

3.7.4.2 Radiated Emissions (Above 1 GHz)

TM 1 (DH5 / GFSK) _ 12 V

Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.82	44.38	V	X	Peak	0.00	3.05	47.43	74.00	26.57
	2 389.82	44.38	V	X	Average	-24.82	3.05	22.61	54.00	31.39
	4 804.32	55.99	V	X	Peak	0.00	4.57	60.56	74.00	13.44
	4 804.32	55.99	V	X	Average	-24.82	4.57	35.74	54.00	18.26
2440	4 880.35	60.15	V	X	Peak	0.00	5.12	65.27	74.00	8.73
	4 880.35	60.15	V	X	Average	-24.82	5.12	40.45	54.00	13.55
2480	2 483.89	45.19	V	X	Peak	0.00	3.43	48.62	74.00	25.38
	2 483.89	45.19	V	X	Average	-24.82	3.43	23.80	54.00	30.20
	4 960.35	60.63	V	X	Peak	0.00	5.34	65.97	74.00	8.03
	4 960.35	60.63	V	X	Average	-24.82	5.34	41.15	54.00	12.85

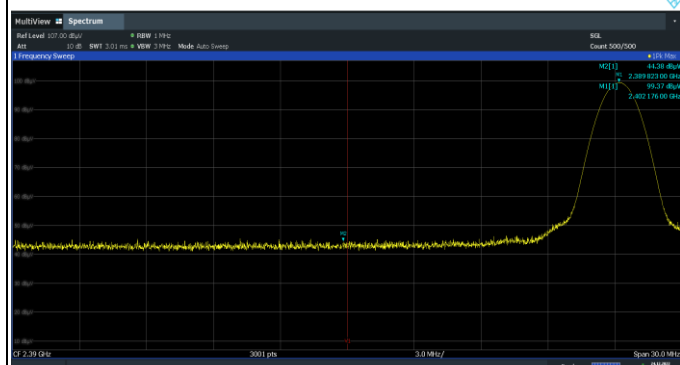
TM 1 (DH5 / GFSK) _ 24 V

Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.89	44.65	V	X	Peak	0.00	3.05	47.70	74.00	26.30
	2 389.89	44.65	V	X	Average	-24.82	3.05	22.88	54.00	31.12
	4 804.26	55.96	V	X	Peak	0.00	4.57	60.53	74.00	13.47
	4 804.26	55.96	V	X	Average	-24.82	4.57	35.71	54.00	18.29
2440	4 880.32	60.08	V	X	Peak	0.00	5.12	65.20	74.00	8.80
	4 880.32	60.08	V	X	Average	-24.82	5.12	40.38	54.00	13.62
2480	2 484.95	45.27	V	X	Peak	0.00	3.44	48.71	74.00	25.29
	2 484.95	45.27	V	X	Average	-24.82	3.44	23.88	54.00	30.12
	4 960.22	60.57	V	X	Peak	0.00	5.34	65.91	74.00	8.09
	4 960.22	60.57	V	X	Average	-24.82	5.34	41.09	54.00	12.91

