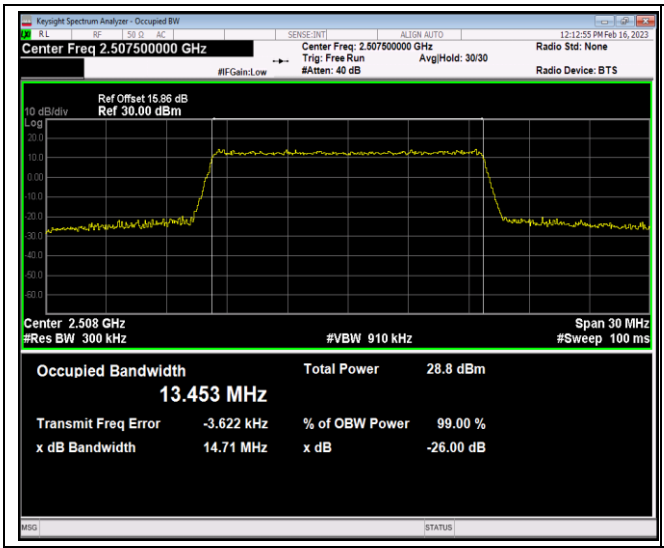

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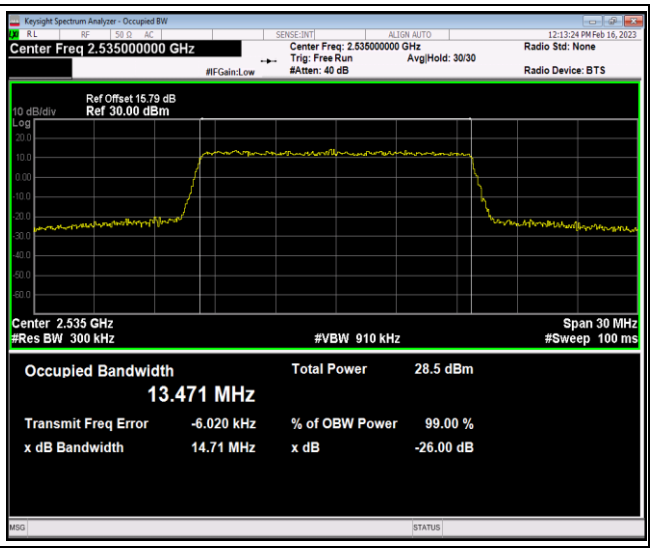

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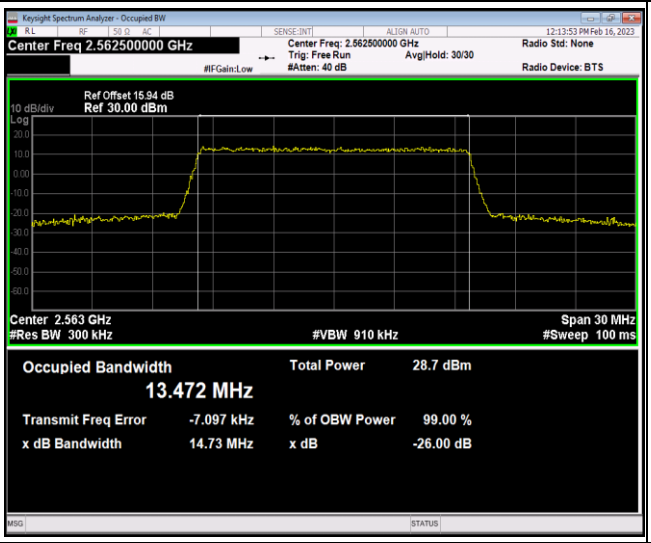

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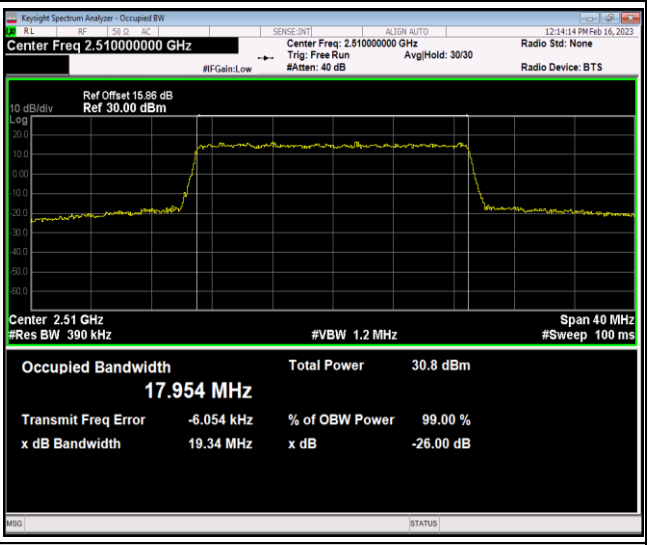

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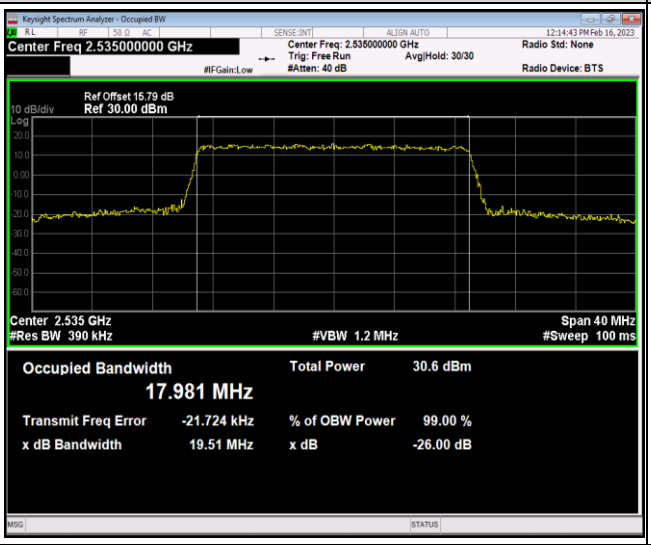

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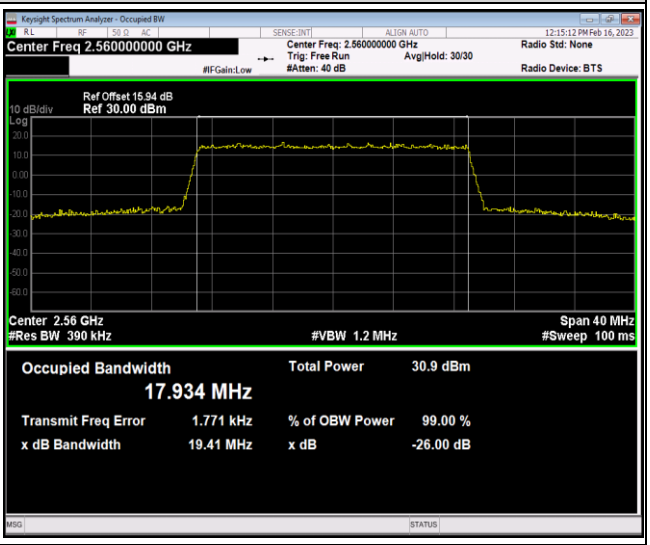

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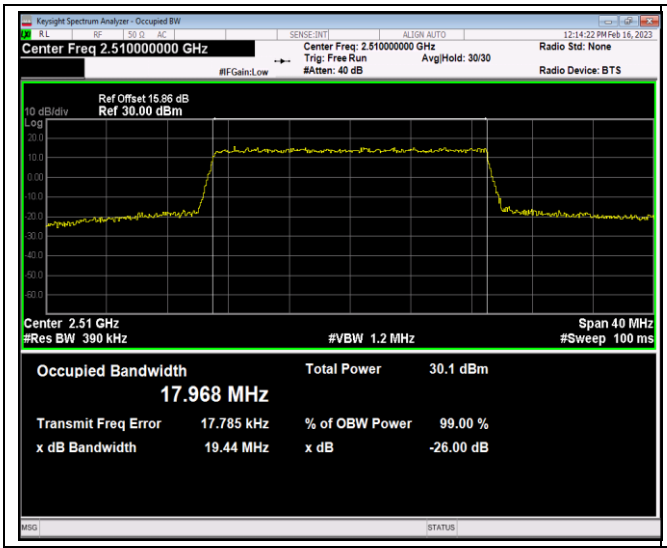

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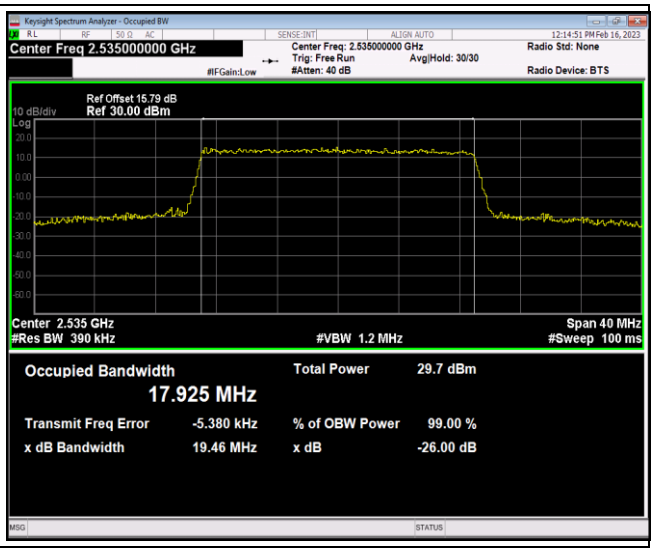

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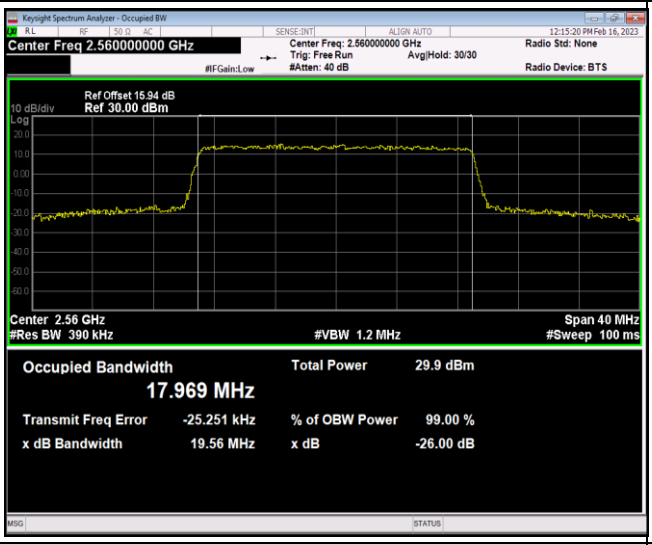

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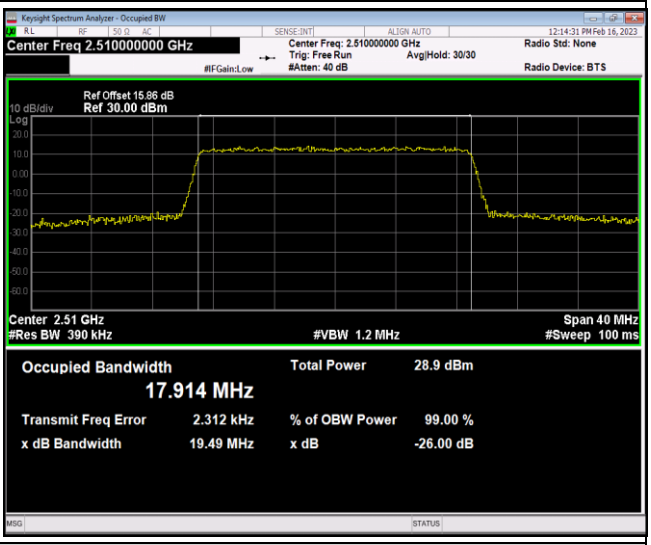

