



Appendix B

E-UTRA BAND 66



CONTENT

1. EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1. Test Result	3
2. PEAK-TO-AVERAGE RATIO(CCDF)	13
2.1. Test Result	13
2.2. Test Plots.....	13
3. MODULATION CHARACTERISTICS	17
3.1. Test BAND = LTE BAND 66	17
3.1.1. Test Mode = LTE /TM1 20MHz	17
3.1.1.1. Test Channel = MCH.....	17
3.1.2. Test Mode = LTE /TM2 20MHz	18
3.1.2.1. Test Channel = MCH.....	18
3.1.1. Test Mode = LTE /TM3 20MHz	19
3.1.1.1. Test Channel = MCH.....	19
4. 26dB BANDWIDTH AND OCCUPIED BANDWIDTH.....	20
4.1. Test Result	20
4.2. Test Plots.....	21
5. BAND EDGE COMPLIANCE	40
5.1. Test Plots.....	40
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	65
6.1. Test Plots.....	65
7. FIELD STRENGTH OF SPURIOUS RADIATION	72
7.1. Test BAND = LTE BAND 66	72
7.1.1. Test Mode =LTE/TM1 20MHz	72
7.1.1.1. Test Channel = LCH.....	72
7.1.1.2. Test Channel = MCH.....	72
7.1.1.3. Test Channel = HCH	73
8. FREQUENCY STABILITY	74
8.1Frequency Vs Voltage	74
8.2Frequency Vs Temperature.....	75



1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
BAND66	1.4MHz	QPSK	131979	1RB#0	23.36	27.36	30.00	PASS
BAND66	1.4MHz	QPSK	131979	1RB#2	23.44	27.44	30.00	PASS
BAND66	1.4MHz	QPSK	131979	1RB#5	23.50	27.50	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#0	23.49	27.49	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#1	23.46	27.46	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#3	23.49	27.49	30.00	PASS
BAND66	1.4MHz	QPSK	131979	6RB#0	22.54	26.54	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#0	23.48	27.48	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#2	23.49	27.49	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#5	23.51	27.51	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#0	23.49	27.49	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#1	23.49	27.49	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#3	23.50	27.50	30.00	PASS
BAND66	1.4MHz	QPSK	132322	6RB#0	22.54	26.54	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#0	23.56	27.56	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#2	23.51	27.51	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#5	23.53	27.53	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#0	23.51	27.51	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#1	23.51	27.51	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#3	23.50	27.50	30.00	PASS
BAND66	1.4MHz	QPSK	132665	6RB#0	22.52	26.52	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#0	22.63	26.63	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#2	22.66	26.66	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#5	22.76	26.76	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#0	22.63	26.63	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#1	22.58	26.58	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#3	22.68	26.68	30.00	PASS
BAND66	1.4MHz	16QAM	131979	6RB#0	21.61	25.61	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#0	22.67	26.67	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#2	22.68	26.68	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#5	22.66	26.66	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#0	22.59	26.59	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#1	22.60	26.60	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#3	22.58	26.58	30.00	PASS



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Report No.: SZEM180500437001

Page: 4 of 76

BAND66	1.4MHz	16QAM	132322	6RB#0	21.58	25.58	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#0	22.66	26.66	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#2	22.64	26.64	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#5	22.79	26.79	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#0	22.65	26.65	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#1	22.59	26.59	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#3	22.57	26.57	30.00	PASS
BAND66	1.4MHz	16QAM	132665	6RB#0	21.54	25.54	30.00	PASS
BAND66	1.4MHz	64QAM	131979	1RB#0	21.75	25.75	30.00	PASS
BAND66	1.4MHz	64QAM	131979	1RB#2	21.76	25.76	30.00	PASS
BAND66	1.4MHz	64QAM	131979	1RB#5	21.61	25.61	30.00	PASS
BAND66	1.4MHz	64QAM	131979	3RB#0	21.71	25.71	30.00	PASS
BAND66	1.4MHz	64QAM	131979	3RB#1	21.79	25.79	30.00	PASS
BAND66	1.4MHz	64QAM	131979	3RB#3	21.63	25.63	30.00	PASS
BAND66	1.4MHz	64QAM	131979	6RB#0	20.63	24.63	30.00	PASS
BAND66	1.4MHz	64QAM	132322	1RB#0	21.61	25.61	30.00	PASS
BAND66	1.4MHz	64QAM	132322	1RB#2	21.74	25.74	30.00	PASS
BAND66	1.4MHz	64QAM	132322	1RB#5	21.62	25.62	30.00	PASS
BAND66	1.4MHz	64QAM	132322	3RB#0	21.71	25.71	30.00	PASS
BAND66	1.4MHz	64QAM	132322	3RB#1	21.69	25.69	30.00	PASS
BAND66	1.4MHz	64QAM	132322	3RB#3	21.79	25.79	30.00	PASS
BAND66	1.4MHz	64QAM	132322	6RB#0	20.73	24.73	30.00	PASS
BAND66	1.4MHz	64QAM	132665	1RB#0	21.75	25.75	30.00	PASS
BAND66	1.4MHz	64QAM	132665	1RB#2	21.75	25.75	30.00	PASS
BAND66	1.4MHz	64QAM	132665	1RB#5	21.61	25.61	30.00	PASS
BAND66	1.4MHz	64QAM	132665	3RB#0	21.78	25.78	30.00	PASS
BAND66	1.4MHz	64QAM	132665	3RB#1	21.70	25.70	30.00	PASS
BAND66	1.4MHz	64QAM	132665	3RB#3	21.65	25.65	30.00	PASS
BAND66	1.4MHz	64QAM	132665	6RB#0	20.71	24.71	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#0	23.49	27.49	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#14	23.57	27.57	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#8	23.55	27.55	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#0	22.58	26.58	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#4	22.58	26.58	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#7	22.59	26.59	30.00	PASS
BAND66	3MHz	QPSK	131987	15RB#0	22.55	26.55	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#0	23.49	27.49	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#14	23.50	27.50	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#8	23.51	27.51	30.00	PASS
BAND66	3MHz	QPSK	132322	8RB#0	22.55	26.55	30.00	PASS
BAND66	3MHz	QPSK	132322	8RB#4	22.53	26.53	30.00	PASS

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Report No.: SZEM180500437001

Page: 5 of 76

BAND66	3MHz	QPSK	132322	8RB#7	22.56	26.56	30.00	PASS
BAND66	3MHz	QPSK	132322	15RB#0	22.53	26.53	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#0	23.55	27.55	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#14	23.51	27.51	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#8	23.54	27.54	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#0	22.61	26.61	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#4	22.53	26.53	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#7	22.53	26.53	30.00	PASS
BAND66	3MHz	QPSK	132657	15RB#0	22.51	26.51	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#0	22.78	26.78	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#14	22.80	26.80	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#8	22.78	26.78	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#0	21.62	25.62	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#4	21.63	25.63	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#7	21.61	25.61	30.00	PASS
BAND66	3MHz	16QAM	131987	15RB#0	21.63	25.63	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#0	22.68	26.68	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#14	22.71	26.71	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#8	22.76	26.76	30.00	PASS
BAND66	3MHz	16QAM	132322	8RB#0	21.60	25.60	30.00	PASS
BAND66	3MHz	16QAM	132322	8RB#4	21.60	25.60	30.00	PASS
BAND66	3MHz	16QAM	132322	8RB#7	21.63	25.63	30.00	PASS
BAND66	3MHz	16QAM	132322	15RB#0	21.56	25.56	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#0	22.75	26.75	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#14	22.74	26.74	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#8	22.65	26.65	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#0	21.63	25.63	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#4	21.56	25.56	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#7	21.57	25.57	30.00	PASS
BAND66	3MHz	16QAM	132657	15RB#0	21.52	25.52	30.00	PASS
BAND66	3MHz	64QAM	131987	1RB#0	21.79	25.79	30.00	PASS
BAND66	3MHz	64QAM	131987	1RB#14	21.74	25.74	30.00	PASS
BAND66	3MHz	64QAM	131987	1RB#8	21.76	25.76	30.00	PASS
BAND66	3MHz	64QAM	131987	8RB#0	20.79	24.79	30.00	PASS
BAND66	3MHz	64QAM	131987	8RB#4	20.77	24.77	30.00	PASS
BAND66	3MHz	64QAM	131987	8RB#7	20.61	24.61	30.00	PASS
BAND66	3MHz	64QAM	131987	15RB#0	20.78	24.78	30.00	PASS
BAND66	3MHz	64QAM	132322	1RB#0	21.78	25.78	30.00	PASS
BAND66	3MHz	64QAM	132322	1RB#14	21.78	25.78	30.00	PASS
BAND66	3MHz	64QAM	132322	1RB#8	21.72	25.72	30.00	PASS
BAND66	3MHz	64QAM	132322	8RB#0	20.79	24.79	30.00	PASS

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Report No.: SZEM180500437001

Page: 6 of 76

BAND66	3MHz	64QAM	132322	8RB#4	20.62	24.62	30.00	PASS
BAND66	3MHz	64QAM	132322	8RB#7	20.63	24.63	30.00	PASS
BAND66	3MHz	64QAM	132322	15RB#0	20.79	24.79	30.00	PASS
BAND66	3MHz	64QAM	132657	1RB#0	21.73	25.73	30.00	PASS
BAND66	3MHz	64QAM	132657	1RB#14	21.79	25.79	30.00	PASS
BAND66	3MHz	64QAM	132657	1RB#8	21.68	25.68	30.00	PASS
BAND66	3MHz	64QAM	132657	8RB#0	20.79	24.79	30.00	PASS
BAND66	3MHz	64QAM	132657	8RB#4	20.64	24.64	30.00	PASS
BAND66	3MHz	64QAM	132657	8RB#7	20.63	24.63	30.00	PASS
BAND66	3MHz	64QAM	132657	15RB#0	20.75	24.75	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#0	23.59	27.59	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#12	23.62	27.62	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#24	23.69	27.69	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#0	22.69	26.69	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#13	22.68	26.68	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#6	22.67	26.67	30.00	PASS
BAND66	5MHz	QPSK	131997	25RB#0	22.65	26.65	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#0	23.57	27.57	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#12	23.56	27.56	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#24	23.61	27.61	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#0	22.65	26.65	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#13	22.66	26.66	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#6	22.63	26.63	30.00	PASS
BAND66	5MHz	QPSK	132322	25RB#0	22.60	26.60	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#0	23.71	27.71	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#12	23.65	27.65	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#24	23.58	27.58	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#0	22.71	26.71	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#13	22.64	26.64	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#6	22.70	26.70	30.00	PASS
BAND66	5MHz	QPSK	132647	25RB#0	22.68	26.68	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#0	22.79	26.79	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#12	22.87	26.87	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#24	22.91	26.91	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#0	21.79	25.79	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#13	21.81	25.81	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#6	21.77	25.77	30.00	PASS
BAND66	5MHz	16QAM	131997	25RB#0	21.75	25.75	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#0	22.75	26.75	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#12	22.84	26.84	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#24	22.79	26.79	30.00	PASS

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Shenzhen Branch

Report No.: SZEM180500437001

Page: 7 of 76

BAND66	5MHz	16QAM	132322	12RB#0	21.75	25.75	30.00	PASS
BAND66	5MHz	16QAM	132322	12RB#13	21.77	25.77	30.00	PASS
BAND66	5MHz	16QAM	132322	12RB#6	21.73	25.73	30.00	PASS
BAND66	5MHz	16QAM	132322	25RB#0	21.68	25.68	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#0	22.95	26.95	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#12	22.81	26.81	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#24	22.77	26.77	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#0	21.76	25.76	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#13	21.70	25.70	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#6	21.77	25.77	30.00	PASS
BAND66	5MHz	16QAM	132647	25RB#0	21.76	25.76	30.00	PASS
BAND66	5MHz	64QAM	131997	1RB#0	21.76	25.76	30.00	PASS
BAND66	5MHz	64QAM	131997	1RB#12	21.73	25.73	30.00	PASS
BAND66	5MHz	64QAM	131997	1RB#24	21.64	25.64	30.00	PASS
BAND66	5MHz	64QAM	131997	12RB#0	20.70	24.70	30.00	PASS
BAND66	5MHz	64QAM	131997	12RB#13	20.72	24.72	30.00	PASS
BAND66	5MHz	64QAM	131997	12RB#6	20.63	24.63	30.00	PASS
BAND66	5MHz	64QAM	131997	25RB#0	20.69	24.69	30.00	PASS
BAND66	5MHz	64QAM	132322	1RB#0	21.66	25.66	30.00	PASS
BAND66	5MHz	64QAM	132322	1RB#12	21.65	25.65	30.00	PASS
BAND66	5MHz	64QAM	132322	1RB#24	21.79	25.79	30.00	PASS
BAND66	5MHz	64QAM	132322	12RB#0	20.66	24.66	30.00	PASS
BAND66	5MHz	64QAM	132322	12RB#13	20.66	24.66	30.00	PASS
BAND66	5MHz	64QAM	132322	12RB#6	20.73	24.73	30.00	PASS
BAND66	5MHz	64QAM	132322	25RB#0	20.62	24.62	30.00	PASS
BAND66	5MHz	64QAM	132647	1RB#0	21.68	25.68	30.00	PASS
BAND66	5MHz	64QAM	132647	1RB#12	21.68	25.68	30.00	PASS
BAND66	5MHz	64QAM	132647	1RB#24	21.80	25.80	30.00	PASS
BAND66	5MHz	64QAM	132647	12RB#0	20.68	24.68	30.00	PASS
BAND66	5MHz	64QAM	132647	12RB#13	20.73	24.73	30.00	PASS
BAND66	5MHz	64QAM	132647	12RB#6	20.66	24.66	30.00	PASS
BAND66	5MHz	64QAM	132647	25RB#0	20.72	24.72	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#0	23.63	27.63	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#24	23.70	27.70	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#49	23.66	27.66	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#0	22.59	26.59	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#12	22.61	26.61	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#25	22.62	26.62	30.00	PASS
BAND66	10MHz	QPSK	132022	50RB#0	22.61	26.61	30.00	PASS
BAND66	10MHz	QPSK	132322	1RB#0	23.62	27.62	30.00	PASS
BAND66	10MHz	QPSK	132322	1RB#24	23.60	27.60	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 8 of 76

BAND66	10MHz	QPSK	132322	1RB#49	23.74	27.74	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#0	22.53	26.53	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#12	22.55	26.55	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#25	22.59	26.59	30.00	PASS
BAND66	10MHz	QPSK	132322	50RB#0	22.54	26.54	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#0	23.73	27.73	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#24	23.74	27.74	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#49	23.66	27.66	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#0	22.73	26.73	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#12	22.67	26.67	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#25	22.64	26.64	30.00	PASS
BAND66	10MHz	QPSK	132622	50RB#0	22.66	26.66	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#0	22.93	26.93	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#24	22.95	26.95	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#49	22.93	26.93	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#0	21.72	25.72	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#12	21.68	25.68	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#25	21.69	25.69	30.00	PASS
BAND66	10MHz	16QAM	132022	50RB#0	21.63	25.63	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#0	22.83	26.83	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#24	22.85	26.85	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#49	22.87	26.87	30.00	PASS
BAND66	10MHz	16QAM	132322	25RB#0	21.61	25.61	30.00	PASS
BAND66	10MHz	16QAM	132322	25RB#12	21.61	25.61	30.00	PASS
BAND66	10MHz	16QAM	132322	25RB#25	21.65	25.65	30.00	PASS
BAND66	10MHz	16QAM	132322	50RB#0	21.59	25.59	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#0	22.82	26.82	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#24	22.86	26.86	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#49	22.83	26.83	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#0	21.74	25.74	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#12	21.74	25.74	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#25	21.70	25.70	30.00	PASS
BAND66	10MHz	16QAM	132622	50RB#0	21.70	25.70	30.00	PASS
BAND66	10MHz	64QAM	132022	1RB#0	21.60	25.60	30.00	PASS
BAND66	10MHz	64QAM	132022	1RB#24	21.71	25.71	30.00	PASS
BAND66	10MHz	64QAM	132022	1RB#49	21.78	25.78	30.00	PASS
BAND66	10MHz	64QAM	132022	25RB#0	20.67	24.67	30.00	PASS
BAND66	10MHz	64QAM	132022	25RB#12	20.77	24.77	30.00	PASS
BAND66	10MHz	64QAM	132022	25RB#25	20.78	24.78	30.00	PASS
BAND66	10MHz	64QAM	132022	50RB#0	20.79	24.79	30.00	PASS
BAND66	10MHz	64QAM	132322	1RB#0	21.72	25.72	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 9 of 76

BAND66	10MHz	64QAM	132322	1RB#24	21.70	25.70	30.00	PASS
BAND66	10MHz	64QAM	132322	1RB#49	21.70	25.70	30.00	PASS
BAND66	10MHz	64QAM	132322	25RB#0	20.73	24.73	30.00	PASS
BAND66	10MHz	64QAM	132322	25RB#12	20.67	24.67	30.00	PASS
BAND66	10MHz	64QAM	132322	25RB#25	20.74	24.74	30.00	PASS
BAND66	10MHz	64QAM	132322	50RB#0	20.70	24.70	30.00	PASS
BAND66	10MHz	64QAM	132622	1RB#0	21.78	25.78	30.00	PASS
BAND66	10MHz	64QAM	132622	1RB#24	21.73	25.73	30.00	PASS
BAND66	10MHz	64QAM	132622	1RB#49	21.74	25.74	30.00	PASS
BAND66	10MHz	64QAM	132622	25RB#0	20.75	24.75	30.00	PASS
BAND66	10MHz	64QAM	132622	25RB#12	20.68	24.68	30.00	PASS
BAND66	10MHz	64QAM	132622	25RB#25	20.74	24.74	30.00	PASS
BAND66	10MHz	64QAM	132622	50RB#0	20.70	24.70	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#0	23.64	27.64	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#38	23.72	27.72	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#74	23.63	27.63	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#0	22.59	26.59	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#18	22.62	26.62	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#39	22.52	26.52	30.00	PASS
BAND66	15MHz	QPSK	132047	75RB#0	22.63	26.63	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#0	23.63	27.63	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#38	23.62	27.62	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#74	23.80	27.80	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#0	22.59	26.59	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#18	22.57	26.57	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#39	22.62	26.62	30.00	PASS
BAND66	15MHz	QPSK	132322	75RB#0	22.60	26.60	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#0	23.62	27.62	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#38	23.80	27.80	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#74	23.69	27.69	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#0	22.63	26.63	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#18	22.72	26.72	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#39	22.62	26.62	30.00	PASS
BAND66	15MHz	QPSK	132597	75RB#0	22.77	26.77	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#0	22.90	26.90	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#38	22.91	26.91	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#74	22.79	26.79	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#0	21.68	25.68	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#18	21.70	25.70	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#39	21.61	25.61	30.00	PASS
BAND66	15MHz	16QAM	132047	75RB#0	21.69	25.69	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 10 of 76

