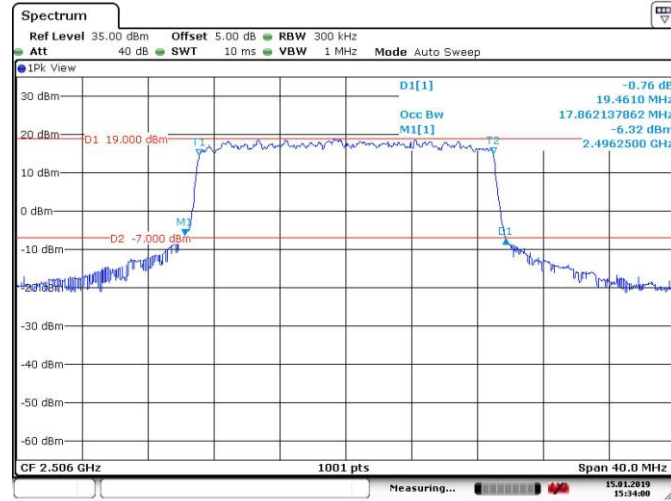
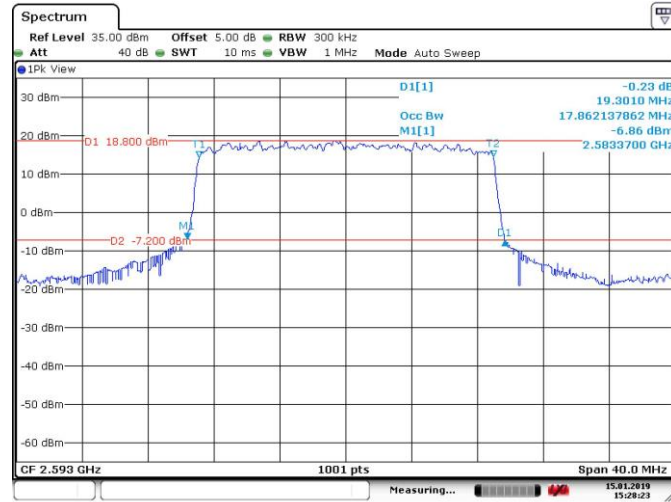