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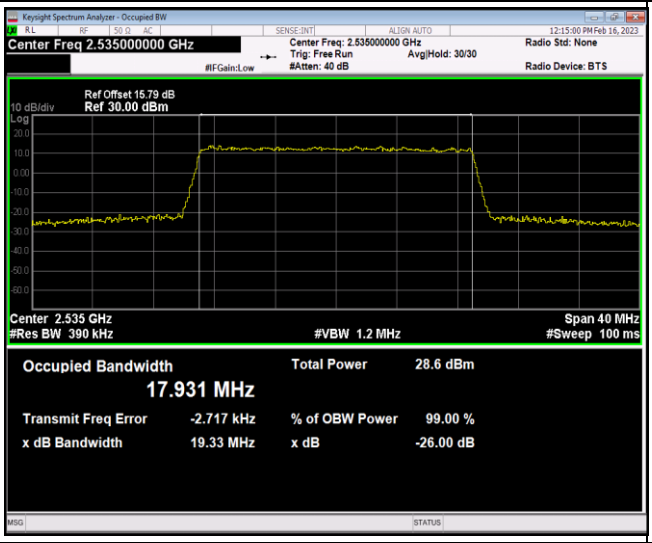

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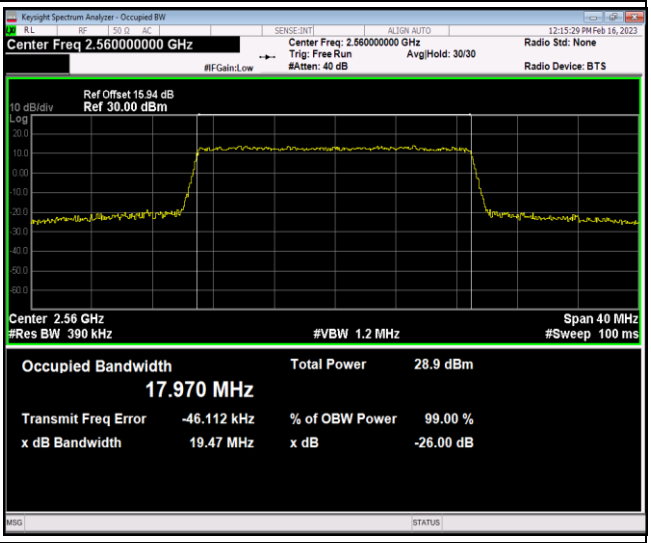

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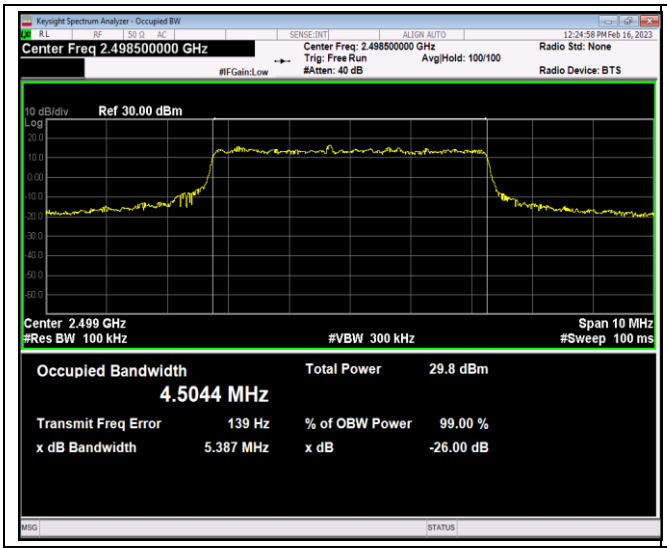

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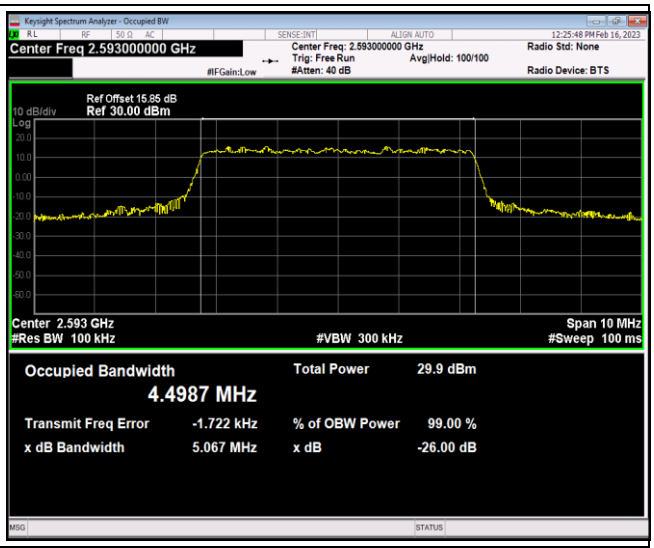

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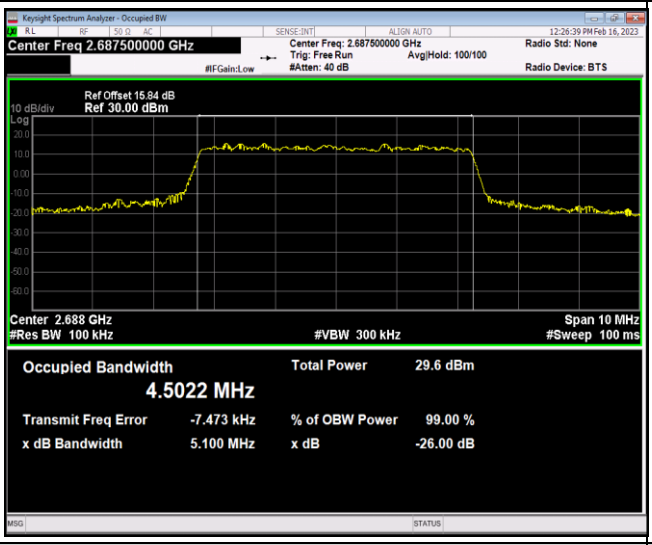

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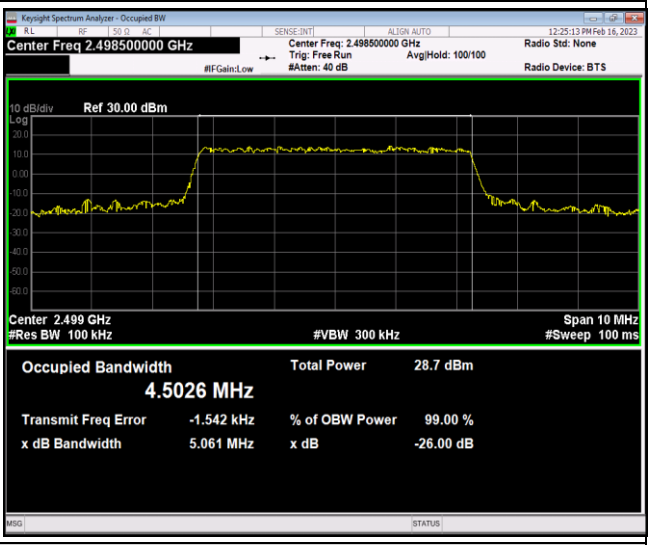

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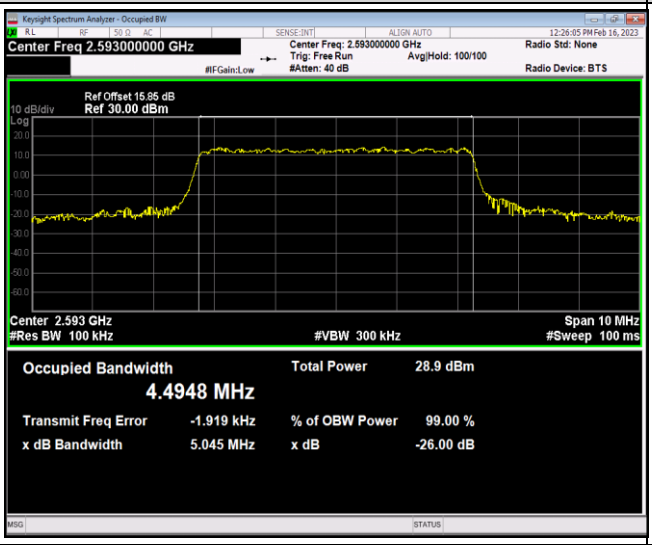

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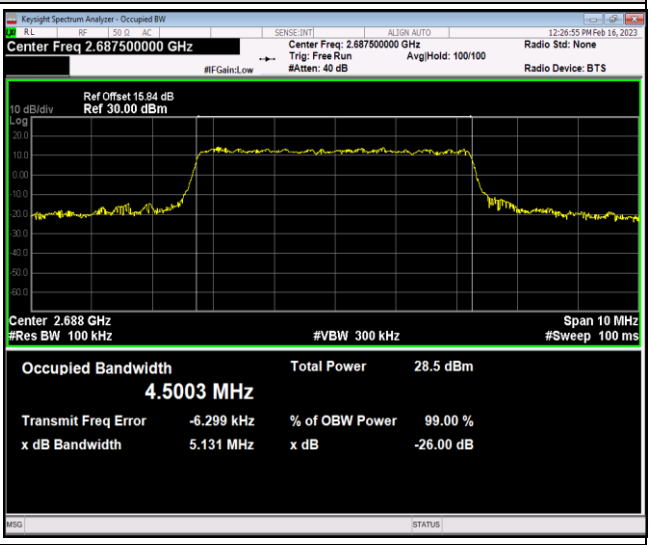

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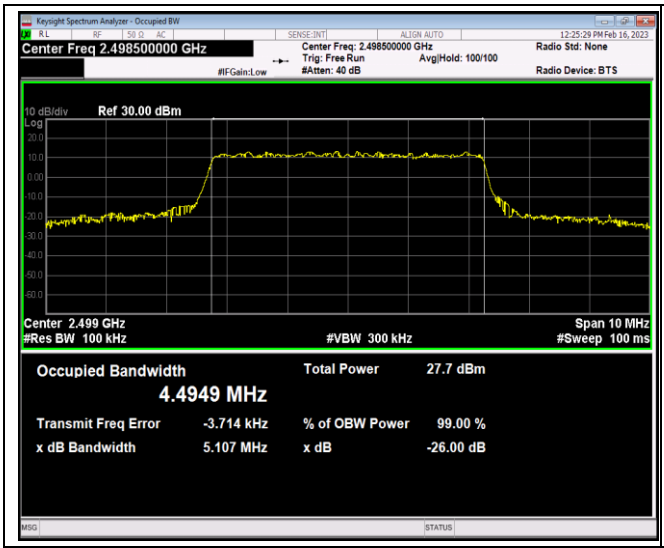

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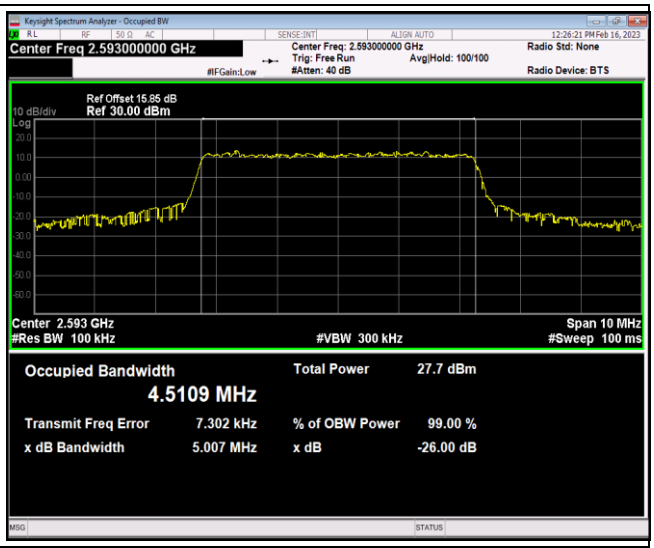