DH5 / GFSK

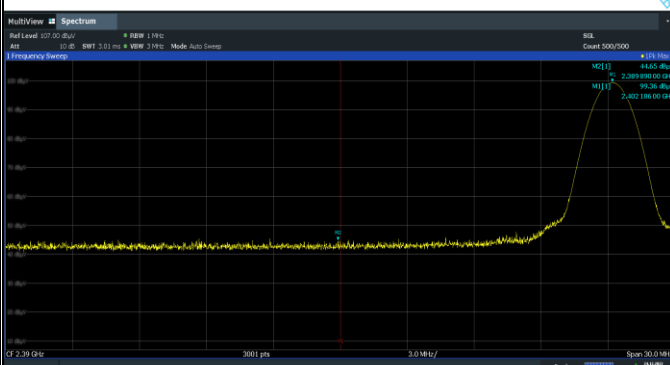
12 V

Bandedge_2 402 MHz

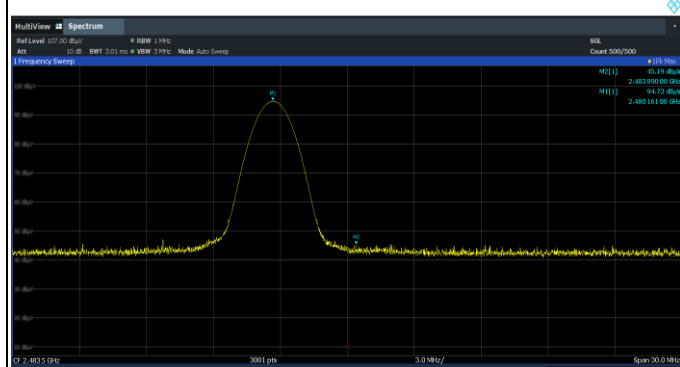


24 V

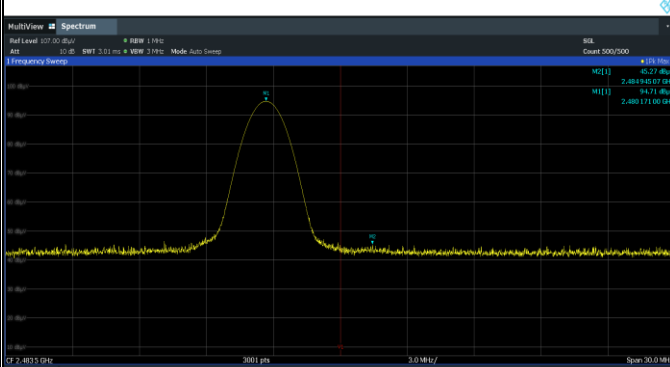
Bandedge_2 402 MHz



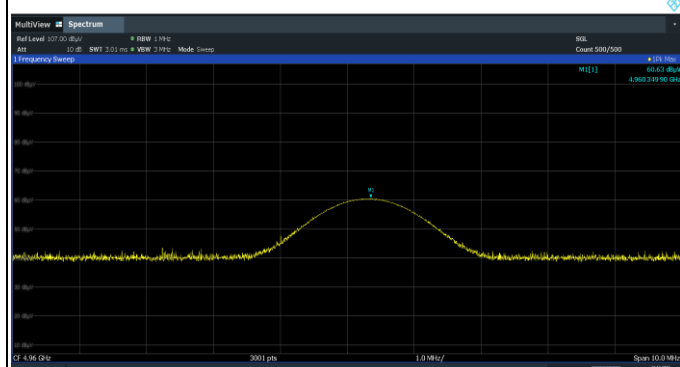
Bandedge_2 480 MHz



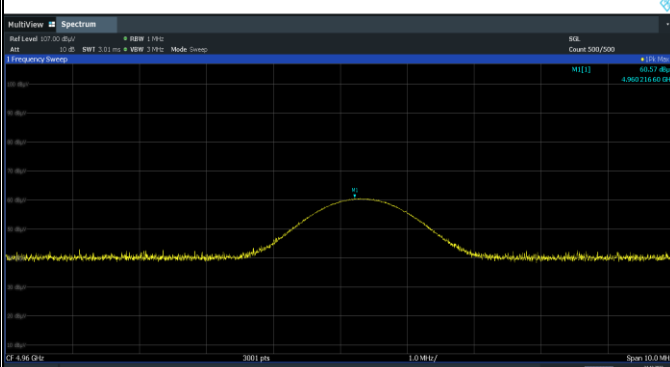
Bandedge_2 480 MHz



Spurious _ Worst case



Spurious _ Worst case



TM 2 (2DH5 / π /4DQPSK) _ 12 V

Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.25	45.62	V	X	Peak	0.00	3.05	48.67	74.00	25.33
	2 389.25	45.62	V	X	Average	-24.81	3.05	23.87	54.00	30.13
	4 803.58	55.70	V	X	Peak	0.00	4.57	60.27	74.00	13.73
	4 803.58	55.70	V	X	Average	-24.81	4.57	35.46	54.00	18.54
2440	4 879.44	58.92	V	X	Peak	0.00	5.12	64.04	74.00	9.96
	4 879.44	58.92	V	X	Average	-24.81	5.12	39.23	54.00	14.77
2480	2 484.86	45.10	V	X	Peak	0.00	3.44	48.54	74.00	25.46
	2 484.86	45.10	V	X	Average	-24.81	3.44	23.73	54.00	30.27
	4 959.49	57.70	V	X	Peak	0.00	5.34	63.04	74.00	10.96
	4 959.49	57.70	V	X	Average	-24.81	5.34	38.23	54.00	15.77

TM 2 (2DH5 / π /4DQPSK) _ 24 V

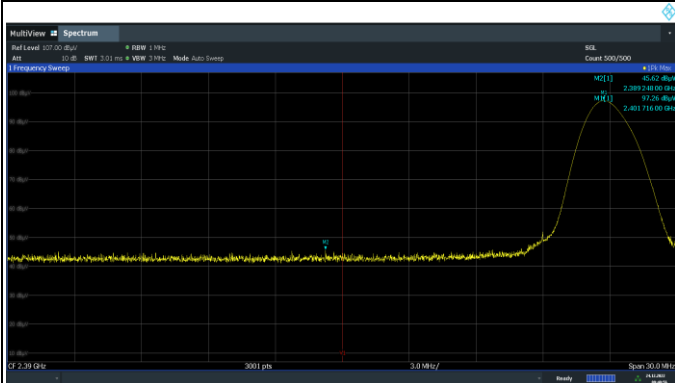
Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.87	44.77	V	X	Peak	0.00	3.05	47.82	74.00	26.18
	2 389.87	44.77	V	X	Average	-24.81	3.05	23.02	54.00	30.98
	4 803.44	55.72	V	X	Peak	0.00	4.57	60.29	74.00	13.71
	4 803.44	55.72	V	X	Average	-24.81	4.57	35.48	54.00	18.52
2440	4 879.46	58.93	V	X	Peak	0.00	5.12	64.05	74.00	9.95
	4 879.46	58.93	V	X	Average	-24.81	5.12	39.24	54.00	14.76
2480	2 484.10	45.51	V	X	Peak	0.00	3.43	48.94	74.00	25.06
	2 484.10	45.51	V	X	Average	-24.81	3.43	24.14	54.00	29.86
	4 959.44	57.72	V	X	Peak	0.00	5.34	63.06	74.00	10.94
	4 959.44	57.72	V	X	Average	-24.81	5.34	38.25	54.00	15.75