BAND66	15MHz	16QAM	132322	1RB#0	22.74	26.74	30.00	PASS
BAND66	15MHz	16QAM	132322	1RB#38	22.77	26.77	30.00	PASS
BAND66	15MHz	16QAM	132322	1RB#74	22.97	26.97	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#0	21.64	25.64	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#18	21.62	25.62	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#39	21.66	25.66	30.00	PASS
BAND66	15MHz	16QAM	132322	75RB#0	21.62	25.62	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#0	22.82	26.82	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#38	22.96	26.96	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#74	22.89	26.89	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#0	21.66	25.66	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#18	21.76	25.76	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#39	21.66	25.66	30.00	PASS
BAND66	15MHz	16QAM	132597	75RB#0	21.74	25.74	30.00	PASS
BAND66	15MHz	64QAM	132047	1RB#0	21.79	25.79	30.00	PASS
BAND66	15MHz	64QAM	132047	1RB#38	21.67	25.67	30.00	PASS
BAND66	15MHz	64QAM	132047	1RB#74	21.69	25.69	30.00	PASS
BAND66	15MHz	64QAM	132047	36RB#0	20.70	24.70	30.00	PASS
BAND66	15MHz	64QAM	132047	36RB#18	20.75	24.75	30.00	PASS
BAND66	15MHz	64QAM	132047	36RB#39	20.61	24.61	30.00	PASS
BAND66	15MHz	64QAM	132047	75RB#0	20.72	24.72	30.00	PASS
BAND66	15MHz	64QAM	132322	1RB#0	21.71	25.71	30.00	PASS
BAND66	15MHz	64QAM	132322	1RB#38	21.80	25.80	30.00	PASS
BAND66	15MHz	64QAM	132322	1RB#74	21.66	25.66	30.00	PASS
BAND66	15MHz	64QAM	132322	36RB#0	20.73	24.73	30.00	PASS
BAND66	15MHz	64QAM	132322	36RB#18	20.65	24.65	30.00	PASS
BAND66	15MHz	64QAM	132322	36RB#39	20.63	24.63	30.00	PASS
BAND66	15MHz	64QAM	132322	75RB#0	20.73	24.73	30.00	PASS
BAND66	15MHz	64QAM	132597	1RB#0	21.70	25.70	30.00	PASS
BAND66	15MHz	64QAM	132597	1RB#38	21.79	25.79	30.00	PASS
BAND66	15MHz	64QAM	132597	1RB#74	21.73	25.73	30.00	PASS
BAND66	15MHz	64QAM	132597	36RB#0	20.67	24.67	30.00	PASS
BAND66	15MHz	64QAM	132597	36RB#18	20.72	24.72	30.00	PASS
BAND66	15MHz	64QAM	132597	36RB#39	20.75	24.75	30.00	PASS
BAND66	15MHz	64QAM	132597	75RB#0	20.68	24.68	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#0	23.74	27.74	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#49	23.66	27.66	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#99	23.63	27.63	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#0	22.71	26.71	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#25	22.59	26.59	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#50	22.61	26.61	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 11 of 76

BAND66	20MHz	QPSK	132072	100RB#0	22.63	26.63	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#0	23.71	27.71	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#49	23.66	27.66	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#99	23.83	27.83	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#0	22.63	26.63	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#25	22.60	26.60	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#50	22.69	26.69	30.00	PASS
BAND66	20MHz	QPSK	132322	100RB#0	22.65	26.65	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#0	23.73	27.73	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#49	23.73	27.73	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#99	23.75	27.75	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#0	22.62	26.62	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#25	22.65	26.65	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#50	22.69	26.69	30.00	PASS
BAND66	20MHz	QPSK	132572	100RB#0	22.75	26.75	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#0	22.88	26.88	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#49	22.91	26.91	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#99	22.75	26.75	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#0	21.71	25.71	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#25	21.61	25.61	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#50	21.63	25.63	30.00	PASS
BAND66	20MHz	16QAM	132072	100RB#0	21.63	25.63	30.00	PASS
BAND66	20MHz	16QAM	132322	1RB#0	22.74	26.74	30.00	PASS
BAND66	20MHz	16QAM	132322	1RB#49	22.83	26.83	30.00	PASS
BAND66	20MHz	16QAM	132322	1RB#99	22.84	26.84	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#0	21.68	25.68	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#25	21.64	25.64	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#50	21.71	25.71	30.00	PASS
BAND66	20MHz	16QAM	132322	100RB#0	21.66	25.66	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#0	22.92	26.92	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#49	22.88	26.88	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#99	22.89	26.89	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#0	21.67	25.67	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#25	21.71	25.71	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#50	21.74	25.74	30.00	PASS
BAND66	20MHz	16QAM	132572	100RB#0	21.74	25.74	30.00	PASS
BAND66	20MHz	64QAM	132072	1RB#0	21.77	25.77	30.00	PASS
BAND66	20MHz	64QAM	132072	1RB#49	21.79	25.79	30.00	PASS
BAND66	20MHz	64QAM	132072	1RB#99	21.61	25.61	30.00	PASS
BAND66	20MHz	64QAM	132072	50RB#0	20.71	24.71	30.00	PASS
BAND66	20MHz	64QAM	132072	50RB#25	20.62	24.62	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 12 of 76

BAND66	20MHz	64QAM	132072	50RB#50	20.74	24.74	30.00	PASS
BAND66	20MHz	64QAM	132072	100RB#0	20.62	24.62	30.00	PASS
BAND66	20MHz	64QAM	132322	1RB#0	21.74	25.74	30.00	PASS
BAND66	20MHz	64QAM	132322	1RB#49	21.65	25.65	30.00	PASS
BAND66	20MHz	64QAM	132322	1RB#99	21.74	25.74	30.00	PASS
BAND66	20MHz	64QAM	132322	50RB#0	20.75	24.75	30.00	PASS
BAND66	20MHz	64QAM	132322	50RB#25	20.76	24.76	30.00	PASS
BAND66	20MHz	64QAM	132322	50RB#50	20.66	24.66	30.00	PASS
BAND66	20MHz	64QAM	132322	100RB#0	20.63	24.63	30.00	PASS
BAND66	20MHz	64QAM	132572	1RB#0	21.79	25.79	30.00	PASS
BAND66	20MHz	64QAM	132572	1RB#49	21.61	25.61	30.00	PASS
BAND66	20MHz	64QAM	132572	1RB#99	21.75	25.75	30.00	PASS
BAND66	20MHz	64QAM	132572	50RB#0	20.71	24.71	30.00	PASS
BAND66	20MHz	64QAM	132572	50RB#25	20.76	24.76	30.00	PASS
BAND66	20MHz	64QAM	132572	50RB#50	20.67	24.67	30.00	PASS
BAND66	20MHz	64QAM	132572	100RB#0	20.76	24.76	30.00	PASS

Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level

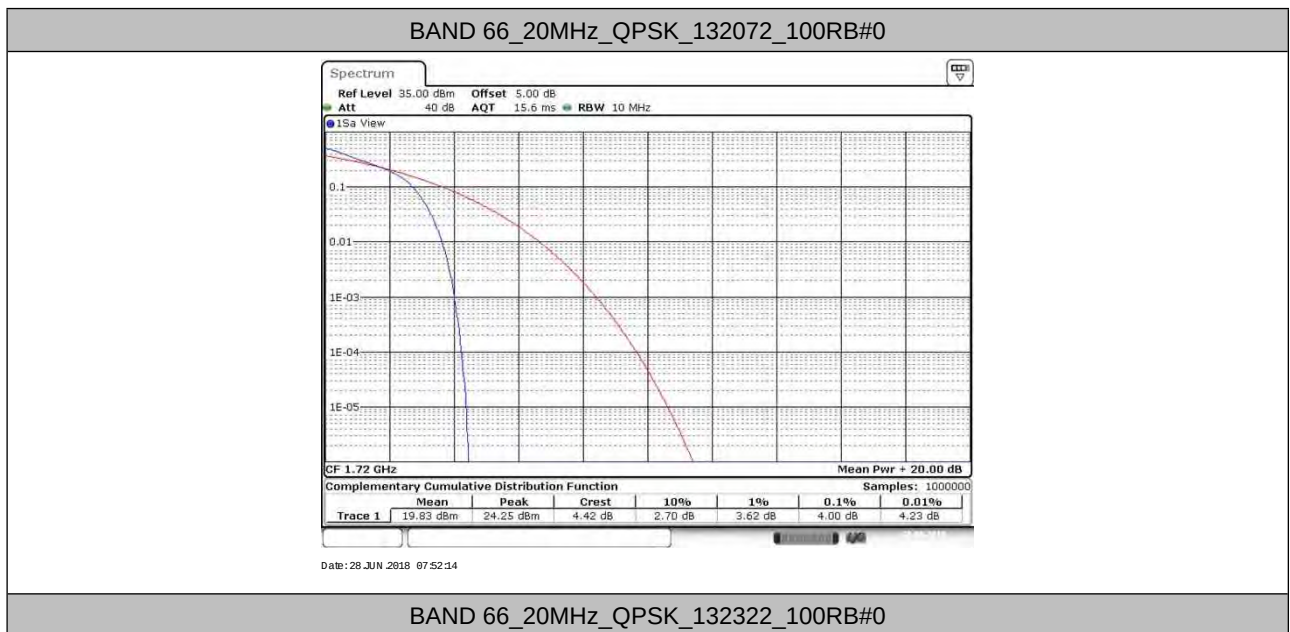


2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND 66	20MHz	QPSK	132072	100RB#0	4.00	13	PASS
			132322	100RB#0	4.09	13	PASS
			132572	100RB#0	4.06	13	PASS
		16QAM	132072	100RB#0	5.77	13	PASS
			132322	100RB#0	5.71	13	PASS
			132572	100RB#0	5.62	13	PASS
		64QAM	132072	100RB#0	6.17	13	PASS
			132322	100RB#0	6.14	13	PASS
			132572	100RB#0	6.03	13	PASS

2.2. Test Plots

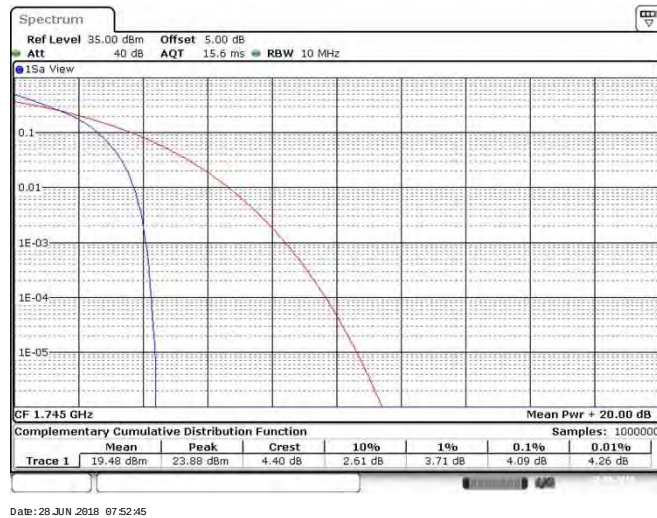




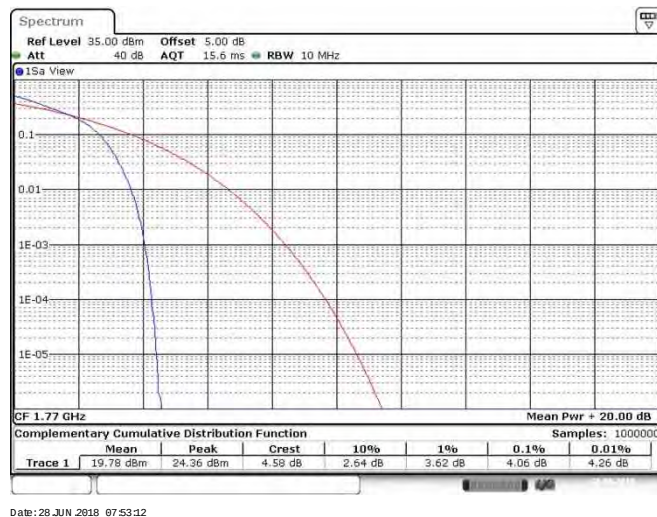
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 14 of 76



BAND 66_20MHz_QPSK_132572_100RB#0



BAND 66_20MHz_16QAM_132072_100RB#0



BAND 66_20MHz_16QAM_132322_100RB#0

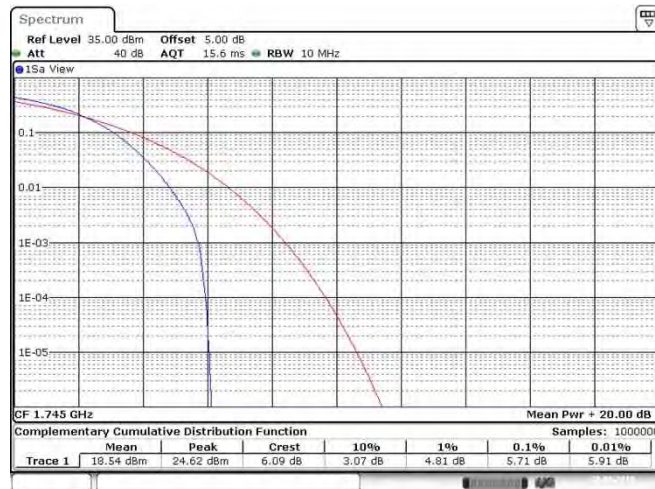
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 15 of 76



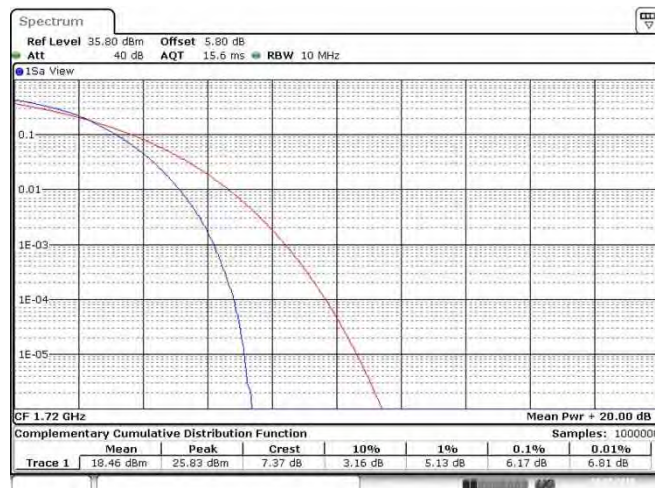
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BAND 66_20MHz_16QAM_132572_100RB#0



Date: 28 JUN 2018 07:53:29

BAND 66_20MHz_64QAM_132072_100RB#0



Date: 2 JUL 2018 16:04:13

BAND 66_20MHz_64QAM_132322_100RB#0

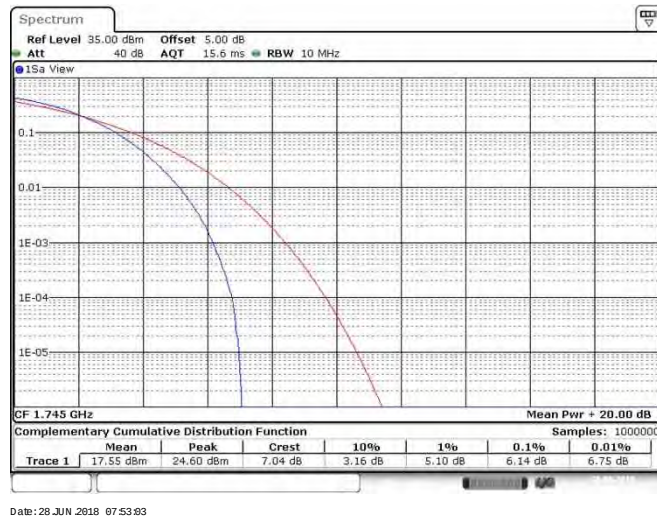
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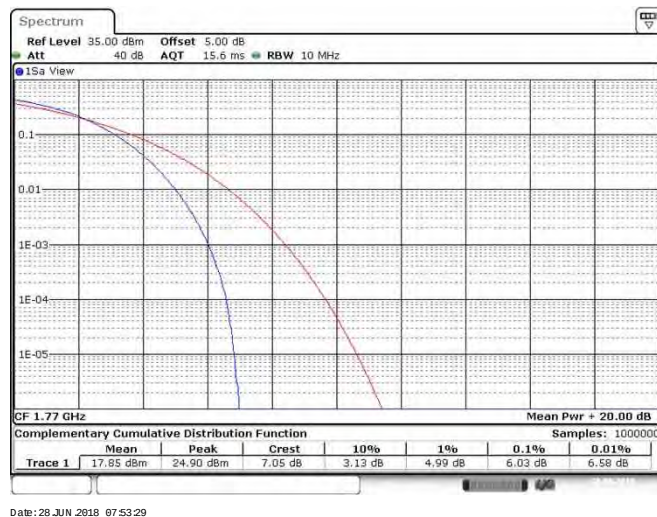
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 16 of 76



