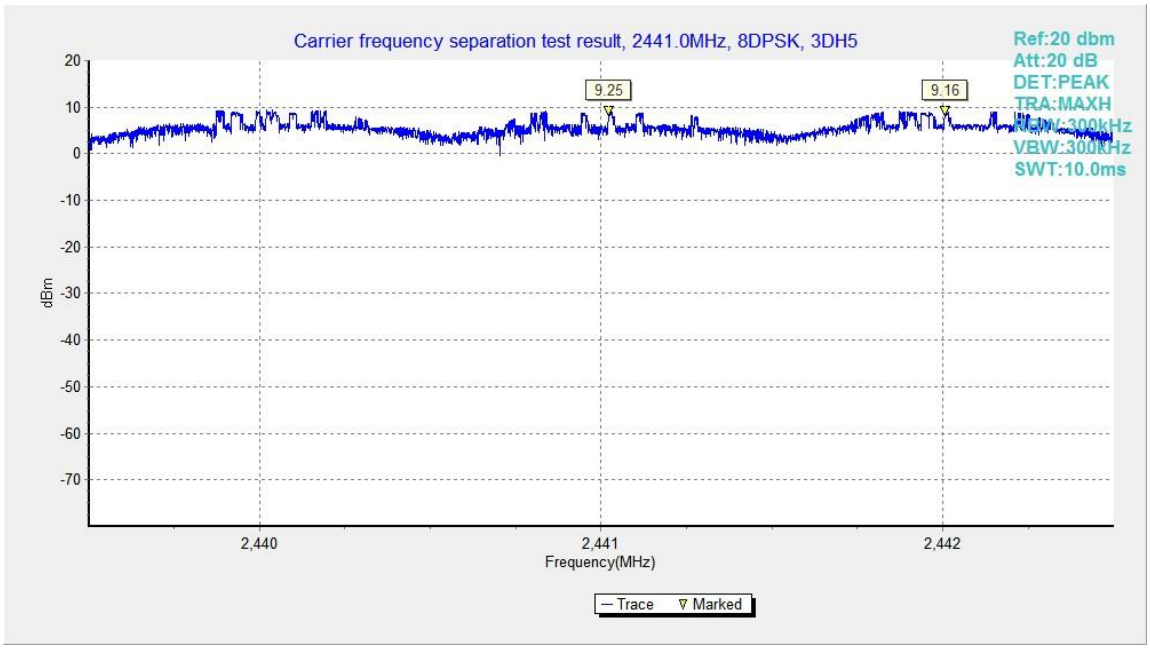


Fig.93. Carrier frequency separation measurement: 8DPSK, Channel 39

B.10. 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:

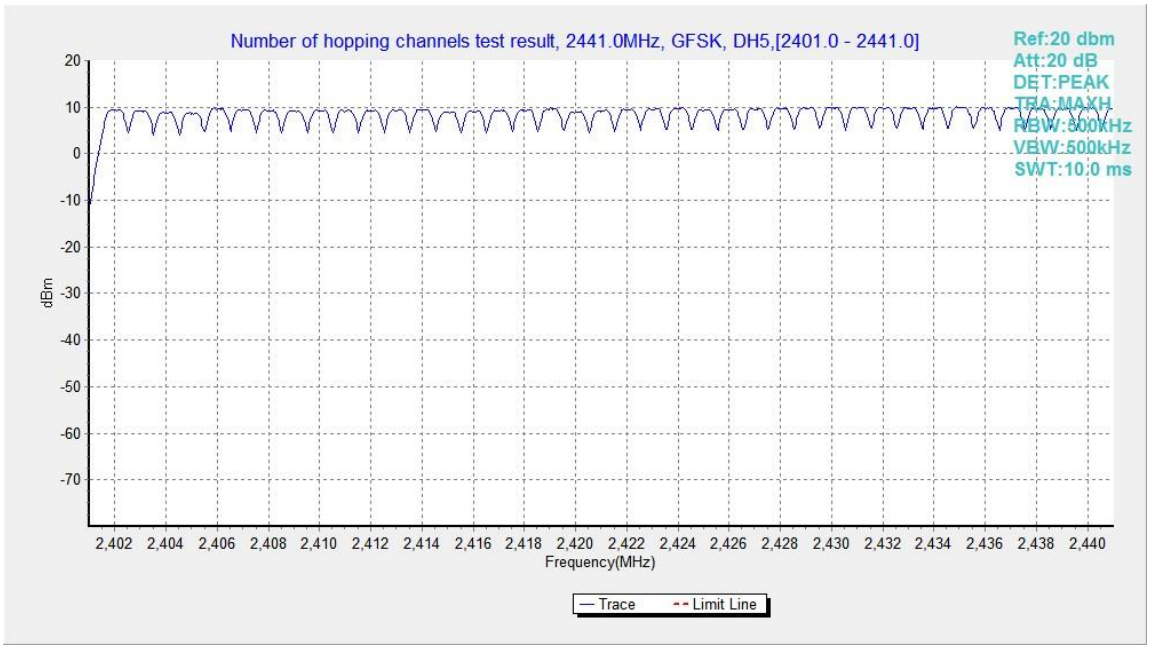


Fig.94. Number of hopping frequencies: GFSK, Channel 0 - 39

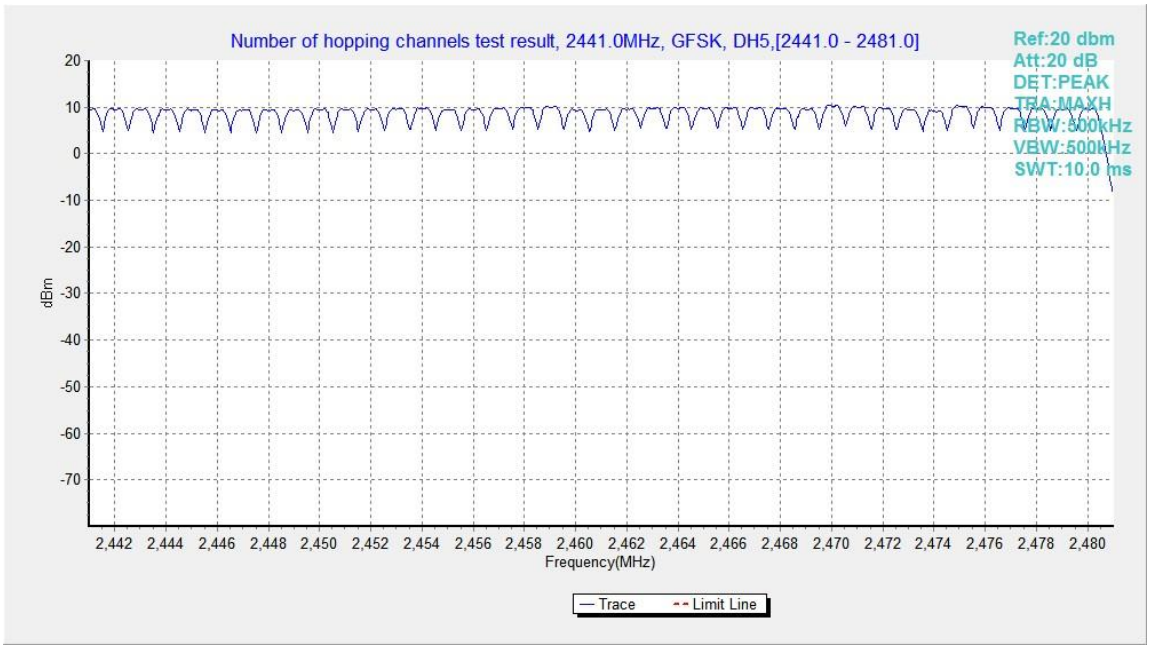


Fig.95. Number of hopping frequencies: GFSK, Channel 40 - 78

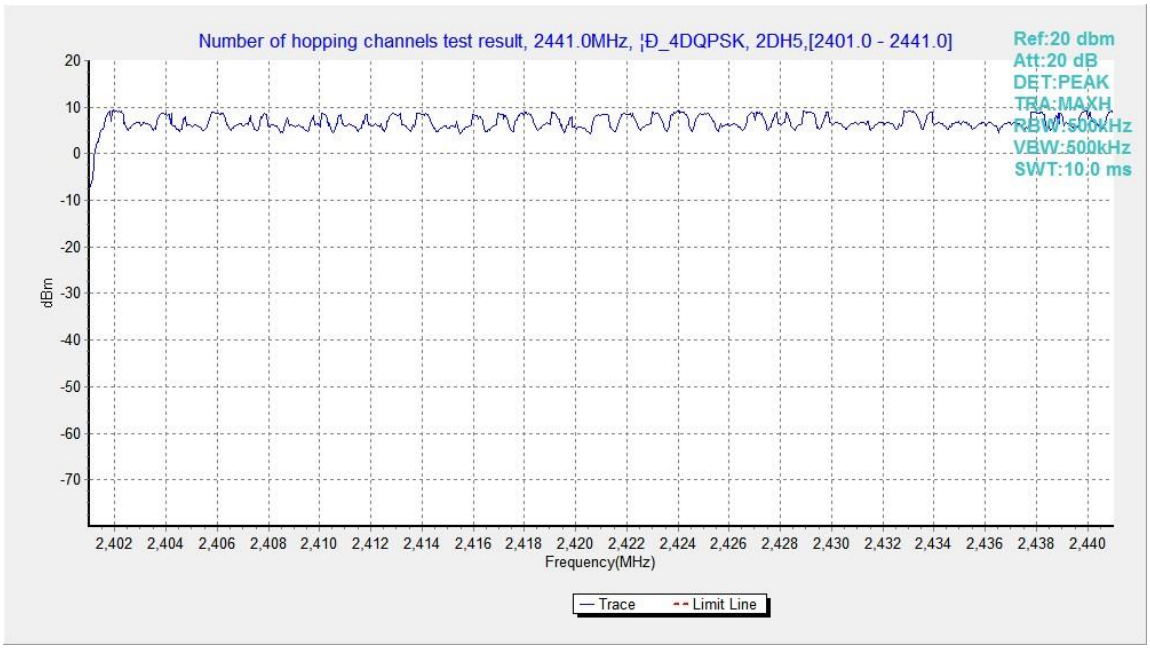


Fig.96. Number of hopping frequencies: π/4 DQPSK, Channel 0 - 39

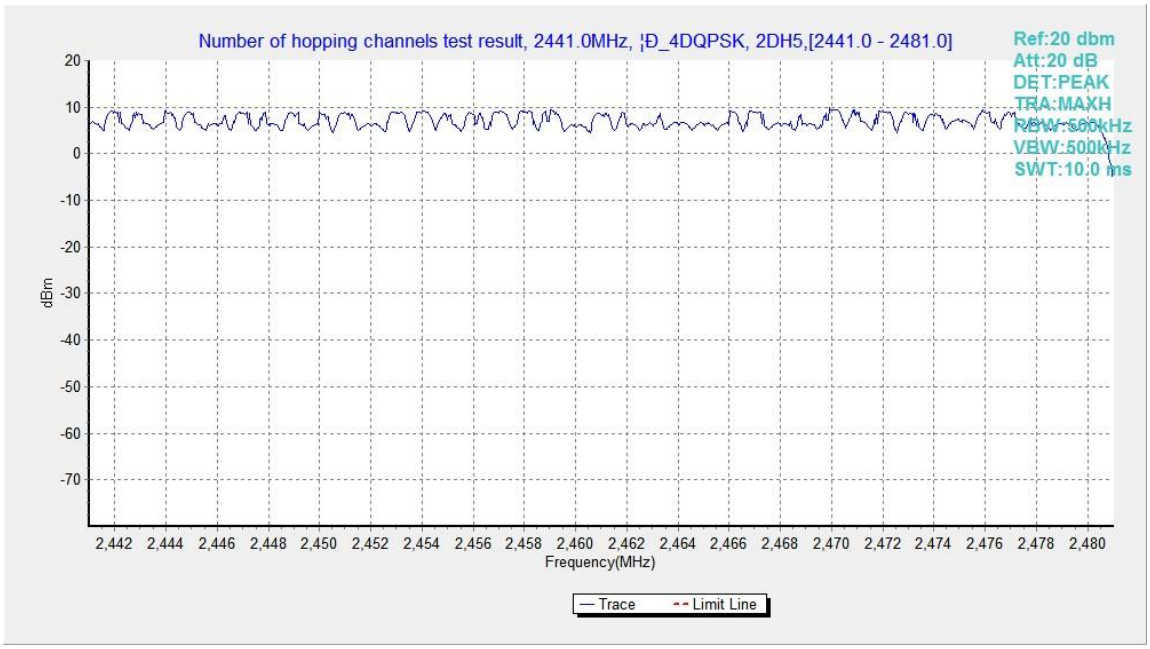


Fig.97. Number of hopping frequencies: π/4 DQPSK, Channel 40 - 78

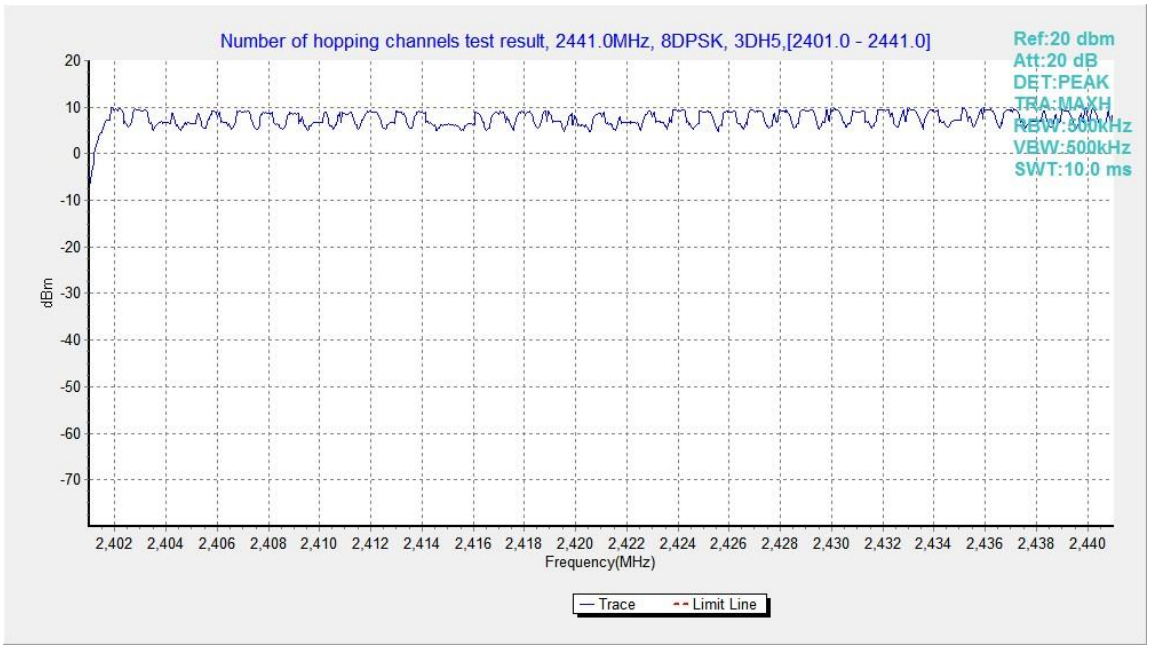


Fig.98. Number of hopping frequencies: 8DPSK, Channel 0 - 39

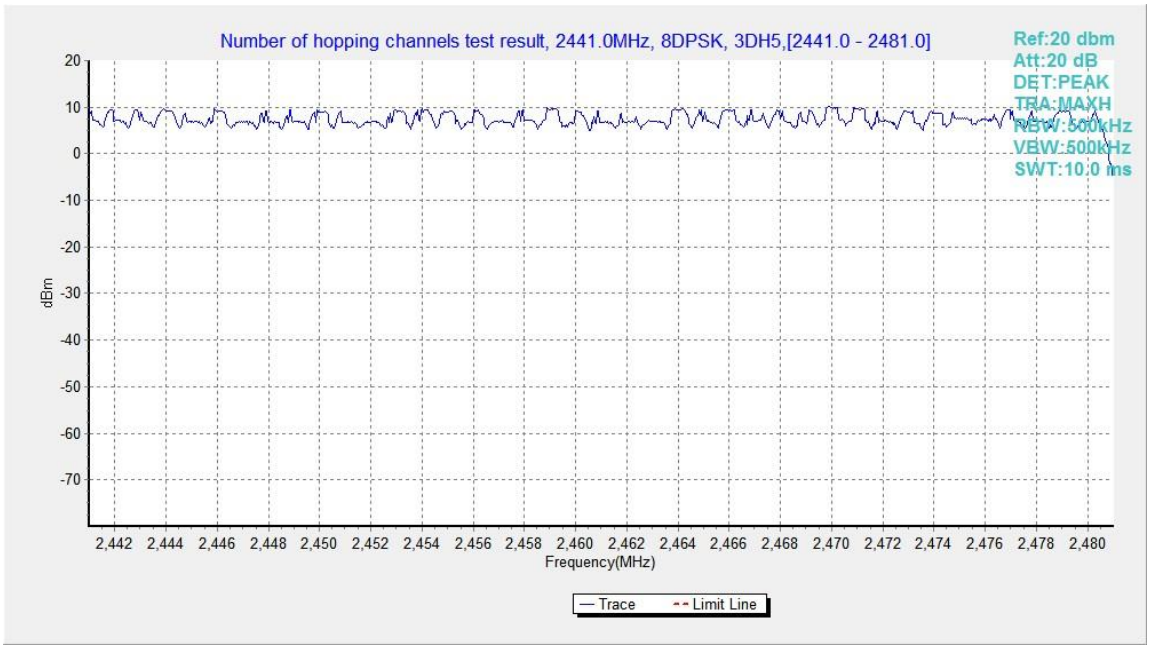


Fig.99. Number of hopping frequencies: 8DPSK, Channel 40 - 78