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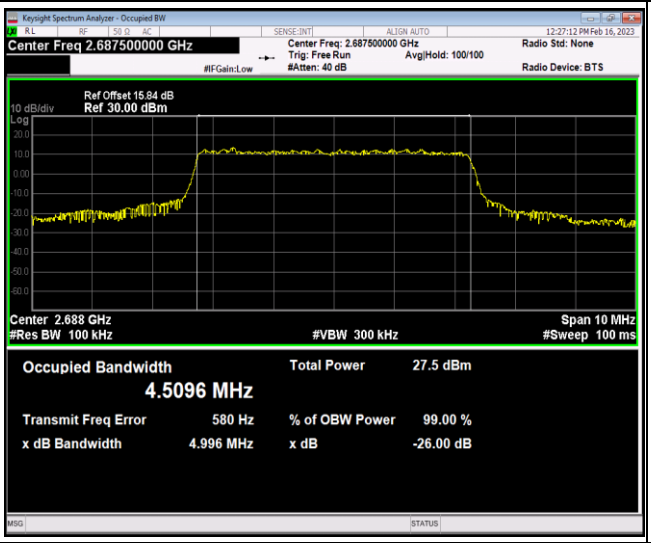

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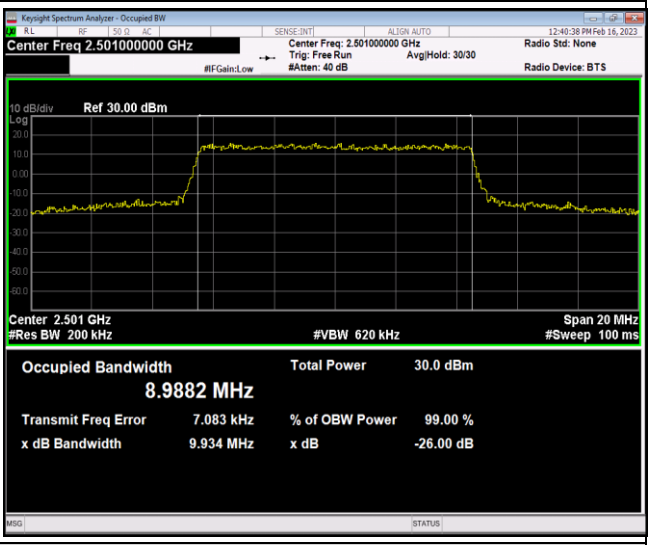

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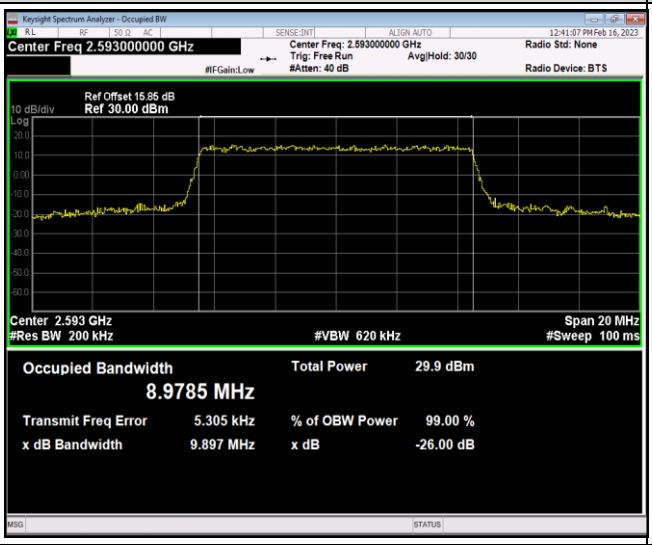

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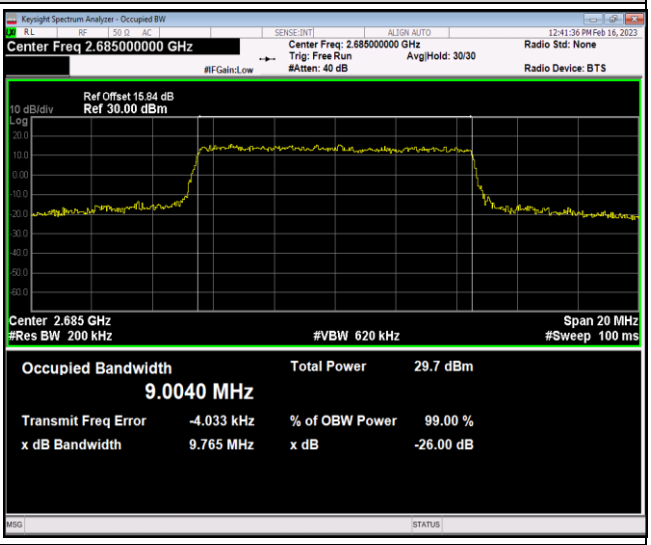

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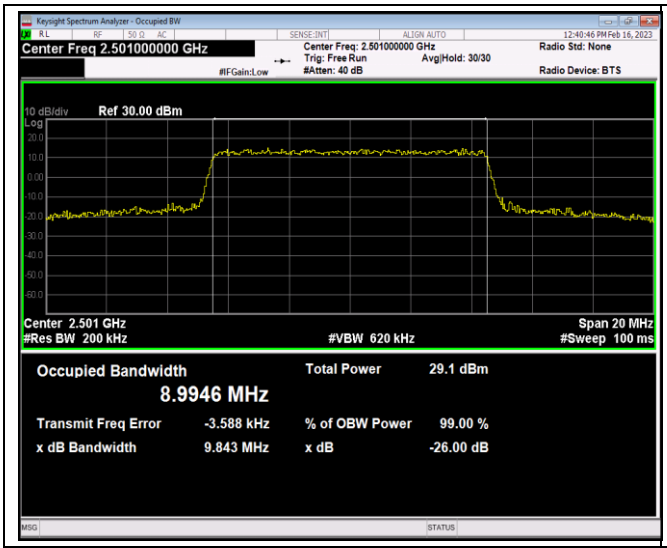

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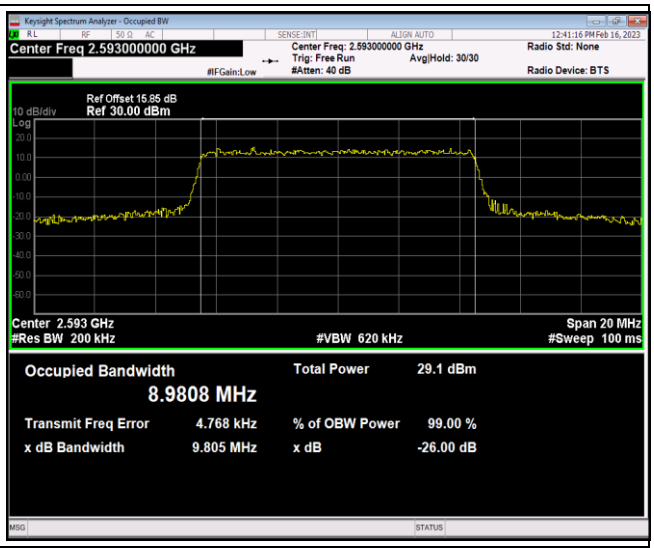

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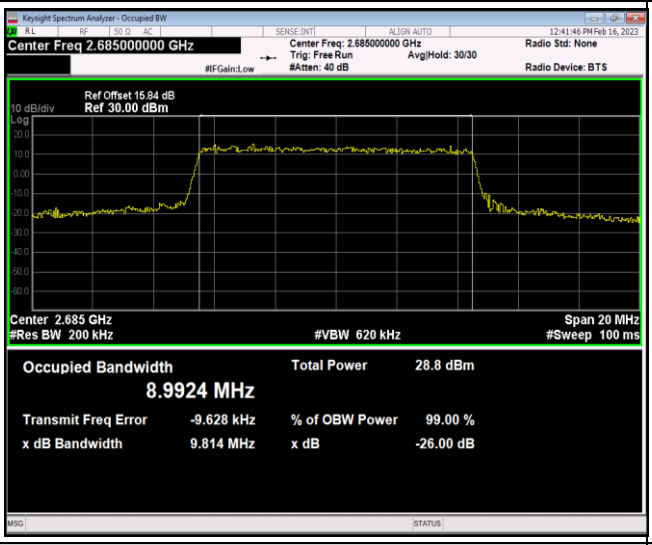

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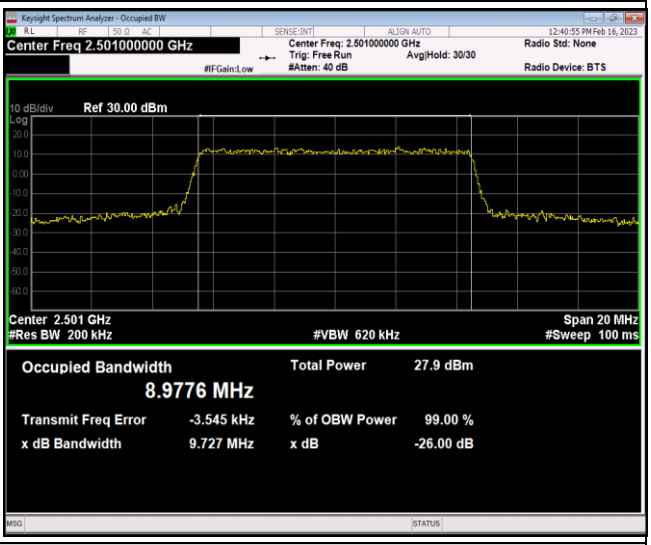

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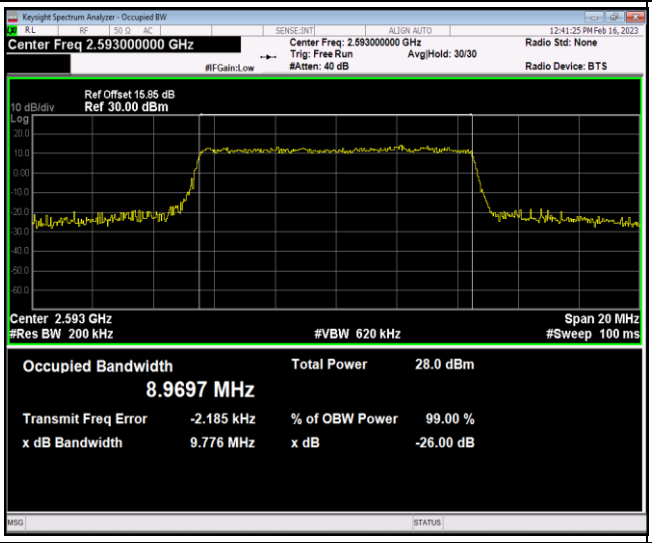