Band41_20MHz_QPSK_39750_100RB#0



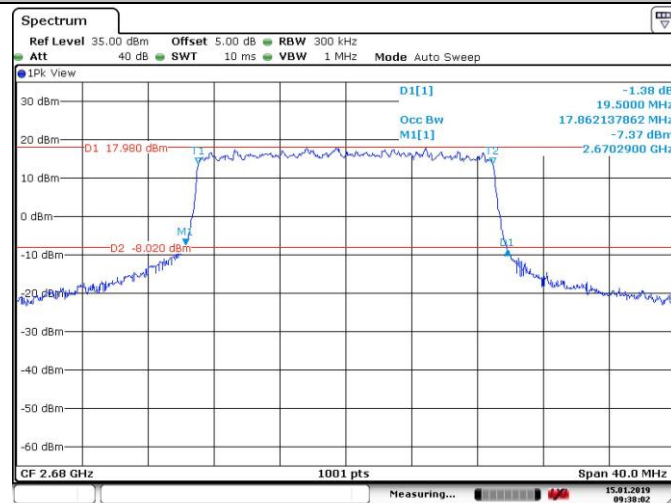
Date: 15 JAN 2019 15:34:00

Band41_20MHz_QPSK_40620_100RB#0



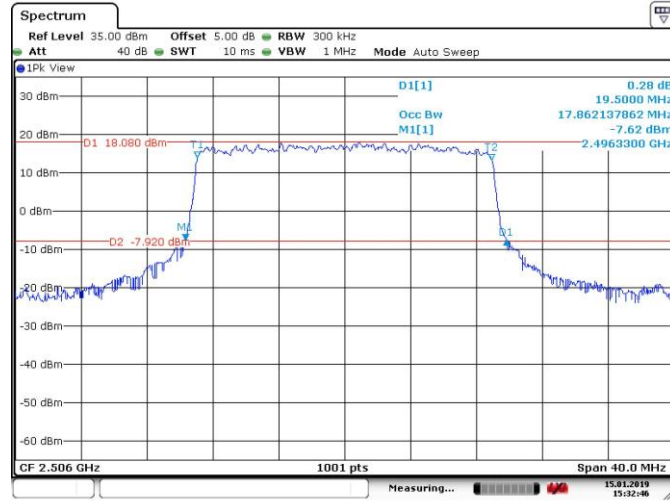
Date: 15 JAN 2019 15:28:24

Band41_20MHz_QPSK_41490_100RB#0



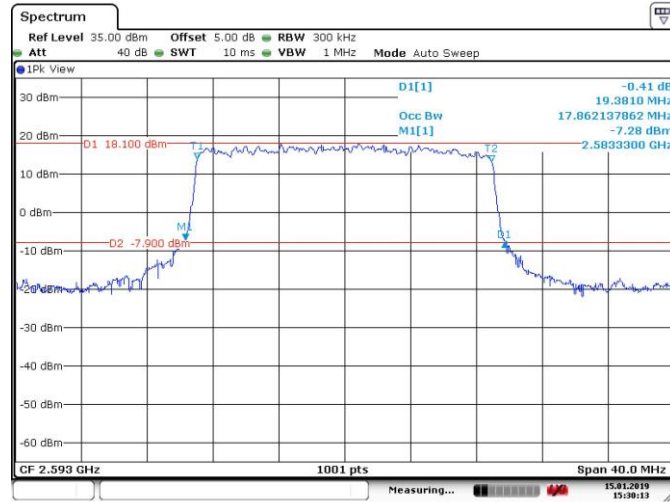
Date: 15 JAN 2019 09:38:02

Band41_20MHz_16QAM_39750_100RB#0



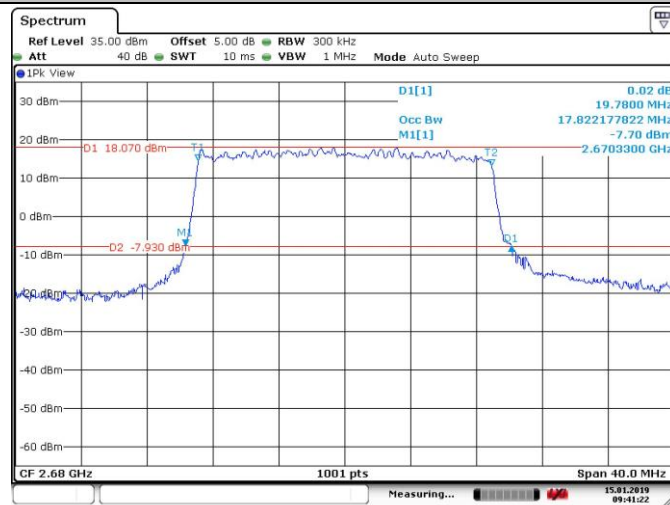
Date: 15 JAN 2019 15:32:46

Band41_20MHz_16QAM_40620_100RB#0



Date: 15 JAN 2019 15:30:13

Band41_20MHz_16QAM_41490_100RB#0

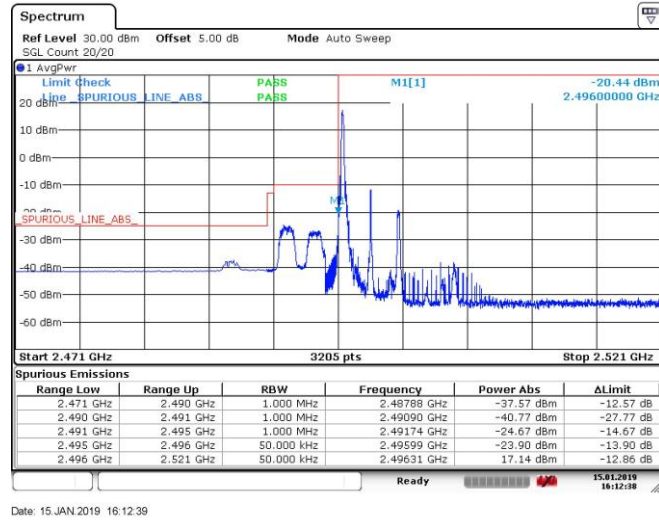


Date: 15 JAN 2019 09:41:22