2DH5 / $\pi/4$ DQPSK

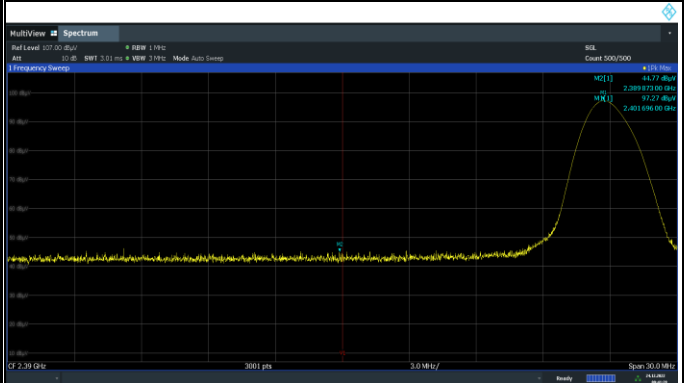
12 V

Bandedge_2 402 MHz

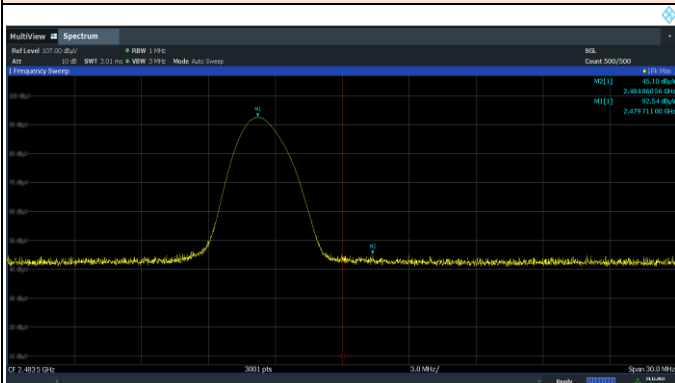


24 V

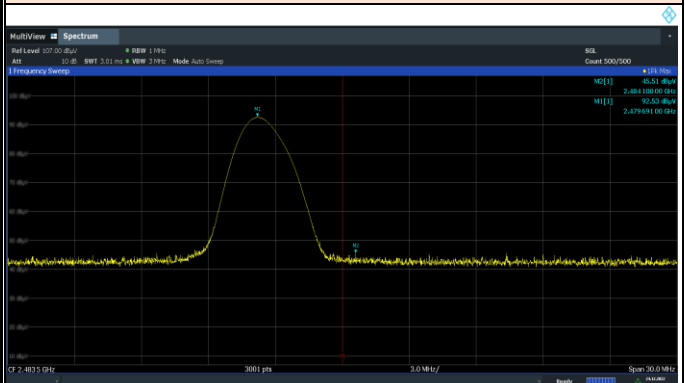
Bandedge_2 402 MHz



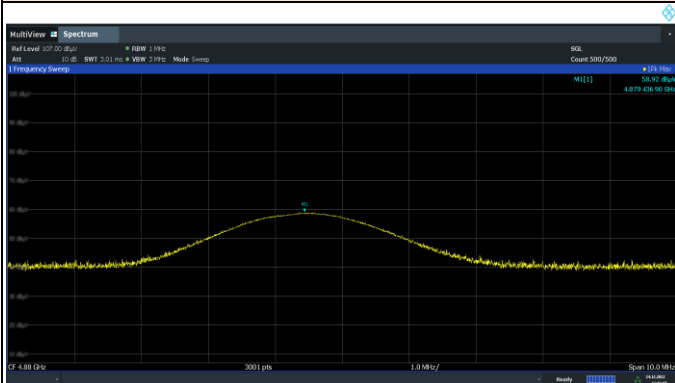
Bandedge_2 480 MHz



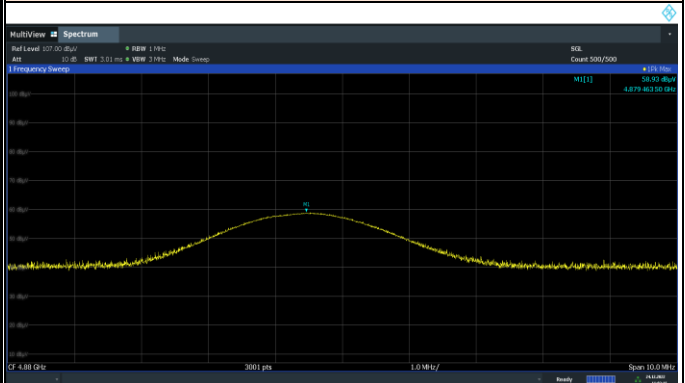
Bandedge_2 480 MHz



Spurious _ Worst case



Spurious _ Worst case



TM 3 (3DH5 / 8DPSK) _ 12 V

Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.01	45.29	V	X	Peak	0.00	3.05	48.34	74.00	25.66
	2 389.01	45.29	V	X	Average	-24.78	3.05	23.56	54.00	30.44
	4 803.43	55.86	V	X	Peak	0.00	4.57	60.43	74.00	13.57
	4 803.43	55.86	V	X	Average	-24.78	4.57	35.65	54.00	18.35
2440	4 879.54	58.98	V	X	Peak	0.00	5.12	64.10	74.00	9.90
	4 879.54	58.98	V	X	Average	-24.78	5.12	39.32	54.00	14.68
2480	2 484.37	44.72	V	X	Peak	0.00	3.43	48.15	74.00	25.85
	2 484.37	44.72	V	X	Average	-24.78	3.43	23.38	54.00	30.62
	4 959.51	57.73	V	X	Peak	0.00	5.34	63.07	74.00	10.93
	4 959.51	57.73	V	X	Average	-24.78	5.34	38.29	54.00	15.71

TM 3 (3DH5 / 8DPSK) _ 24 V

Tested Frequency [MHz]	Frequency [MHz]	Reading Value [dBuV]	Pol [H/V]	EUT Axis	Detector Mode	DCCF [dB]	T.F [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]
2402	2 389.55	44.25	V	X	Peak	0.00	3.05	47.30	74.00	26.70
	2 389.55	44.25	V	X	Average	-24.78	3.05	22.53	54.00	31.47
	4 803.38	55.51	V	X	Peak	0.00	4.57	60.08	74.00	13.92
	4 803.38	55.51	V	X	Average	-24.78	4.57	35.30	54.00	18.70
2440	4 879.50	58.89	V	X	Peak	0.00	5.12	64.01	74.00	9.99
	4 879.50	58.89	V	X	Average	-24.78	5.12	39.23	54.00	14.77
2480	2 484.22	44.75	V	X	Peak	0.00	3.43	48.18	74.00	25.82
	2 484.22	44.75	V	X	Average	-24.78	3.43	23.41	54.00	30.59
	4 959.55	57.83	V	X	Peak	0.00	5.34	63.17	74.00	10.83
	4 959.55	57.83	V	X	Average	-24.78	5.34	38.39	54.00	15.61