BAND 66_20MHz_64QAM_132572_100RB#0

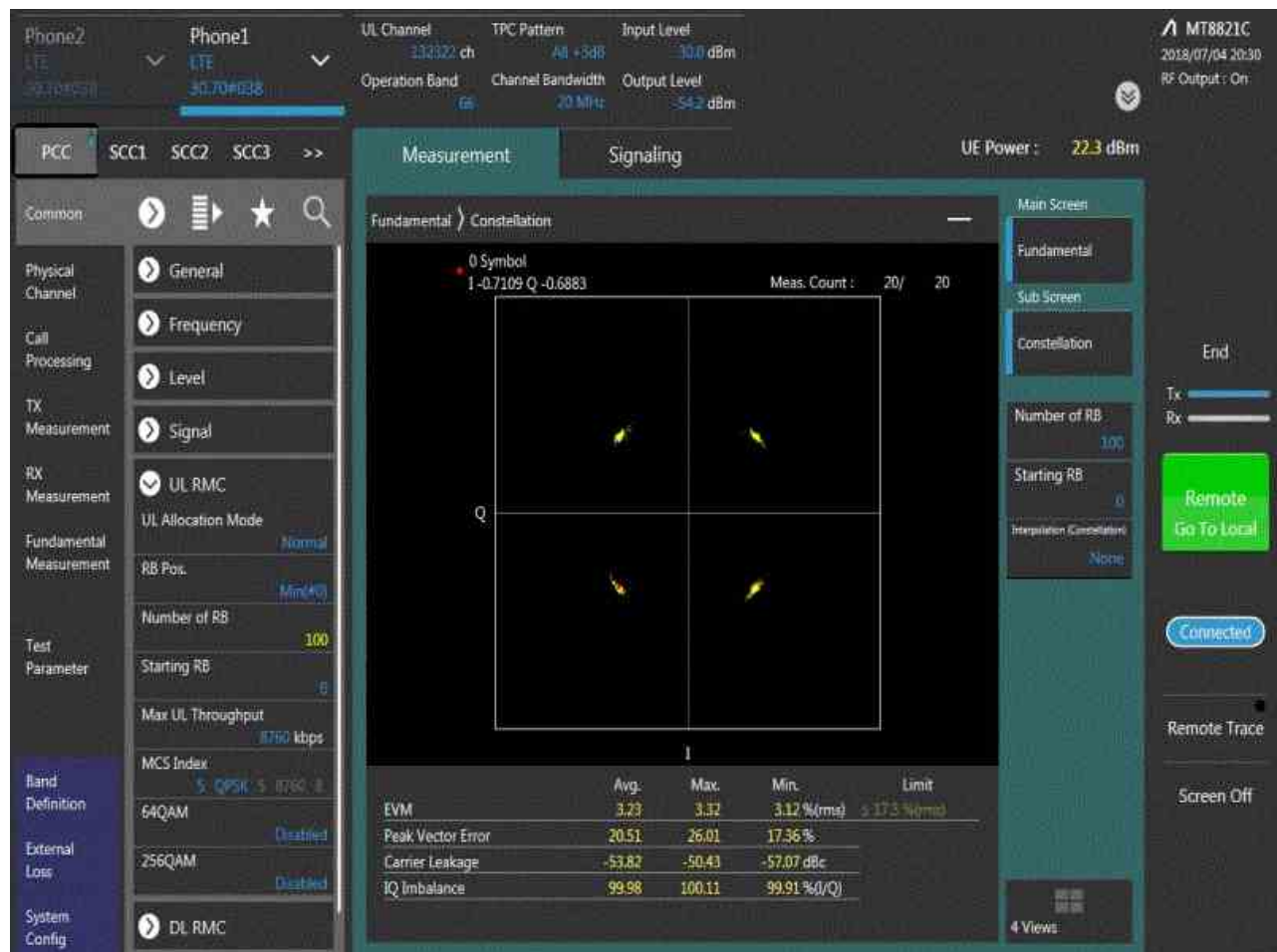


3. Modulation Characteristics

3.1. Test BAND = LTE BAND 66

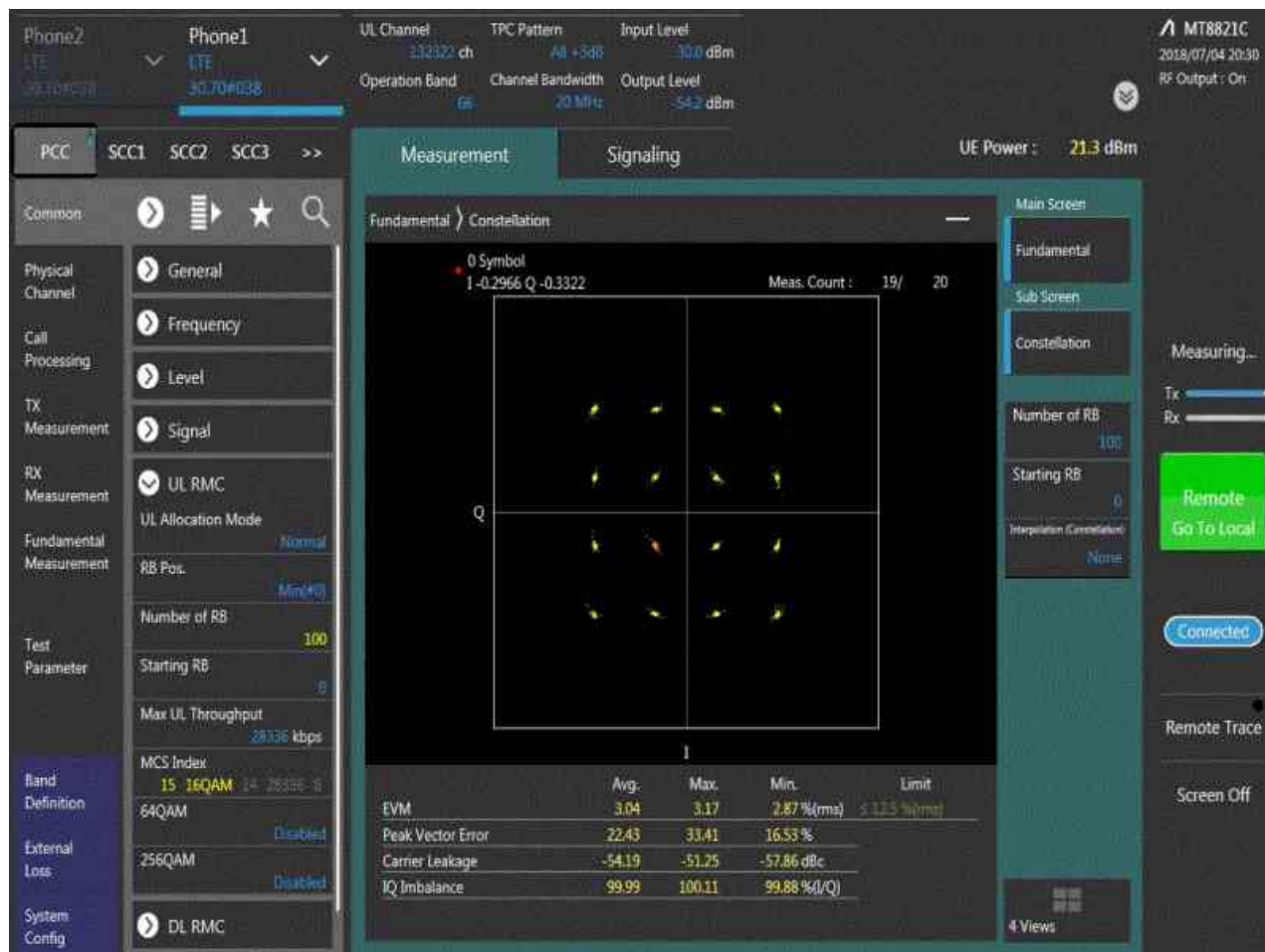
3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



3.1.2. Test Mode = LTE /TM2 20MHz

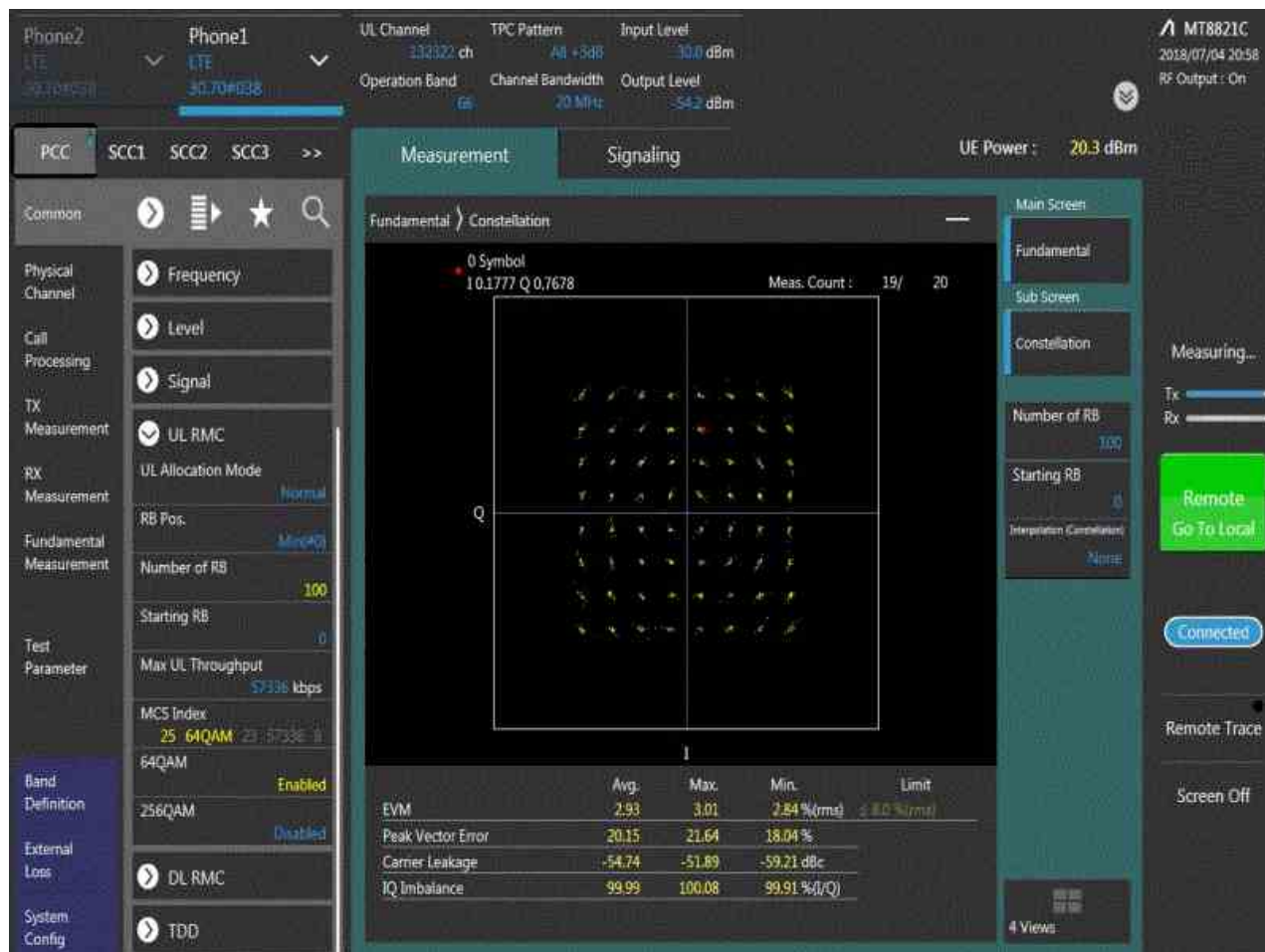
3.1.2.1. Test Channel = MCH





3.1.1. Test Mode = LTE /TM3 20MHz

3.1.1.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND66	1.4MHz	QPSK	131979	6RB#0	1.106	1.254	PASS
BAND66	1.4MHz	QPSK	132322	6RB#0	1.1	1.263	PASS
BAND66	1.4MHz	QPSK	132665	6RB#0	1.103	1.254	PASS
BAND66	1.4MHz	64QAM	131979	6RB#0	1.1	1.254	PASS
BAND66	1.4MHz	64QAM	132322	6RB#0	1.1	1.254	PASS
BAND66	1.4MHz	64QAM	132665	6RB#0	1.103	1.254	PASS
BAND66	1.4MHz	16QAM	131979	6RB#0	1.097	1.254	PASS
BAND66	1.4MHz	16QAM	132322	6RB#0	1.106	1.257	PASS
BAND66	1.4MHz	16QAM	132665	6RB#0	1.103	1.254	PASS
BAND66	3MHz	QPSK	131987	15RB#0	2.715	2.988	PASS
BAND66	3MHz	QPSK	132322	15RB#0	2.703	2.988	PASS
BAND66	3MHz	QPSK	132657	15RB#0	2.703	2.994	PASS
BAND66	3MHz	64QAM	131987	15RB#0	2.709	3.018	PASS
BAND66	3MHz	64QAM	132322	15RB#0	2.703	2.994	PASS
BAND66	3MHz	64QAM	132657	15RB#0	2.703	2.988	PASS
BAND66	3MHz	16QAM	131987	15RB#0	2.709	2.994	PASS
BAND66	3MHz	16QAM	132322	15RB#0	2.715	3.006	PASS
BAND66	3MHz	16QAM	132657	15RB#0	2.703	3.006	PASS
BAND66	5MHz	QPSK	131997	25RB#0	4.476	4.900	PASS
BAND66	5MHz	QPSK	132322	25RB#0	4.496	4.910	PASS
BAND66	5MHz	QPSK	132647	25RB#0	4.486	4.920	PASS
BAND66	5MHz	64QAM	131997	25RB#0	4.486	4.890	PASS
BAND66	5MHz	64QAM	132322	25RB#0	4.476	4.910	PASS
BAND66	5MHz	64QAM	132647	25RB#0	4.496	4.940	PASS
BAND66	5MHz	16QAM	131997	25RB#0	4.486	4.920	PASS
BAND66	5MHz	16QAM	132322	25RB#0	4.476	4.930	PASS
BAND66	5MHz	16QAM	132647	25RB#0	4.476	4.950	PASS
BAND66	10MHz	QPSK	132022	50RB#0	8.991	10.320	PASS
BAND66	10MHz	QPSK	132322	50RB#0	8.971	10.360	PASS
BAND66	10MHz	QPSK	132622	50RB#0	8.971	10.280	PASS
BAND66	10MHz	64QAM	132022	50RB#0	8.951	10.280	PASS
BAND66	10MHz	64QAM	132322	50RB#0	8.971	10.360	PASS
BAND66	10MHz	64QAM	132622	50RB#0	8.971	10.340	PASS



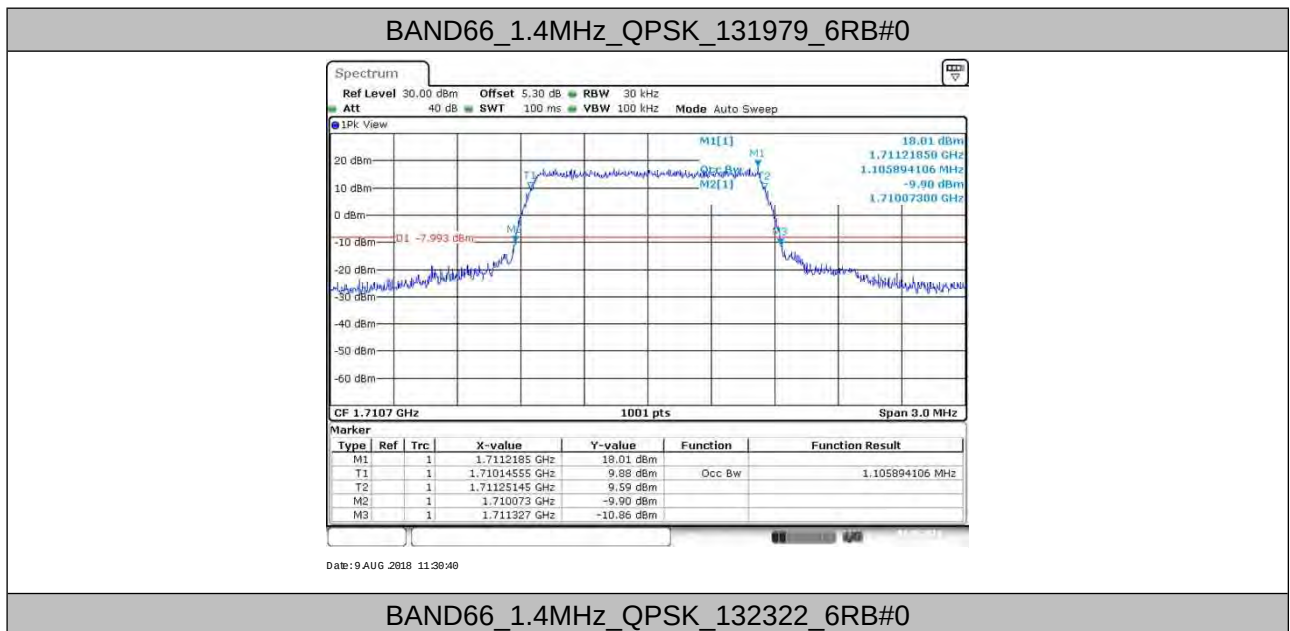
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Report No.: SZEM180500437001

Page: 21 of 76

BAND66	10MHz	16QAM	132022	50RB#0	8.971	10.320	PASS
BAND66	10MHz	16QAM	132322	50RB#0	8.971	10.460	PASS
BAND66	10MHz	16QAM	132622	50RB#0	8.971	10.380	PASS
BAND66	15MHz	QPSK	132047	75RB#0	13.516	15.690	PASS
BAND66	15MHz	QPSK	132322	75RB#0	13.576	16.050	PASS
BAND66	15MHz	QPSK	132597	75RB#0	13.576	15.960	PASS
BAND66	15MHz	64QAM	132047	75RB#0	13.546	15.660	PASS
BAND66	15MHz	64QAM	132322	75RB#0	13.606	16.110	PASS
BAND66	15MHz	64QAM	132597	75RB#0	13.576	15.720	PASS
BAND66	15MHz	16QAM	132047	75RB#0	13.546	15.570	PASS
BAND66	15MHz	16QAM	132322	75RB#0	13.606	15.810	PASS
BAND66	15MHz	16QAM	132597	75RB#0	13.576	15.840	PASS
BAND66	20MHz	QPSK	132072	100RB#0	17.862	19.840	PASS
BAND66	20MHz	QPSK	132322	100RB#0	18.022	20.080	PASS
BAND66	20MHz	QPSK	132572	100RB#0	17.902	19.800	PASS
BAND66	20MHz	64QAM	132072	100RB#0	17.862	20.000	PASS
BAND66	20MHz	64QAM	132322	100RB#0	17.982	20.160	PASS
BAND66	20MHz	64QAM	132572	100RB#0	17.942	19.960	PASS
BAND66	20MHz	16QAM	132072	100RB#0	17.862	19.760	PASS
BAND66	20MHz	16QAM	132322	100RB#0	18.022	21.320	PASS
BAND66	20MHz	16QAM	132572	100RB#0	17.902	20.080	PASS

4.2. Test Plots

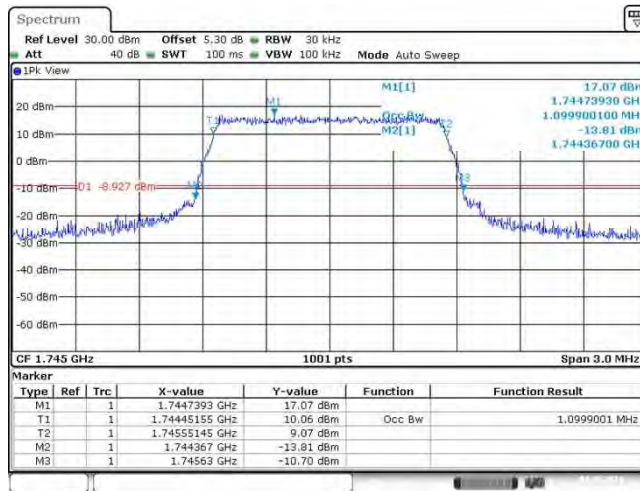




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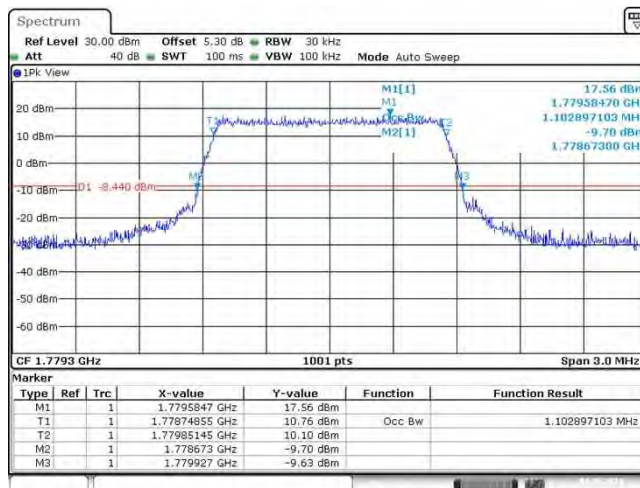
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Page: 22 of 76



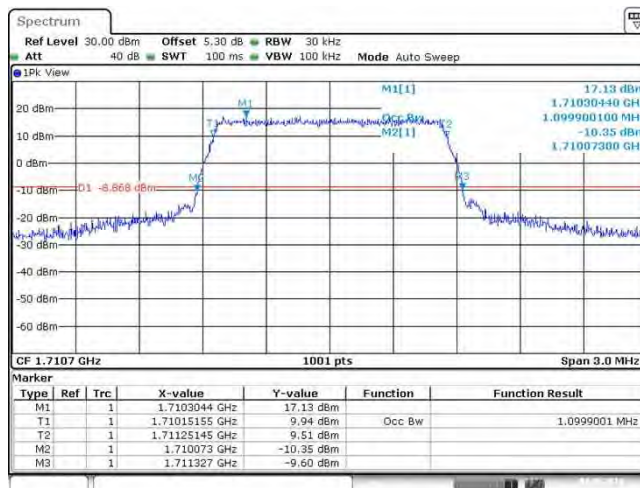
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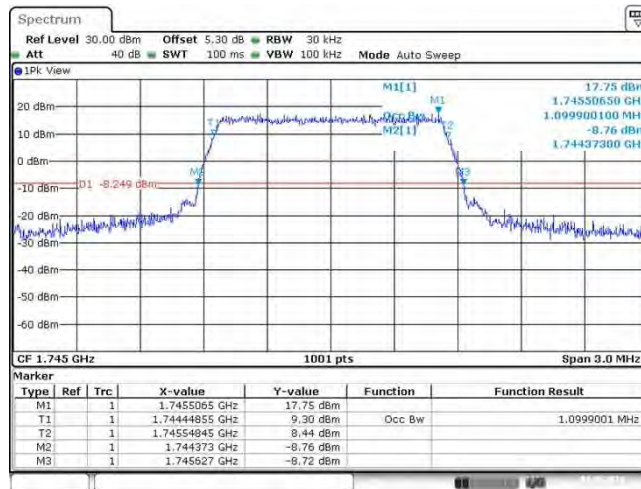
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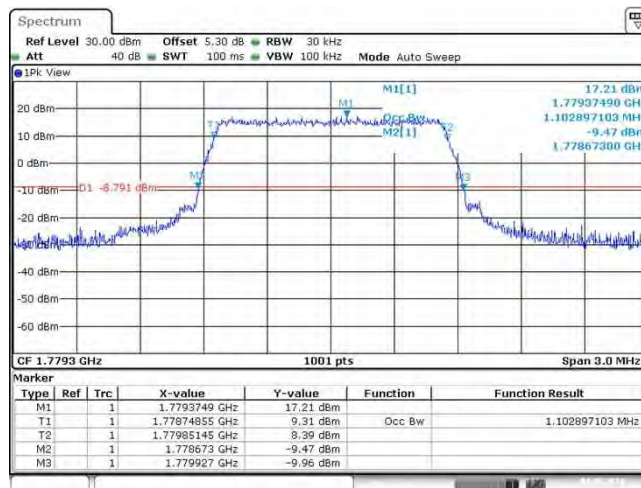
Report No.: SZEM180500437001