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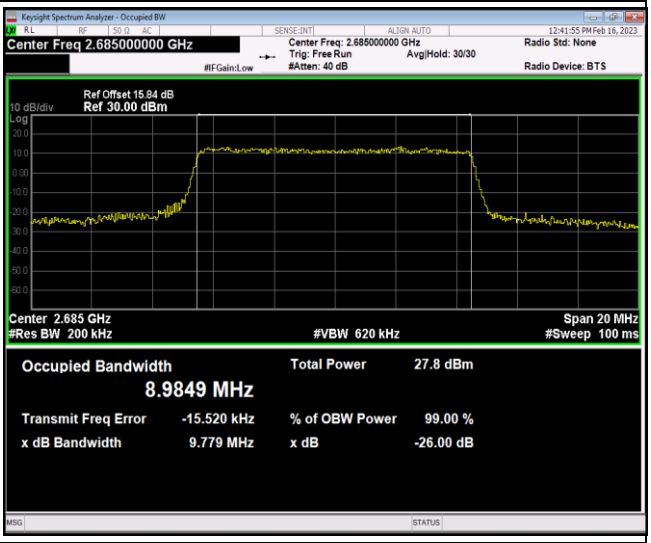

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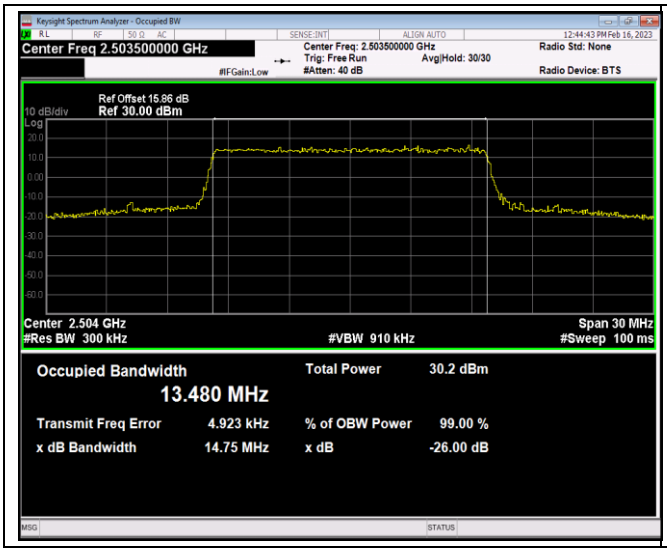

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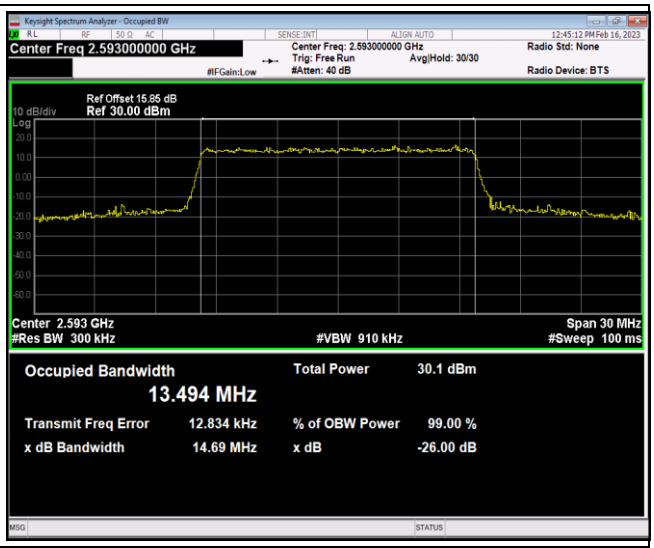

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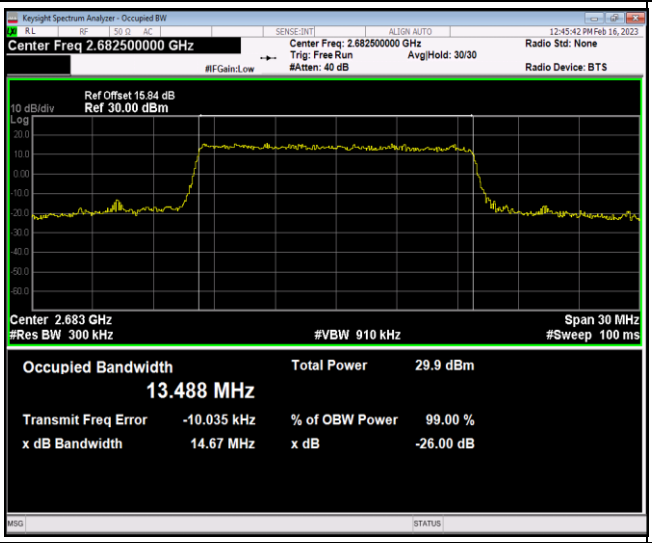

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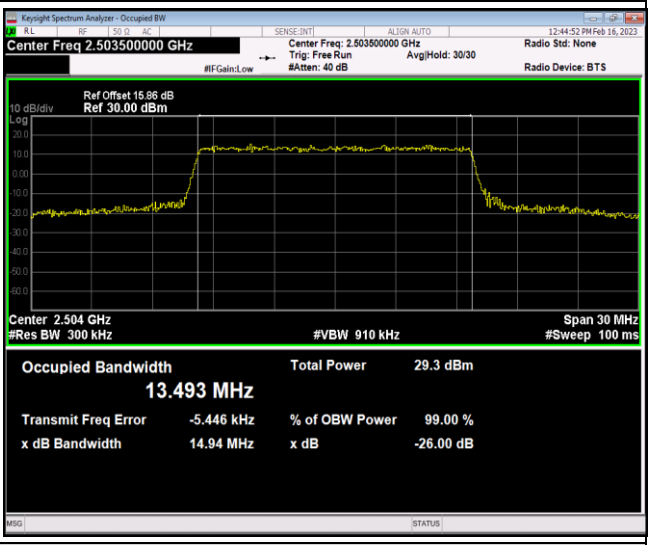

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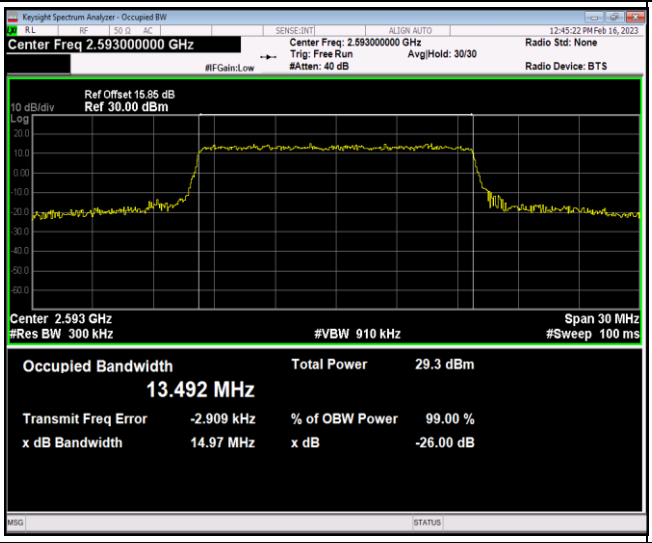

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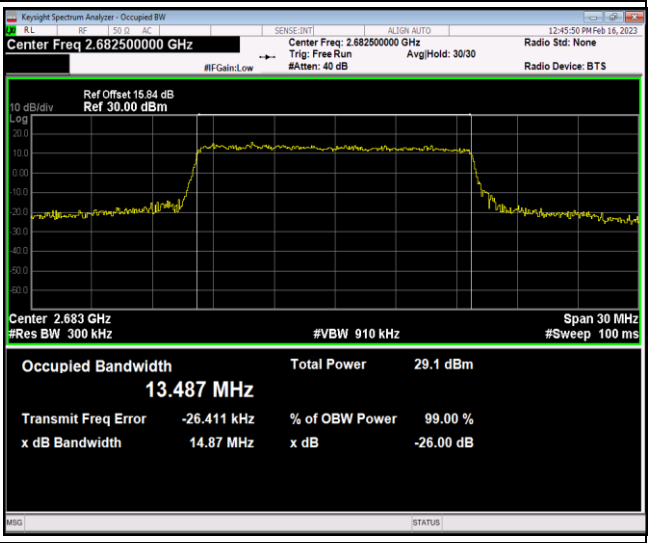

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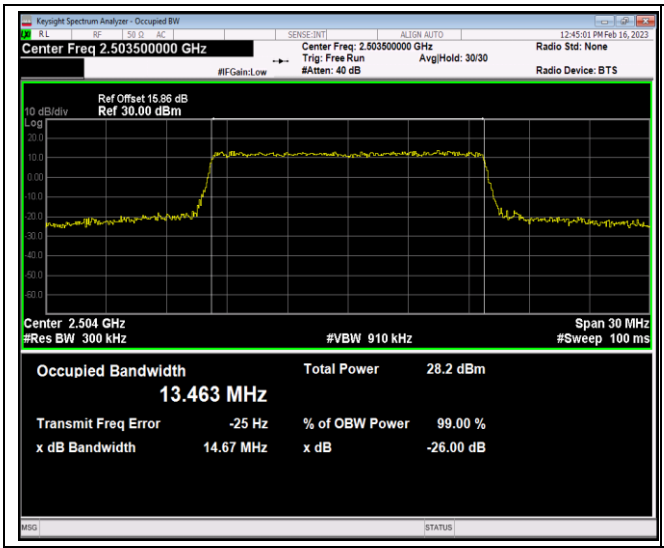

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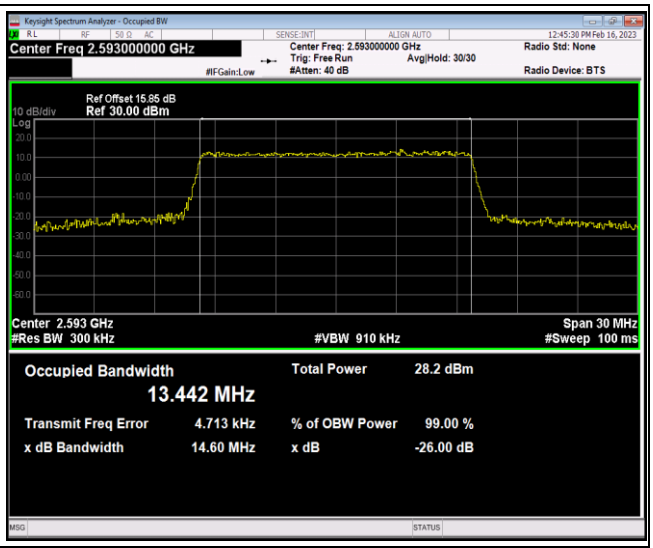
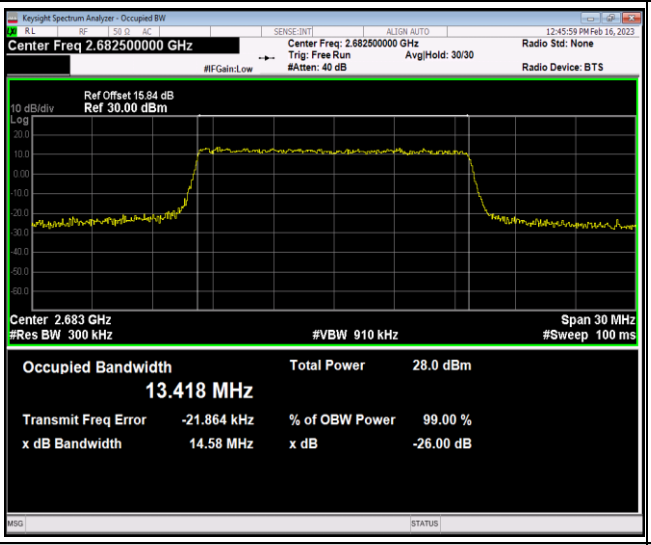


