

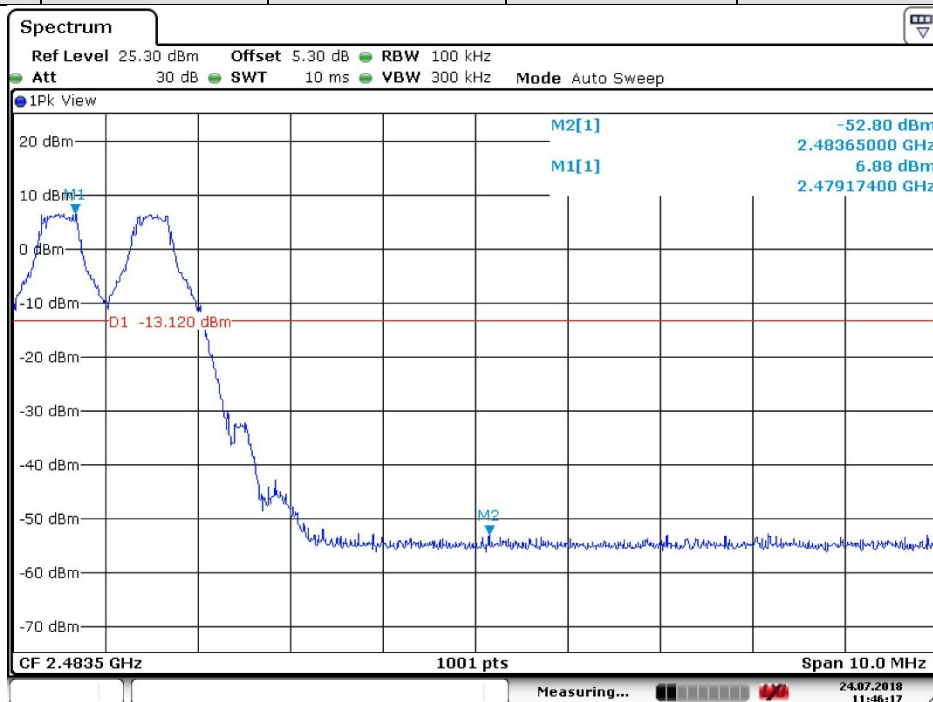


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Report No.: SZEM180700624406

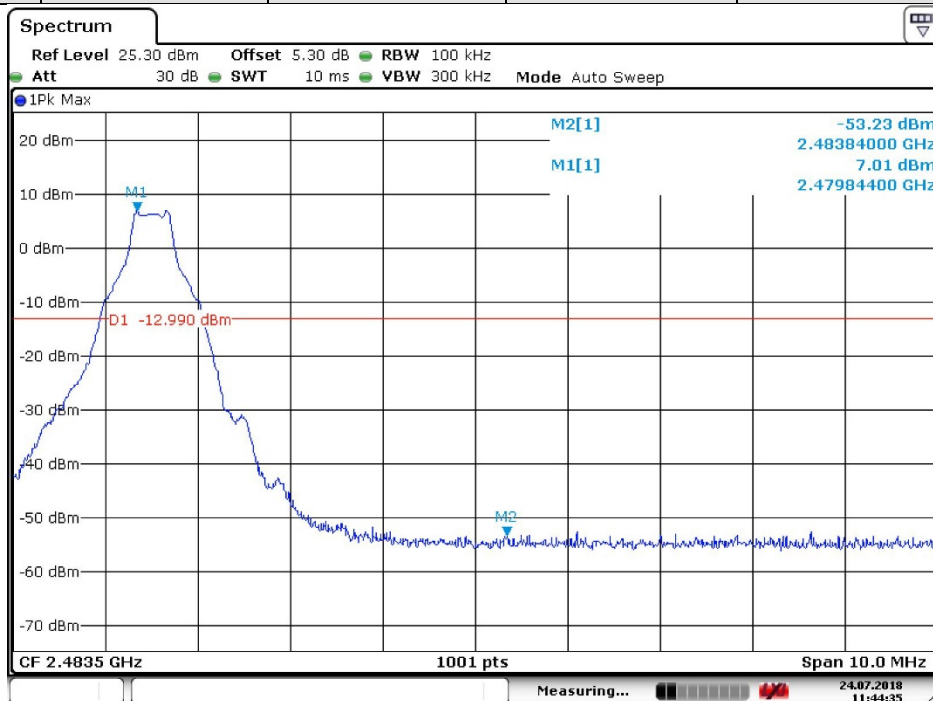
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Test mode:	GFSK	Test channel:	Highest	Hopping	ON
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Date: 24 JUL 2018 11:46:17

Test mode:	GFSK	Test channel:	Highest	Hopping	馮肥发
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Date: 24 JUL 2018 11:44:36