Page: 23 of 76



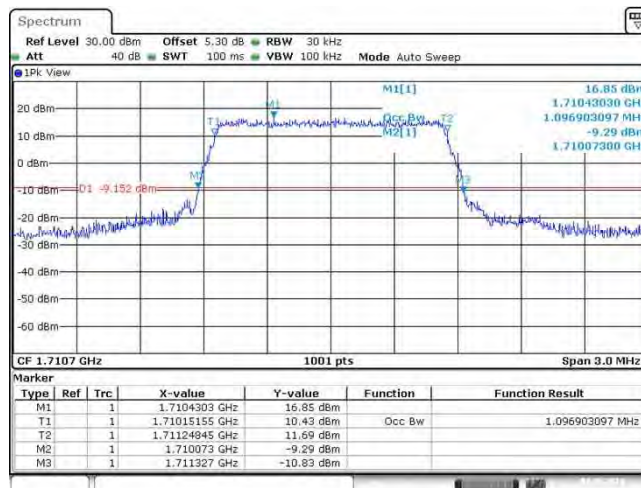
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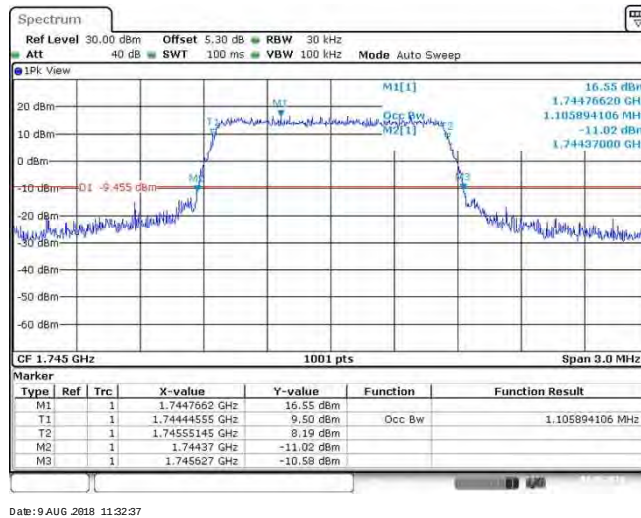
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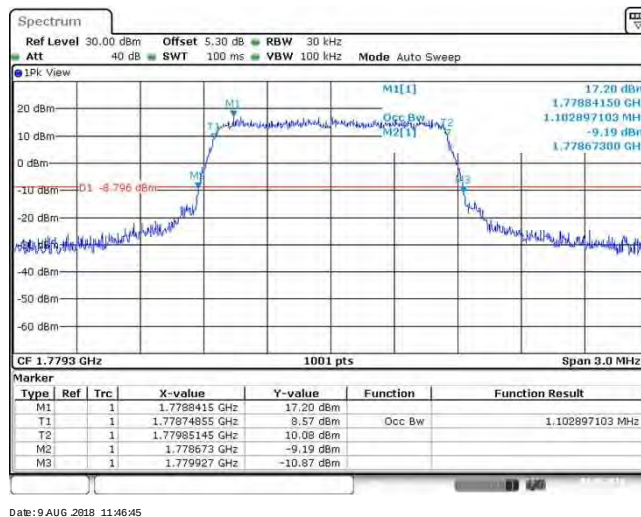
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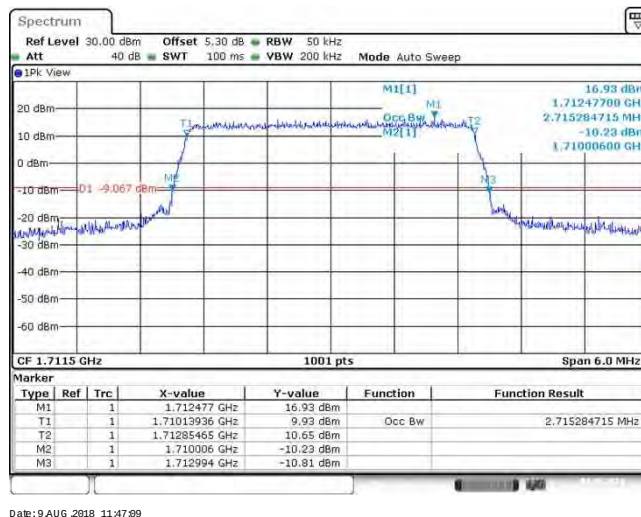
Page: 24 of 76



BAND66_1.4MHz_16QAM_132665_6RB#0



BAND66_3MHz_QPSK_131987_15RB#0



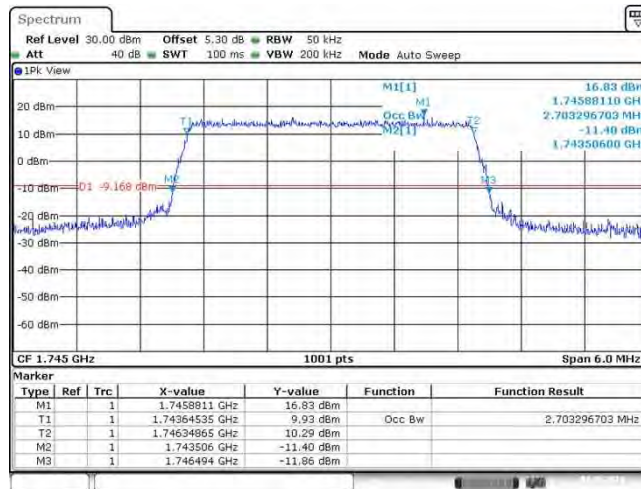
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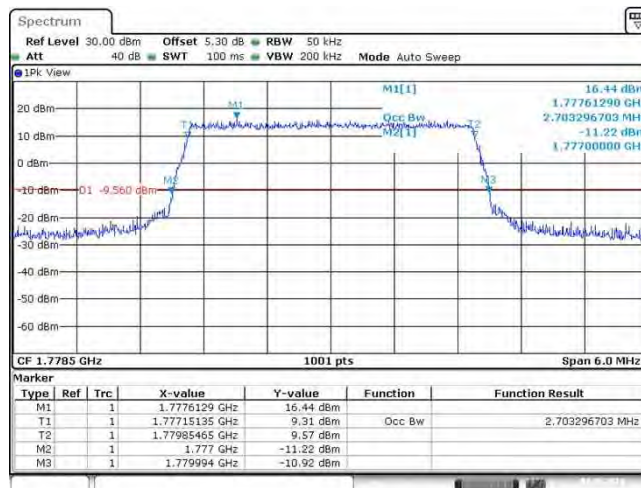
Report No.: SZEM180500437001

Page: 25 of 76



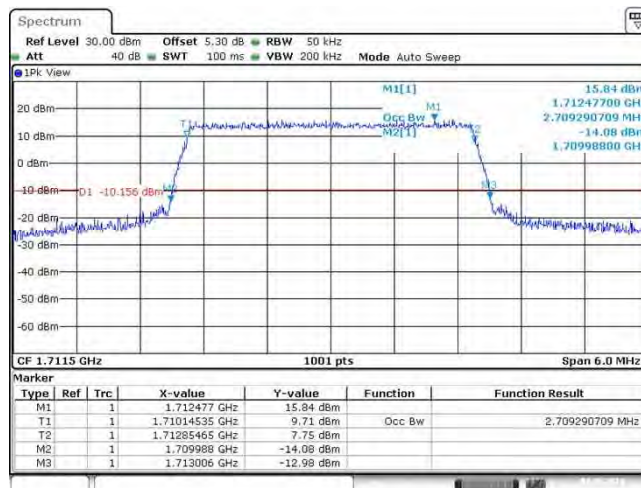
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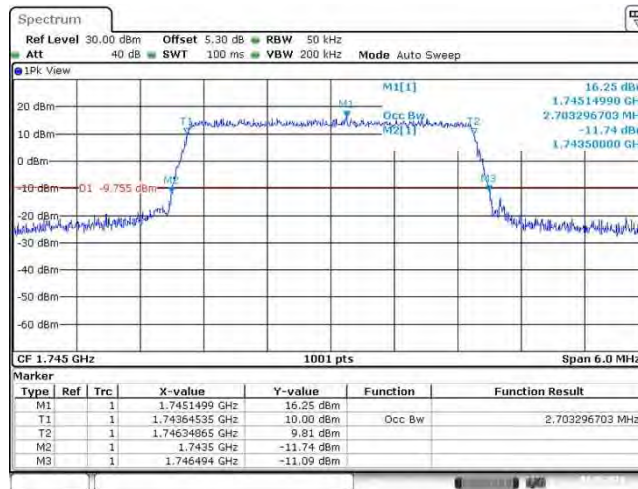
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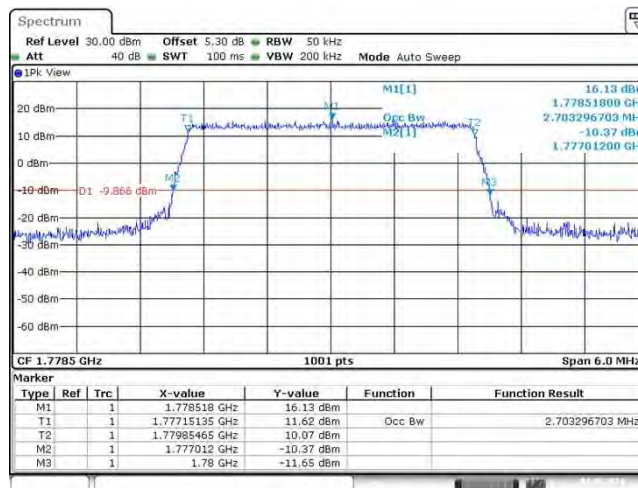
Report No.: SZEM180500437001

Page: 26 of 76



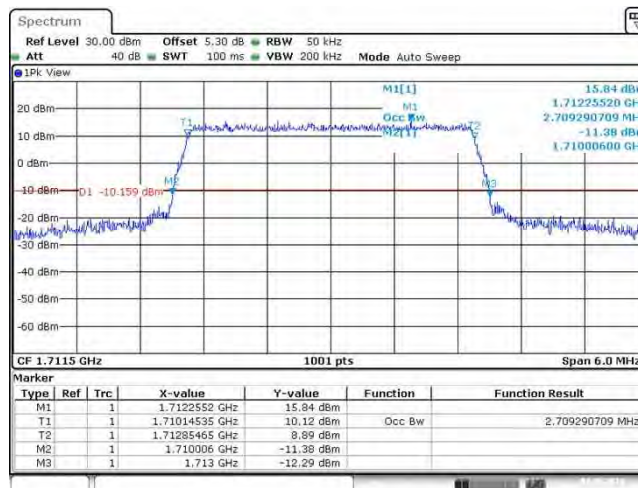
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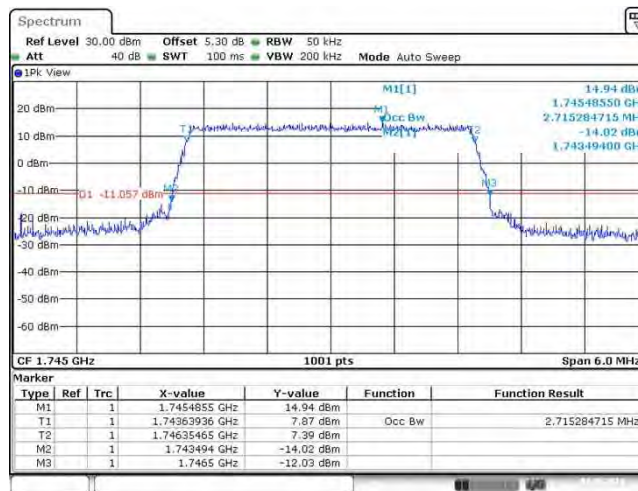
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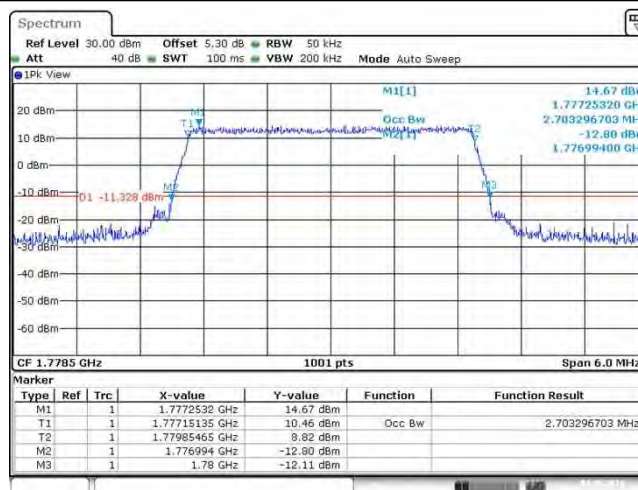
Report No.: SZEM180500437001

Page: 27 of 76



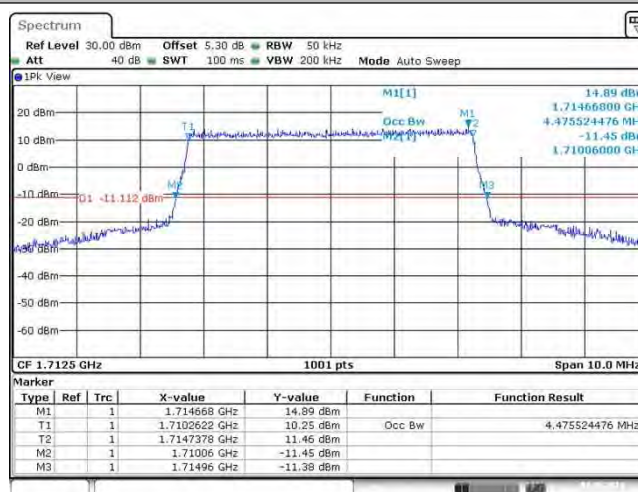
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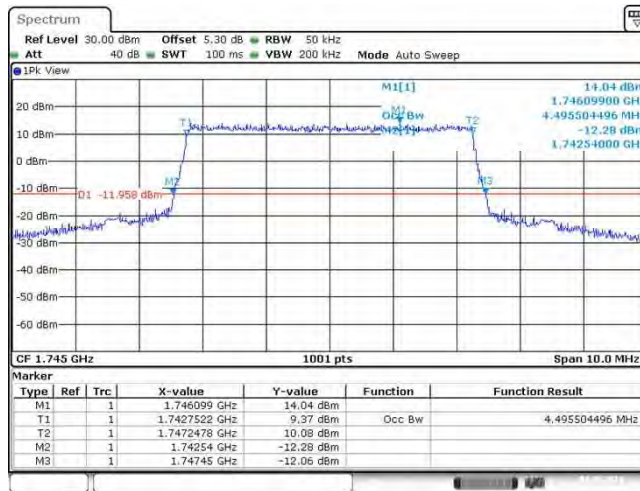
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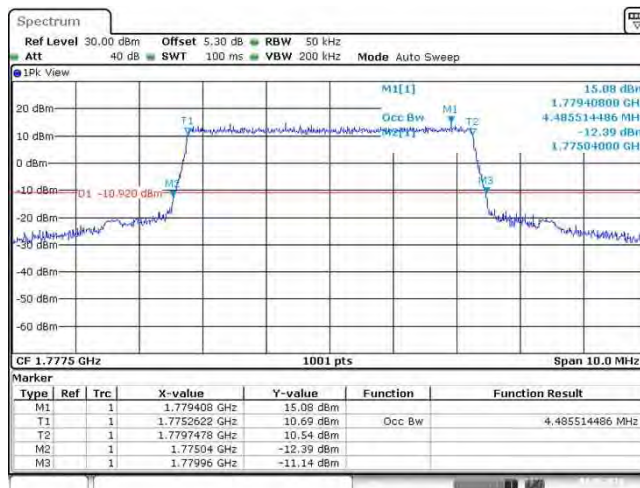
Report No.: SZEM180500437001

Page: 28 of 76



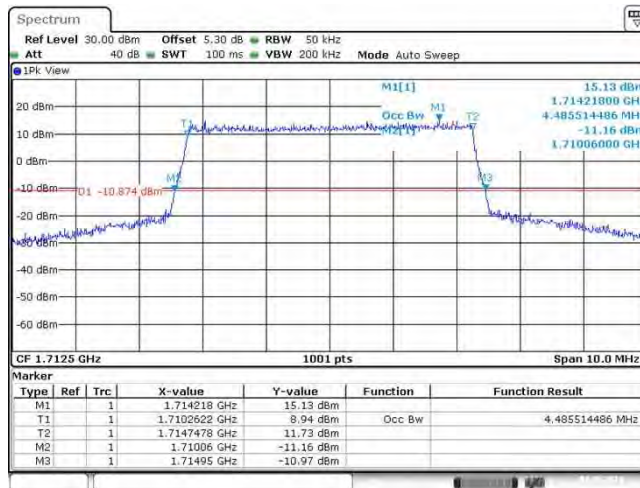
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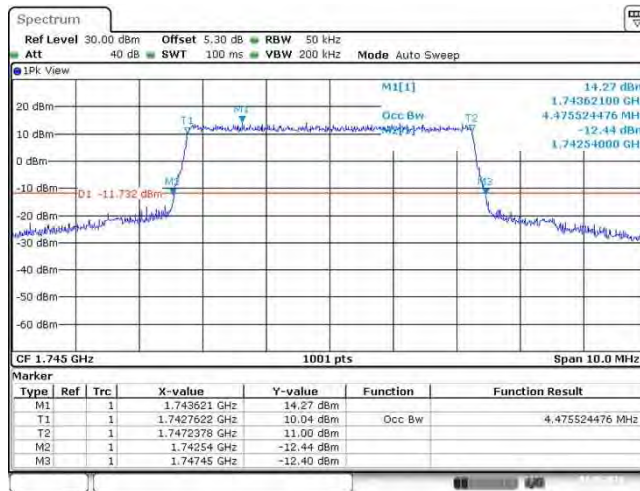
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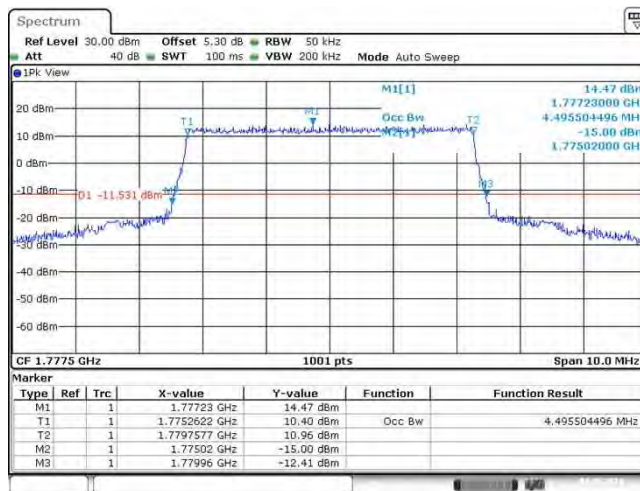
Report No.: SZEM180500437001