Band41-20MHz-QPSK-39750-100RB#0



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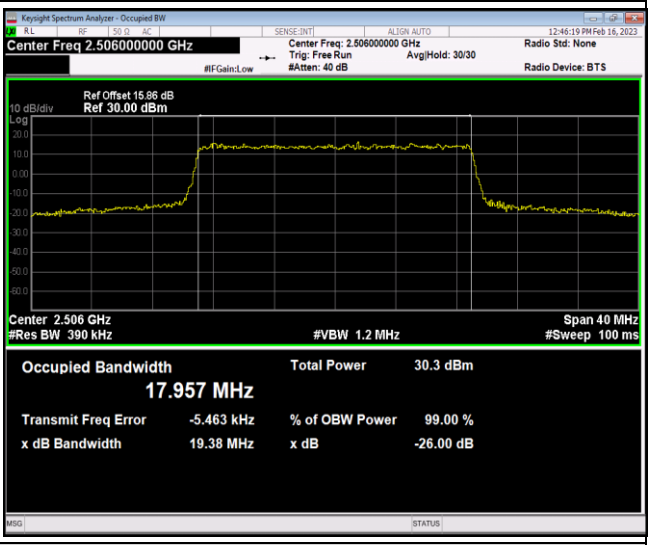

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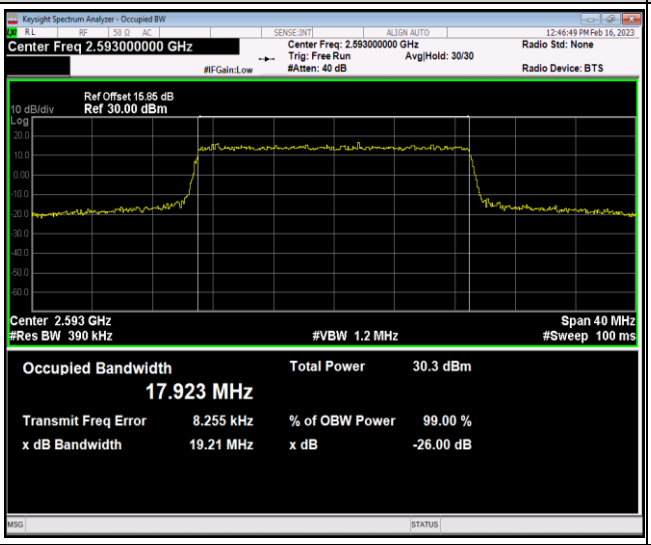

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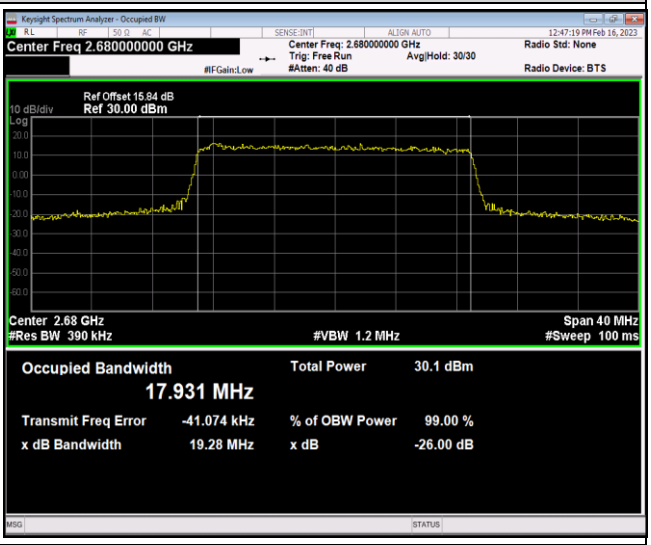

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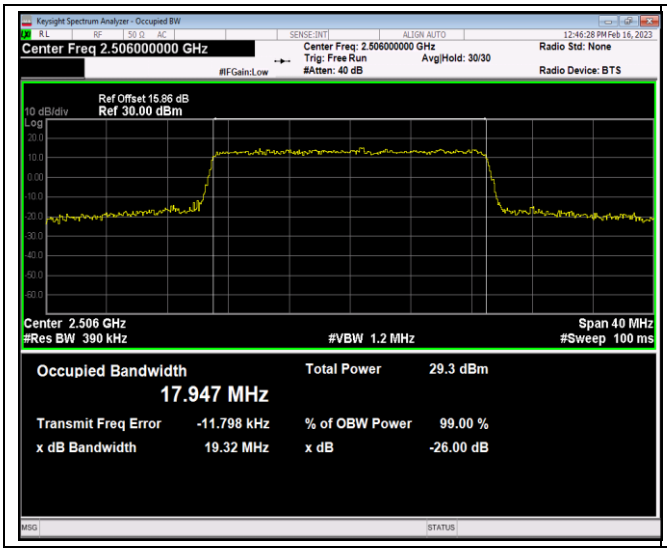

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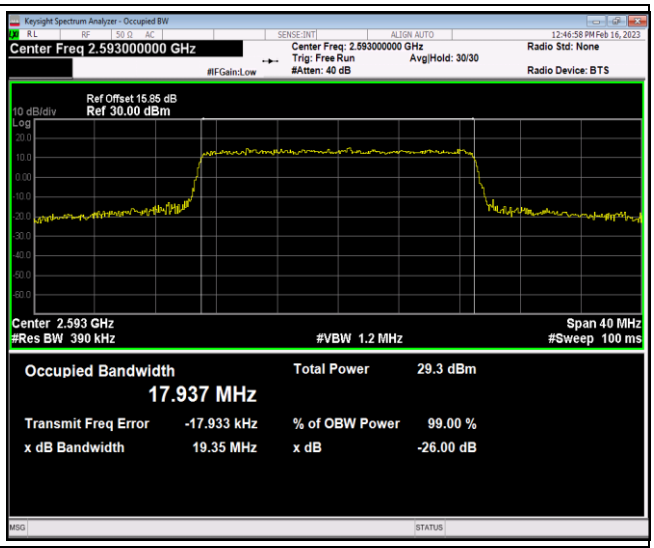

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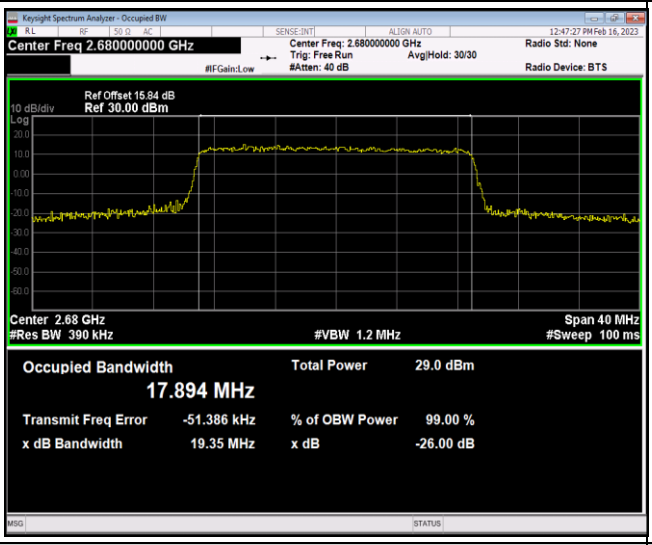

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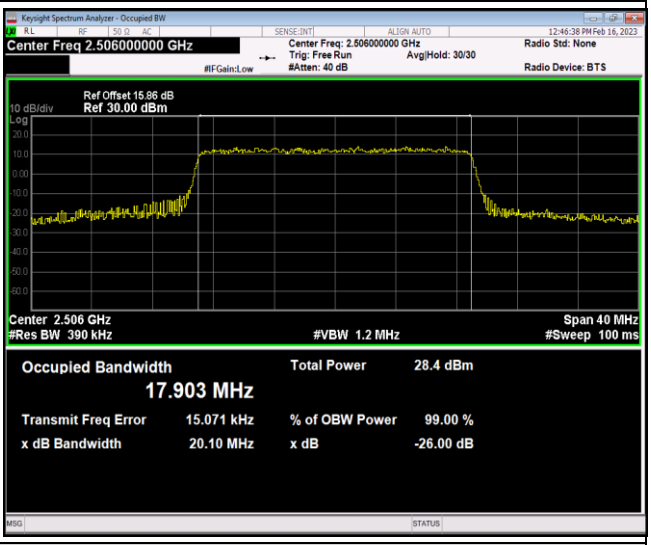

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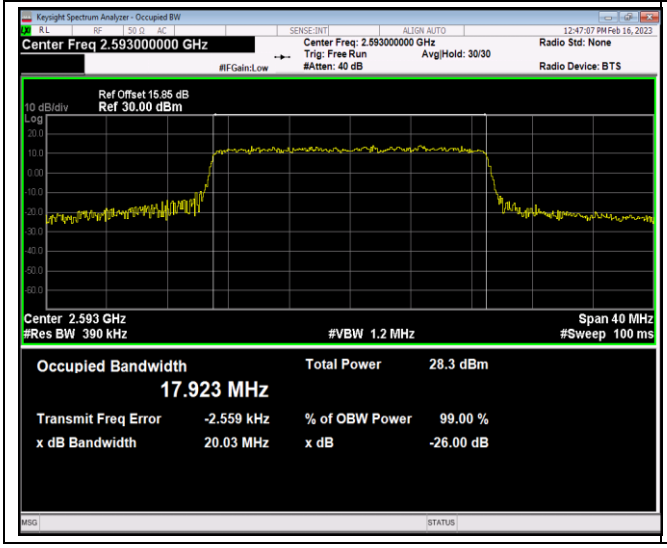
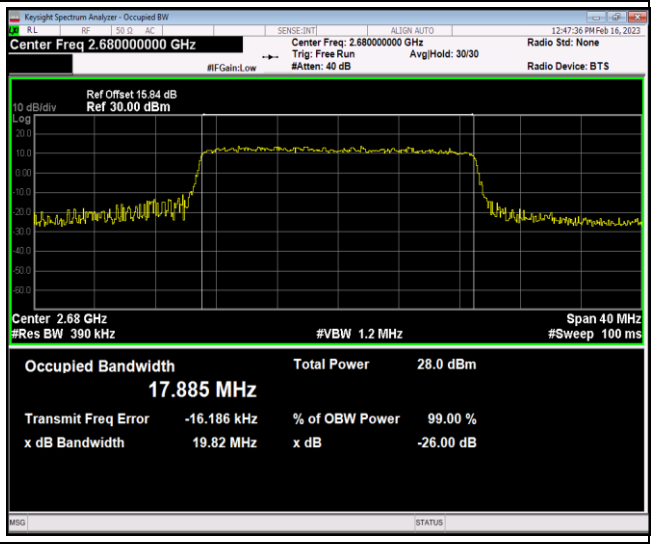




Appendix D: Band Edge

Test Result (worst case)