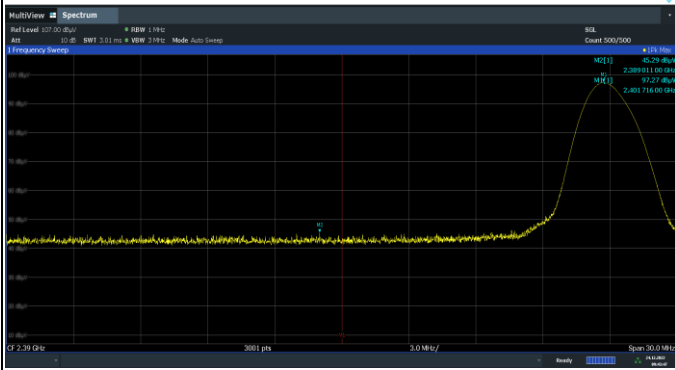


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3DH5 / 8DPSK

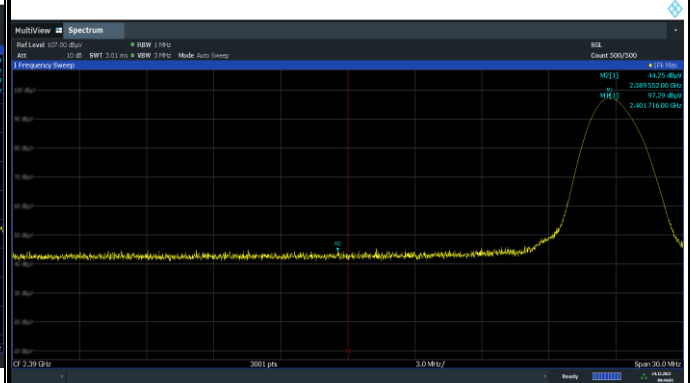
12 V

Bandedge_2 402 MHz

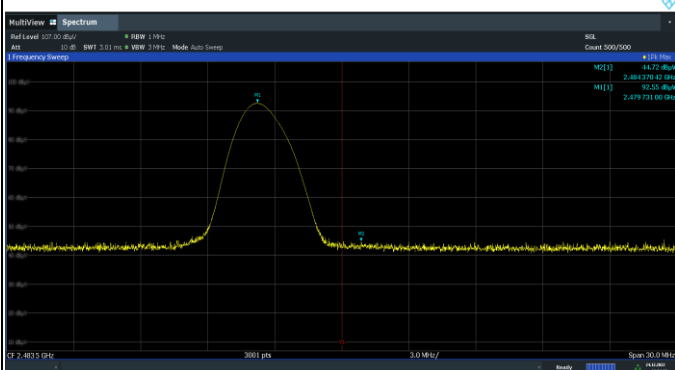


24 V

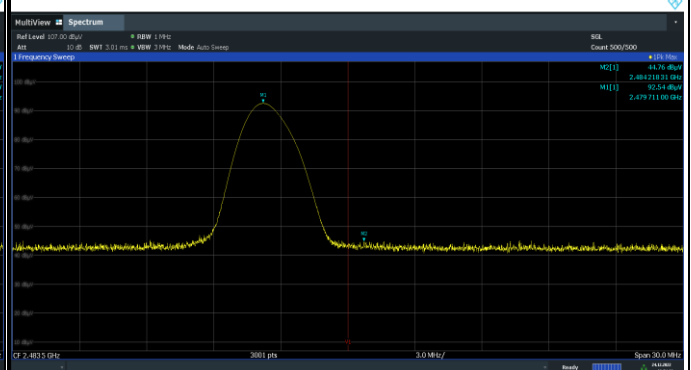
Bandedge_2 402 MHz



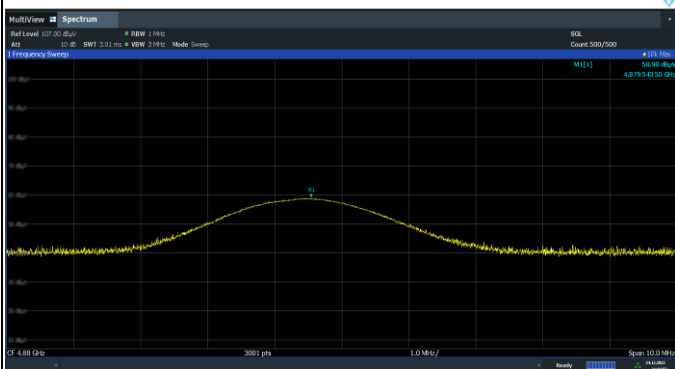
Bandedge_2 480 MHz



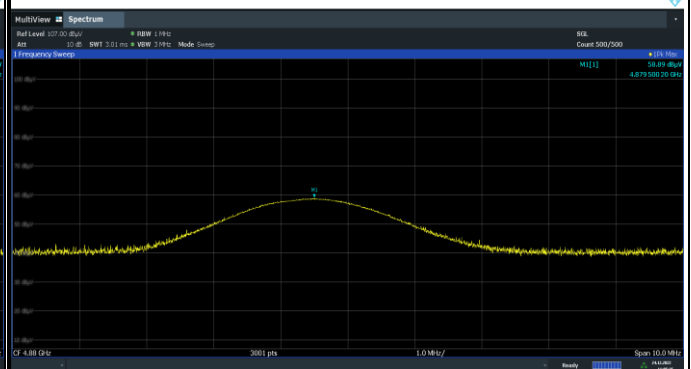
Bandedge_2 480 MHz



Spurious _ Worst case

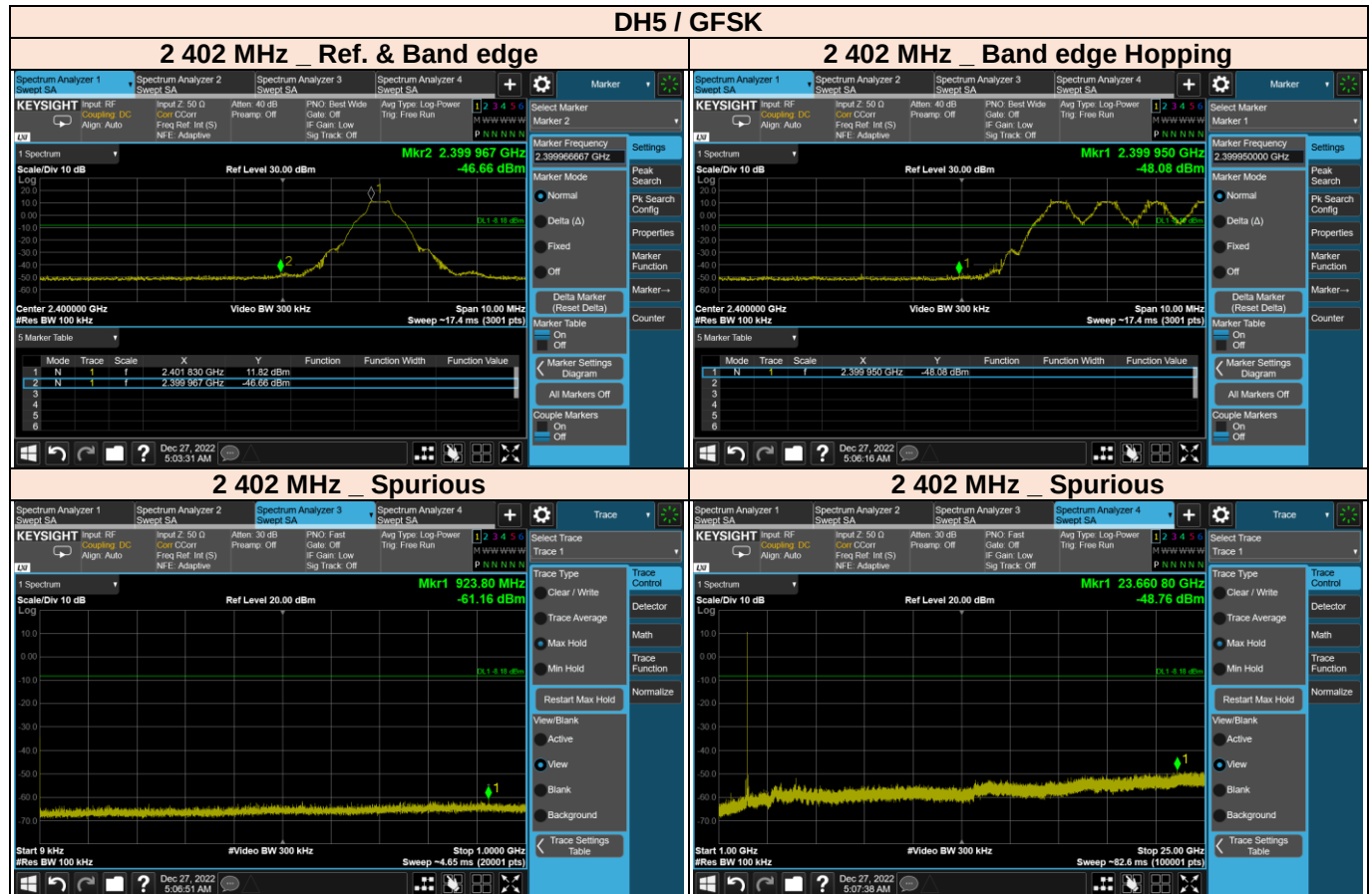


Spurious _ Worst case



3.7.5 Test Result of Conducted Spurious Emission

[DC 12 V Spurious Emission]