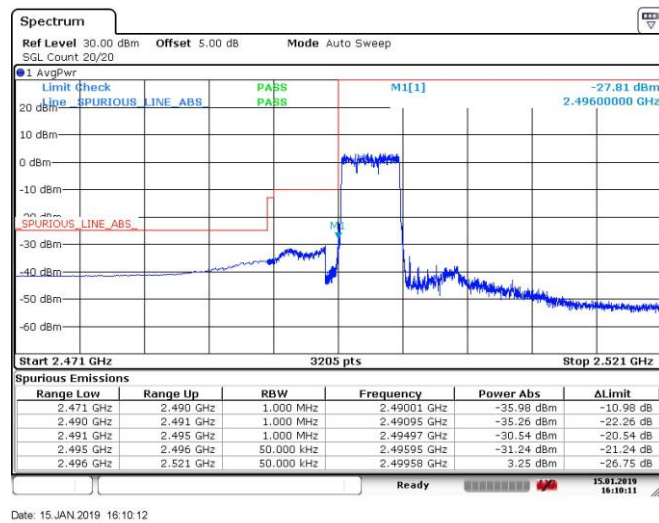
7. Band Edge Compliance

7.1. Test Plots

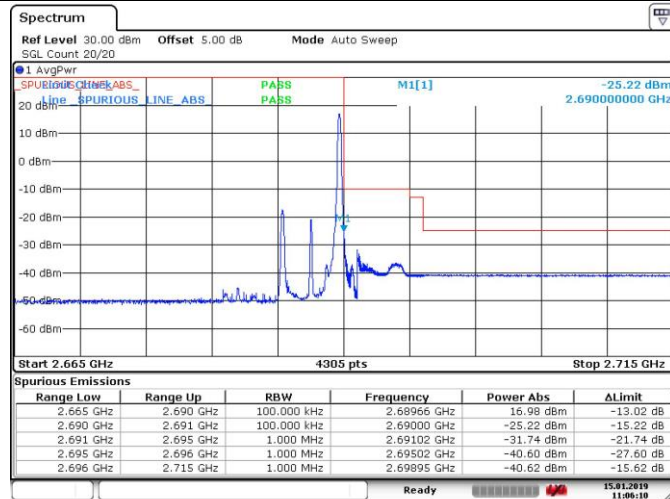
BAND 41_5MHz_QPSK_39675_1RB#0



BAND 41_5MHz_QPSK_39675_25RB#0

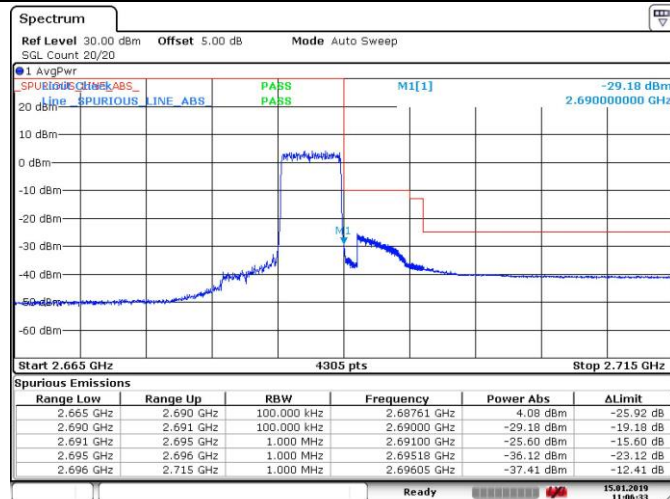


BAND 41_5MHz_QPSK_41565_1RB#24



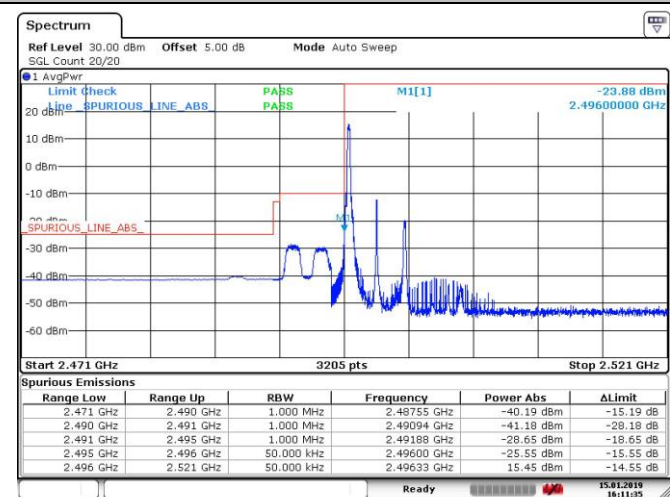
Date: 15 JAN 2019 11:06:09

BAND 41_5MHz_QPSK_41565_25RB#0



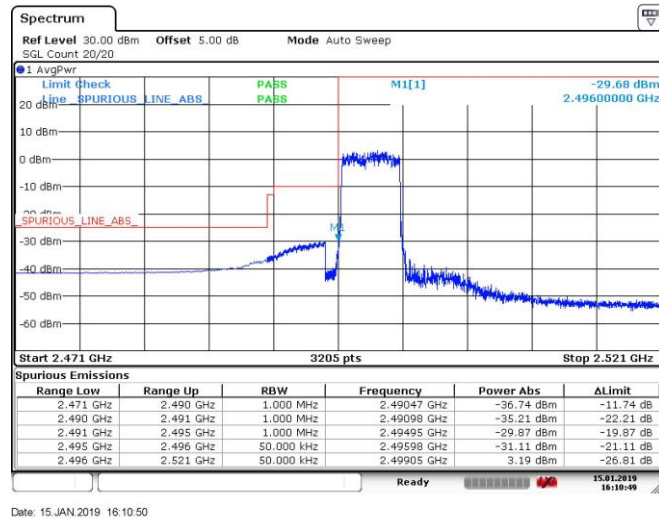
Date: 15 JAN 2019 11:06:34

BAND 41_5MHz_16QAM_39675_1RB#0

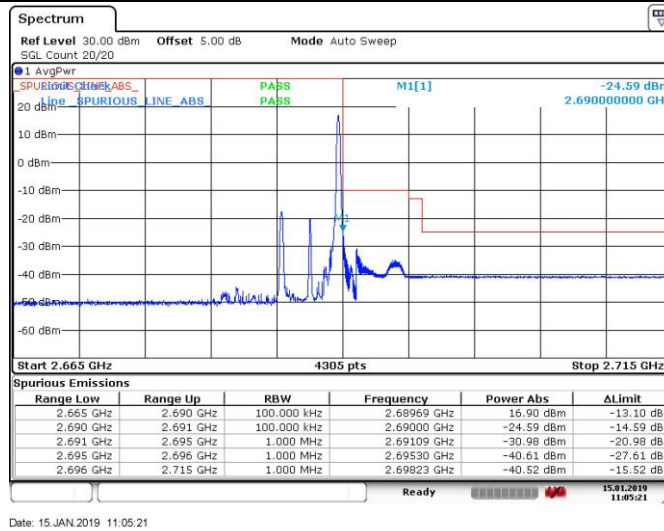


Date: 15 JAN 2019 16:11:36

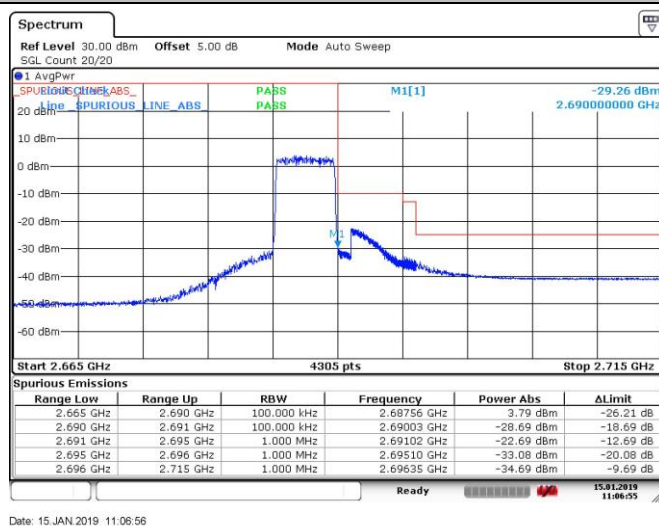
BAND 41_5MHz_16QAM_39675_25RB#0