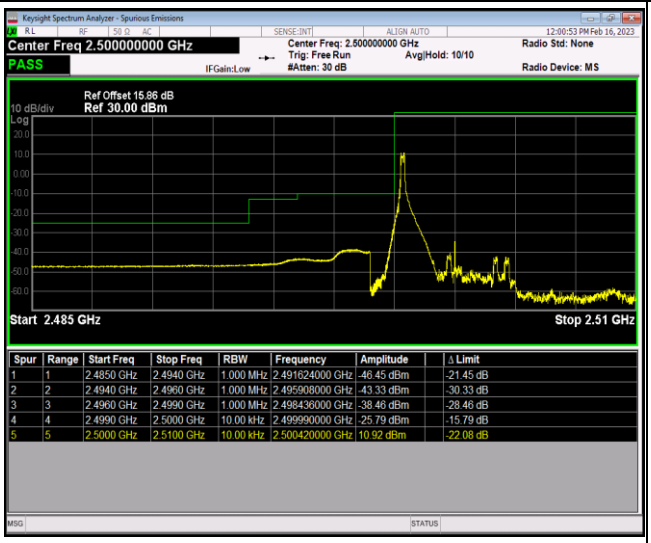
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-46.45,-43.33,-38.46,-25.79	PASS
Band7	5MHz	QPSK	20775	1RB#24	-46.53,-42.19,-42.13,-55.30	PASS
Band7	5MHz	QPSK	20775	25RB#0	-40.54,-30.97,-26.35,-29.32	PASS
Band7	5MHz	QPSK	21425	1RB#0	-54.19,-43.23,-45.64,-46.38	PASS
Band7	5MHz	QPSK	21425	1RB#24	-27.39,-39.40,-45.74,-45.93	PASS
Band7	5MHz	QPSK	21425	25RB#0	-26.96,-22.37,-37.37,-40.06	PASS
Band7	5MHz	16QAM	20775	1RB#0	-46.56,-44.12,-39.49,-25.76	PASS
Band7	5MHz	16QAM	20775	1RB#24	-46.68,-42.03,-42.09,-55.44	PASS
Band7	5MHz	16QAM	20775	25RB#0	-41.22,-34.16,-28.93,-32.32	PASS
Band7	5MHz	16QAM	21425	1RB#0	-55.74,-43.40,-45.82,-46.47	PASS
Band7	5MHz	16QAM	21425	1RB#24	-27.72,-40.16,-45.84,-46.29	PASS
Band7	5MHz	16QAM	21425	25RB#0	-29.67,-25.81,-37.59,-40.72	PASS
Band7	5MHz	64QAM	20775	1RB#0	-46.45,-44.86,-40.37,-27.53	PASS
Band7	5MHz	64QAM	20775	1RB#24	-46.74,-42.92,-42.94,-55.38	PASS
Band7	5MHz	64QAM	20775	25RB#0	-42.96,-36.89,-30.86,-35.14	PASS
Band7	5MHz	64QAM	21425	1RB#0	-55.88,-43.77,-45.84,-46.41	PASS
Band7	5MHz	64QAM	21425	1RB#24	-27.42,-41.04,-45.93,-46.27	PASS
Band7	5MHz	64QAM	21425	25RB#0	-34.31,-29.49,-39.84,-42.50	PASS
Band7	20MHz	QPSK	20850	1RB#0	-40.21,-42.73,-37.67	PASS
Band7	20MHz	QPSK	20850	1RB#99	-45.82,-45.62,-59.90	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.96,-31.43,-29.96,-33.35	PASS
Band7	20MHz	QPSK	21350	1RB#0	-58.87,-45.81,-45.72,-46.69	PASS
Band7	20MHz	QPSK	21350	1RB#99	-39.59,-42.77,-40.41,-46.70	PASS
Band7	20MHz	QPSK	21350	100RB#0	-30.58,-26.79,-29.11,-45.22	PASS
Band7	20MHz	16QAM	20850	1RB#0	-41.01,-43.23,-39.07	PASS
Band7	20MHz	16QAM	20850	1RB#99	-45.78,-45.83,-58.85	PASS
Band7	20MHz	16QAM	20850	100RB#0	-37.81,-34.22,-33.49,-36.31	PASS
Band7	20MHz	16QAM	21350	1RB#0	-59.08,-45.81,-45.90,-46.72	PASS
Band7	20MHz	16QAM	21350	1RB#99	-38.07,-43.12,-41.20,-46.72	PASS
Band7	20MHz	16QAM	21350	100RB#0	-33.96,-30.19,-32.06,-45.24	PASS
Band7	20MHz	64QAM	20850	1RB#0	-41.48,-43.65,-41.46	PASS
Band7	20MHz	64QAM	20850	1RB#99	-46.00,-45.87,-59.31	PASS
Band7	20MHz	64QAM	20850	100RB#0	-40.06,-37.33,-36.10,-39.29	PASS
Band7	20MHz	64QAM	21350	1RB#0	-59.68,-45.88,-46.04,-46.63	PASS
Band7	20MHz	64QAM	21350	1RB#99	-41.10,-43.72,-41.67,-46.76	PASS
Band7	20MHz	64QAM	21350	100RB#0	-37.07,-33.37,-35.51,-45.57	PASS

Band41	5MHz	QPSK	39675	1RB#0	-46.75,-46.54,-41.37,-28.73	PASS
Band41	5MHz	QPSK	39675	1RB#24	-46.88,-46.37,-44.51,-57.49	PASS
Band41	5MHz	QPSK	39675	25RB#0	-39.70,-37.62,-23.41,-27.85	PASS
Band41	5MHz	QPSK	41565	1RB#0	-58.95,-44.72,-45.74,-46.10	PASS
Band41	5MHz	QPSK	41565	1RB#24	-26.43,-40.81,-45.74,-45.90	PASS
Band41	5MHz	QPSK	41565	25RB#0	-30.61,-26.22,-40.31,-42.72	PASS
Band41	5MHz	16QAM	39675	1RB#0	-46.81,-46.59,-42.37,-28.85	PASS
Band41	5MHz	16QAM	39675	1RB#24	-46.87,-46.32,-44.76,-59.42	PASS
Band41	5MHz	16QAM	39675	25RB#0	-40.54,-37.02,-27.42,-32.09	PASS
Band41	5MHz	16QAM	41565	1RB#0	-60.56,-44.69,-45.87,-46.09	PASS
Band41	5MHz	16QAM	41565	1RB#24	-29.44,-42.26,-45.83,-45.98	PASS
Band41	5MHz	16QAM	41565	25RB#0	-34.37,-31.19,-41.02,-43.21	PASS
Band41	5MHz	64QAM	39675	1RB#0	-46.89,-46.65,-43.44,-30.15	PASS
Band41	5MHz	64QAM	39675	1RB#24	-46.94,-46.48,-45.04,-59.45	PASS
Band41	5MHz	64QAM	39675	25RB#0	-42.86,-40.04,-31.01,-35.28	PASS
Band41	5MHz	64QAM	41565	1RB#0	-59.14,-44.72,-45.90,-46.13	PASS
Band41	5MHz	64QAM	41565	1RB#24	-32.04,-43.28,-45.85,-46.02	PASS
Band41	5MHz	64QAM	41565	25RB#0	-38.44,-34.49,-42.33,-44.30	PASS
Band41	20MHz	QPSK	39750	1RB#0	-47.22,-44.71,-44.96,-43.14	PASS
Band41	20MHz	QPSK	39750	1RB#99	-47.23,-46.70,-46.71,-61.81	PASS
Band41	20MHz	QPSK	39750	100RB#0	-45.50,-33.13,-31.60,-34.96	PASS
Band41	20MHz	QPSK	41490	1RB#0	-61.66,-45.92,-45.96,-46.52	PASS
Band41	20MHz	QPSK	41490	1RB#99	-42.06,-44.64,-42.90,-46.50	PASS
Band41	20MHz	QPSK	41490	100RB#0	-37.74,-34.62,-36.75,-44.65	PASS
Band41	20MHz	16QAM	39750	1RB#0	-47.24,-44.53,-45.20,-43.41	PASS
Band41	20MHz	16QAM	39750	1RB#99	-47.24,-46.72,-46.67,-61.91	PASS
Band41	20MHz	16QAM	39750	100RB#0	-45.41,-36.37,-34.84,-37.58	PASS
Band41	20MHz	16QAM	41490	1RB#0	-62.17,-45.97,-46.01,-46.52	PASS
Band41	20MHz	16QAM	41490	1RB#99	-45.30,-44.86,-43.41,-46.52	PASS
Band41	20MHz	16QAM	41490	100RB#0	-41.34,-37.21,-38.93,-45.15	PASS
Band41	20MHz	64QAM	39750	1RB#0	-47.25,-44.72,-45.48,-44.34	PASS
Band41	20MHz	64QAM	39750	1RB#99	-47.26,-46.76,-46.78,-62.73	PASS
Band41	20MHz	64QAM	39750	100RB#0	-46.32,-38.77,-37.42,-40.70	PASS
Band41	20MHz	64QAM	41490	1RB#0	-62.05,-46.02,-46.07,-46.53	PASS
Band41	20MHz	64QAM	41490	1RB#99	-45.11,-45.12,-43.52,-46.52	PASS
Band41	20MHz	64QAM	41490	100RB#0	-43.63,-39.03,-41.21,-45.86	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

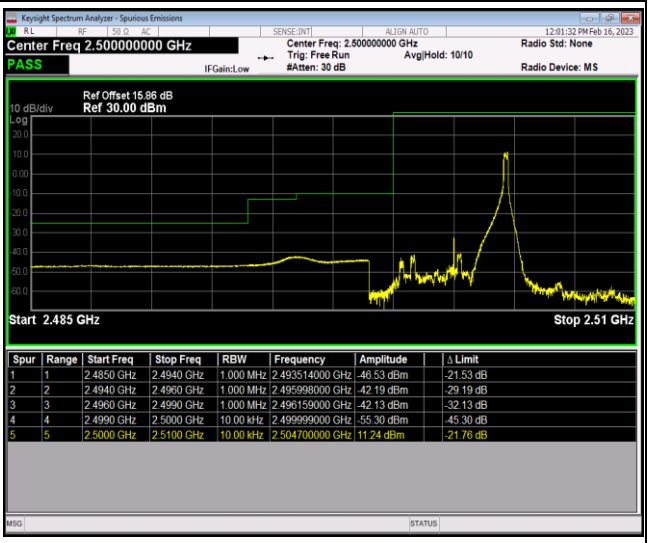
Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



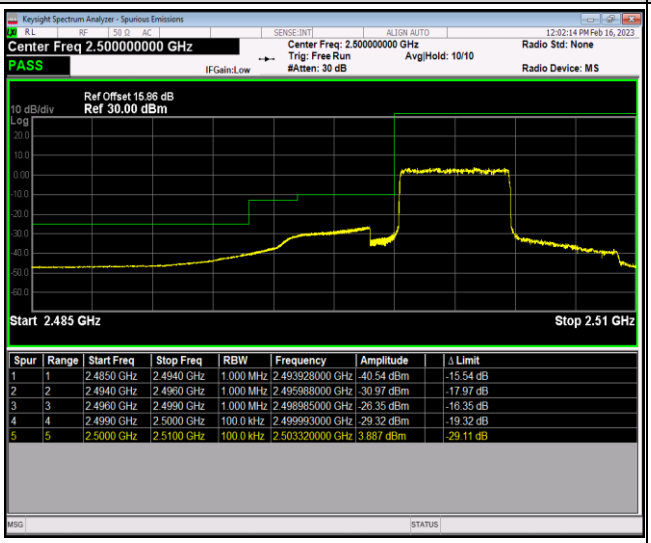
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.491624000 GHz	-46.45 dBm	-21.45 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495908000 GHz	-43.33 dBm	-30.33 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498436000 GHz	-38.46 dBm	-28.46 dB
4	4	2.4990 GHz	2.5000 GHz	10.00 kHz	2.499990000 GHz	-25.79 dBm	-15.79 dB
5	5	2.5000 GHz	2.5100 GHz	10.00 kHz	2.500420000 GHz	10.92 dBm	-22.08 dB