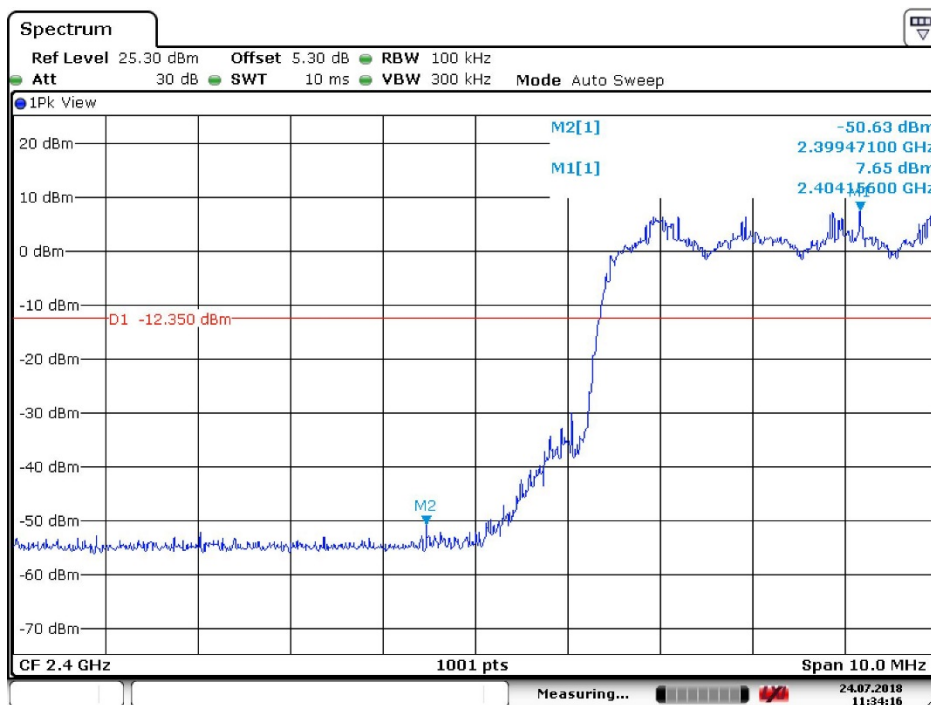


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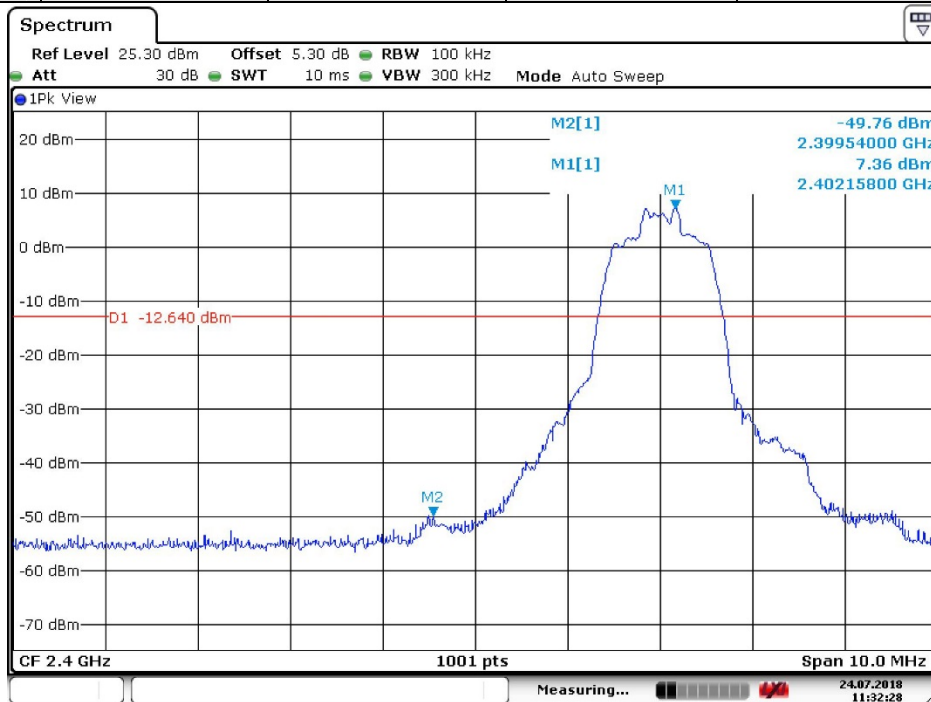
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Test mode:	$\pi/4$ DQPSK	Test channel:	Lowest	Hopping	ON
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Date: 24 JUL 2018 11:34:16

Test mode:	$\pi/4$ DQPSK	Test channel:	Lowest	Hopping	OFF
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Date: 24 JUL 2018 11:32:28