Page: 29 of 76



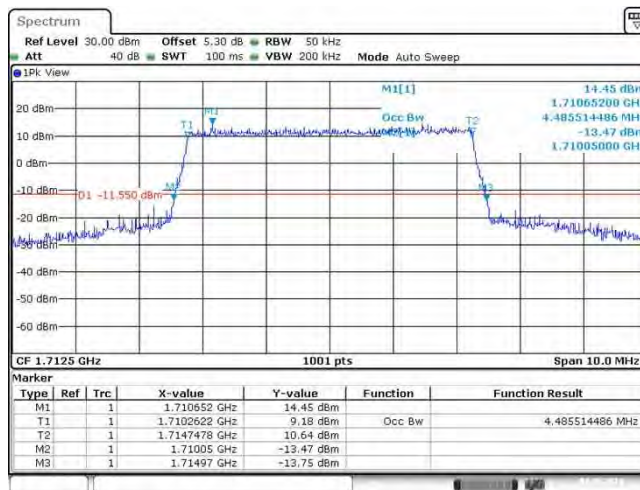
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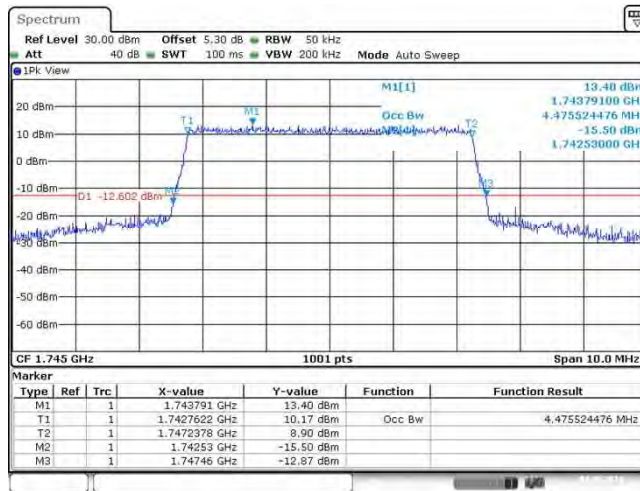
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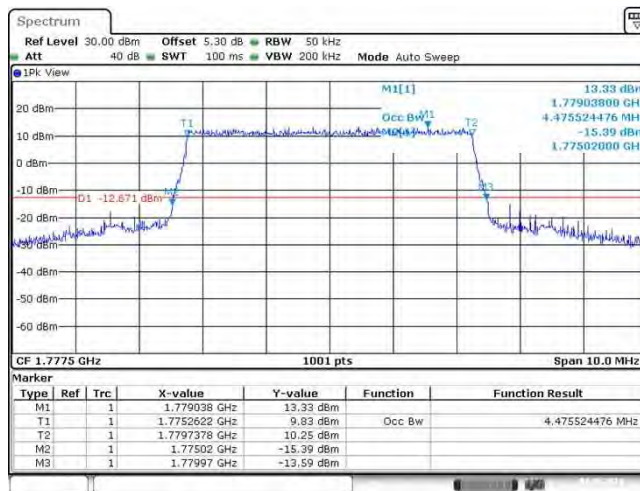
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Report No.: SZEM180500437001

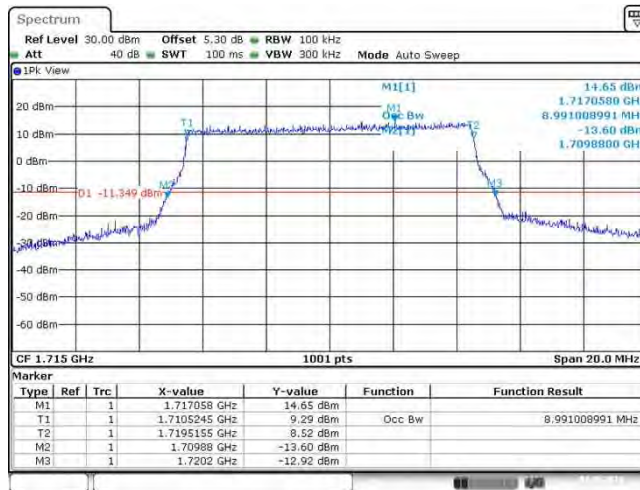
Page: 30 of 76



BAND66_5MHz_16QAM_132647_25RB#0



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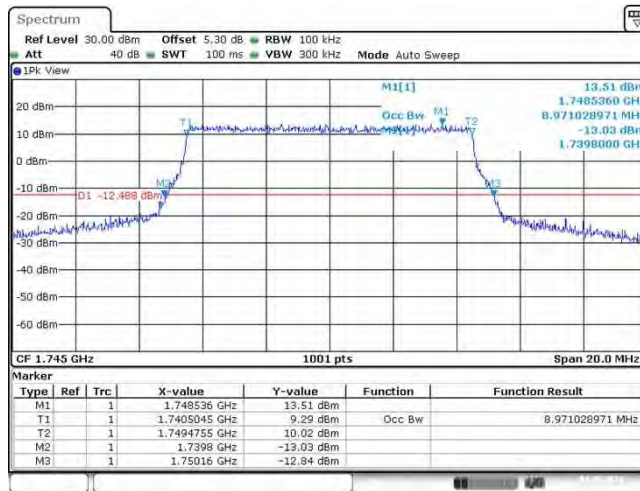
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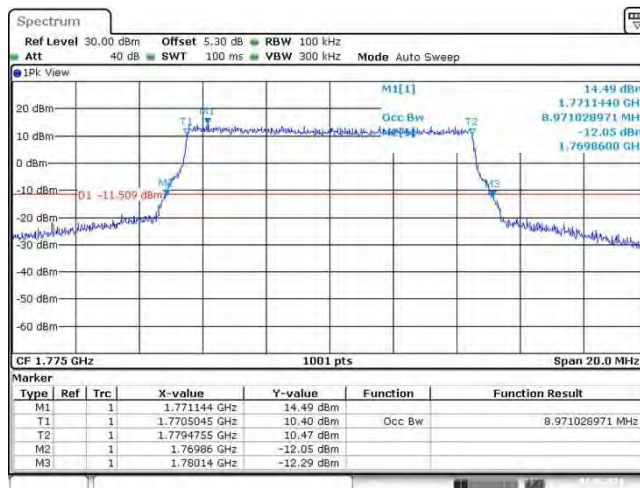
Report No.: SZEM180500437001

Page: 31 of 76



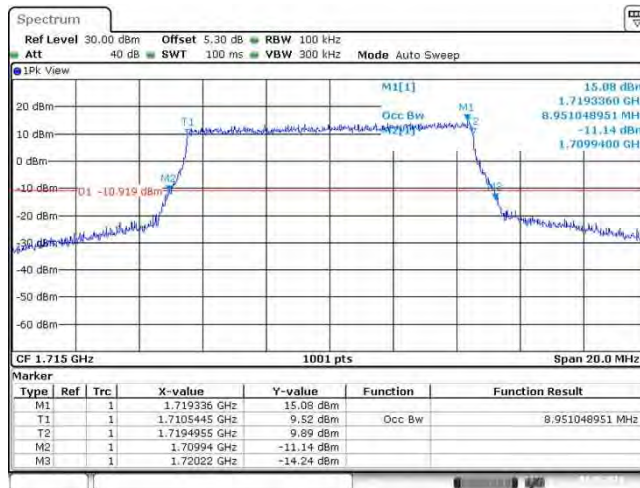
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Date: 9 AUG 2018 12:13:49

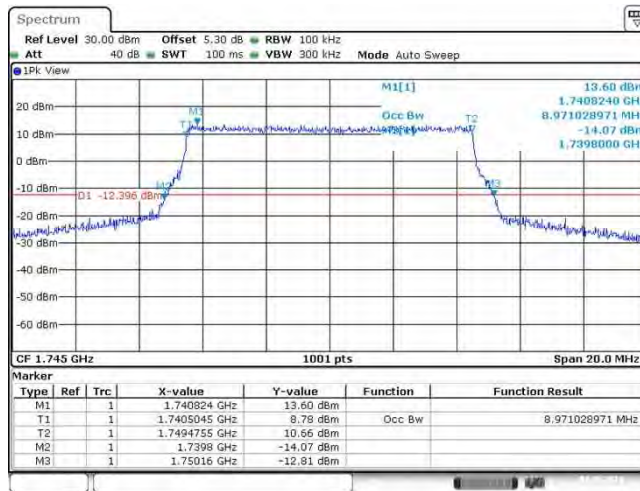
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

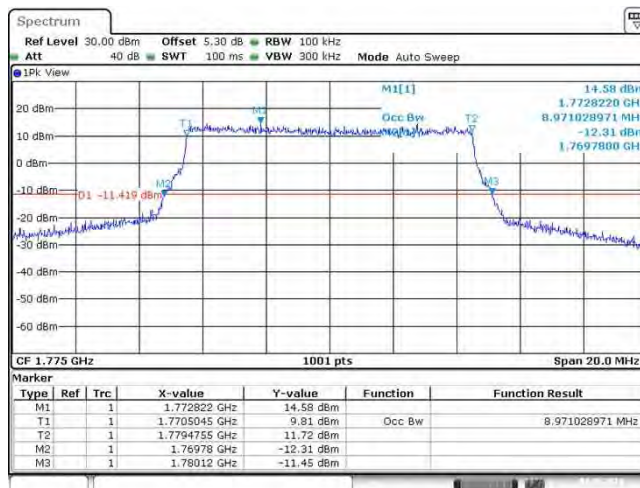
Report No.: SZEM180500437001

Page: 32 of 76



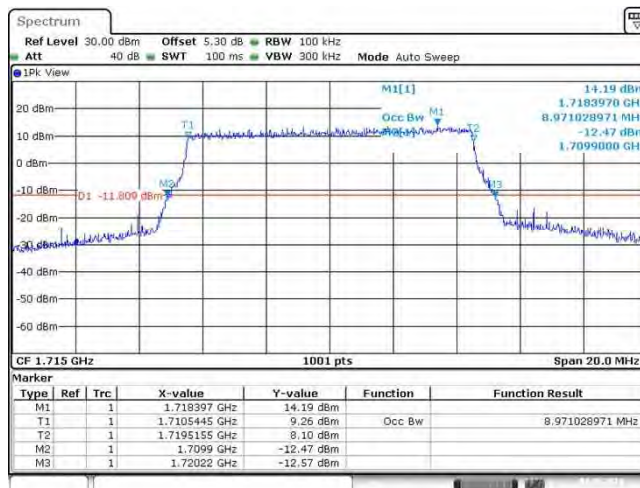
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Date: 9 AUG 2018 11:51:03

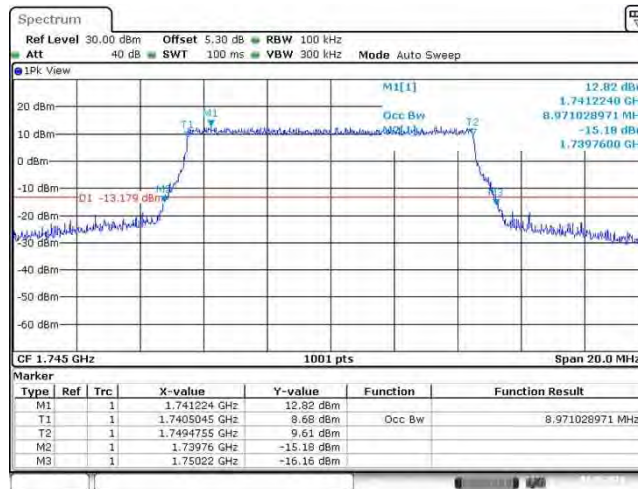
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

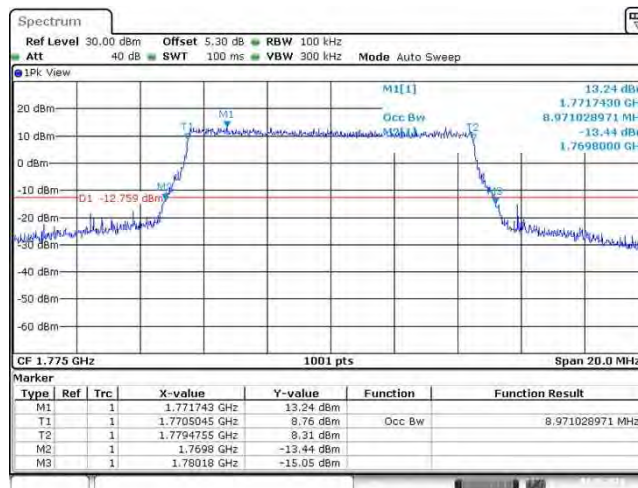
Report No.: SZEM180500437001

Page: 33 of 76



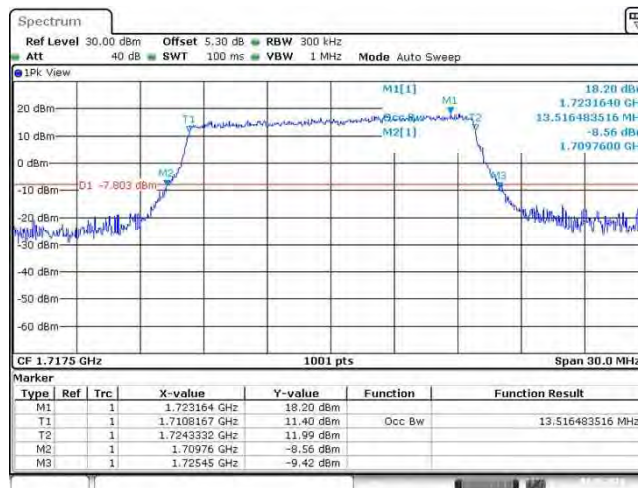
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Date: 9 AUG 2018 11:51:58

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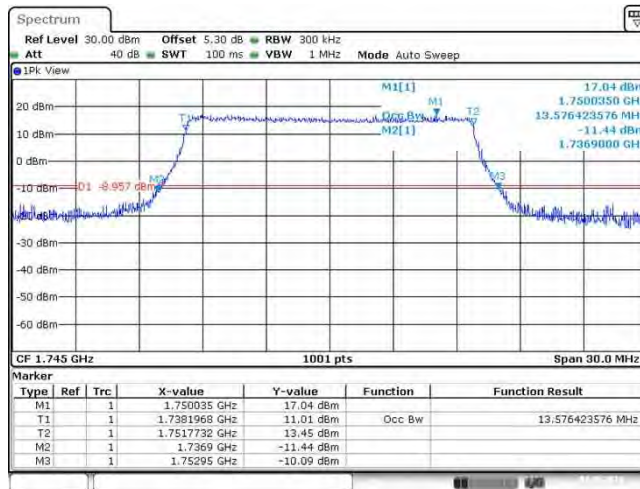
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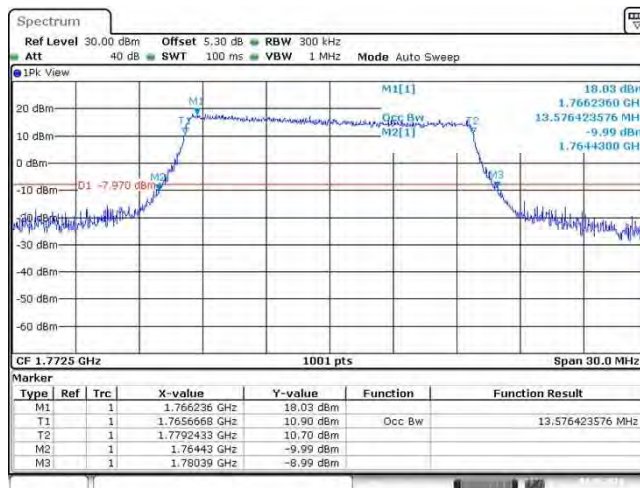
Report No.: SZEM180500437001

Page: 34 of 76



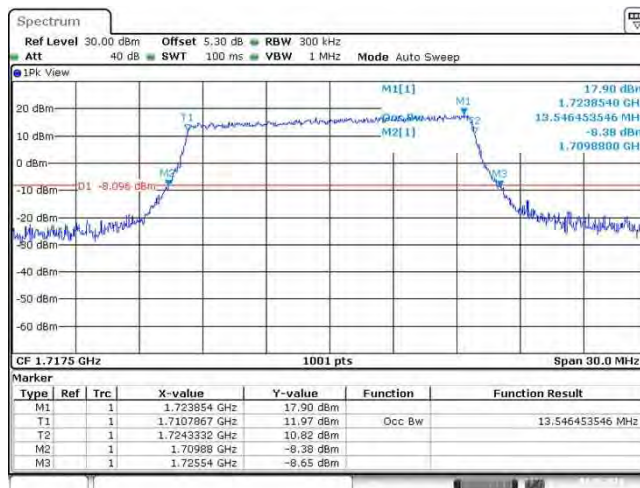
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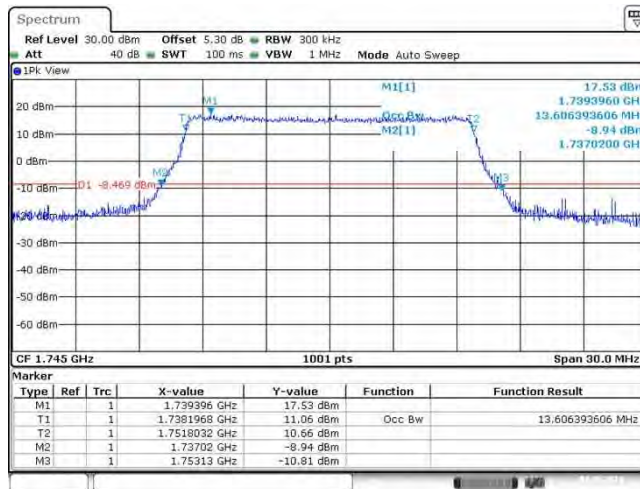
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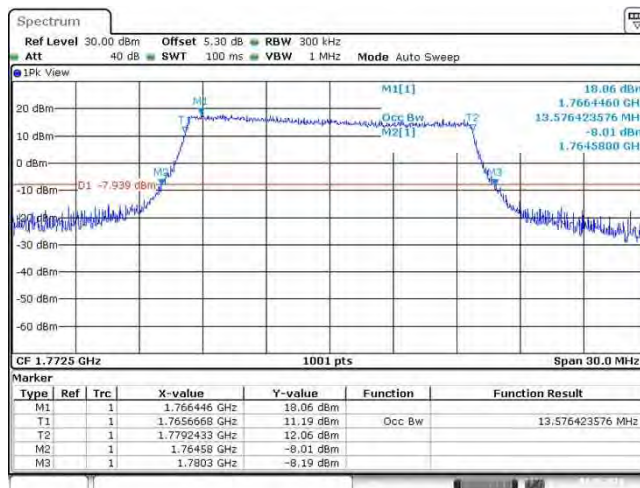
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Page: 35 of 76



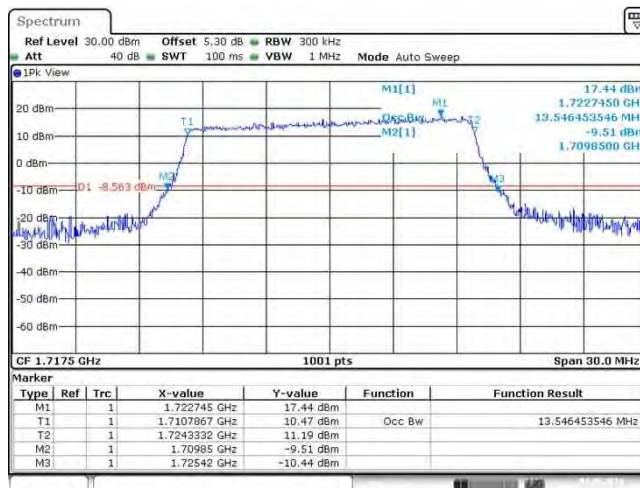
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Date: 9 AUG 2018 11:52:34

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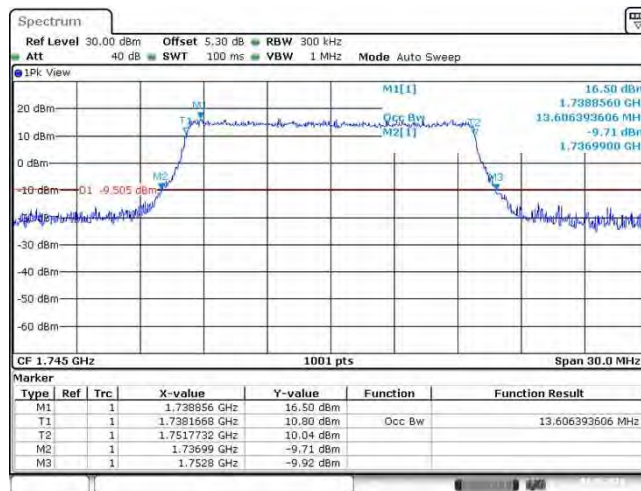
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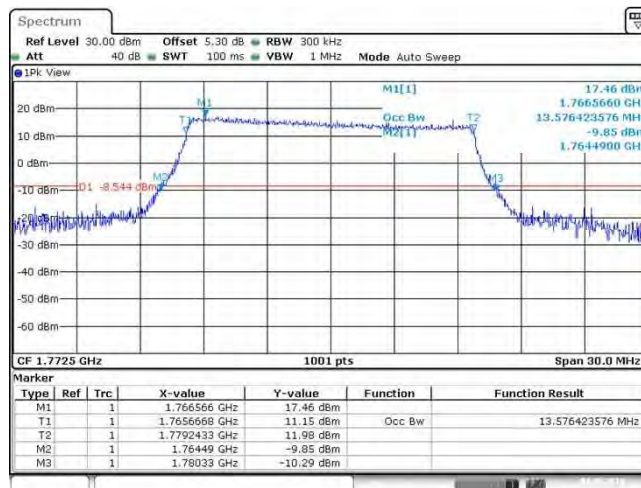
Report No.: SZEM180500437001