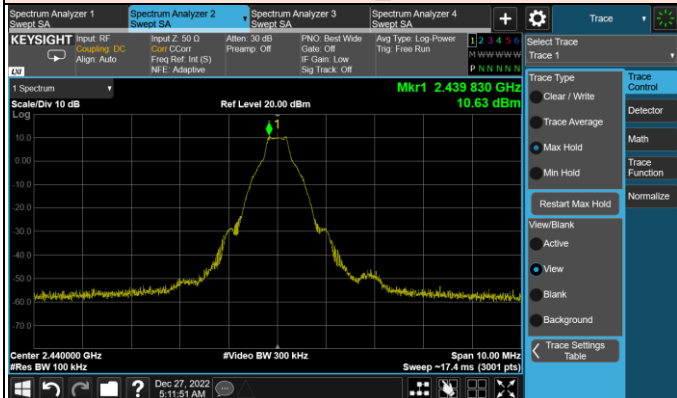




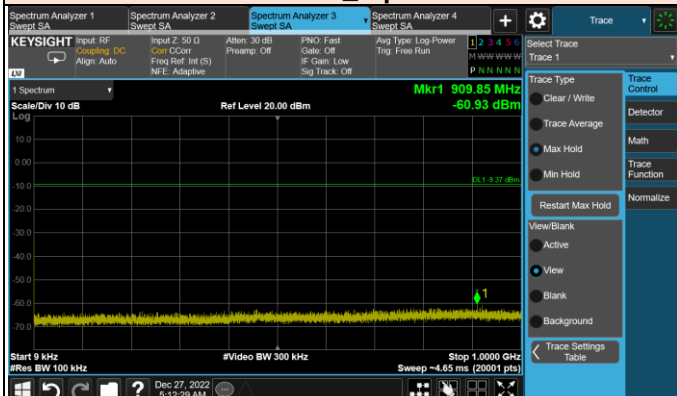
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DH5 / GFSK

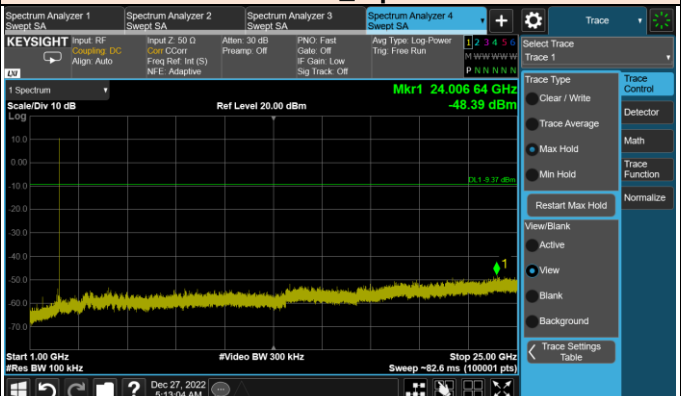
2 440 MHz _ Ref.