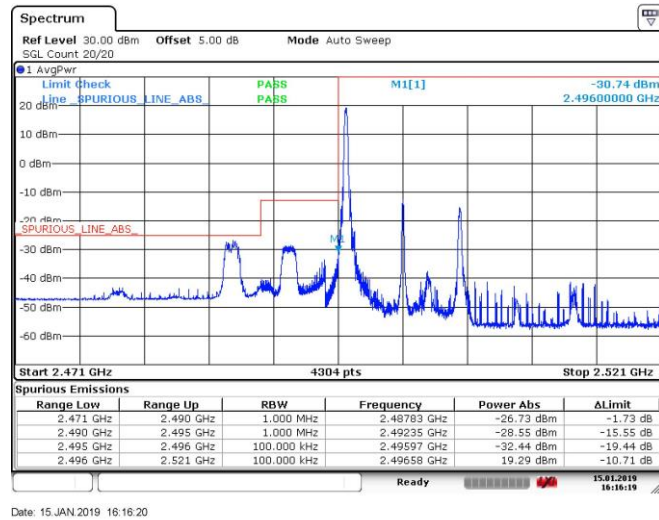
BAND 41_5MHz_16QAM_41565_1RB#24



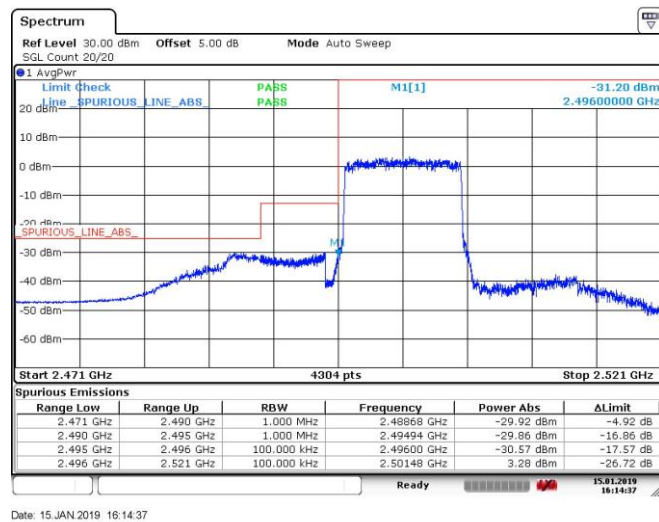
BAND 41_5MHz_16QAM_41565_25RB#0



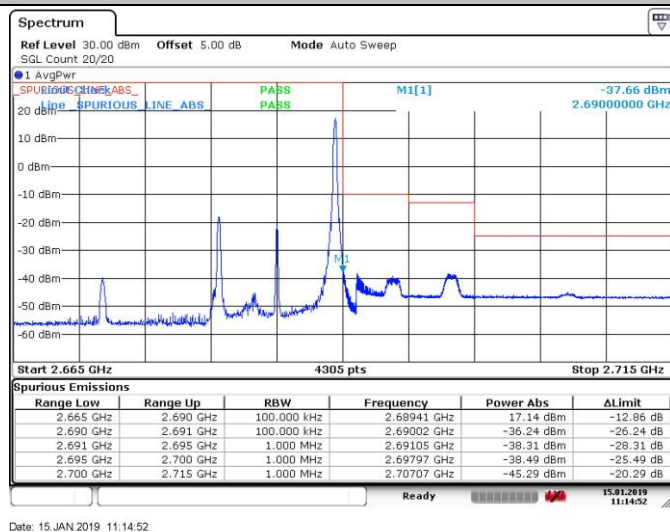
BAND 41_10MHz_QPSK_39700_1RB#0



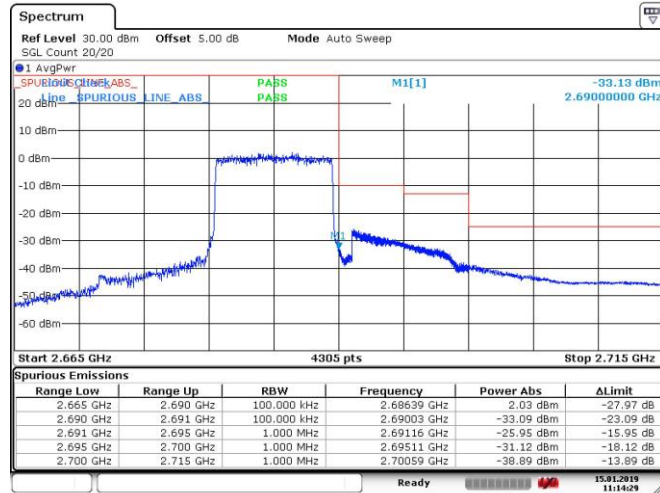
BAND 41_10MHz_QPSK_39700_50RB#0



BAND 41_10MHz_QPSK_41540_1RB#49

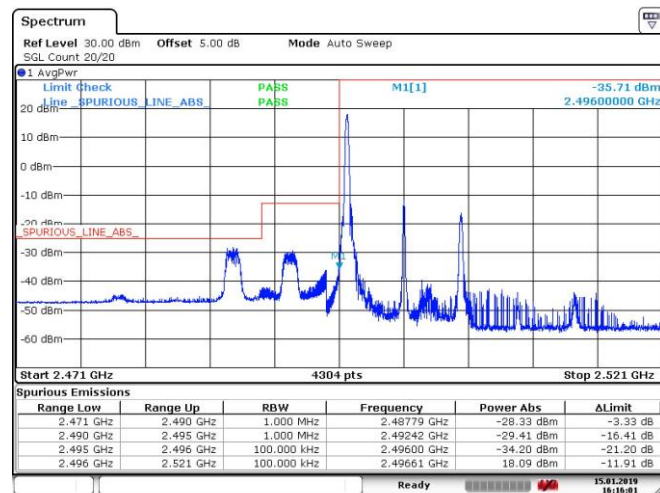


BAND 41_10MHz_QPSK_41540_50RB#0



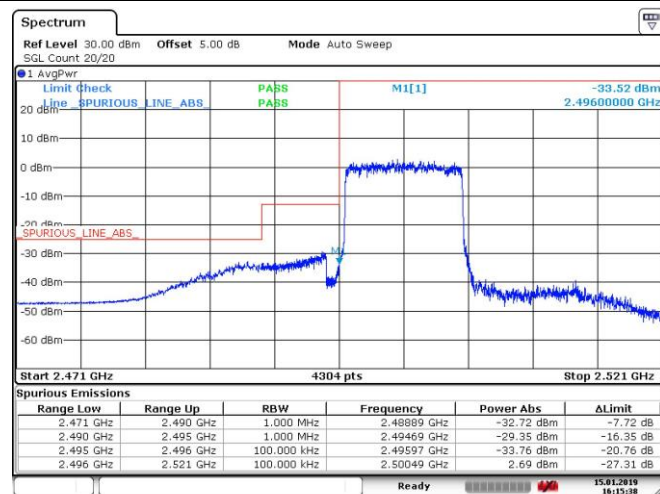
Date: 15 JAN 2019 11:14:30

BAND 41_10MHz_16QAM_39700_1RB#0



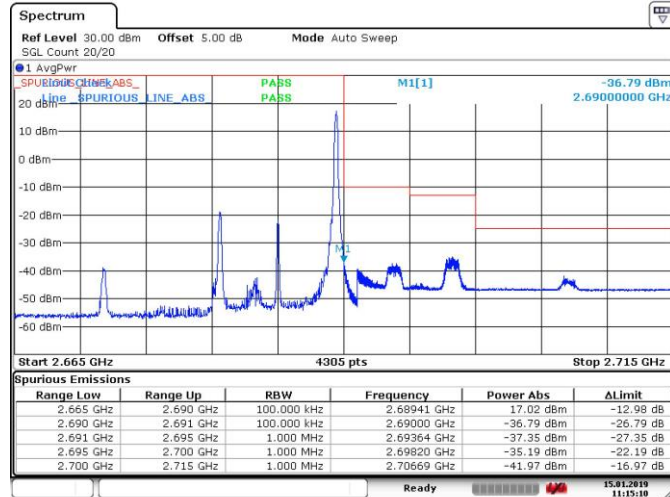
Date: 15 JAN 2019 16:16:02