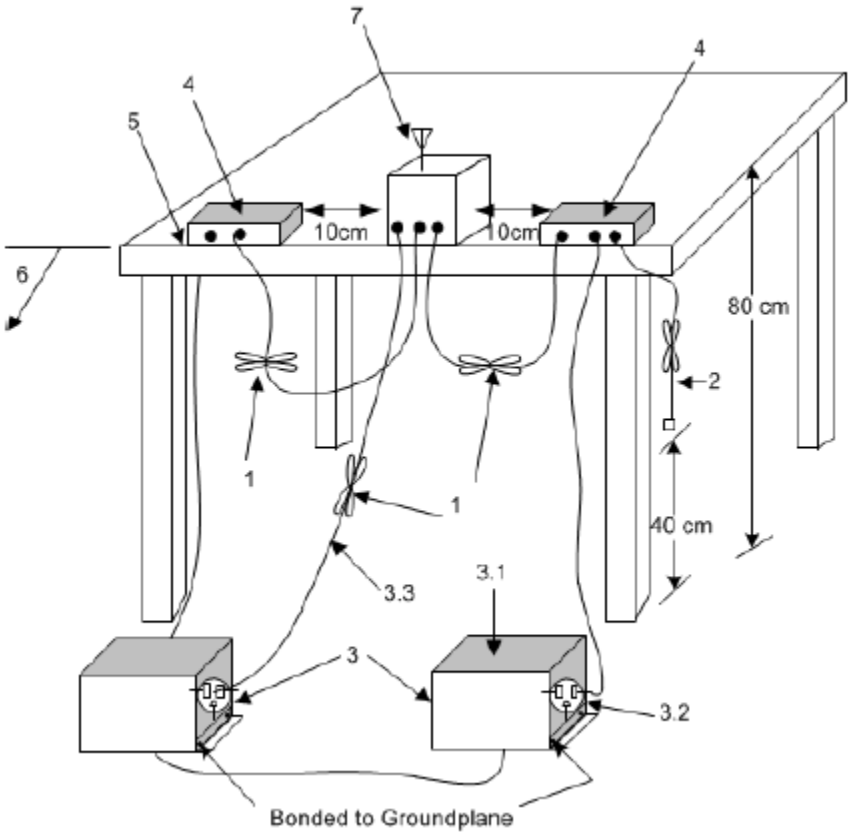
B.11. AC Powerline Conducted Emission

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

Setup:

A stand-alone EUT shall be placed in the center along the back edge of the tabletop. For multiunit tabletop systems, the EUT shall be centered laterally (left to right facing the tabletop) on the tabletop and its rear shall be flush with the rear of the table.

Accessories that are part of an EUT system tested on a tabletop shall be placed in a test arrangement on one or both sides of the host with a 10 cm separation between the nearest points of the cabinets. The rear of the host and accessories shall be flush with the back of the supporting tabletop unless that would not be typical of normal use. If more than two accessories are present, then an equipment test arrangement shall be chosen that maintains 10 cm spacing between cabinets unless the equipment is normally located closer together.



Exploratory ac power-line conducted emission measurements

Exploratory measurements shall be used to identify the frequency of the emission that has the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable positions, and with a typical system equipment configuration and arrangement. For each mode of operation and for each ac power current-carrying conductor, cable manipulation shall be performed within the range of likely configurations. For this measurement or series of measurements, the frequency spectrum of interest shall be monitored looking for the emission that has the highest amplitude relative to the limit. Once that emission is found for each current-carrying conductor of each power cord associated with the EUT (but not the cords

associated with non-EUT equipment in the overall system), the one configuration and arrangement and mode of operation that produces the emission closest to the limit over all of the measured conductors shall be recorded.