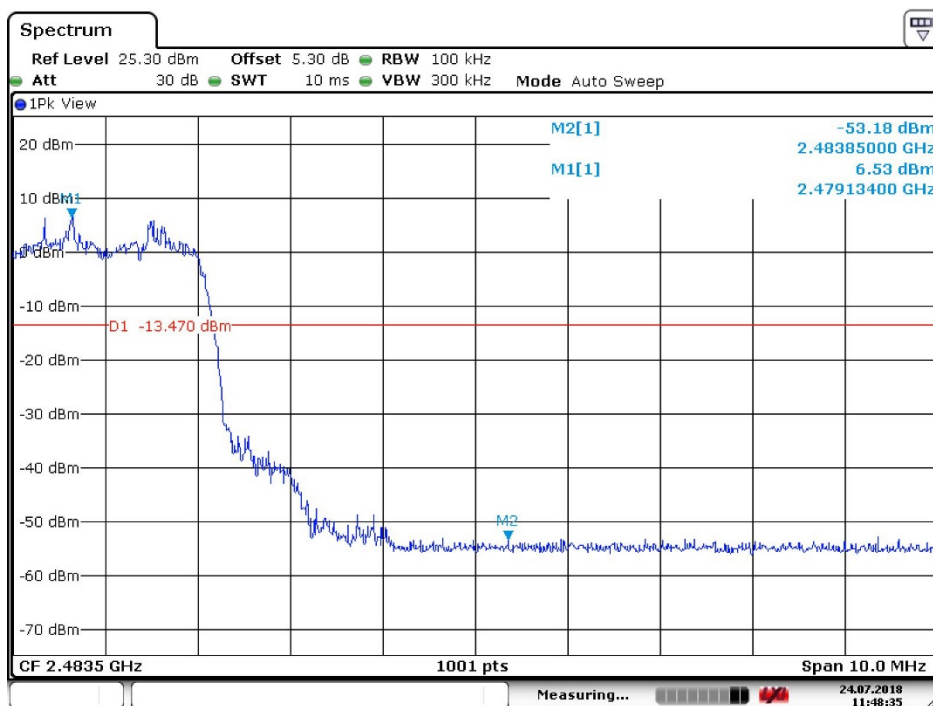


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Test mode:	$\pi/4$ DQPSK	Test channel:	Highest	Hopping	ON
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Date: 24 JUL 2018 11:48:36

Test mode:	$\pi/4$ DQPSK	Test channel:	Highest	Hopping	OFF
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Date: 24 JUL 2018 11:40:14