BAND 41_10MHz_16QAM_39700_50RB#0



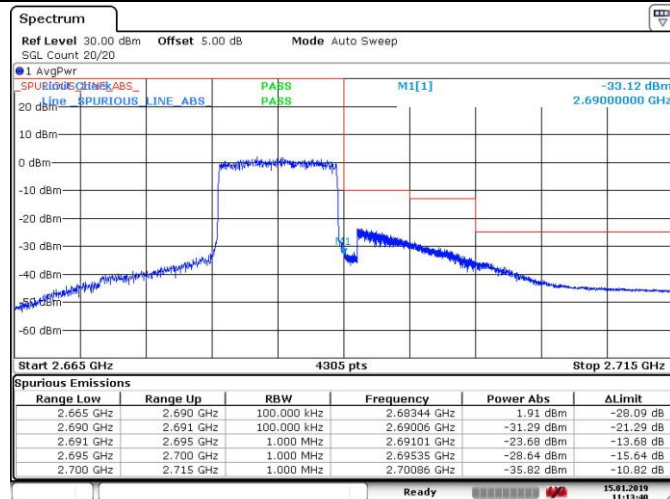
Date: 15 JAN 2019 16:15:38

BAND 41_10MHz_16QAM_41540_1RB#49



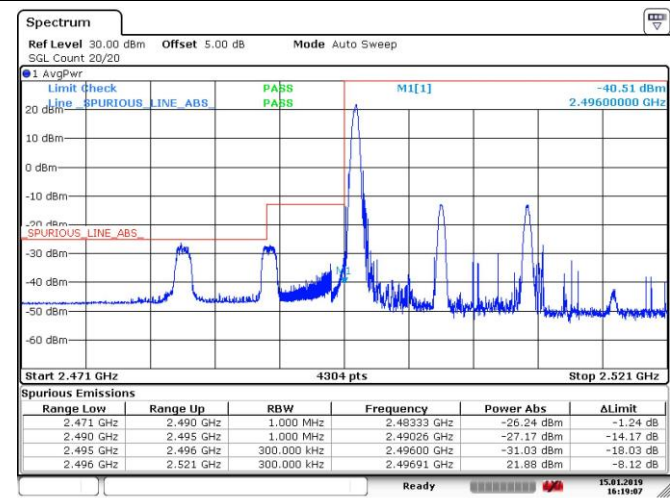
Date: 15 JAN 2019 11:15:11

BAND 41_10MHz_16QAM_41540_50RB#0



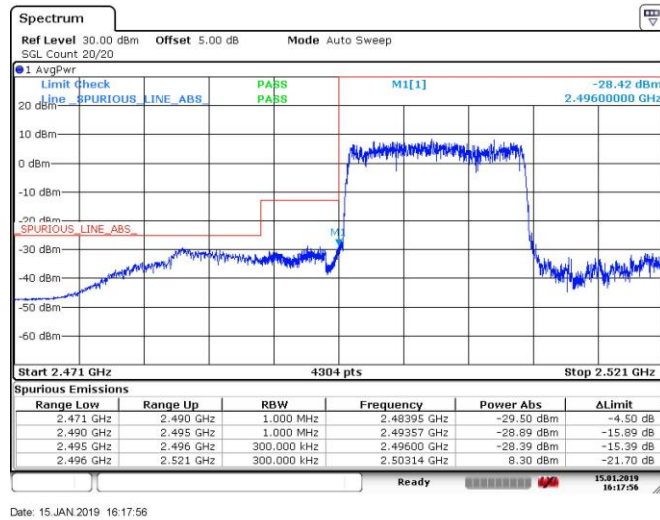
Date: 15 JAN 2019 11:13:40

BAND 41_15MHz_QPSK_39725_1RB#0

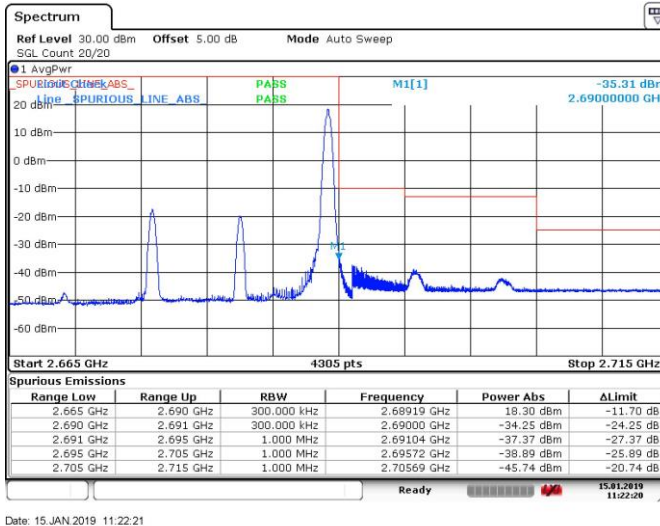


Date: 15 JAN 2019 16:19:07

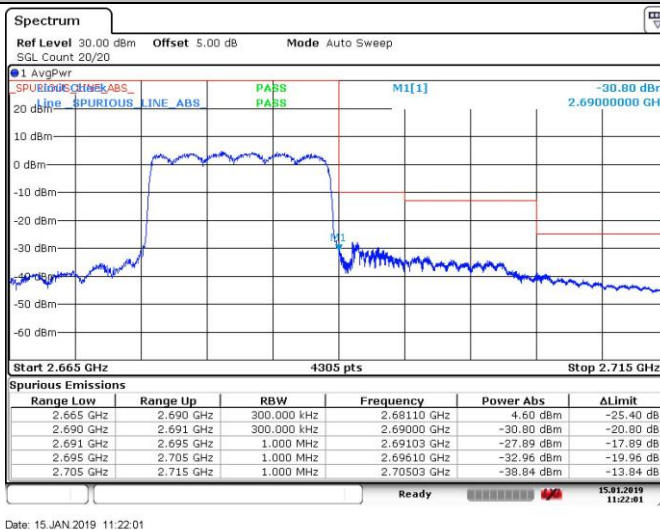
BAND 41_15MHz_QPSK_39725_75RB#0



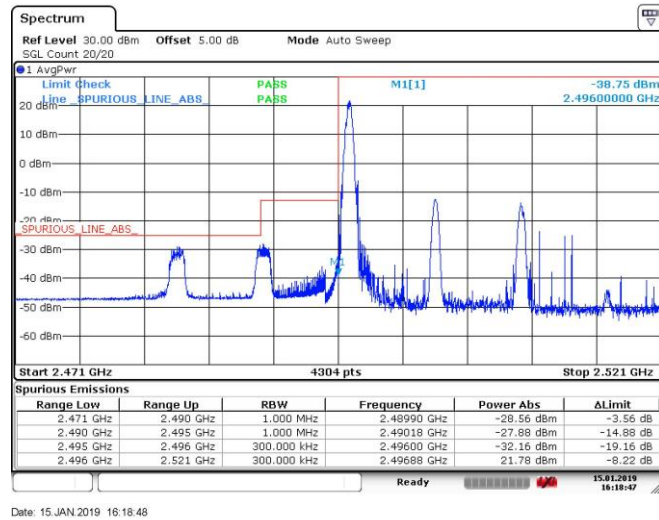
BAND 41_15MHz_QPSK_41515_1RB#74



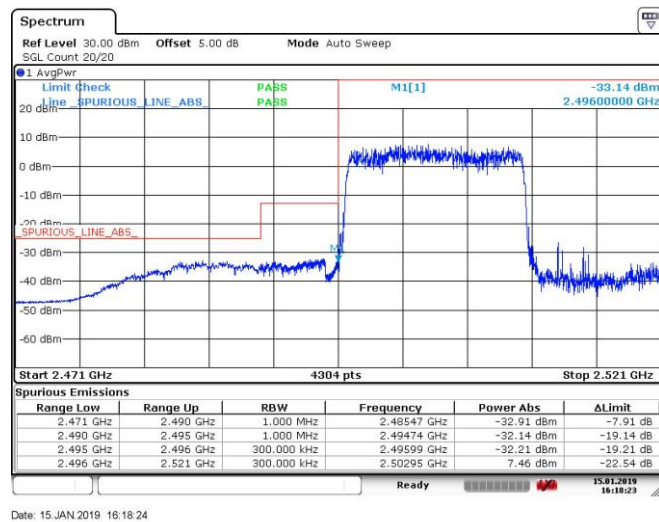