Page: 36 of 76



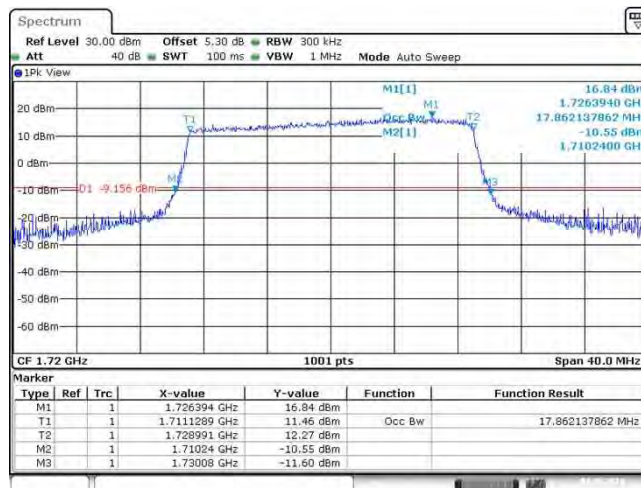
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Date: 9 AUG 2018 11:53:30

BAND66_20MHz_QPSK_132072_100RB#0



Date: 9 AUG 2018 11:53:56

BAND66_20MHz_QPSK_132322_100RB#0

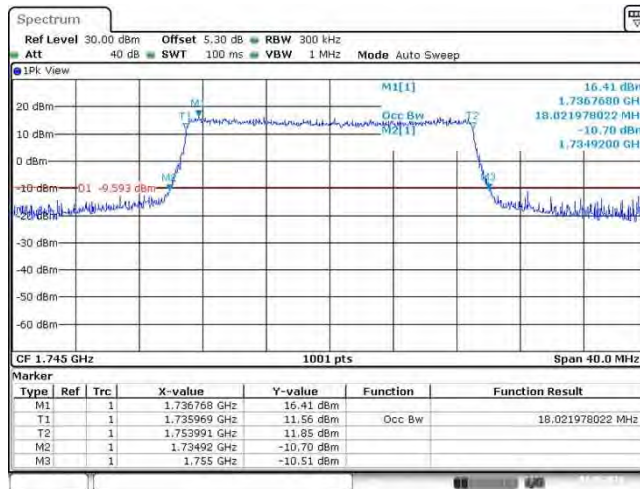
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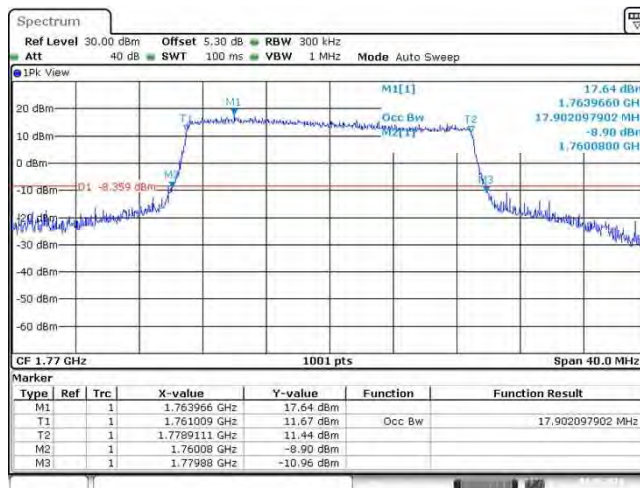
Report No.: SZEM180500437001

Page: 37 of 76



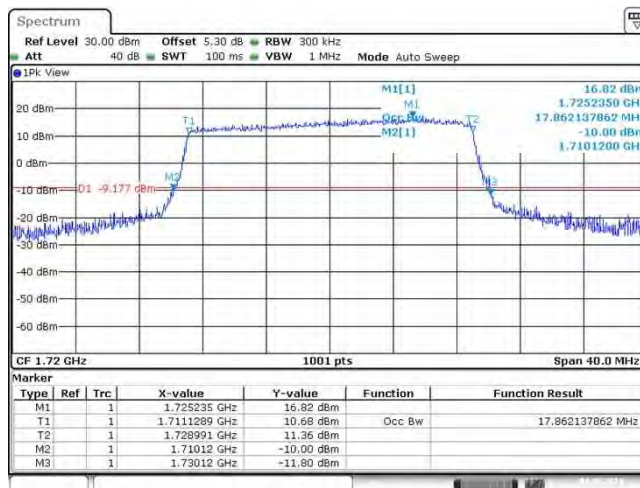
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Date: 9 AUG 2018 12:15:44

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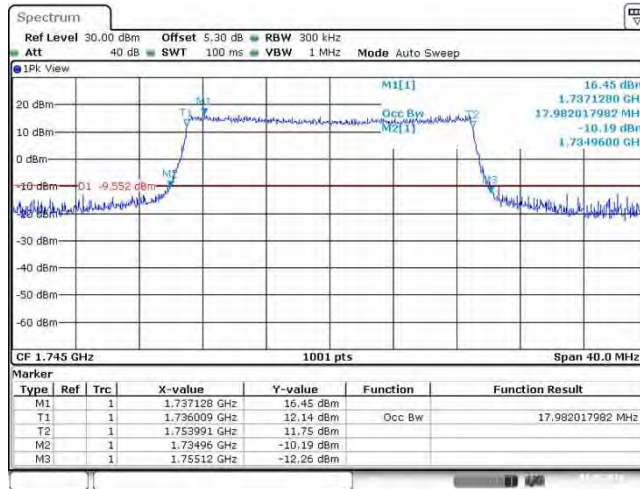
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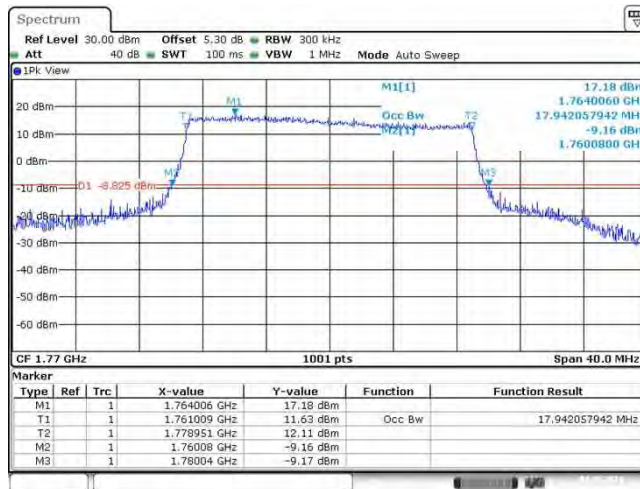
Report No.: SZEM180500437001

Page: 38 of 76



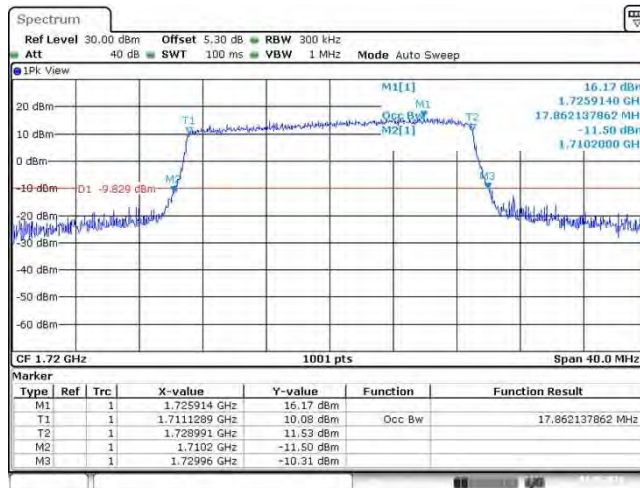
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Date: 9 AUG 2018 12:16:16

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Date: 9 AUG 2018 11:54:09

BAND66_20MHz_16QAM_132322_100RB#0

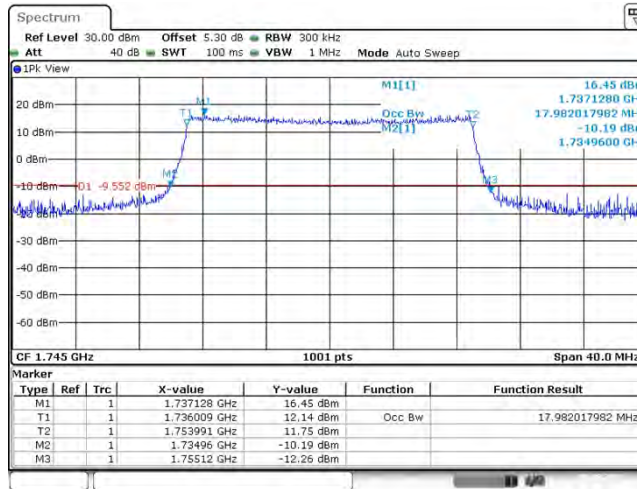
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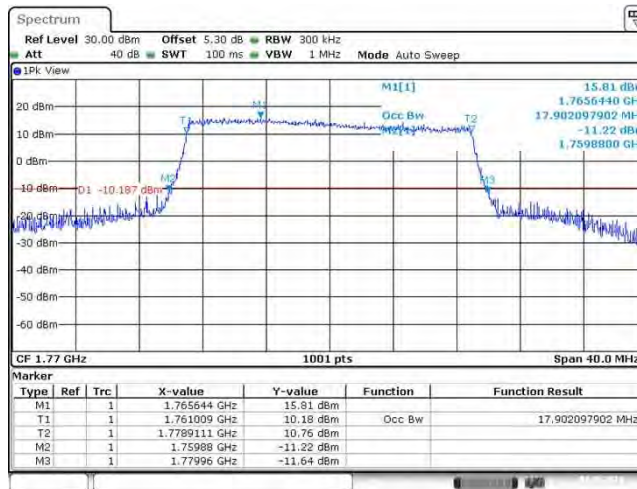
Report No.: SZEM180500437001

Page: 39 of 76



Date: 9 AUG 2018 12:16:08

BAND66_20MHz_16QAM_132572_100RB#0



Date: 9 AUG 2018 11:55:08



5. Band Edge Compliance

5.1. Test Plots

BAND66_1.4MHz_QPSK_131979_1RB#0



Date: 2 SEP 2018 06:54:28

BAND66_1.4MHz_QPSK_131979_6RB#0



Date: 2 SEP 2018 06:59:37

BAND66_1.4MHz_QPSK_132665_1RB#5



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Report No.: SZEM180500437001

Page: 41 of 76



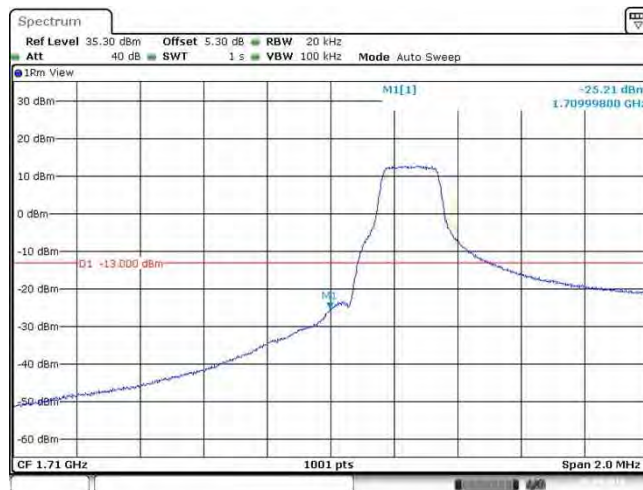
Date: 2 SEP 2018 06:57:03

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Date: 2 SEP 2018 07:01:59

BAND66_1.4MHz_64QAM_131979_1RB#0



Date: 2 SEP 2018 06:56:00

BAND66_1.4MHz_64QAM_131979_6RB#0



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 42 of 76



Date: 2 SEP 2018 07:01:09

BAND66_1.4MHz_64QAM_132665_1RB#5



Date: 2 SEP 2018 06:58:35

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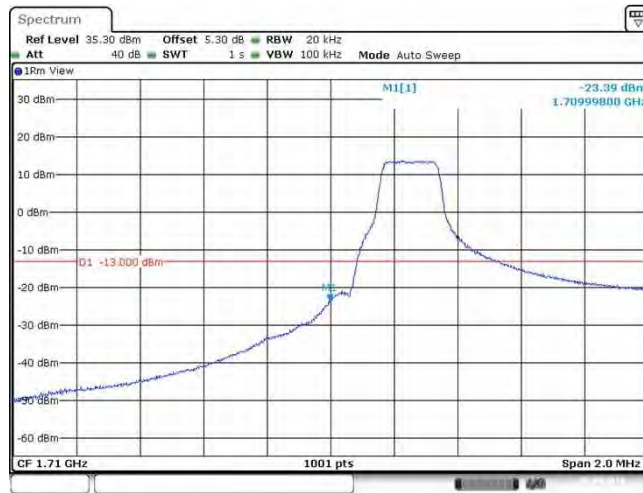
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 43 of 76



Date: 2 SEP 2018 06:55:14

BAND66_1.4MHz_16QAM_131979_6RB#0



Date: 2 SEP 2018 07:00:23

BAND66_1.4MHz_16QAM_132665_1RB#5



Date: 2 SEP 2018 06:57:49

BAND66_1.4MHz_16QAM_132665_6RB#0



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 44 of 76



Date: 2 SEP 2018 07:52:45

BAND66_3MHz_QPSK_131987_1RB#0



Date: 2 SEP 2018 07:54:24

BAND66_3MHz_QPSK_131987_15RB#0



Date: 2 SEP 2018 07:59:11

BAND66_3MHz_QPSK_132657_1RB#14



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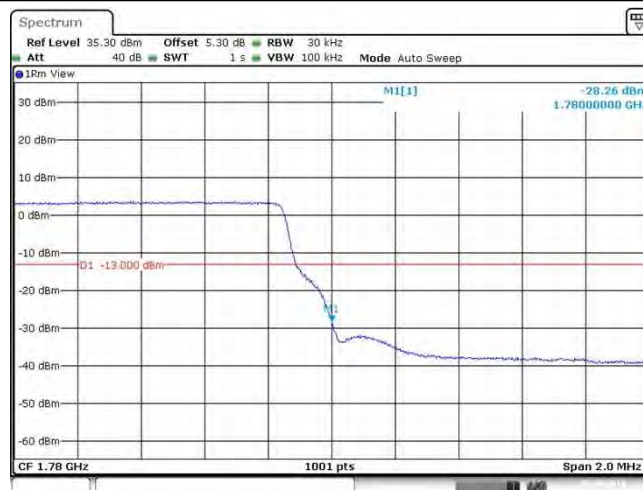
Report No.: SZEM180500437001

Page: 45 of 76



Date: 2 SEP 2018 07:06:47

BAND66_3MHz_QPSK_132657_15RB#0



Date: 2 SEP 2018 07:11:29

BAND66_3MHz_64QAM_131987_1RB#0



Date: 2 SEP 2018 07:05:56

BAND66_3MHz_64QAM_131987_15RB#0

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Report No.: SZEM180500437001

Page: 46 of 76



Date: 2 SEP 2018 07:10:42

BAND66_3MHz_64QAM_132657_1RB#14



Date: 2 SEP 2018 07:08:19

BAND66_3MHz_64QAM_132657_15RB#0



Date: 2 SEP 2018 07:13:01

BAND66_3MHz_16QAM_131987_1RB#0

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Report No.: SZEM180500437001

Page: 47 of 76



Date: 2 SEP 2018 07:05:10

BAND66_3MHz_16QAM_131987_15RB#0



Date: 2 SEP 2018 07:09:57

BAND66_3MHz_16QAM_132657_1RB#14



Date: 2 SEP 2018 07:07:33

BAND66_3MHz_16QAM_132657_15RB#0

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Report No.: SZEM180500437001

Page: 48 of 76



Date: 2 SEP 2018 07:12:15

BAND66_5MHz_QPSK_131997_1RB#0



Date: 2 SEP 2018 07:13:54

BAND66_5MHz_QPSK_131997_25RB#0



Date: 2 SEP 2018 07:18:40

BAND66_5MHz_QPSK_132647_1RB#24



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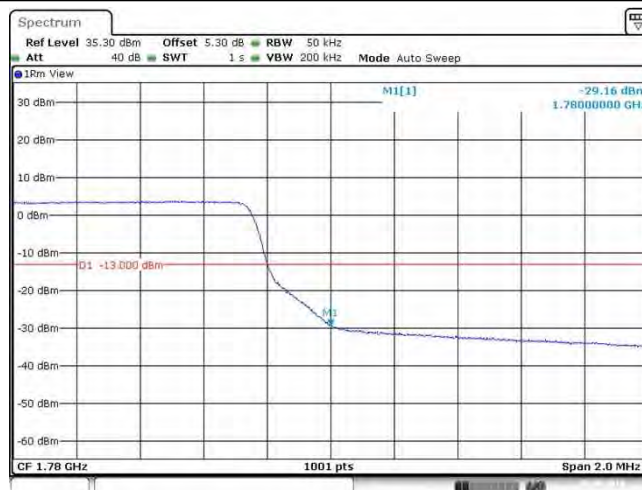
Report No.: SZEM180500437001

Page: 49 of 76



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Date: 2 SEP 2018 07:29:58

BAND66_5MHz_64QAM_131997_1RB#0



Date: 2 SEP 2018 07:15:25

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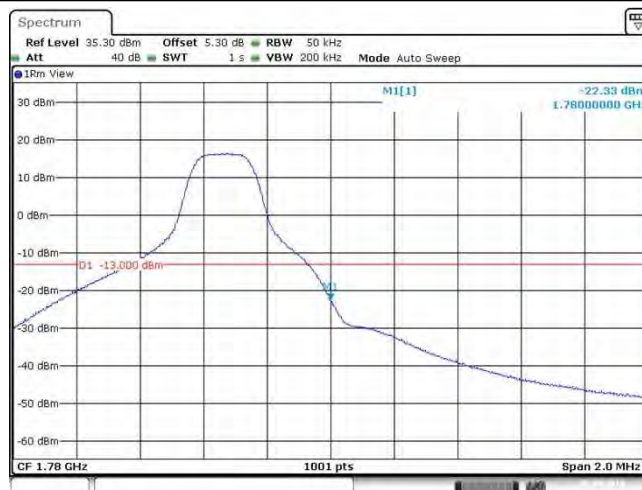
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Page: 50 of 76



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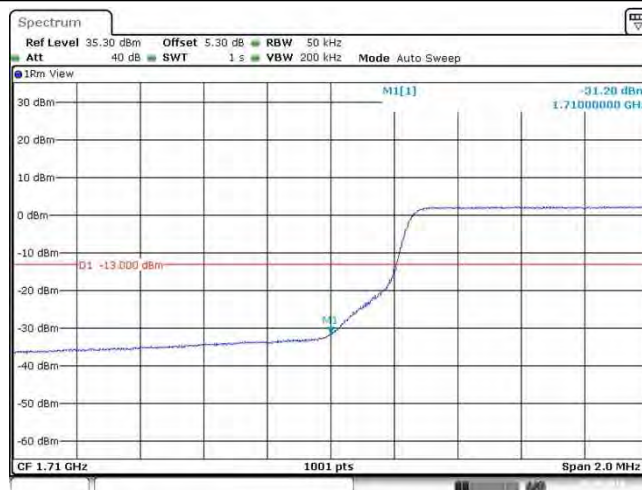
Report No.: SZEM180500437001

Page: 51 of 76



Date: 2 SEP 2018 07:14:39

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BAND66_5MHz_16QAM_132647_1RB#24