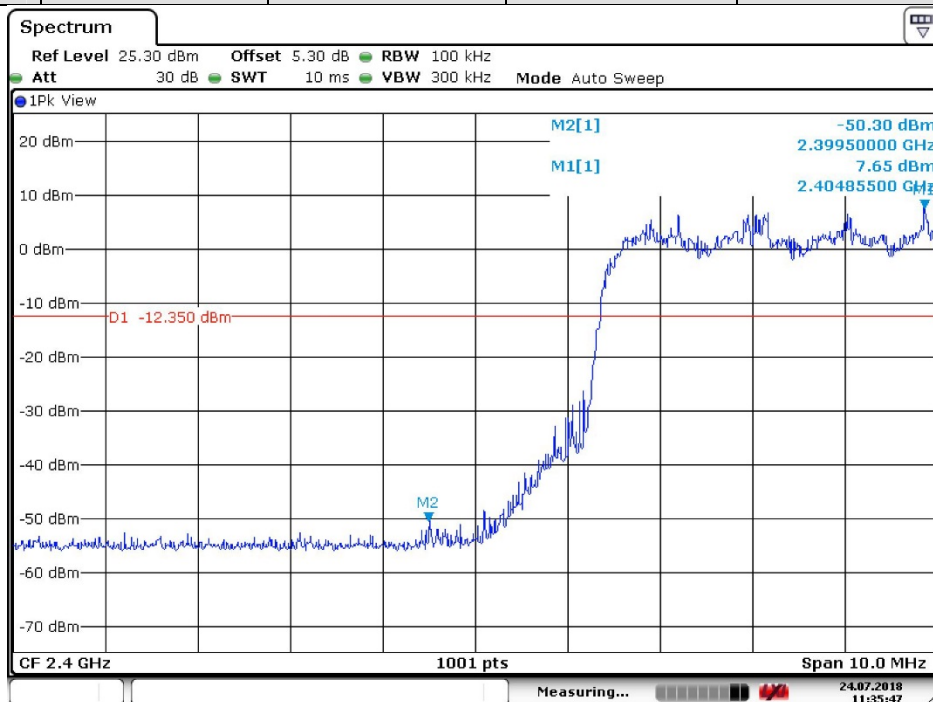


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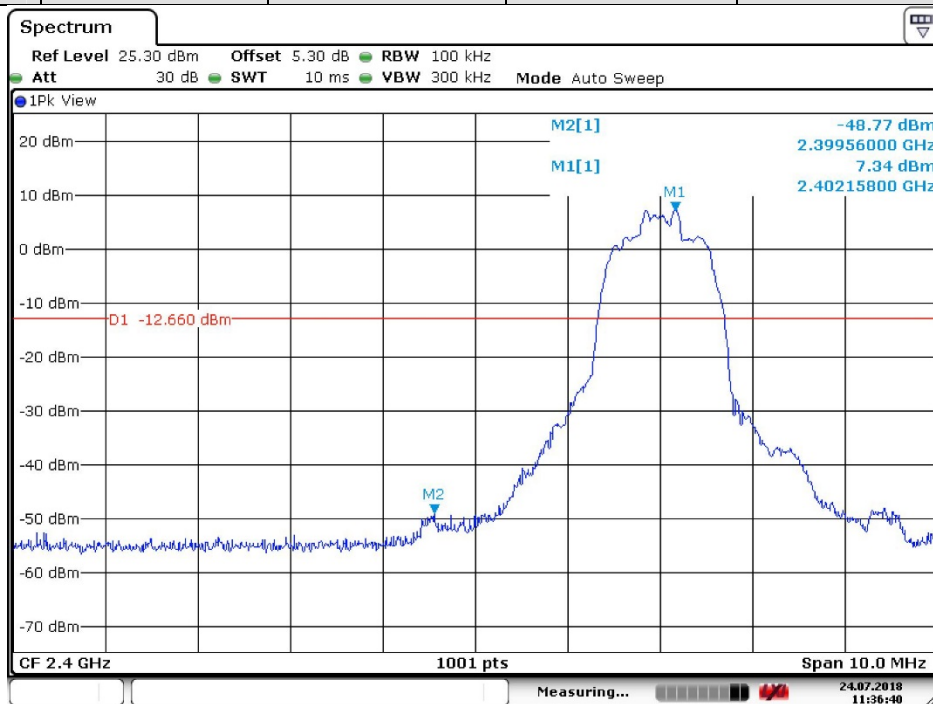
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Test mode:	8DPSK	Test channel:	Lowest	Hopping	ON
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Date: 24.JUL.2018 11:35:47

Test mode:	8DPSK	Test channel:	Lowest	Hopping	OFF
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Date: 24.JUL.2018 11:36:40



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Test mode:	8DPSK	Test channel:	Highest	Hopping	ON
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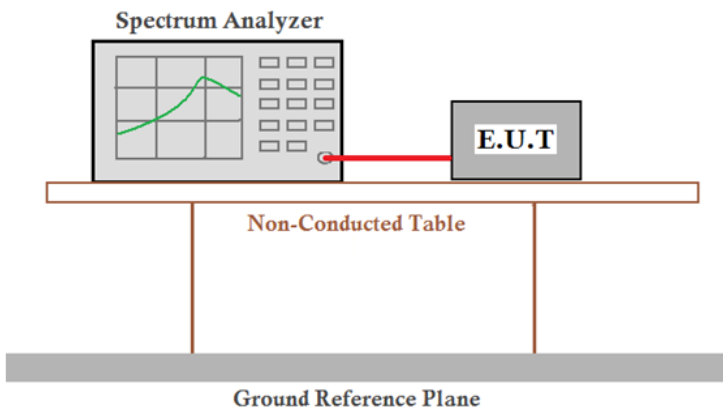
Date: 24 JUL 2018 11:51:42

Test mode:	8DPSK	Test channel:	Highest	Hopping	OFF
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Date: 24 JUL 2018 11:38:20

4.9 Spurious RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 Section 7.8.8
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.</p>
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi/4$ DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