BAND 41_15MHz_QPSK_41515_75RB#0



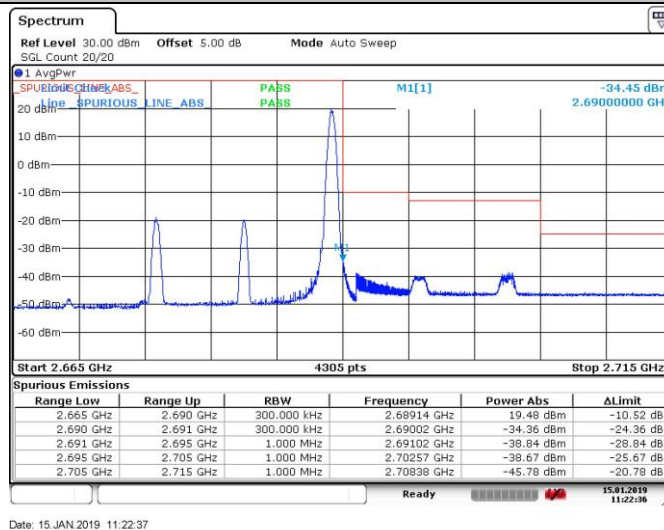
BAND 41_15MHz_16QAM_39725_1RB#0



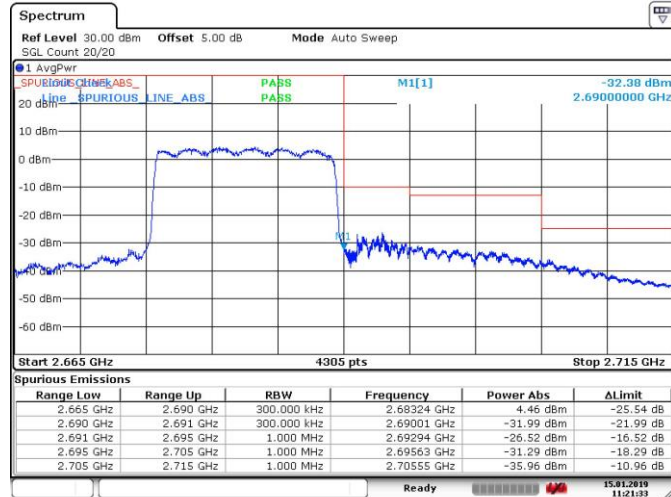
BAND 41_15MHz_16QAM_39725_75RB#0



BAND 41_15MHz_16QAM_41515_1RB#74

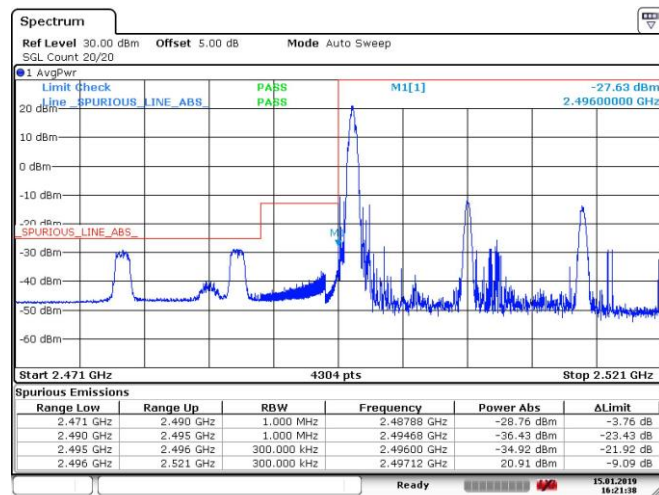


BAND 41_15MHz_16QAM_41515_75RB#0



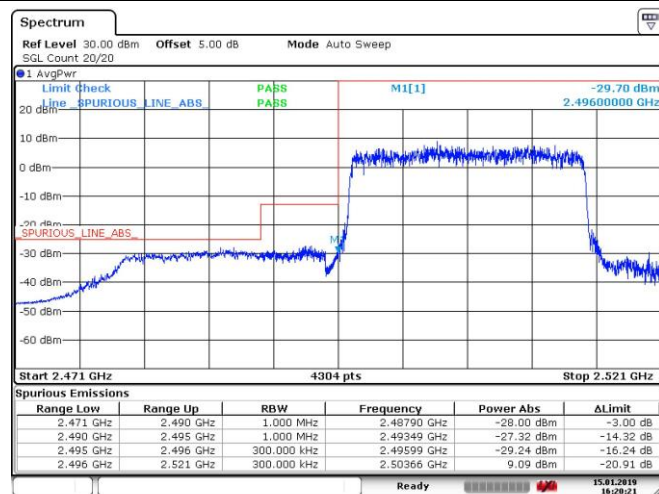
Date: 15 JAN 2019 11:21:33

BAND 41_20MHz_QPSK_39750_1RB#0



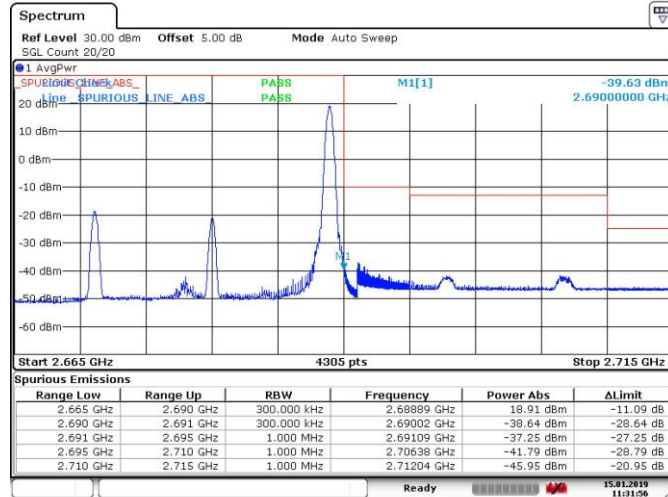
Date: 15 JAN 2019 16:21:38

BAND 41_20MHz_QPSK_39750_100RB#0



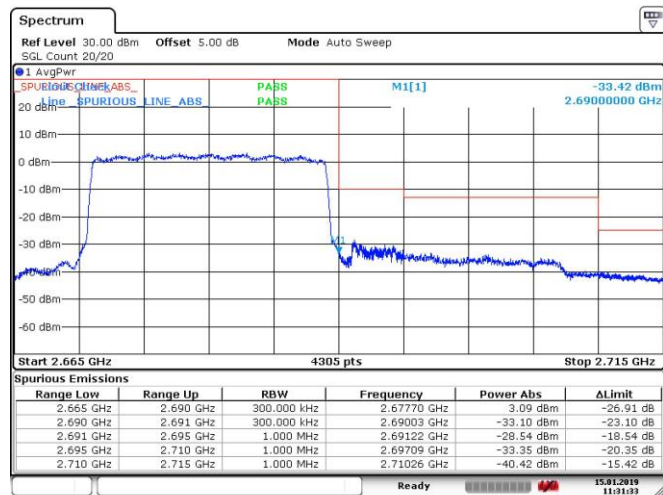
Date: 15 JAN 2019 16:28:21