Final ac power-line conducted emission measurements

Based on the exploratory tests of the EUT, 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. 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. 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. If the EUT is composed 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), then 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 measured separately. 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.

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:

EUT ID: EUT3

Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger TN-050120U9		
		bluetooth	Idle	
0.15 to 0.5	66 to 56	Fig.B.11.1	Fig.B.11.2	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.				

Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger TN-050120U9		
		bluetooth	Idle	
0.15 to 0.5	56 to 46	Fig.B.11.1	Fig.B.11.2	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.

Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	**Quasi-peak Limit (dBμV)**	**Result (dBμV)**		**Conclusion**
		With charger TN-050120U8		
		bluetooth	**Idle**	
0.15 to 0.5	67 to 56	Fig.B.11.3	/	**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.				

Bluetooth (Average Limit)

Frequency range (MHz)	**Average Limit (dBμV)**	**Result (dBμV)**		**Conclusion**
		With charger TN-050120U8		
		bluetooth	**Idle**	
0.15 to 0.5	56 to 46	Fig.B.11.3	/	**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.				

Conclusion: Pass

Test graphs as below:

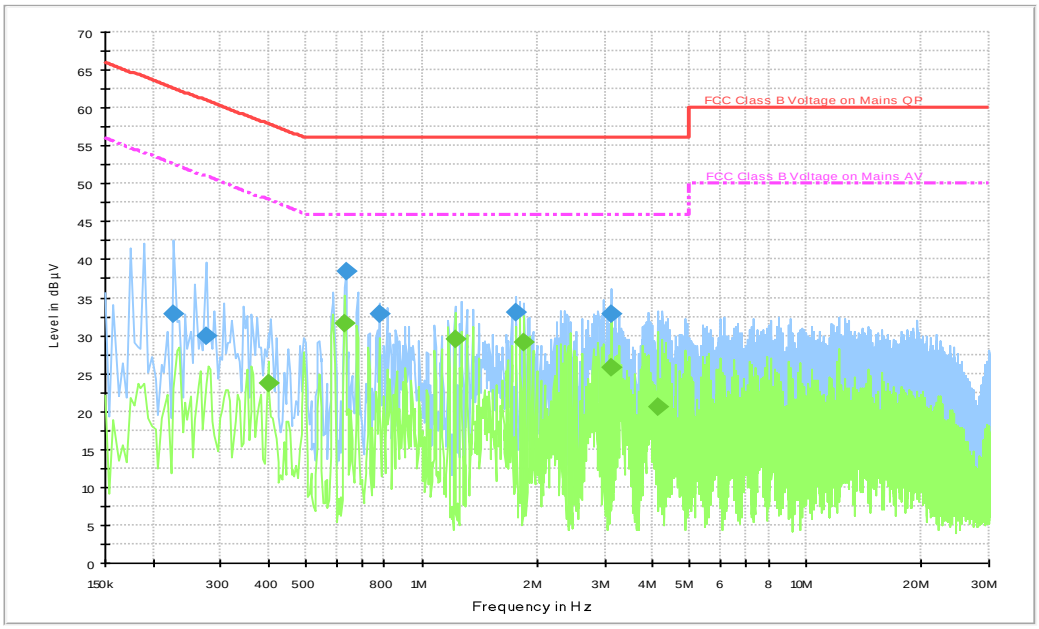


Fig.B.11.1 AC Powerline Conducted Emission- Bluetooth, TN-050120U9

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.226000	32.9	N	29.7	62.6
0.274000	29.8	L1	31.2	61.0
0.634000	38.4	L1	17.6	56.0
0.774000	32.9	L1	23.1	56.0
1.758000	33.1	L1	22.9	56.0
3.118000	32.8	L1	23.2	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.398000	23.7	L1	24.2	47.9
0.630000	31.6	L1	14.4	46.0
1.222000	29.4	L1	16.6	46.0
1.854000	29.0	L1	17.0	46.0
3.118000	25.7	L1	20.3	46.0
4.102000	20.6	L1	25.4	46.0