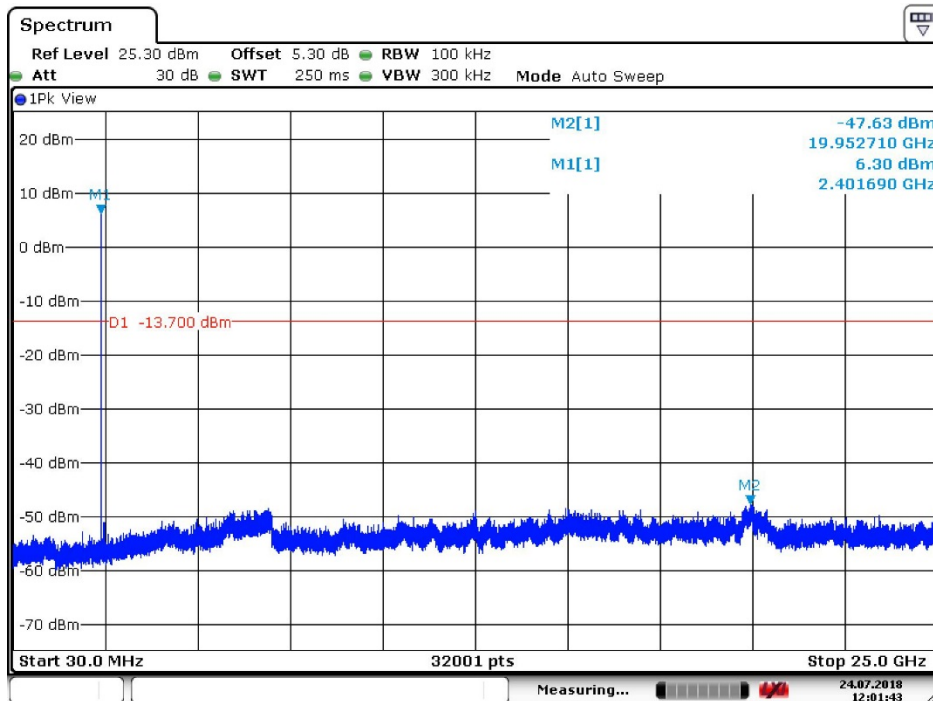
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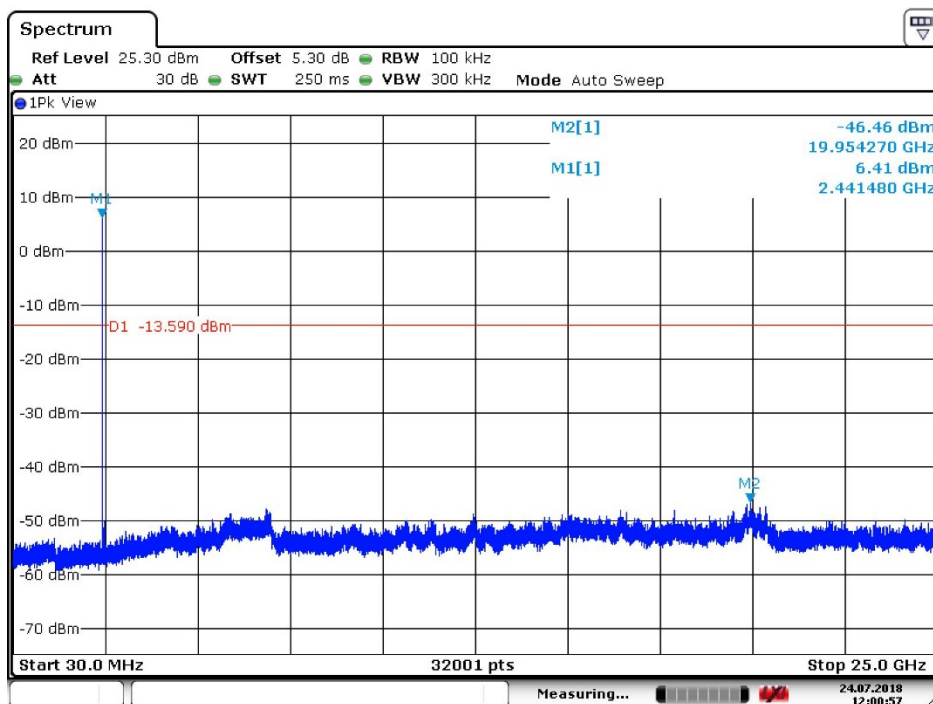
Test plot as follows:

Test mode:	GFSK	Test channel:	Lowest
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Date: 24.JUL.2018 12:01:43

Test mode:	GFSK	Test channel:	Middle
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Date: 24.JUL.2018 12:00:57