2 440 MHz _ Spurious



2 440 MHz _ Spurious



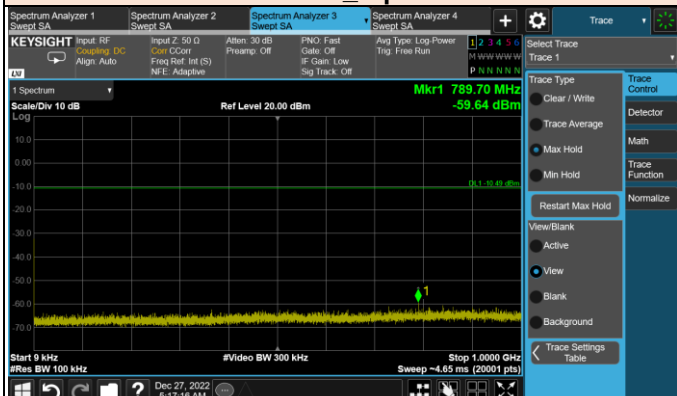
2 480 MHz _ Ref. & Band edge



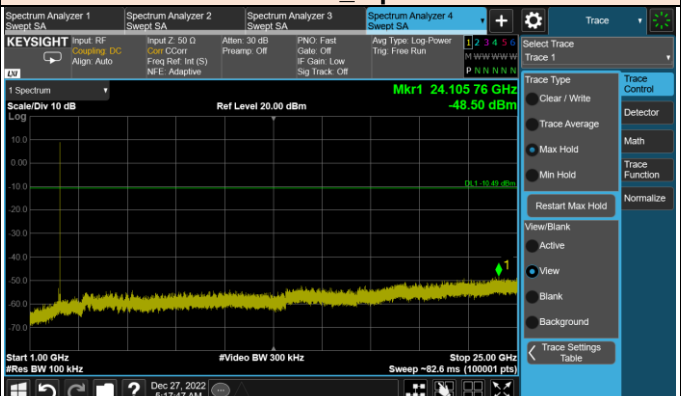
2 480 MHz _ Band edge Hopping



2 480 MHz _ Spurious



2 480 MHz _ Spurious

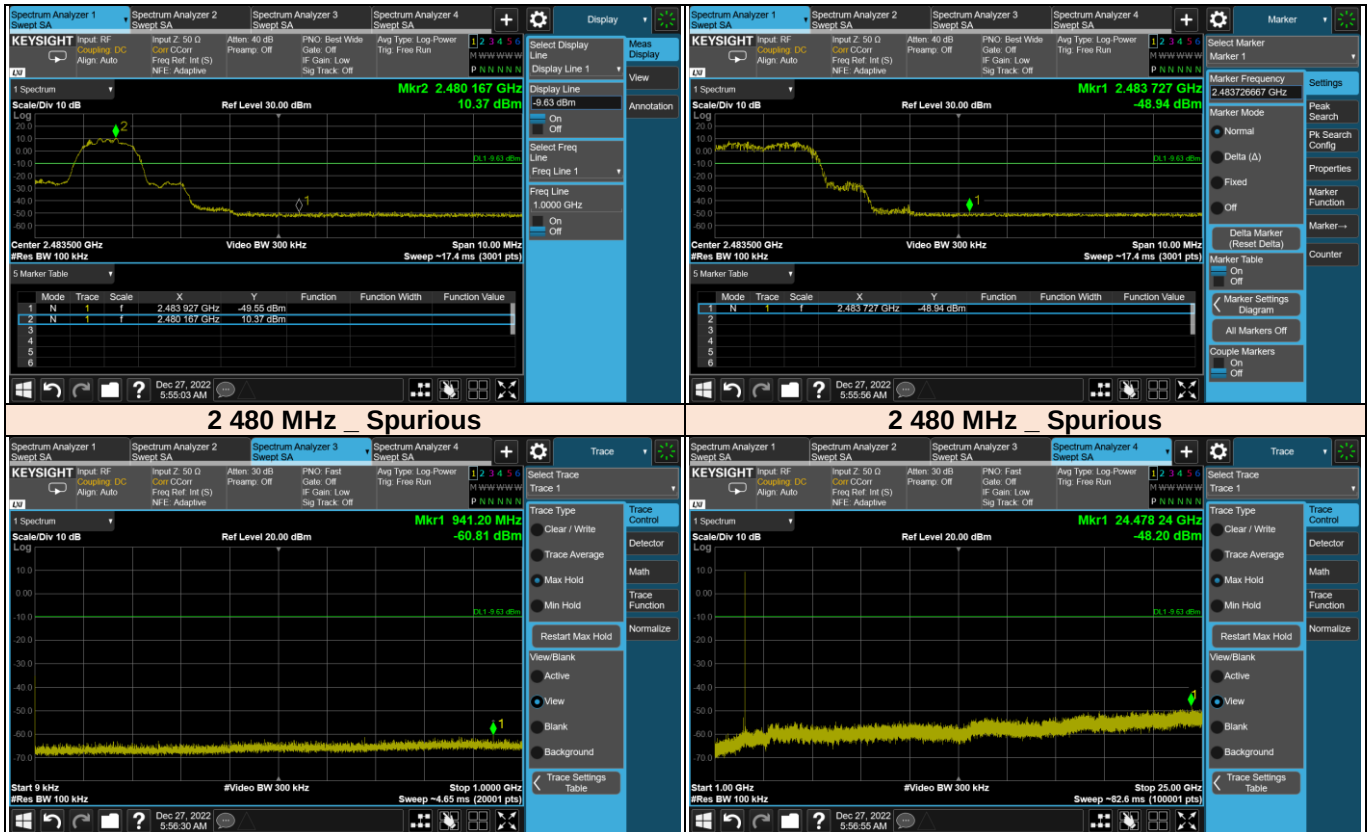


2DH5 / π /4DQPSK





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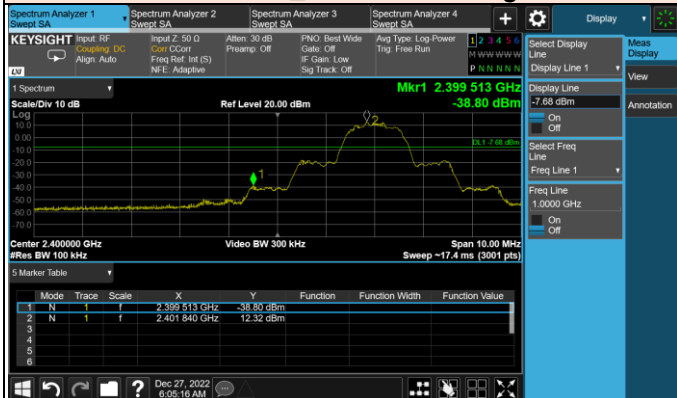




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VERITAS

3DH5 / 8DPSK

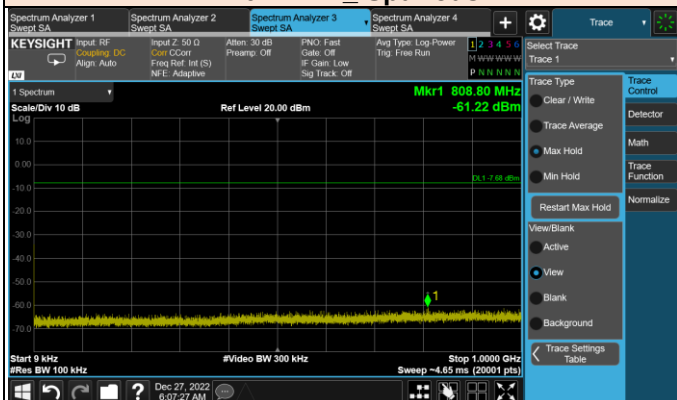
2 402 MHz _ Ref. & Band edge



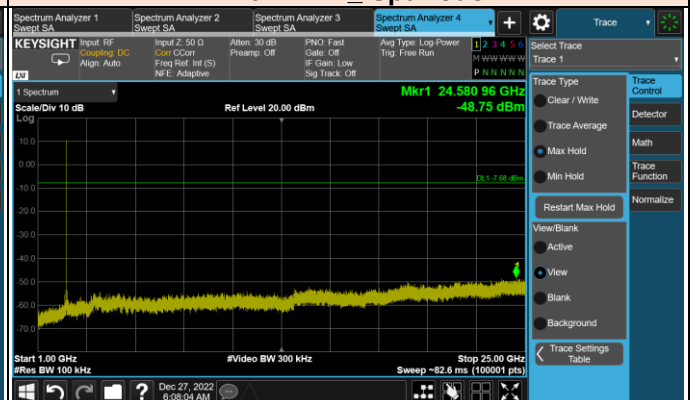
2 402 MHz _ Band edge Hopping



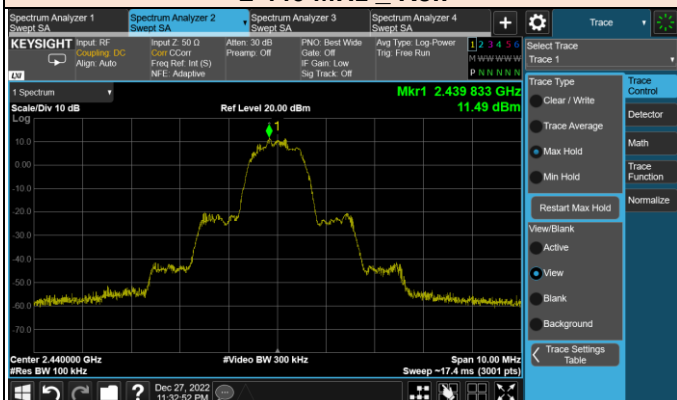
2 402 MHz _ Spurious



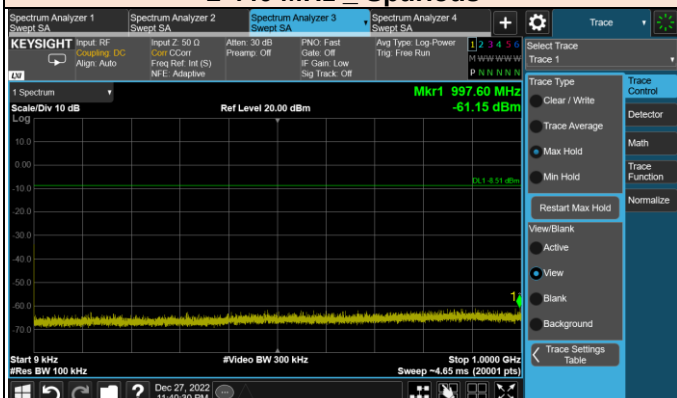
2 402 MHz _ Spurious



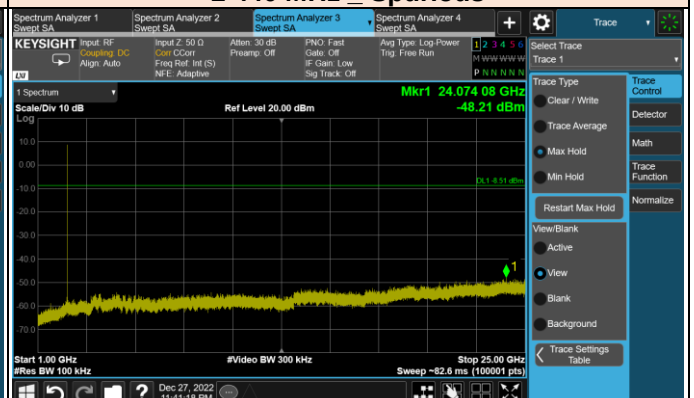
2 440 MHz _ Ref.