BAND 41_20MHz_QPSK_41490_1RB#99



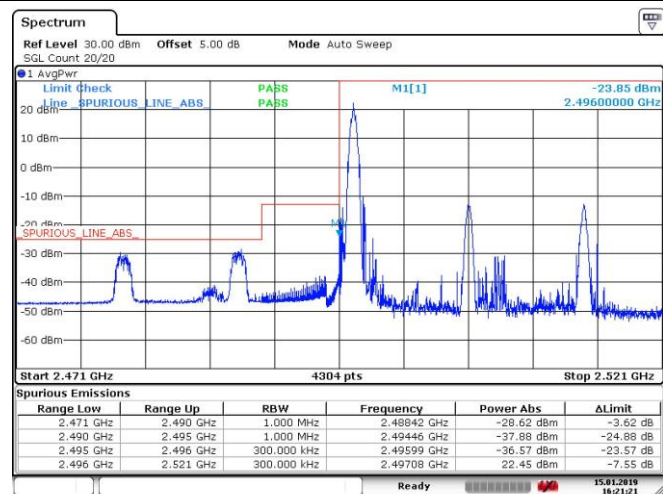
Date: 15 JAN 2019 11:31:56

BAND 41_20MHz_QPSK_41490_100RB#0



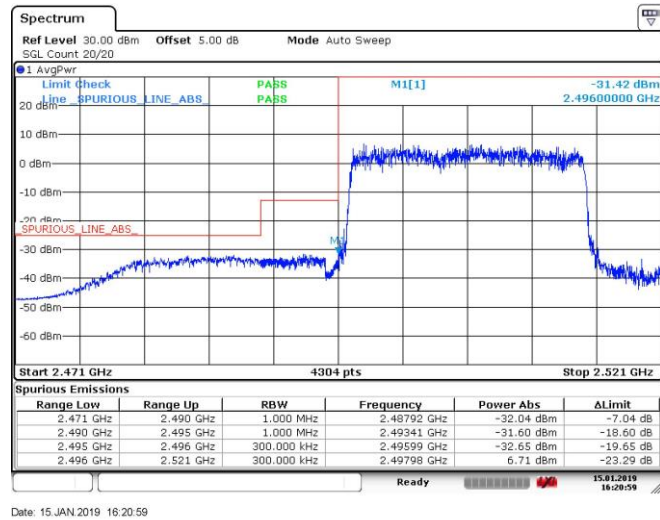
Date: 15 JAN 2019 11:31:33

BAND 41_20MHz_16QAM_39750_1RB#0

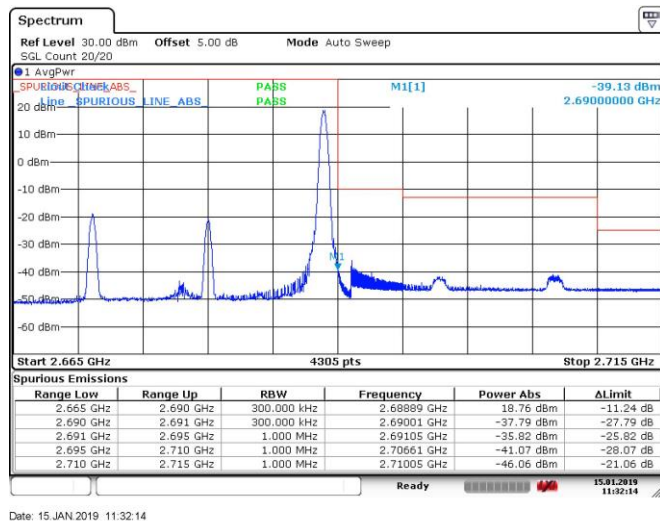


Date: 15 JAN 2019 16:21:21

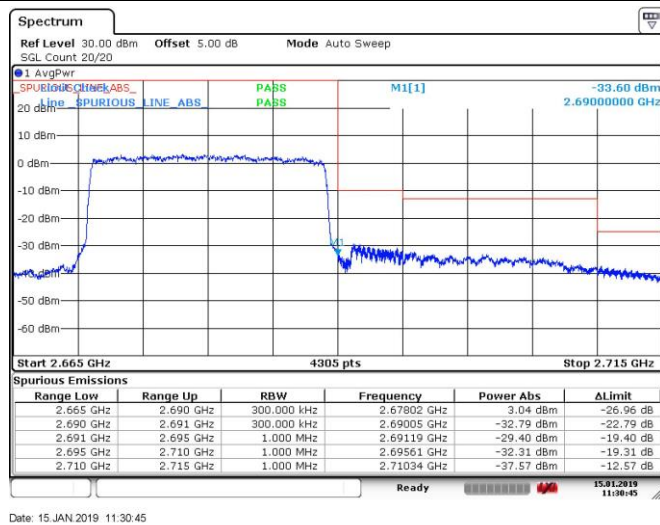
BAND 41_20MHz_16QAM_39750_100RB#0



BAND 41_20MHz_16QAM_41490_1RB#99



BAND 41_20MHz_16QAM_41490_100RB#0



8. Spurious Emission at Antenna Terminal

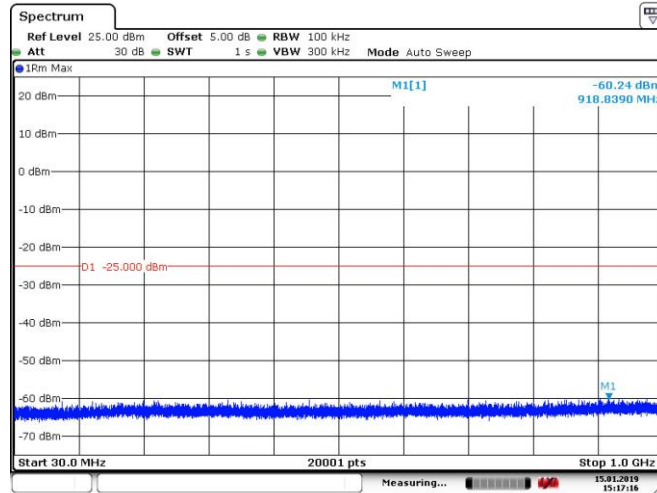
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