Band7-5MHz-QPSK-20775-1RB#24



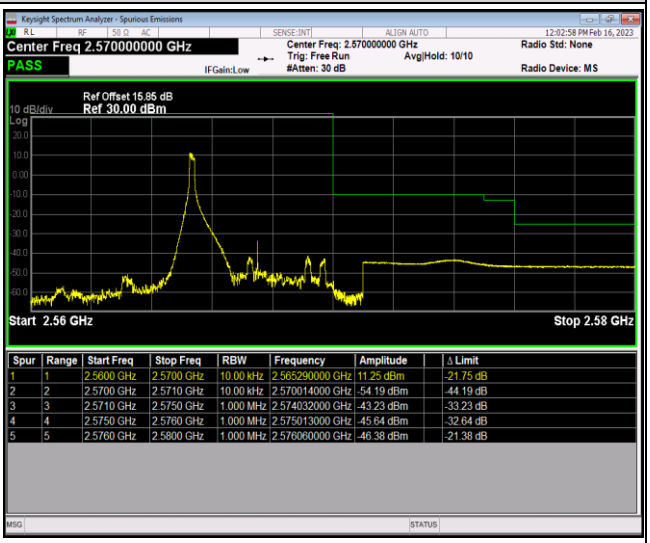
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.493514000 GHz	-46.53 dBm	-21.53 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495998000 GHz	-42.19 dBm	-29.19 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.496159000 GHz	-42.13 dBm	-32.13 dB
4	4	2.4990 GHz	2.5000 GHz	10.00 kHz	2.499999000 GHz	-55.30 dBm	-45.30 dB
5	5	2.5000 GHz	2.5100 GHz	10.00 kHz	2.504700000 GHz	11.24 dBm	-21.76 dB

Band7-5MHz-QPSK-20775-25RB#0



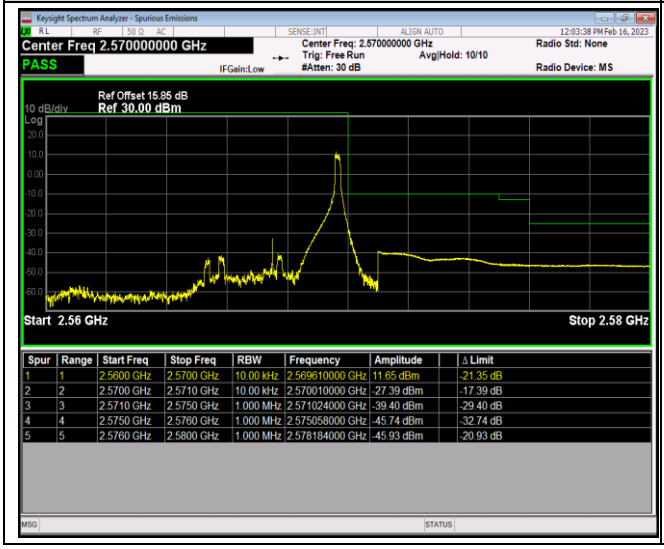
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.493928000 GHz	-40.54 dBm	-15.54 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495988000 GHz	-30.97 dBm	-17.97 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498985000 GHz	-26.35 dBm	-16.35 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.499993000 GHz	-29.32 dBm	-19.32 dB
5	5	2.5000 GHz	2.5100 GHz	100.0 kHz	2.503320000 GHz	3.887 dBm	-29.11 dB

Band7-5MHz-QPSK-21425-1RB#0



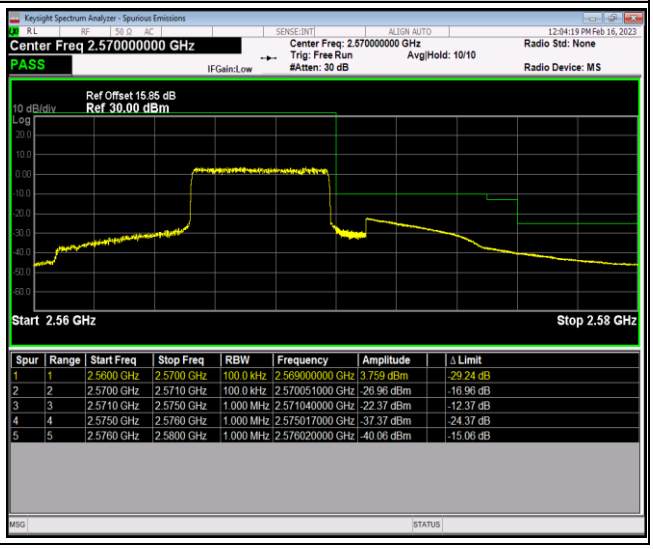
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	10.00 kHz	2.565290000 GHz	11.25 dBm	-21.75 dB
2	2	2.5700 GHz	2.5710 GHz	10.00 kHz	2.570014000 GHz	-54.19 dBm	-44.19 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.574032000 GHz	-43.23 dBm	-33.23 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575013000 GHz	-45.64 dBm	-32.64 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.576060000 GHz	-46.38 dBm	-21.38 dB

Band7-5MHz-QPSK-21425-1RB#24



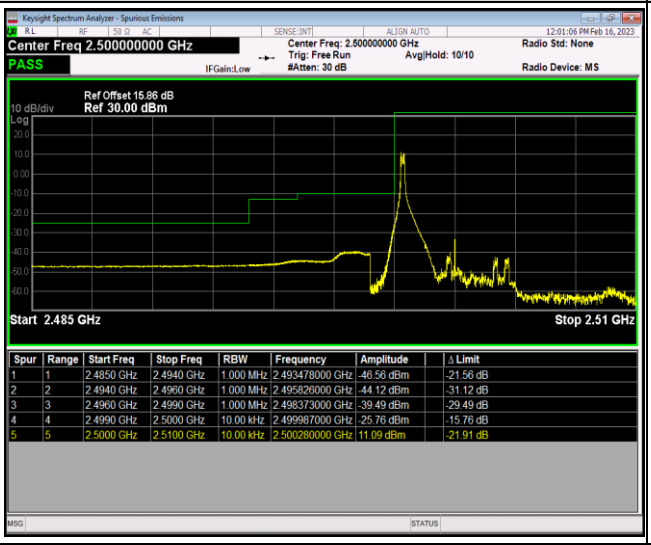
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	10.00 kHz	2.569610000 GHz	11.65 dBm	-21.35 dB
2	2	2.5700 GHz	2.5710 GHz	10.00 kHz	2.570010000 GHz	-27.39 dBm	-17.39 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571024000 GHz	-39.40 dBm	-29.40 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575058000 GHz	-45.74 dBm	-32.74 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.578184000 GHz	-45.93 dBm	-20.93 dB

Band7-5MHz-QPSK-21425-25RB#0



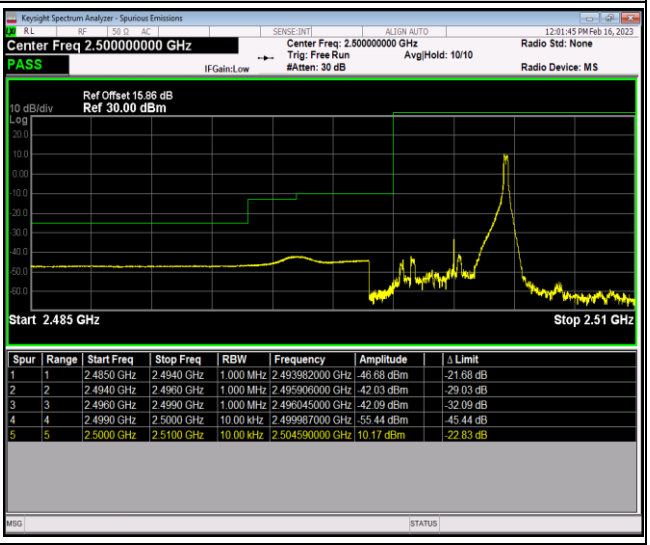
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	100.0 kHz	2.569000000 GHz	3.759 dBm	-29.24 dB
2	2	2.5700 GHz	2.5710 GHz	100.0 kHz	2.570051000 GHz	-26.96 dBm	-16.96 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571040000 GHz	-22.37 dBm	-12.37 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575017000 GHz	-37.37 dBm	-24.37 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.576020000 GHz	-40.06 dBm	-15.06 dB

Band7-5MHz-16QAM-20775-1RB#0



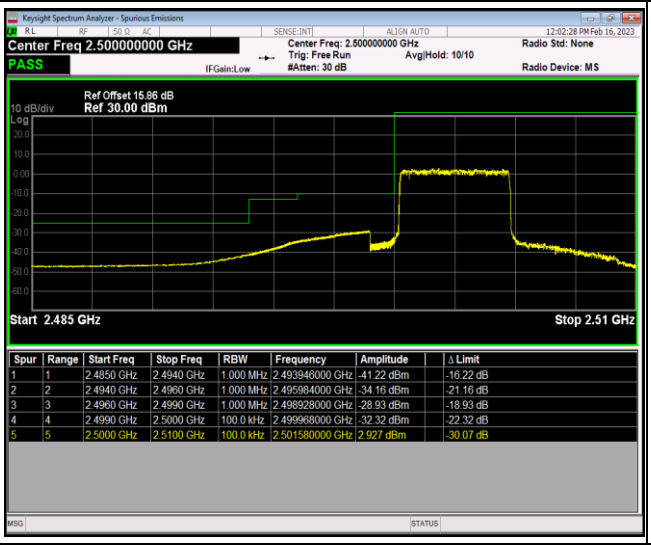
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.493478000 GHz	-46.56 dBm	-21.56 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495826000 GHz	-44.12 dBm	-31.12 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498373000 GHz	-39.49 dBm	-29.49 dB
4	4	2.4990 GHz	2.5000 GHz	10.00 kHz	2.499987000 GHz	-25.76 dBm	-15.76 dB
5	5	2.5000 GHz	2.5100 GHz	10.00 kHz	2.500280000 GHz	11.09 dBm	-21.91 dB

Band7-5MHz-16QAM-20775-1RB#24



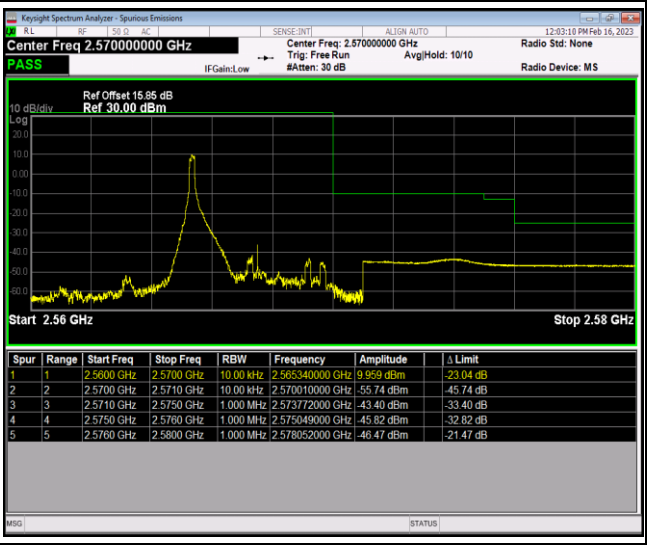
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.493982000 GHz	-46.68 dBm	-21.68 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495906000 GHz	-42.03 dBm	-29.03 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.496045000 GHz	-42.09 dBm	-32.09 dB
4	4	2.4990 GHz	2.5000 GHz	10.00 kHz	2.499987000 GHz	-55.44 dBm	-45.44 dB
5	5	2.5000 GHz	2.5100 GHz	10.00 kHz	2.504590000 GHz	10.17 dBm	-22.83 dB