Date: 2 SEP 2018 07:17:53

BAND66_5MHz_16QAM_132647_25RB#0

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 52 of 76



Date: 2 SEP 2018 07:21:44

BAND66_10MHz_QPSK_132022_1RB#0



Date: 2 SEP 2018 07:23:23

BAND66_10MHz_QPSK_132022_50RB#0



Date: 2 SEP 2018 07:31:47

BAND66_10MHz_QPSK_132622_1RB#49

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 53 of 76



Date: 2 SEP 2018 07:29:24

BAND66_10MHz_QPSK_132622_50RB#0



Date: 2 SEP 2018 07:34:04

BAND66_10MHz_64QAM_132022_1RB#0



Date: 2 SEP 2018 07:24:55

BAND66_10MHz_64QAM_132022_50RB#0



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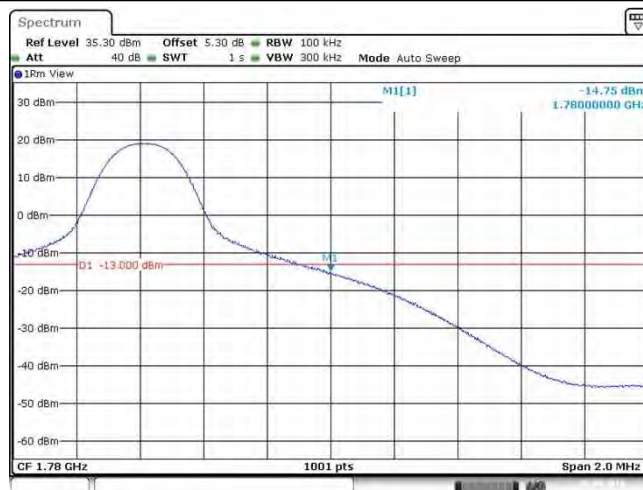
Report No.: SZEM180500437001

Page: 54 of 76



Date: 2 SEP 2018 07:33:18

BAND66_10MHz_64QAM_132622_1RB#49



Date: 2 SEP 2018 07:39:56

BAND66_10MHz_64QAM_132622_50RB#0



Date: 2 SEP 2018 07:35:35

BAND66_10MHz_16QAM_132022_1RB#0

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 55 of 76



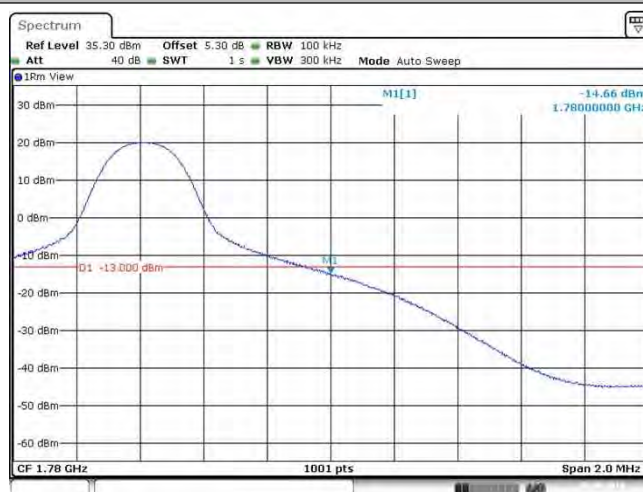
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BAND66_10MHz_16QAM_132022_50RB#0



Date: 2 SEP 2018 07:32:32

BAND66_10MHz_16QAM_132622_1RB#49



Date: 2 SEP 2018 07:38:18

BAND66_10MHz_16QAM_132622_50RB#0



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 56 of 76



Date: 2 SEP 2018 07:34:49

BAND66_15MHz_QPSK_132047_1RB#0



Date: 2 SEP 2018 07:36:35

BAND66_15MHz_QPSK_132047_75RB#0



Date: 2 SEP 2018 07:42:27

BAND66_15MHz_QPSK_132597_1RB#74

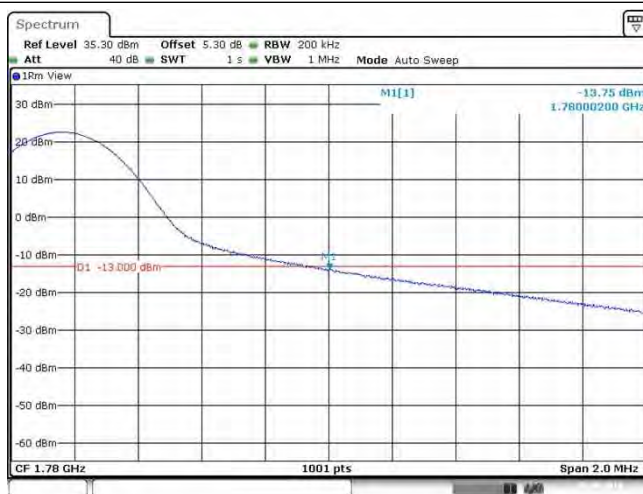
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 57 of 76



Date: 2 SEP 2018 07:39:54

BAND66_15MHz_QPSK_132597_75RB#0



Date: 2 SEP 2018 07:44:49

BAND66_15MHz_64QAM_132047_1RB#0



Date: 2 SEP 2018 07:38:97

BAND66_15MHz_64QAM_132047_75RB#0

Spectrum

Ref Level 35.30 dBm Offset 5.30 dB RBW 200 kHz
 Att 40 dB SWT 1 s VBW 1 MHz Mode Auto Sweep

17m View

30 dBm
 20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm

M1[1] -31.48 dBm
 1.70994000 GHz

D1 -13.000 dBm

M1

CF 1.71 GHz 1001 pts Span 2.0 MHz

Spectrum

Ref Level 35.30 dBm Offset 5.30 dB RBW 200 kHz
 Att 40 dB SWT 1.5 VBW 1 MHz Mode Auto Sweep

3Rm View

MI[1]

-14.96 dBm
 1.78000600 GHz

D1 -13.000 dBm

CF 1.78 GHz 1001 pts Span 2.0 MHz

Spectrum

Ref Level 35.30 dBm Offset 5.30 dB RBW 200 kHz
 Att 40 dB SWT 1 s VBW 1 MHz Mode Auto Sweep

13m View

30 dBm
 20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm

M1[1] -30.46 dBm
 1.78000600 GHz

D1 -13.000 dBm

CF 1.78 GHz 1001 pts Span 2.0 MHz

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 59 of 76



Date: 2 SEP 2018 07:37:21

BAND66_15MHz_16QAM_132047_75RB#0



Date: 2 SEP 2018 07:43:13

BAND66_15MHz_16QAM_132597_1RB#74



Date: 2 SEP 2018 07:48:39

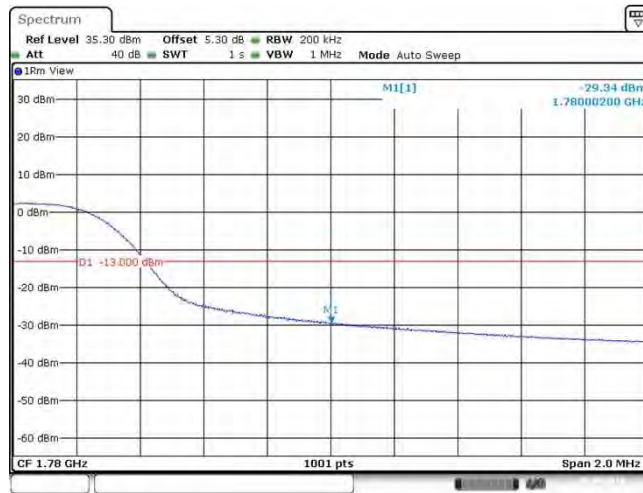
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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 60 of 76



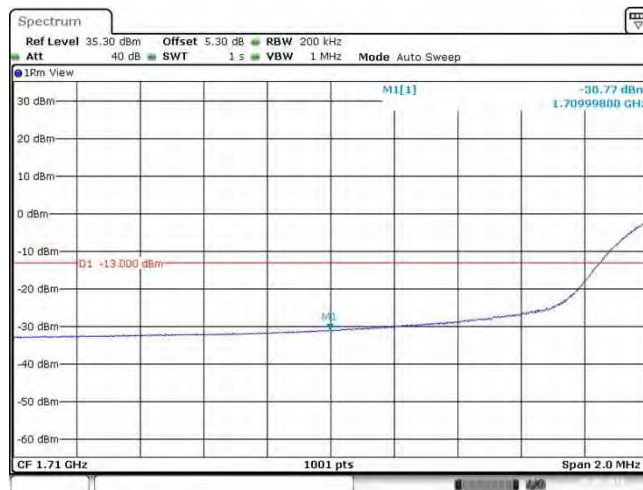
Date: 2 SEP 2018 07:45:35

BAND66_20MHz_QPSK_132072_1RB#0



Date: 2 SEP 2018 07:47:21

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Date: 2 SEP 2018 07:55:21

BAND66_20MHz_QPSK_132572_1RB#99

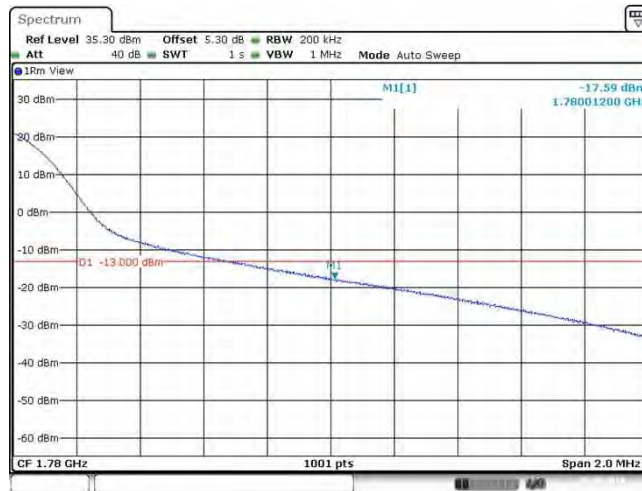
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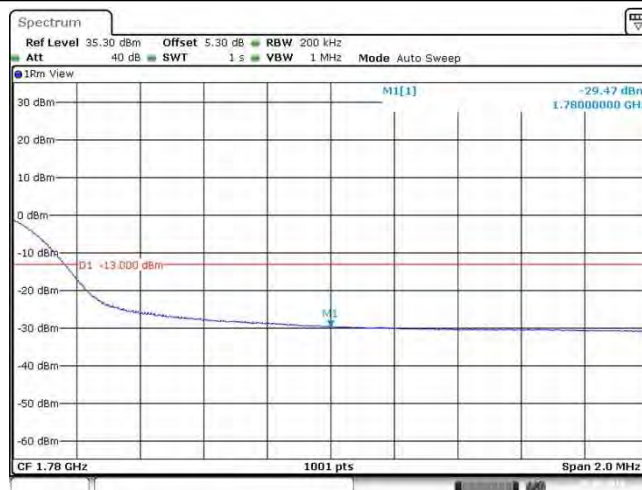
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Page: 61 of 76



Date: 2 SEP 2018 07:52:48

BAND66_20MHz_QPSK_132572_100RB#0



Date: 2 SEP 2018 07:57:39

BAND66_20MHz_64QAM_132072_1RB#0



Date: 2 SEP 2018 07:48:53

BAND66_20MHz_64QAM_132072_100RB#0

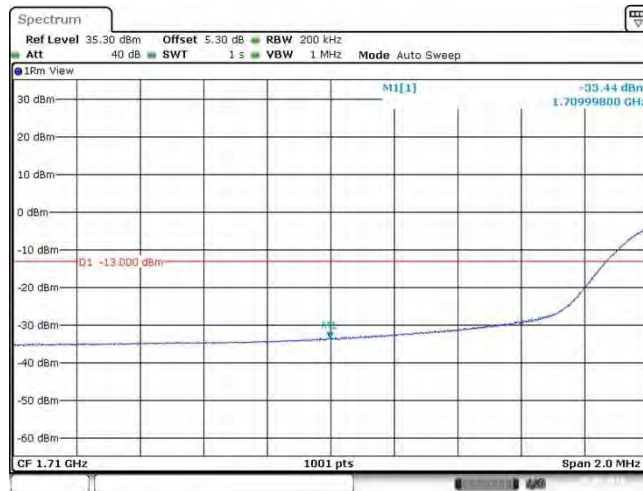
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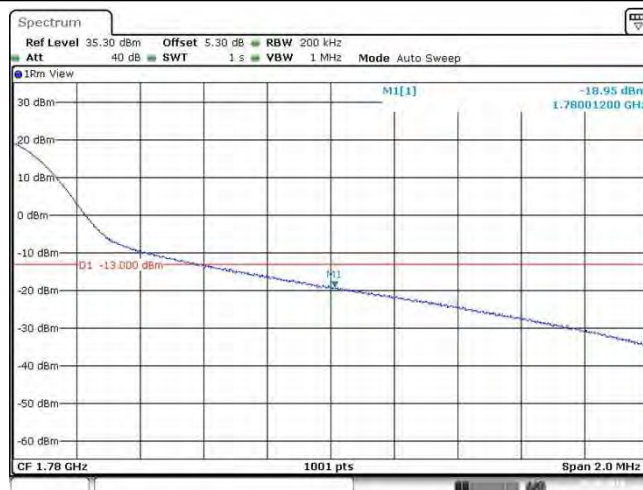
Report No.: SZEM180500437001

Page: 62 of 76



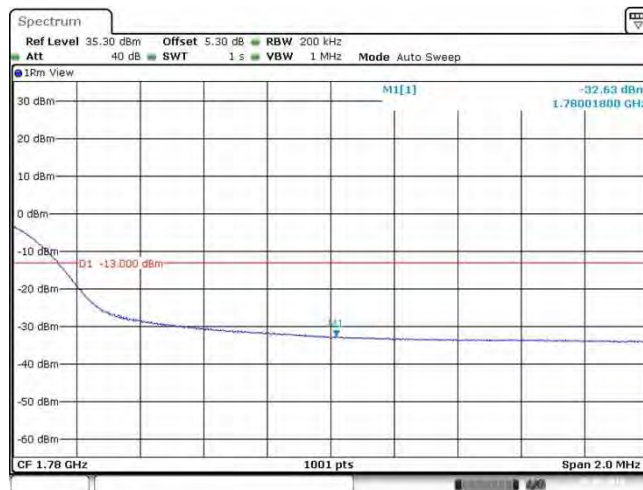
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Date: 2 SEP 2018 07:59:18

BAND66_20MHz_16QAM_132072_1RB#0



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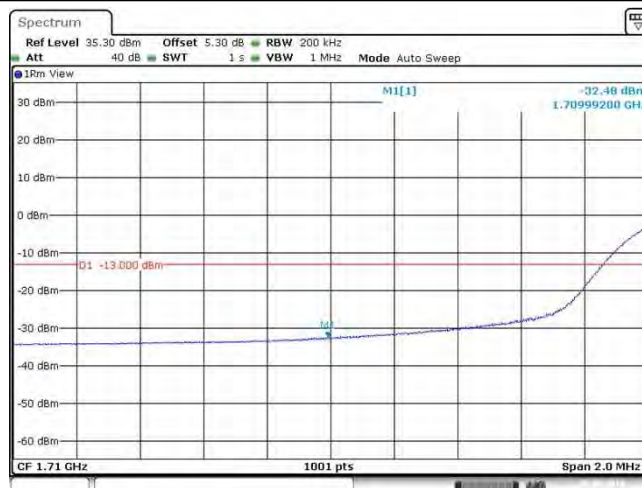
Report No.: SZEM180500437001

Page: 63 of 76



Date: 2 SEP 2018 07:48:07

BAND66_20MHz_16QAM_132072_100RB#0



Date: 2 SEP 2018 07:56:07

BAND66_20MHz_16QAM_132572_1RB#99



Date: 2 SEP 2018 07:53:33

BAND66_20MHz_16QAM_132572_100RB#0



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 64 of 76



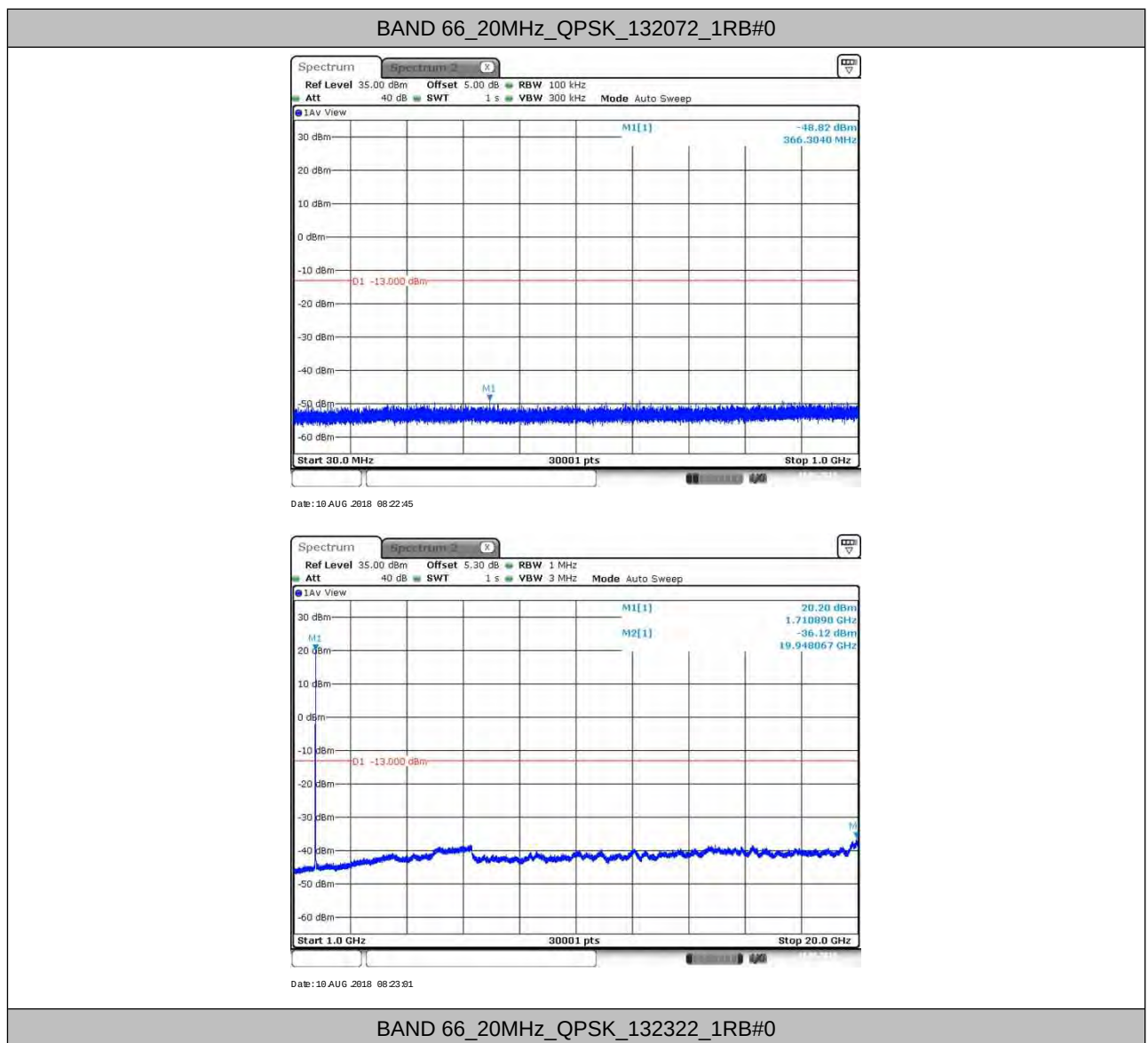


6. Spurious Emission at Antenna Terminal

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 = $k * (Span / RBW)$ " 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.