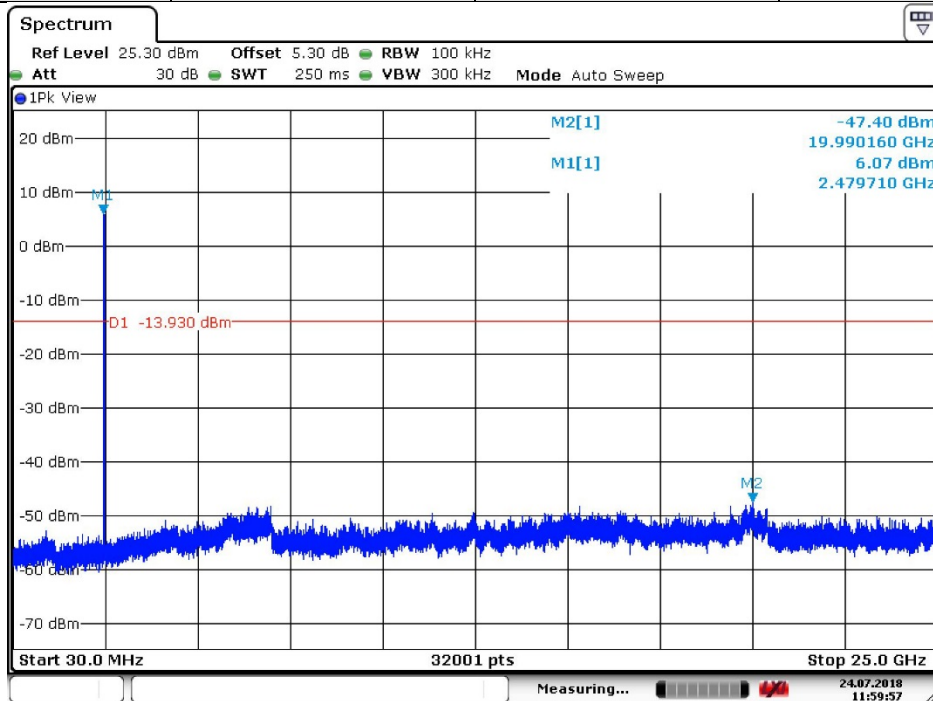


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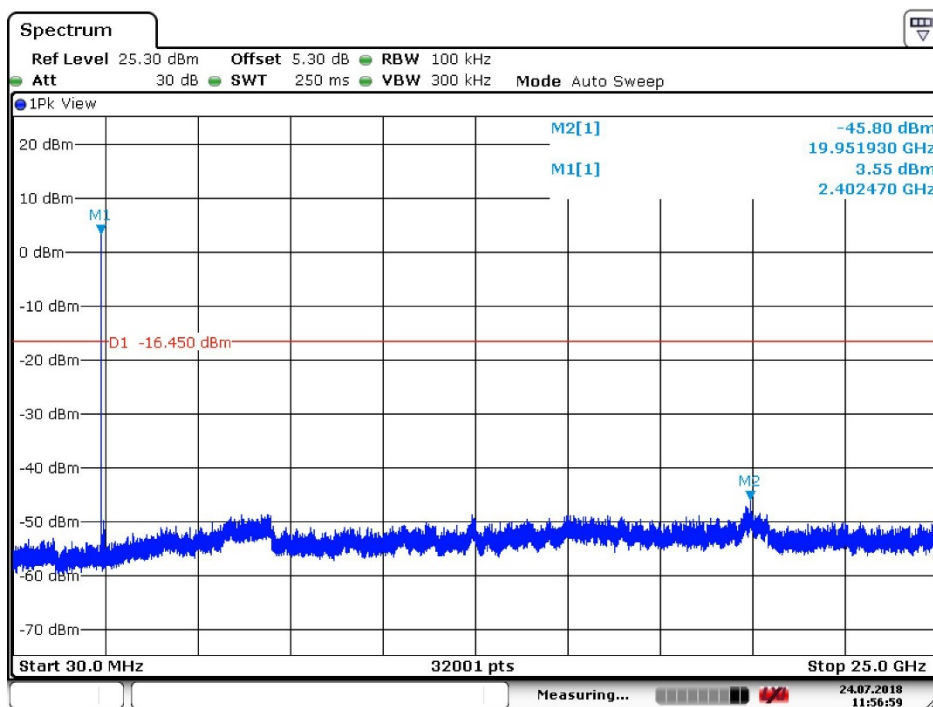
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Test mode:	GFSK	Test channel:	Highest
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Date: 24 JUL 2018 11:59:57

Test mode:	$\pi/4$ DQPSK	Test channel:	Lowest
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Date: 24 JUL 2018 11:56:59