2 440 MHz _ Spurious



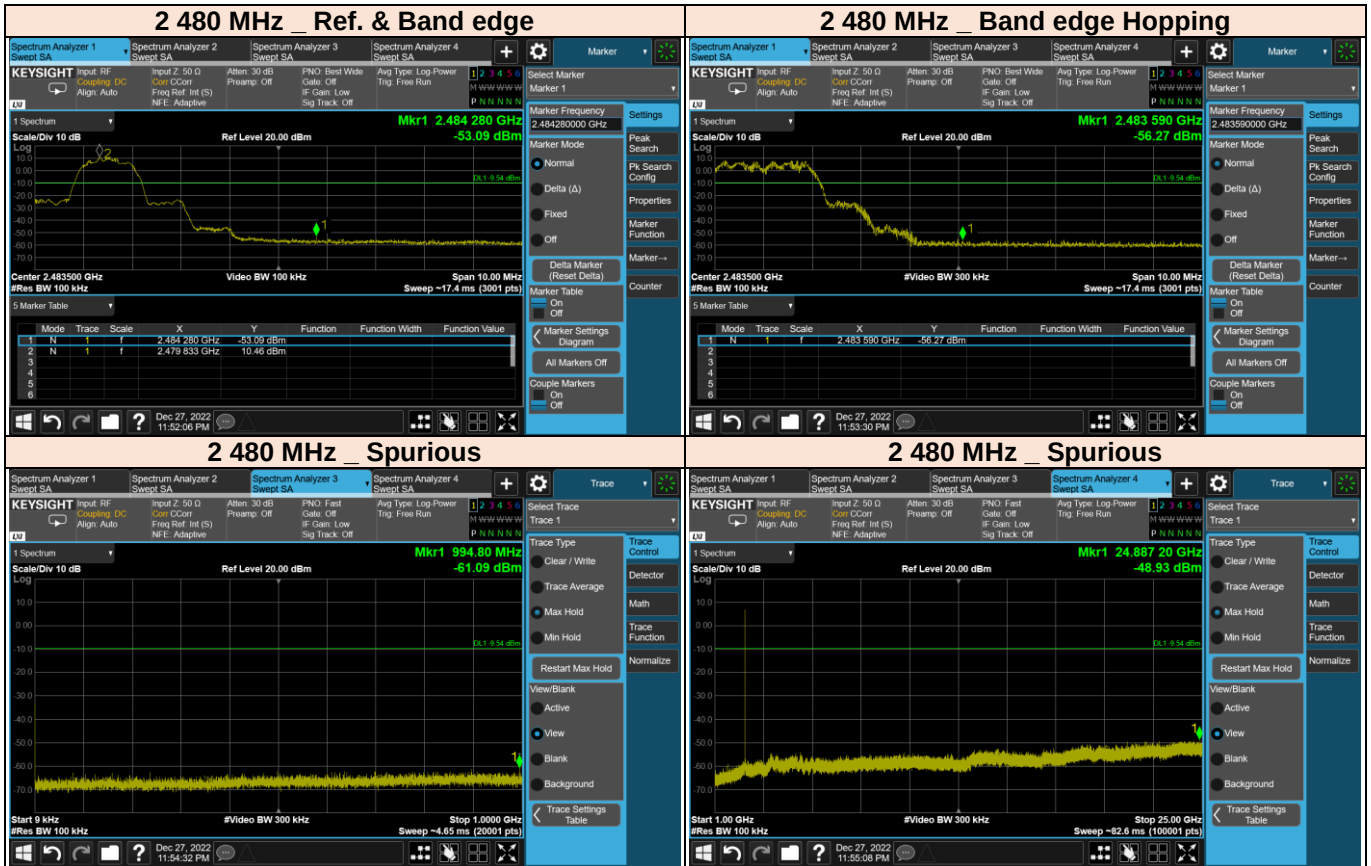
2 440 MHz _ Spurious



3DH5 / 8DPSK

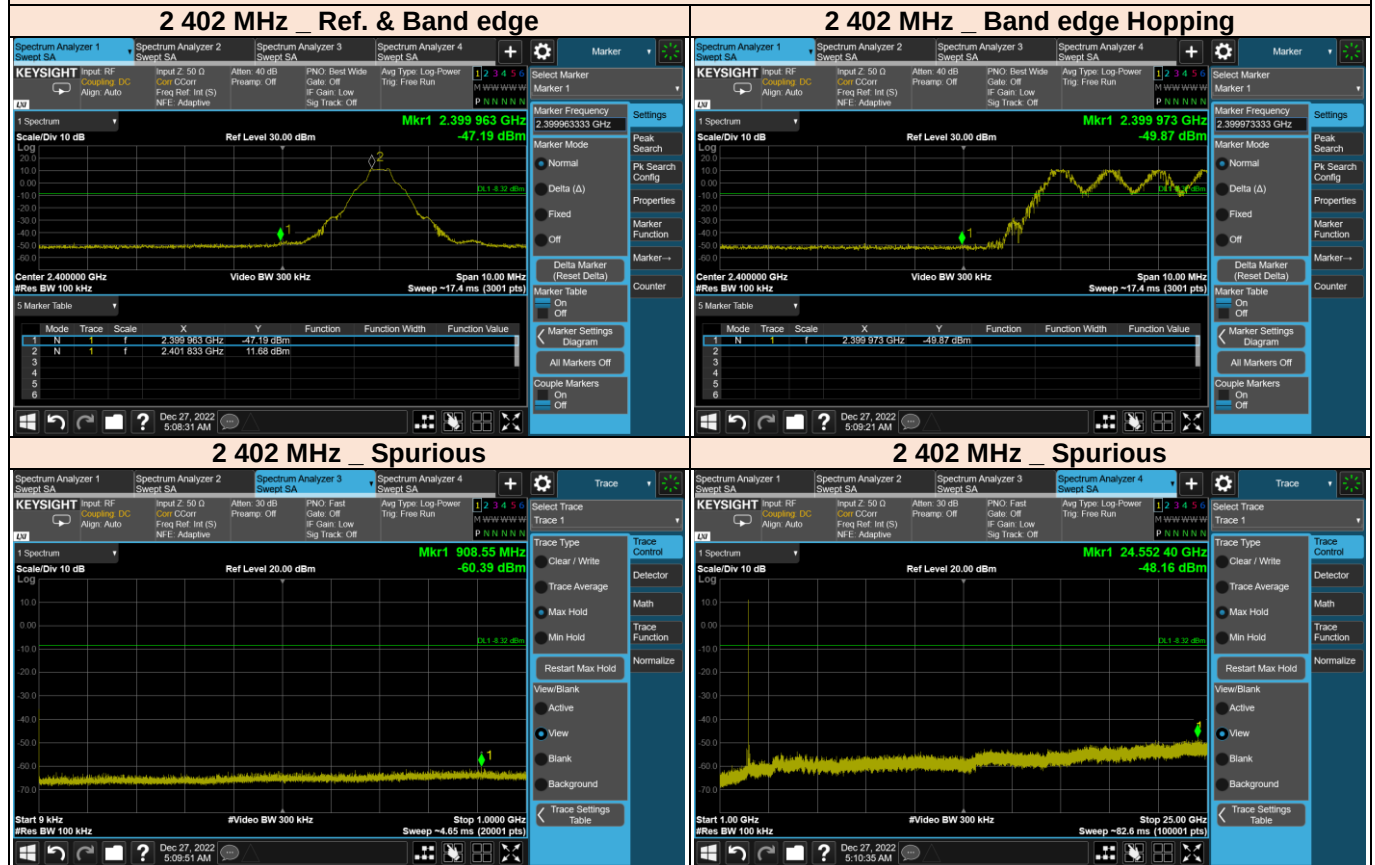


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[DC 24 V Spurious Emission]

DH5 / GFSK

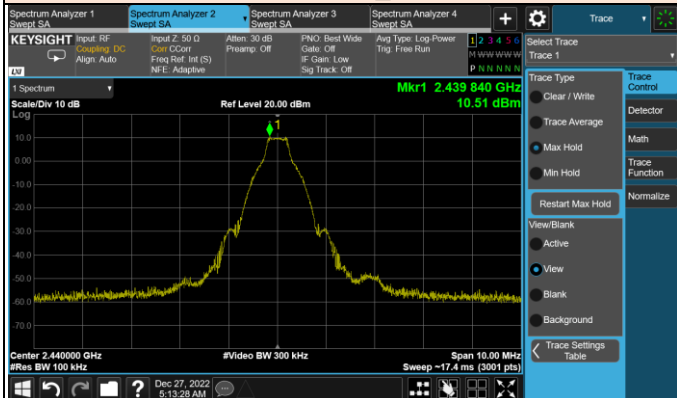




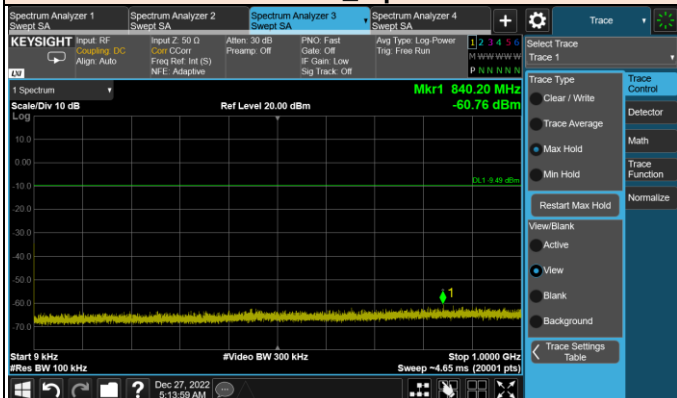
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VERITAS