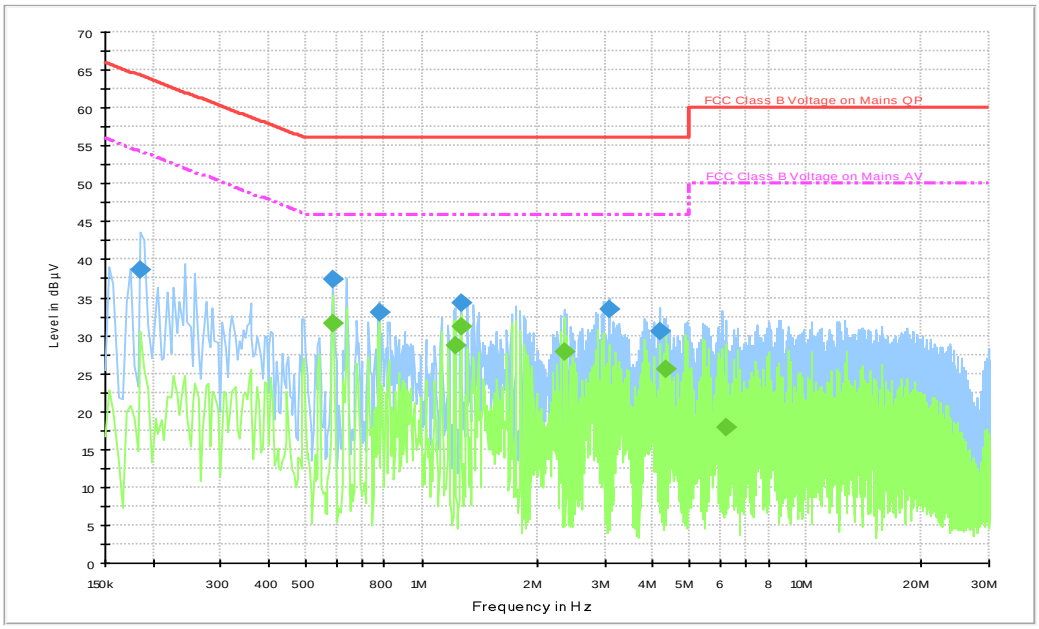


Fig.B.11.2 AC Powerline Conducted Emission-Idle, TN-050120U9

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.186000	38.7	L1	25.5	64.2
0.586000	37.5	L1	18.5	56.0
0.774000	33.0	L1	23.0	56.0
1.266000	34.2	L1	21.8	56.0
3.070000	33.4	L1	22.6	56.0
4.194000	30.6	L1	25.4	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.590000	31.5	L1	14.5	46.0
1.222000	28.7	L1	17.3	46.0
1.266000	31.1	L1	14.9	46.0
2.346000	27.7	L1	18.3	46.0
4.338000	25.6	L1	20.4	46.0
6.182000	17.8	L1	32.2	50.0