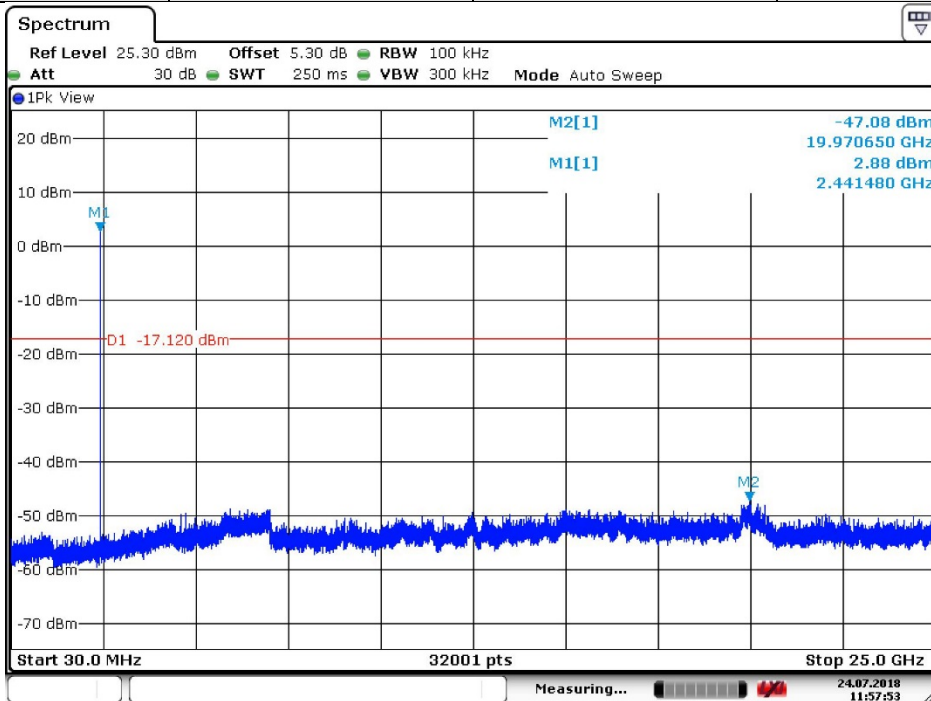


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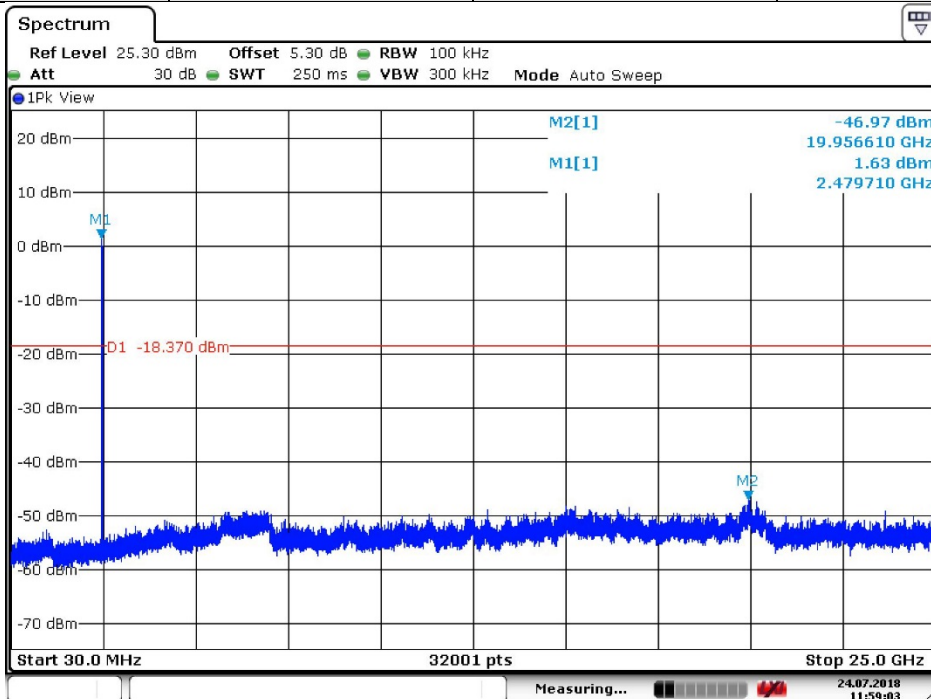
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Test mode:	$\pi/4$ DQPSK	Test channel:	Middle
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Date: 24.JUL.2018 11:57:53

Test mode:	$\pi/4$ DQPSK	Test channel:	Highest
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Date: 24.JUL.2018 11:59:03

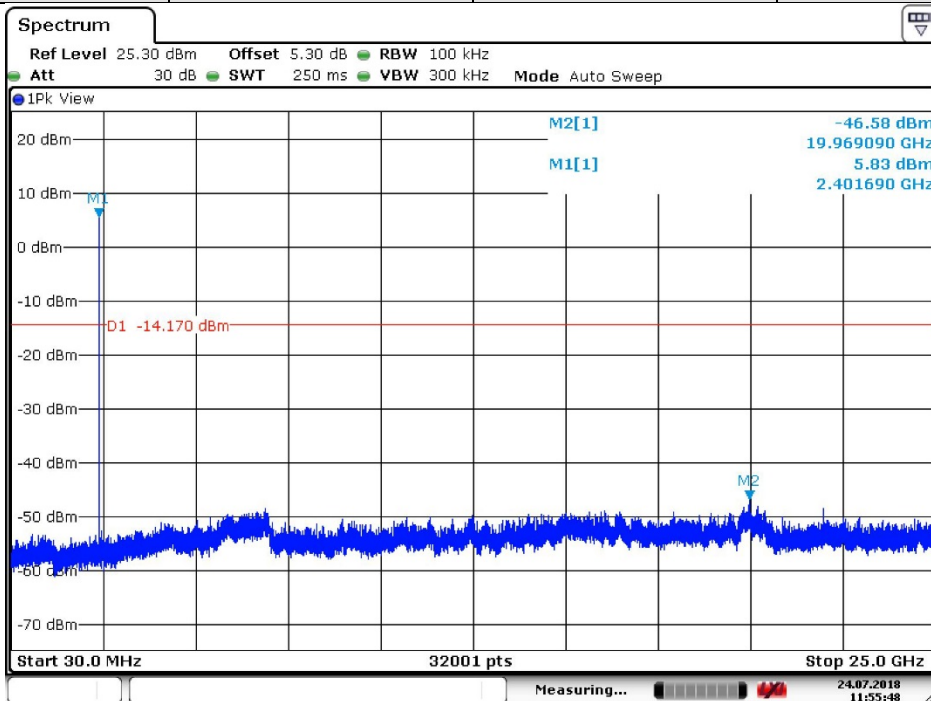


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Report No.: SZEM180700624406