8.1. Test Plots

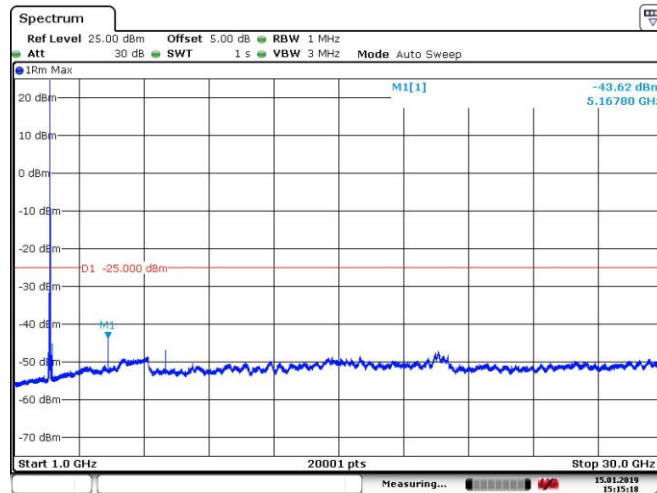


Band41_20MHz_QPSK_40620_1RB#0



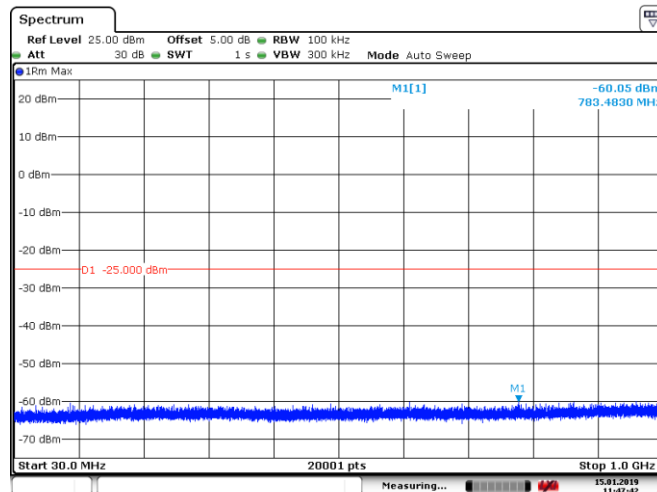
Date: 15 JAN 2019 15:17:16

Band41_20MHz_QPSK_40620_1RB#0



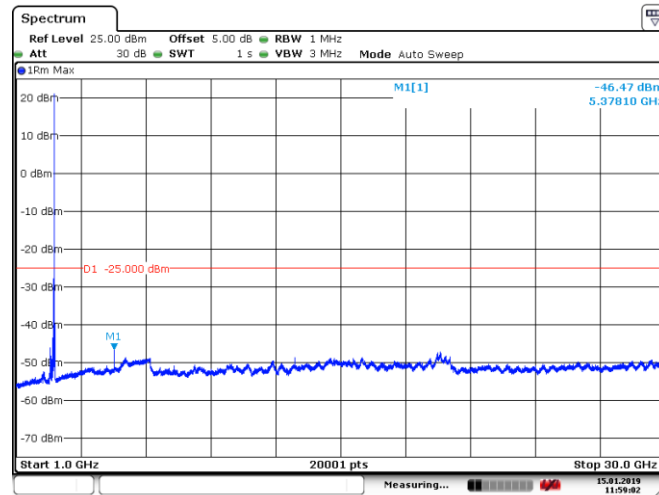
Date: 15 JAN 2019 15:15:19

Band41_20MHz_QPSK_41490_1RB#0



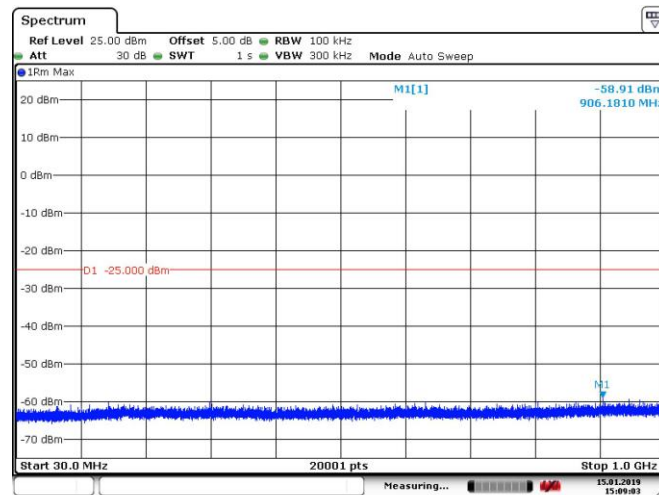
Date: 15 JAN 2019 11:47:43

Band41_20MHz_QPSK_41490_1RB#0



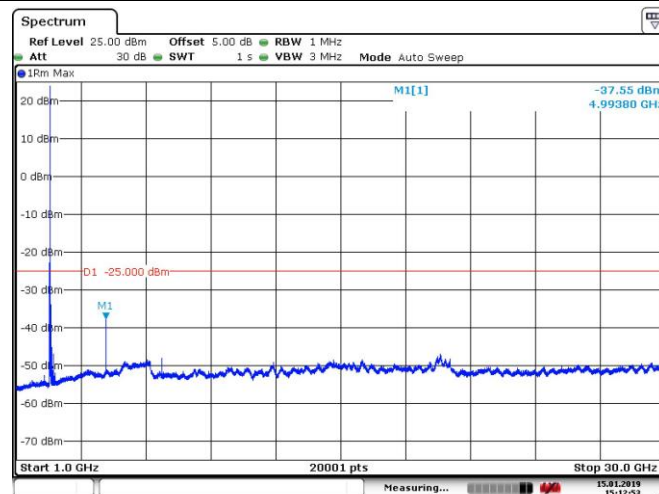
Date: 15 JAN 2019 11:59:03

Band41_20MHz_16QAM_39750_1RB#0



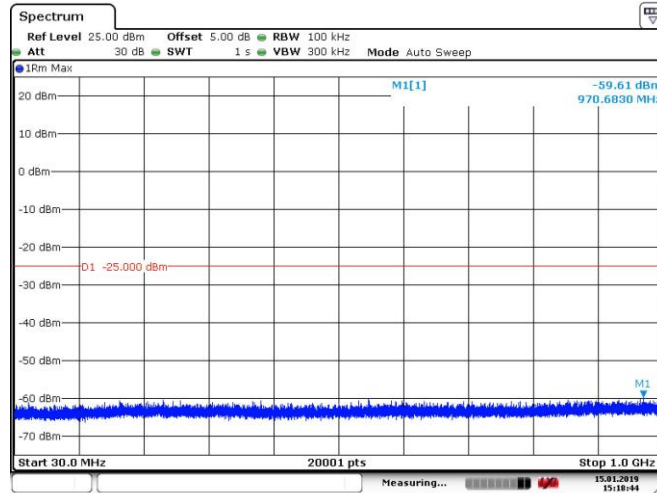
Date: 15 JAN 2019 15:09:03

Band41_20MHz_16QAM_39750_1RB#0



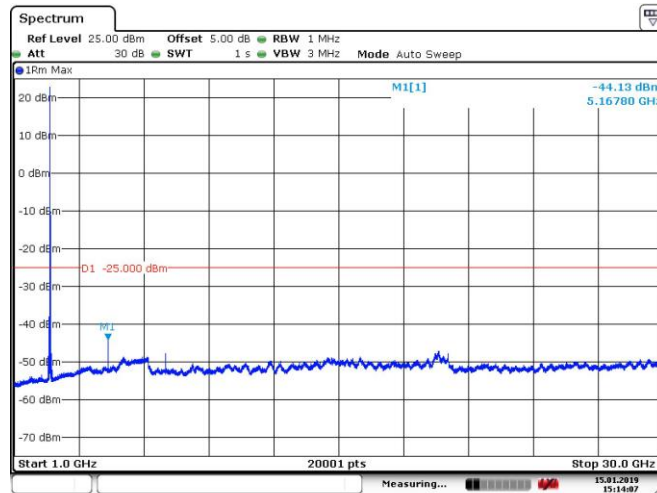
Date: 15 JAN 2019 15:12:53

Band41_20MHz_16QAM_40620_1RB#0



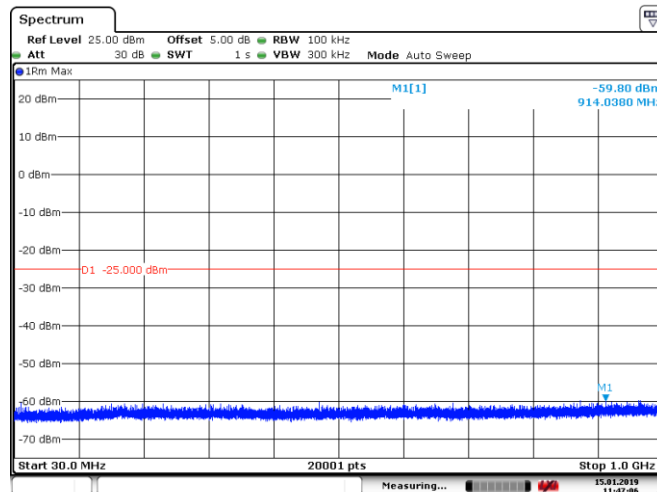
Date: 15 JAN 2019 15:18:44

Band41_20MHz_16QAM_40620_1RB#0



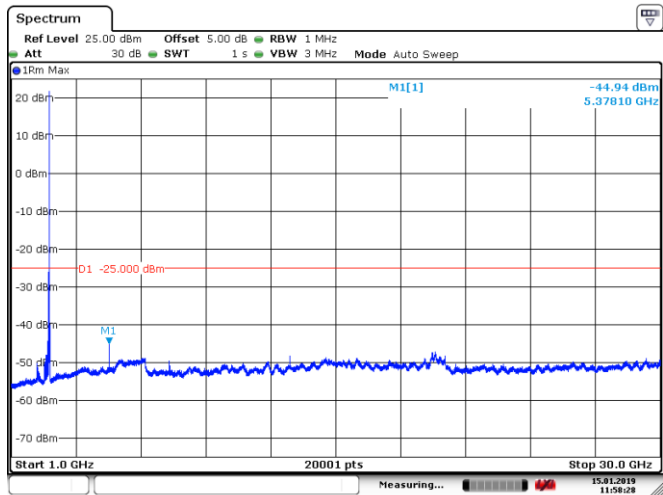
Date: 15 JAN 2019 15:14:07

Band41_20MHz_16QAM_41490_1RB#0



Date: 15 JAN 2019 11:47:06

Band41_20MHz_16QAM_41490_1RB#0



Date: 15 JAN 2019 11:58:29

9. Frequency Stability

9.1.Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	8.70	0.003468	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	10.57	0.004209	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	-6.70	-0.002668	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	8.09	0.003119	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	2.54	0.000981	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	3.98	0.001534	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	-0.68	-0.000253	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-5.01	-0.001869	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	13.60	0.005073	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	7.40	0.002949	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	-11.82	-0.004711	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	6.05	0.002409	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-8.69	-0.003349	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	1.69	0.000650	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	14.64	0.005641	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	13.42	0.005008	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	-13.24	-0.004941	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	7.32	0.002730	±2.5	PASS

9.2.Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	7.29	0.002903	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	7.08	0.002822	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-1.53	-0.000609	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	14.75	0.005875	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	13.57	0.005407	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-0.40	-0.000159	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-1.55	-0.000618	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-14.28	-0.005689	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-14.19	-0.005468	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-8.58	-0.003306	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	13.46	0.005186	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	6.05	0.002330	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	11.18	0.004307	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	0.00	0.000002	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	13.83	0.005329	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	13.80	0.005319	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	6.12	0.002283	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-4.54	-0.001695	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-8.53	-0.003184	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-4.60	-0.001715	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	0.61	0.000228	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	1.64	0.000614	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-0.08	-0.000031	±2.5	PASS

JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZB-R12-2102967

Band41	20MHz	QPSK	41490	100RB#0	NV	50	4.29	0.001599	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	12.26	0.004885	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	-2.84	-0.001130	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	5.93	0.002364	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	-12.41	-0.004944	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	-7.71	-0.003070	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	6.82	0.002718	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	7.87	0.003136	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	8.14	0.003244	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	-4.11	-0.001582	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	0.13	0.000050	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	5.82	0.002242	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	-6.97	-0.002687	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	1.04	0.000399	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	-6.86	-0.002645	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	9.47	0.003649	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	-5.94	-0.002291	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	6.37	0.002376	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	9.85	0.003674	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	-1.04	-0.000388	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	-4.71	-0.001759	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	-12.35	-0.004609	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	-5.93	-0.002214	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	-6.15	-0.002293	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	1.75	0.000655	±2.5	PASS

The End