DH5 / GFSK

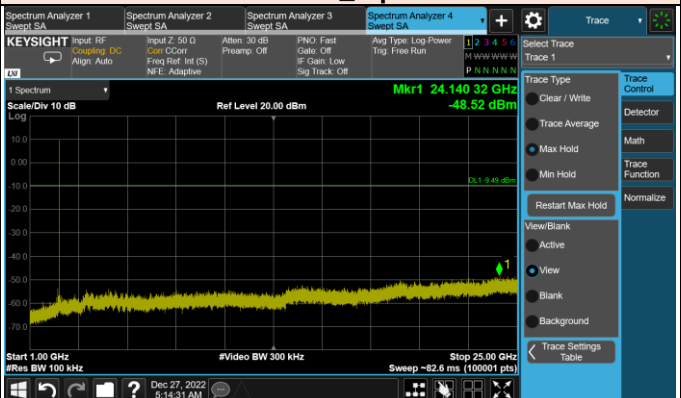
2 440 MHz _ Ref.



2 440 MHz _ Spurious



2 440 MHz _ Spurious



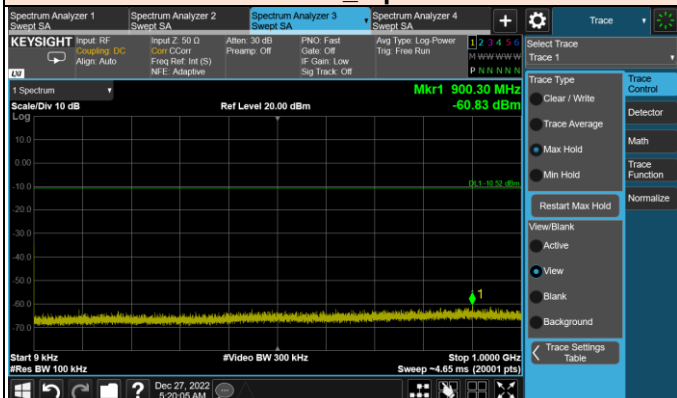
2 480 MHz _ Ref. & Band edge



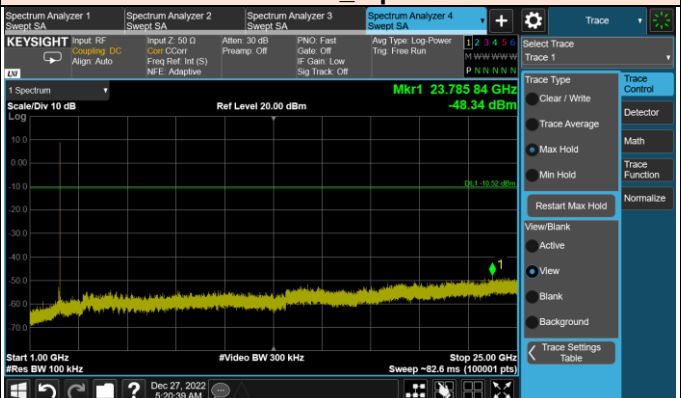
2 480 MHz _ Band edge Hopping



2 480 MHz _ Spurious



2 480 MHz _ Spurious



2DH5 / π /4DQPSK