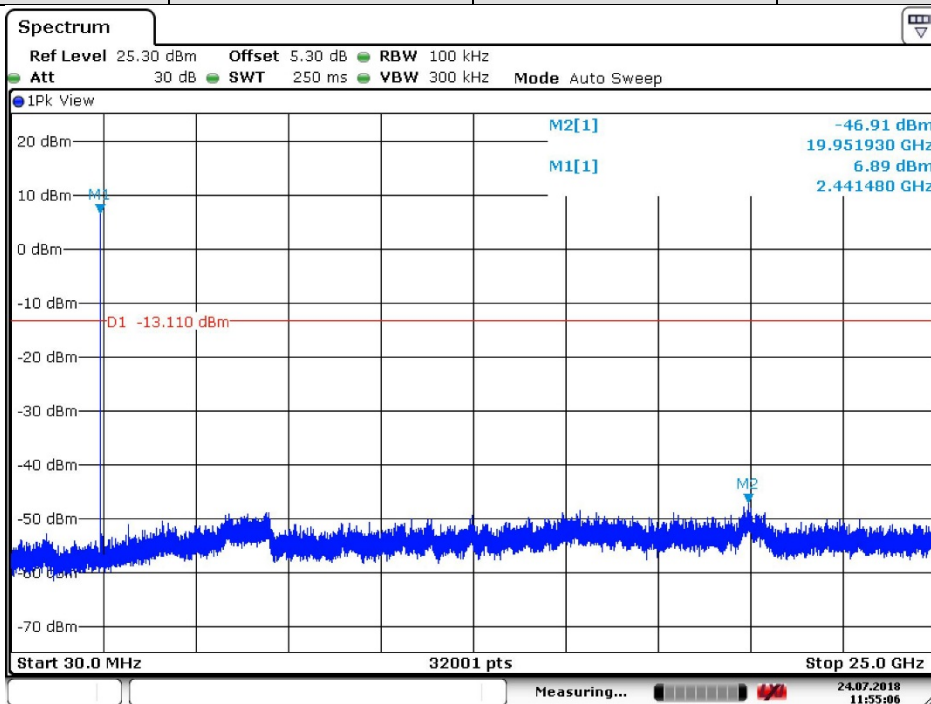
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Test mode:	8DPSK	Test channel:	Lowest
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Date: 24.JUL.2018 11:55:49

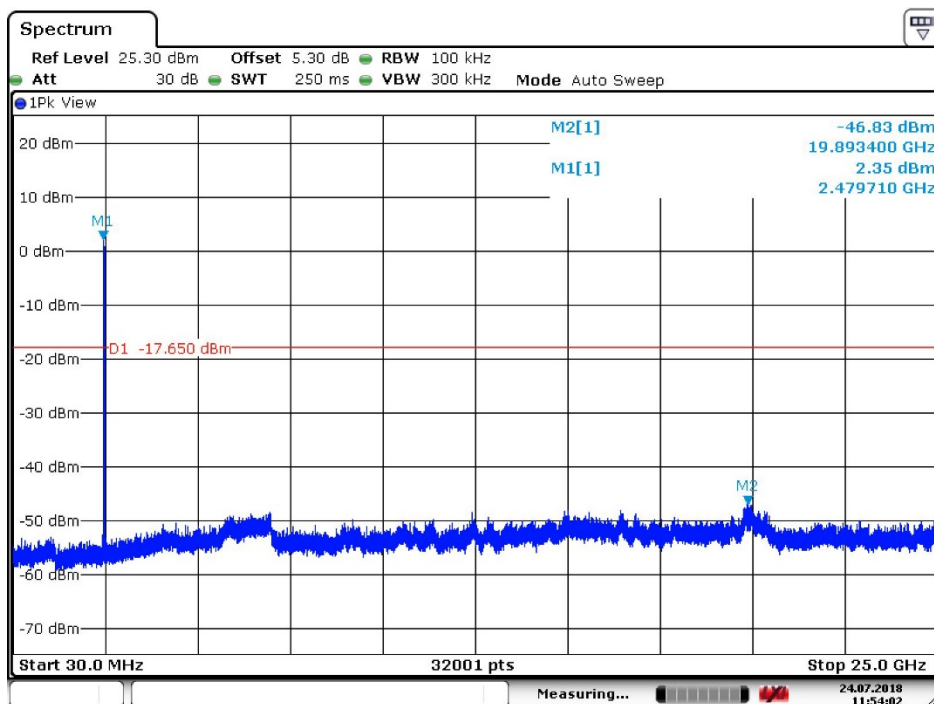
Test mode:	8DPSK	Test channel:	Middle
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Date: 24.JUL.2018 11:55:06



Test mode:	8DPSK	Test channel:	Highest
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Date: 24.JUL.2018 11:54:03

Remark:

Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



4.10 Radiated Spurious Emission

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				