6.1. Test Plots

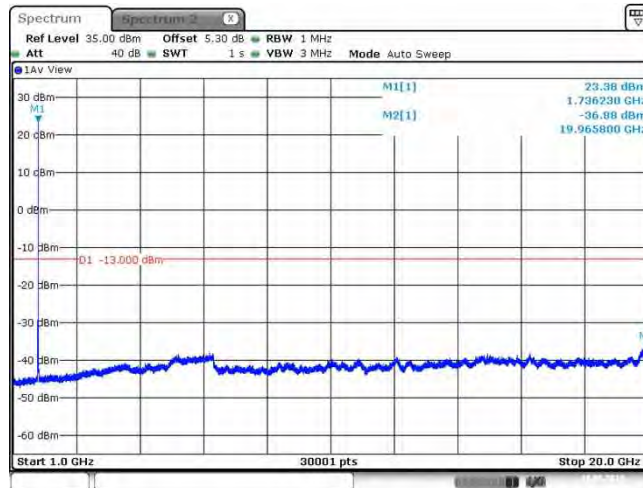
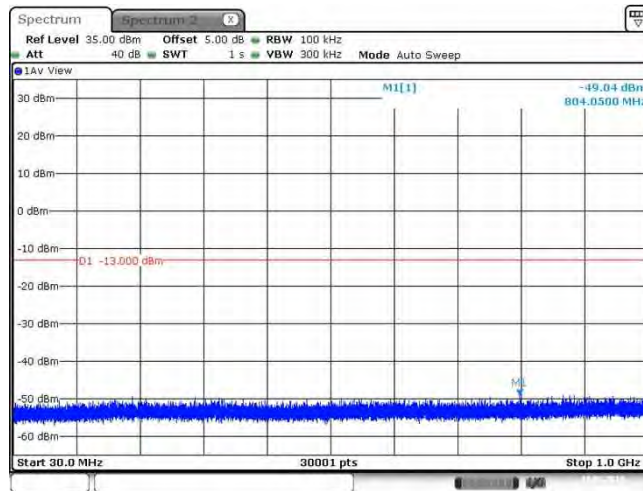




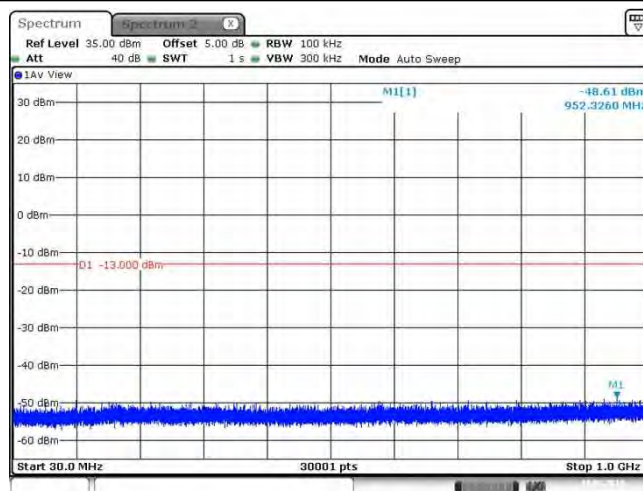
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 66 of 76



BAND 66_20MHz_QPSK_132572_1RB#0

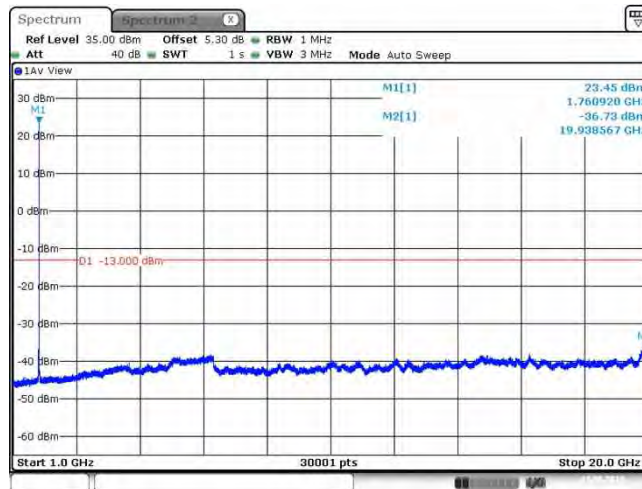




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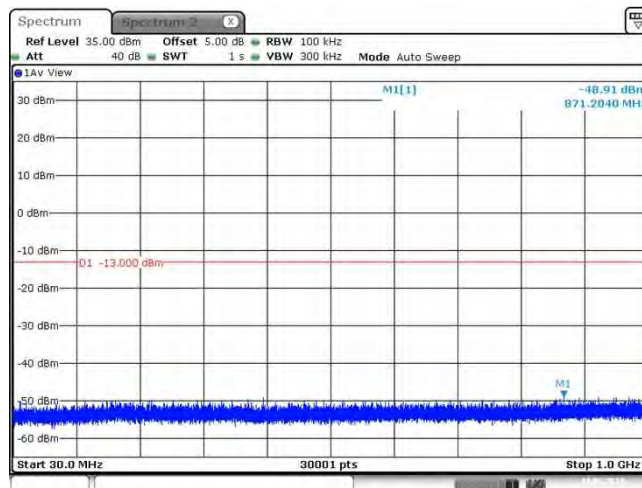
Report No.: SZEM180500437001

Page: 67 of 76

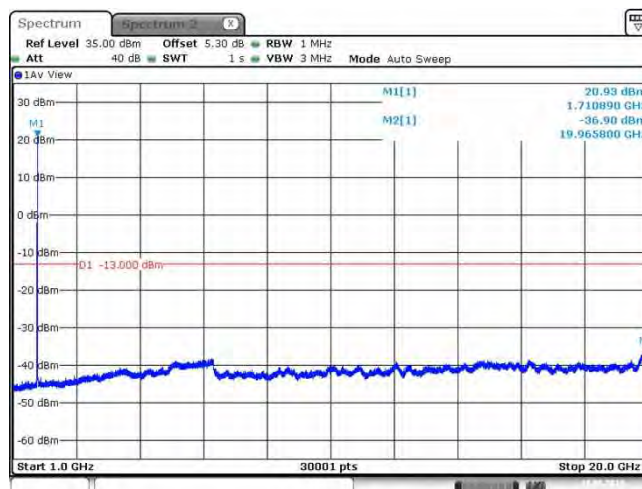


Date: 19 AUG 2018 08:48:12

BAND 66_20MHz_16QAM_132072_1RB#0



Date: 19 AUG 2018 08:23:20



Date: 19 AUG 2018 08:23:36

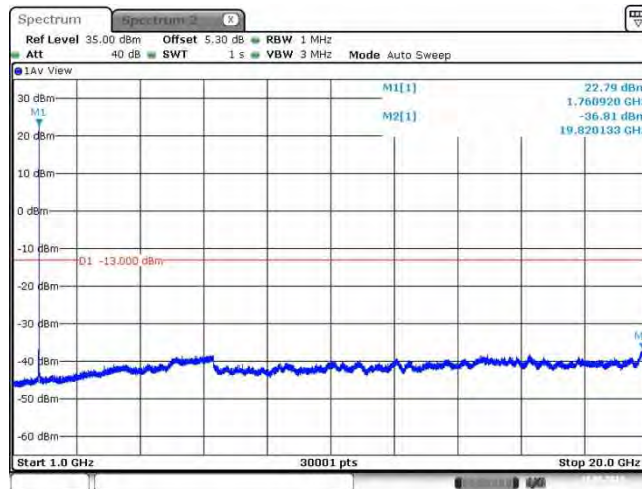
BAND 66_20MHz_16QAM_132322_1RB#0



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

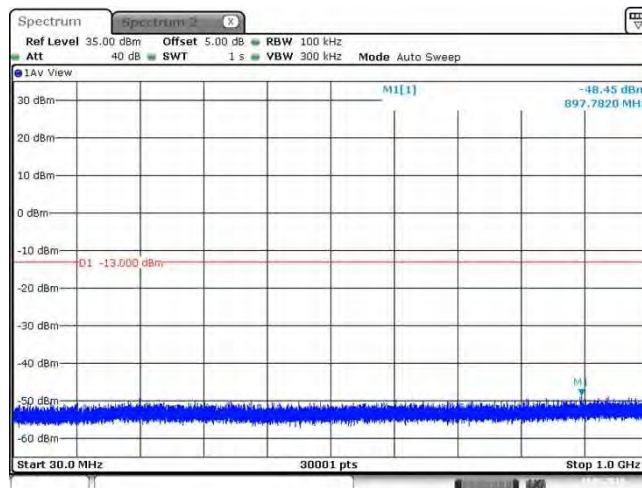
Report No.: SZEM180500437001

Page: 69 of 76

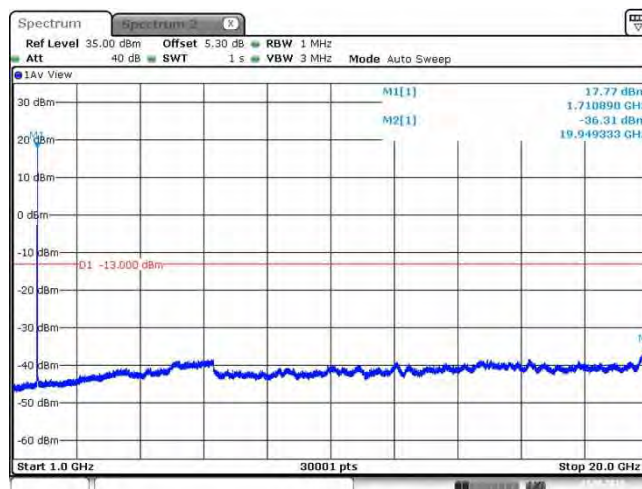


Date: 19 AUG 2018 08:48:47

BAND 66_20MHz_64QAM_132072_1RB#0



Date: 19 AUG 2018 08:25:01



Date: 19 AUG 2018 08:25:17

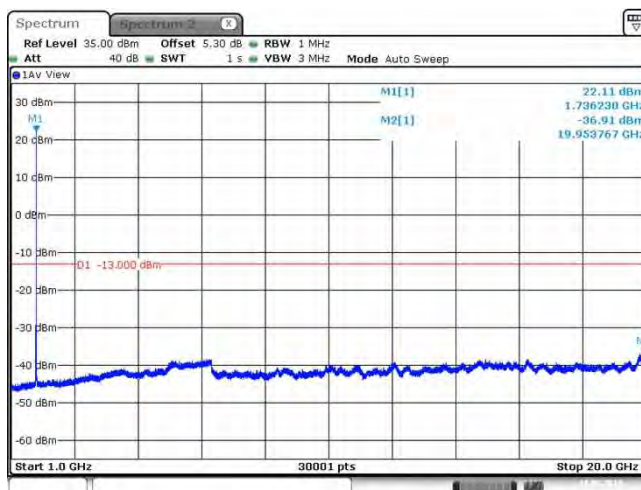
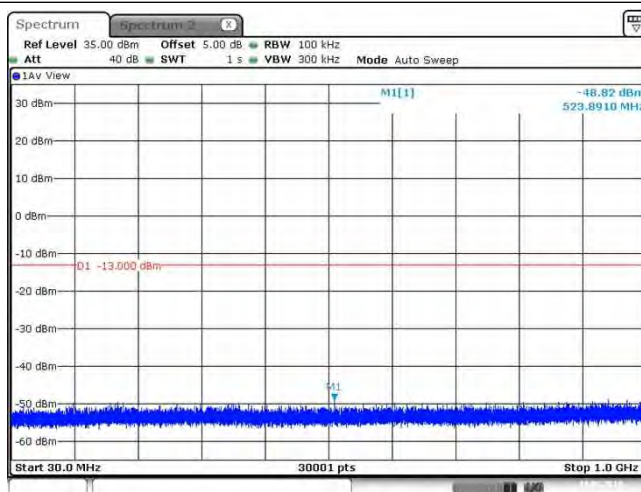
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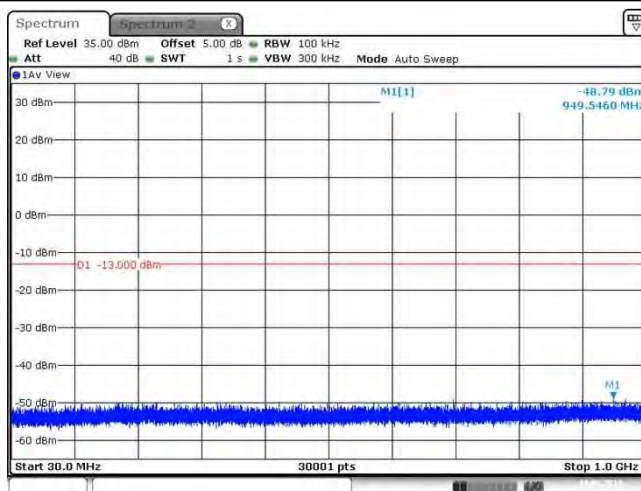
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 70 of 76



BAND 66_20MHz_64QAM_132572_1RB#0







7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE BAND 66

7.1.1. Test Mode = LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.250000	-82.02	-13.00	69.02	Vertical
125.000000	-86.52	-13.00	73.52	Vertical
348.400000	-85.89	-13.00	72.89	Vertical
5146.625000	-64.54	-13.00	51.54	Vertical
7885.725000	-63.72	-13.00	50.72	Vertical
10618.325000	-63.09	-13.00	50.09	Vertical
62.250000	-78.24	-13.00	65.24	Horizontal
104.300000	-87.05	-13.00	74.05	Horizontal
259.350000	-87.09	-13.00	74.09	Horizontal
4301.950000	-66.54	-13.00	53.54	Horizontal
6050.125000	-64.98	-13.00	51.98	Horizontal
9239.675000	-63.44	-13.00	50.44	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.200000	-81.81	-13.00	68.81	Vertical
125.000000	-87.06	-13.00	74.06	Vertical
349.750000	-86.47	-13.00	73.47	Vertical
5208.375000	-65.78	-13.00	52.78	Vertical
7249.050000	-64.33	-13.00	51.33	Vertical
9246.175000	-63.29	-13.00	50.29	Vertical
62.500000	-77.36	-13.00	64.36	Horizontal
104.300000	-87.13	-13.00	74.13	Horizontal
256.450000	-87.68	-13.00	74.68	Horizontal
5049.775000	-66.24	-13.00	53.24	Horizontal
7980.625000	-63.55	-13.00	50.55	Horizontal
10618.325000	-63.30	-13.00	50.30	Horizontal



7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.300000	-82.07	-13.00	69.07	Vertical
124.950000	-87.19	-13.00	74.19	Vertical
347.900000	-86.45	-13.00	73.45	Vertical
6486.925000	-64.51	-13.00	51.51	Vertical
9248.775000	-63.35	-13.00	50.35	Vertical
11235.500000	-63.56	-13.00	50.56	Vertical
63.300000	-78.18	-13.00	65.18	Horizontal
144.800000	-91.02	-13.00	78.02	Horizontal
259.350000	-87.20	-13.00	74.20	Horizontal
4999.400000	-66.32	-13.00	53.32	Horizontal
7956.575000	-63.60	-13.00	50.60	Horizontal
10647.250000	-63.40	-13.00	50.40	Horizontal

NOTE:

- 1) All modes are tested, but the data presented above is the worst case. the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



8. Frequency Stability

8.1 Frequency Vs Voltage

BAND	Bandwidth	Modulation	Channel	Voltage		Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
				RB Configure	Voltage [Vdc]					
BAND66	20MHz	QPSK	132072	100RB#0	VH	NT	1.80	0.001047	±2.5	PASS
				100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
				100RB#0	VN	NT	2.80	0.001628	±2.5	PASS
			132322	100RB#0	VH	NT	2.30	0.001337	±2.5	PASS
				100RB#0	VL	NT	0.50	0.000291	±2.5	PASS
				100RB#0	VN	NT	1.60	0.000930	±2.5	PASS
			132572	100RB#0	VH	NT	0.10	0.000056	±2.5	PASS
				100RB#0	VL	NT	0.90	0.000508	±2.5	PASS
				100RB#0	VN	NT	2.70	0.001525	±2.5	PASS
		16QAM	132072	100RB#0	VH	NT	1.30	0.000756	±2.5	PASS
				100RB#0	VL	NT	1.70	0.000988	±2.5	PASS
				100RB#0	VN	NT	2.50	0.001453	±2.5	PASS
			132322	100RB#0	VH	NT	0.20	0.000115	±2.5	PASS
				100RB#0	VL	NT	0.70	0.000401	±2.5	PASS
				100RB#0	VN	NT	0.50	0.000287	±2.5	PASS
			132572	100RB#0	VH	NT	1.20	0.000678	±2.5	PASS
				100RB#0	VL	NT	1.60	0.000904	±2.5	PASS
				100RB#0	VN	NT	1.90	0.001073	±2.5	PASS
		64QAM	132072	100RB#0	VH	NT	1.60	0.000930	±2.5	PASS
				100RB#0	VL	NT	0.50	0.000291	±2.5	PASS
				100RB#0	VN	NT	2.30	0.001337	±2.5	PASS
			132322	100RB#0	VH	NT	0.10	0.000057	±2.5	PASS
				100RB#0	VL	NT	0.80	0.000458	±2.5	PASS
				100RB#0	VN	NT	1.90	0.001089	±2.5	PASS
			132572	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
				100RB#0	VL	NT	2.20	0.001243	±2.5	PASS
				100RB#0	VN	NT	1.40	0.000791	±2.5	PASS



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180500437001

Page: 75 of 76

8.2 Frequency Vs Temperature

BAND	Bandwidth	Modulation	Channel	Temperature						
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND66	20MHz	QPSK	132072	100RB#0	NV	0	2.00	0.001163	±2.5	PASS
				100RB#0	NV	10	0.20	0.000116	±2.5	PASS
				100RB#0	NV	20	2.40	0.001395	±2.5	PASS
				100RB#0	NV	-20	1.50	0.000872	±2.5	PASS
				100RB#0	NV	-30	2.00	0.001163	±2.5	PASS
			132322	100RB#0	NV	0	2.80	0.001628	±2.5	PASS
				100RB#0	NV	10	1.20	0.000698	±2.5	PASS
				100RB#0	NV	20	1.40	0.000814	±2.5	PASS
				100RB#0	NV	-20	2.10	0.001221	±2.5	PASS
				100RB#0	NV	-30	2.30	0.001337	±2.5	PASS
			132572	100RB#0	NV	0	2.60	0.001469	±2.5	PASS
				100RB#0	NV	10	1.80	0.001017	±2.5	PASS
				100RB#0	NV	20	3.60	0.002034	±2.5	PASS
				100RB#0	NV	-20	1.20	0.000678	±2.5	PASS
				100RB#0	NV	-30	2.00	0.001130	±2.5	PASS
		16QAM	132072	100RB#0	NV	0	3.70	0.002151	±2.5	PASS
				100RB#0	NV	10	2.00	0.001163	±2.5	PASS
				100RB#0	NV	20	2.20	0.001279	±2.5	PASS
				100RB#0	NV	-20	2.40	0.001395	±2.5	PASS
				100RB#0	NV	-30	0.50	0.000291	±2.5	PASS
			132322	100RB#0	NV	0	0.90	0.000516	±2.5	PASS
				100RB#0	NV	10	0.40	0.000229	±2.5	PASS
				100RB#0	NV	20	2.70	0.001547	±2.5	PASS
				100RB#0	NV	-20	1.90	0.001089	±2.5	PASS
				100RB#0	NV	-30	0.60	0.000344	±2.5	PASS
			132572	100RB#0	NV	0	1.70	0.000960	±2.5	PASS
				100RB#0	NV	10	1.40	0.000791	±2.5	PASS
				100RB#0	NV	20	1.80	0.001017	±2.5	PASS
				100RB#0	NV	-20	2.10	0.001186	±2.5	PASS
				100RB#0	NV	-30	1.90	0.001073	±2.5	PASS
		64QAM	132072	100RB#0	NV	0	1.80	0.001017	±2.5	PASS
				100RB#0	NV	10	0.80	0.000458	±2.5	PASS
				100RB#0	NV	20	2.00	0.001163	±2.5	PASS
				100RB#0	NV	-20	2.20	0.001279	±2.5	PASS
				100RB#0	NV	-30	2.80	0.001628	±2.5	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180500437001

Page: 76 of 76

			132322	100RB#0	NV	0	1.60	0.000917	±2.5	PASS
				100RB#0	NV	10	1.10	0.000630	±2.5	PASS
				100RB#0	NV	20	1.40	0.000802	±2.5	PASS
				100RB#0	NV	-20	0.80	0.000458	±2.5	PASS
				100RB#0	NV	-30	1.50	0.000860	±2.5	PASS
			132572	100RB#0	NV	0	2.40	0.001356	±2.5	PASS
				100RB#0	NV	10	0.70	0.000395	±2.5	PASS
				100RB#0	NV	20	1.40	0.000791	±2.5	PASS
				100RB#0	NV	-20	1.20	0.000678	±2.5	PASS
				100RB#0	NV	-30	1.10	0.000621	±2.5	PASS

The End