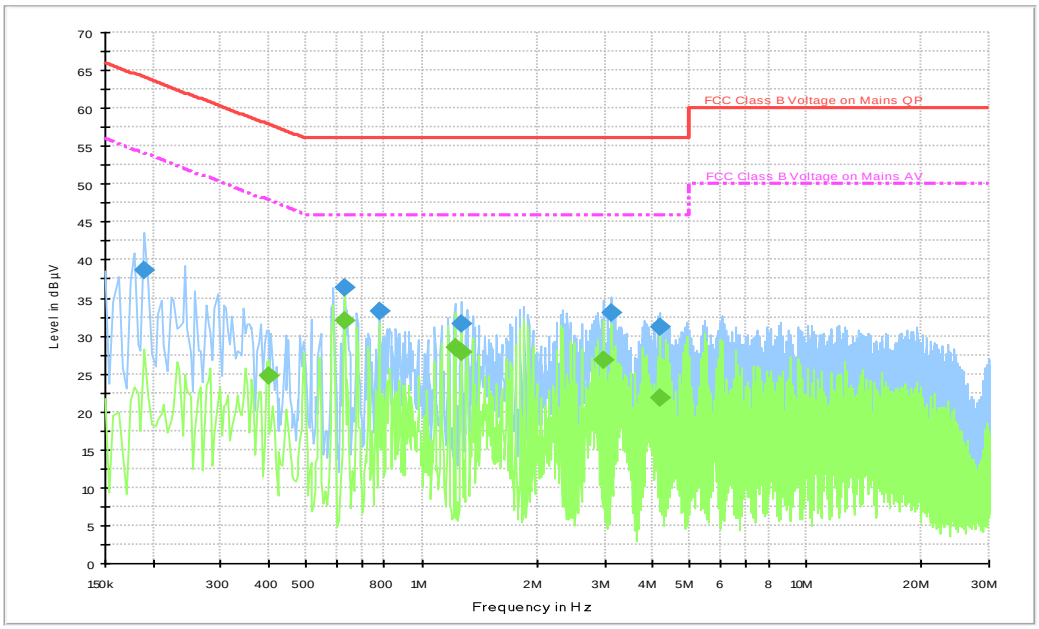


Fig.B.11.3 AC Powerline Conducted Emission- Bluetooth, TN-050120U8

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

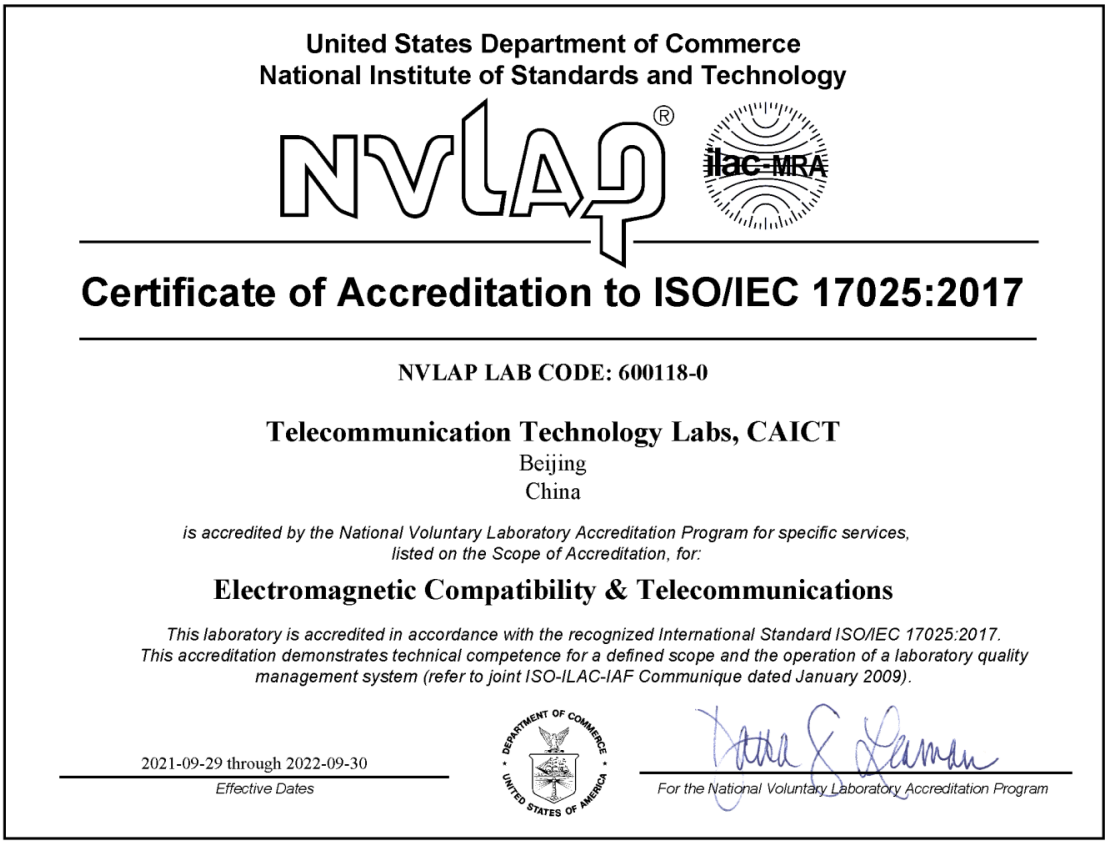
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.190000	38.7	L1	25.3	64.0
0.630000	36.3	L1	19.7	56.0
0.774000	33.2	L1	22.8	56.0
1.270000	31.5	L1	24.5	56.0
3.118000	33.0	L1	23.0	56.0
4.190000	31.1	L1	24.9	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Line	Margin (dB)	Limit (dBµV)
0.398000	24.7	L1	23.2	47.9
0.630000	32.1	L1	14.0	46.0
1.222000	28.4	L1	17.6	46.0
1.270000	27.8	L1	18.2	46.0
2.974000	26.9	L1	19.1	46.0
4.190000	21.8	L1	24.2	46.0

ANNEX C: Accreditation Certificate



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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 17025:2017. 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).

2021-09-29 through 2022-09-30
Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program

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