Band7-5MHz-16QAM-20775-25RB#0



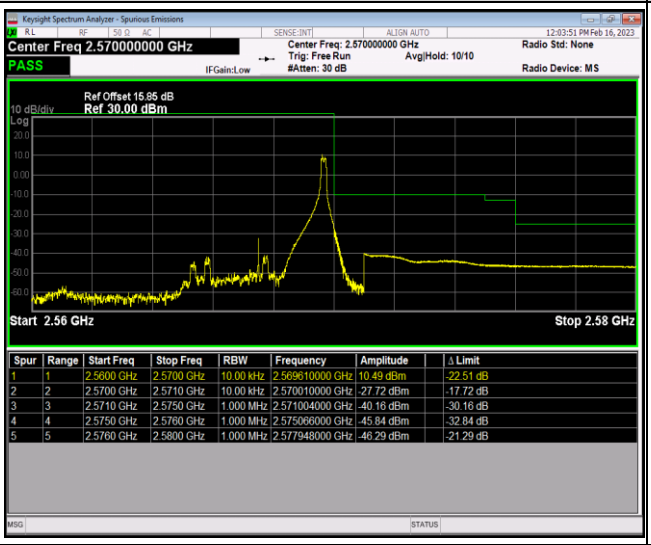
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4850 GHz	2.4940 GHz	1.000 MHz	2.493946000 GHz	-41.22 dBm	-16.22 dB
2	2	2.4940 GHz	2.4960 GHz	1.000 MHz	2.495984000 GHz	-34.16 dBm	-21.16 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498928000 GHz	-28.93 dBm	-18.93 dB
4	4	2.4990 GHz	2.5000 GHz	100.0 kHz	2.499968000 GHz	-32.32 dBm	-22.32 dB
5	5	2.5000 GHz	2.5100 GHz	100.0 kHz	2.501580000 GHz	2.927 dBm	-30.07 dB

Band7-5MHz-16QAM-21425-1RB#0



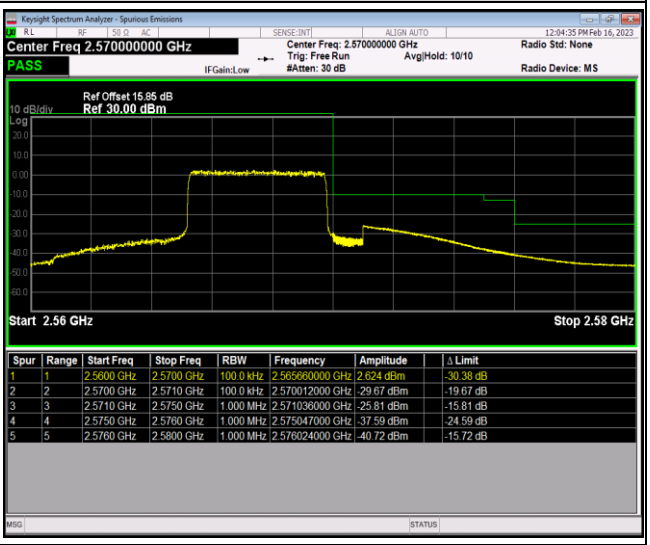
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	10.00 kHz	2.565340000 GHz	9.959 dBm	-23.04 dB
2	2	2.5700 GHz	2.5710 GHz	10.00 kHz	2.570010000 GHz	-55.74 dBm	-45.74 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.573772000 GHz	-43.40 dBm	-33.40 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575049000 GHz	-45.82 dBm	-32.82 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.578052000 GHz	-46.47 dBm	-21.47 dB

Band7-5MHz-16QAM-21425-1RB#24



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	10.00 kHz	2.569610000 GHz	10.49 dBm	-22.51 dB
2	2	2.5700 GHz	2.5710 GHz	10.00 kHz	2.570010000 GHz	-27.72 dBm	-17.72 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571004000 GHz	-40.16 dBm	-30.16 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575066000 GHz	-45.84 dBm	-32.84 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.577948000 GHz	-46.29 dBm	-21.29 dB

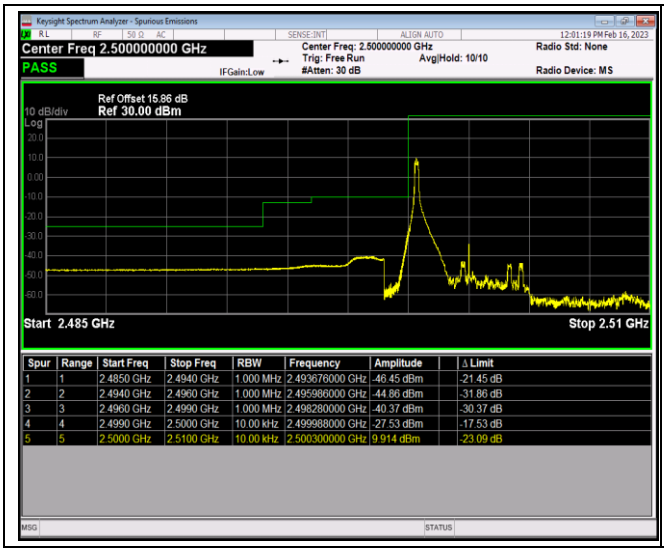
Band7-5MHz-16QAM-21425-25RB#0



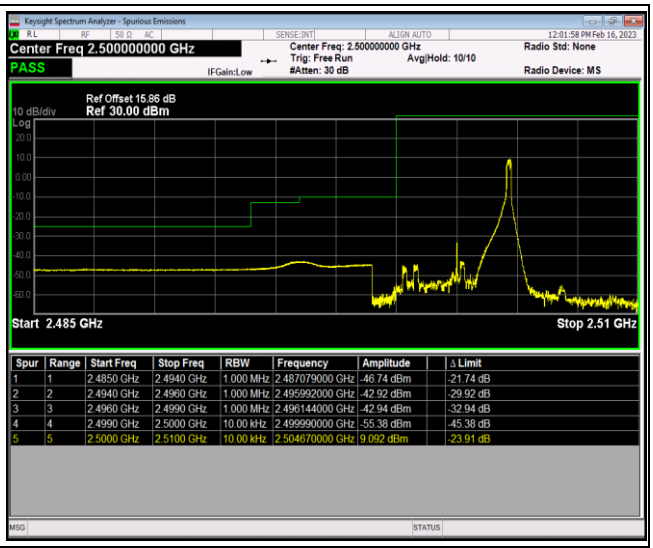
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5600 GHz	2.5700 GHz	100.0 kHz	2.565660000 GHz	2.624 dBm	-30.38 dB
2	2	2.5700 GHz	2.5710 GHz	100.0 kHz	2.570012000 GHz	-29.67 dBm	-19.67 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571036000 GHz	-25.81 dBm	-15.81 dB
4	4	2.5750 GHz	2.5760 GHz	1.000 MHz	2.575047000 GHz	-37.59 dBm	-24.59 dB
5	5	2.5760 GHz	2.5800 GHz	1.000 MHz	2.576024000 GHz	-40.72 dBm	-15.72 dB

Band7-5MHz-64QAM-20775-1RB#0

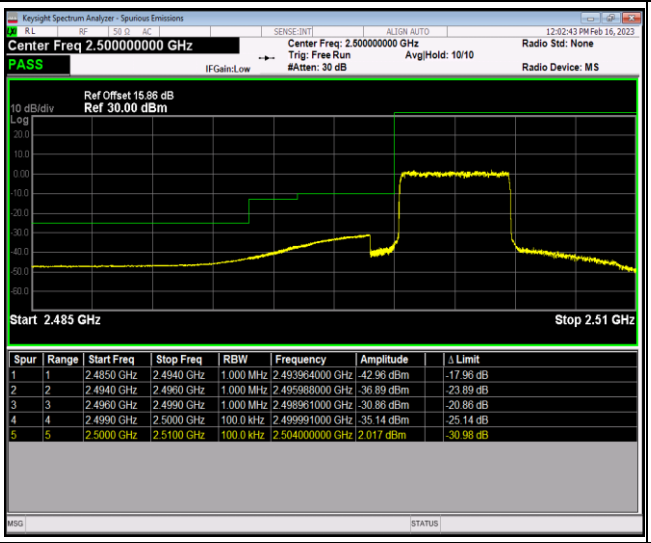
Band7-5MHz-64QAM-20775-1RB#24



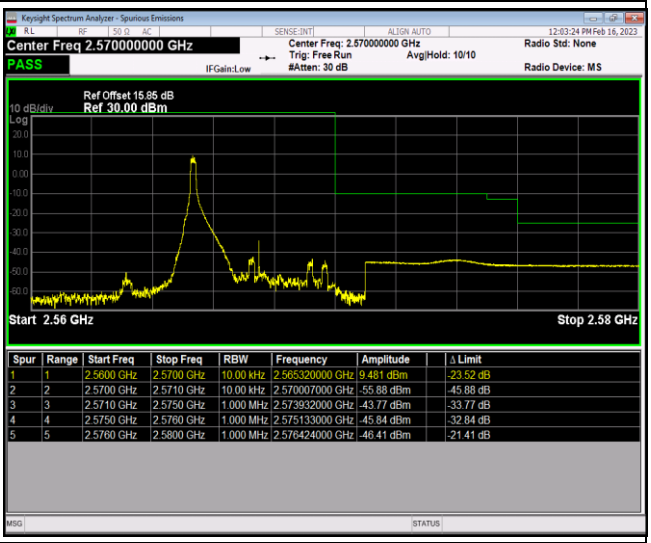
Band7-5MHz-64QAM-20775-25RB#0



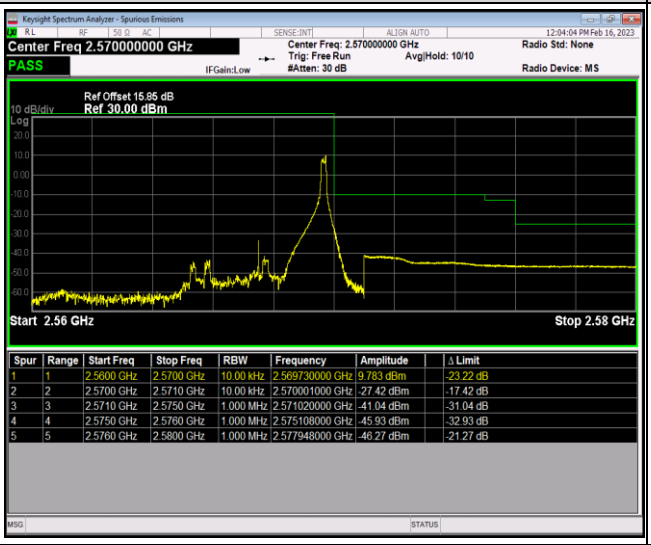
Band7-5MHz-64QAM-21425-1RB#0



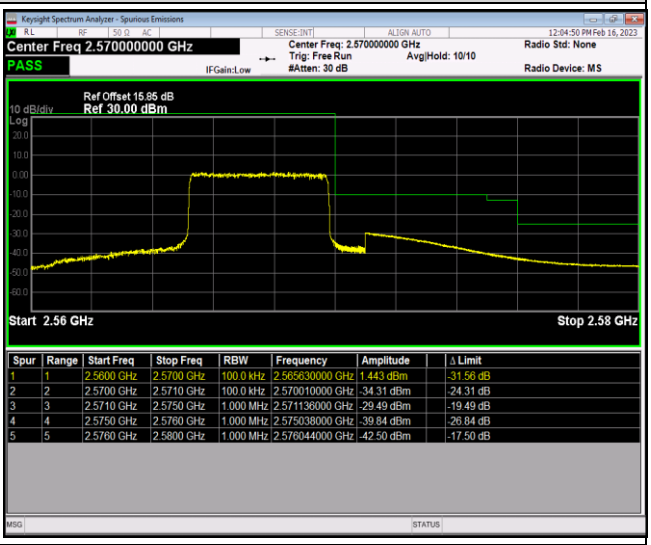
Band7-5MHz-64QAM-21425-1RB#24



Band7-5MHz-64QAM-21425-25RB#0



Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-1RB#99