

LTE Band 41

LTE Band 41 20MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter / Earphone, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 41 Harmonics, 20MHz Bandwidth									
	f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
	MHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
	Low Ch, 2565MHz									
	5130.00	-7.2	V	3.0	39.8	1.0	-46.0	-25.0	-21.0	
	7695.00	-2.4	V	3.0	39.3	1.0	-40.7	-25.0	-15.7	
	10260.00	-3.4	V	3.0	38.6	1.0	-40.9	-25.0	-15.9	
	5130.00	-7.4	H	3.0	39.8	1.0	-46.2	-25.0	-21.2	
	7695.00	-5.4	H	3.0	39.3	1.0	-43.7	-25.0	-18.7	
	10260.00	-5.1	H	3.0	38.6	1.0	-42.7	-25.0	-17.7	
	Mid Ch, 2605MHz									
	5210.00	-6.5	V	3.0	39.8	1.0	-45.3	-25.0	-20.3	
	7815.00	-2.6	V	3.0	39.3	1.0	-40.9	-25.0	-15.9	
	10420.00	-2.7	V	3.0	38.6	1.0	-40.2	-25.0	-15.2	
	5210.00	-7.6	H	3.0	39.8	1.0	-46.5	-25.0	-21.5	
	7815.00	-4.3	H	3.0	39.3	1.0	-42.6	-25.0	-17.6	
	10420.00	-5.1	H	3.0	38.6	1.0	-42.7	-25.0	-17.7	
	High Ch, 2645MHz									
	5290.00	-8.1	V	3.0	39.9	1.0	-46.9	-25.0	-21.9	
	7935.00	4.8	V	3.0	39.2	1.0	-33.4	-25.0	-8.4	
	10580.00	-2.7	V	3.0	38.6	1.0	-40.2	-25.0	-15.2	
	5290.00	-8.8	H	3.0	39.9	1.0	-47.6	-25.0	-22.6	
	7935.00	-12.0	H	3.0	39.2	1.0	-50.2	-25.0	-25.2	
	10580.00	-5.5	H	3.0	38.6	1.0	-43.0	-25.0	-18.0	
LTE Band 41 20MHz 16QAM	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter / Earphone, X-Position Location: Chamber 2 Mode: LTE_16QAM Band 41 Harmonics, 20MHz Bandwidth									
	f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
	MHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
	Low Ch, 2565MHz									
	5130.00	-6.8	V	3.0	39.8	1.0	-45.6	-25.0	-20.6	
	7695.00	-3.8	V	3.0	39.3	1.0	-42.1	-25.0	-17.1	
	10260.00	-2.5	V	3.0	38.6	1.0	-40.0	-25.0	-15.0	
	5130.00	-6.7	H	3.0	39.8	1.0	-45.6	-25.0	-20.6	
	7695.00	-6.5	H	3.0	39.3	1.0	-44.8	-25.0	-19.8	
	10260.00	-6.0	H	3.0	38.6	1.0	-43.5	-25.0	-18.5	
	Mid Ch, 2605MHz									
	5210.00	-6.0	V	3.0	39.8	1.0	-44.9	-25.0	-19.9	
	7815.00	0.6	V	3.0	39.3	1.0	-37.6	-25.0	-12.6	
	10420.00	-4.3	V	3.0	38.6	1.0	-41.8	-25.0	-16.8	
	5210.00	-6.7	H	3.0	39.8	1.0	-45.5	-25.0	-20.5	
	7815.00	-3.2	H	3.0	39.3	1.0	-41.5	-25.0	-16.5	
	10420.00	-5.2	H	3.0	38.6	1.0	-42.8	-25.0	-17.8	
	High Ch, 2645MHz									
	5290.00	-8.3	V	3.0	39.9	1.0	-47.1	-25.0	-22.1	
	7935.00	5.4	V	3.0	39.2	1.0	-32.8	-25.0	-7.8	
	10580.00	-2.4	V	3.0	38.6	1.0	-39.9	-25.0	-14.9	
	5290.00	-8.3	H	3.0	39.9	1.0	-47.1	-25.0	-22.1	
	7935.00	-11.2	H	3.0	39.2	1.0	-49.4	-25.0	-24.4	
	10580.00	-8.5	H	3.0	38.6	1.0	-46.1	-25.0	-21.1	

LTE Band 41 15MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4788388893									
	Date: 2018-03-31									
	Test Engineer: 45585									
	Configuration: EUT / Adapter / Earphone, X-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 41 Harmonics, 15MHz Bandwidth									

LTE Band 41 10MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter / Earphone, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 41 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2560MHz									
	5120.00	-4.5	V	3.0	39.8	1.0	-43.3	-25.0	-18.3	
	7680.00	-1.1	V	3.0	39.3	1.0	-39.5	-25.0	-14.5	
	10240.00	2.0	V	3.0	38.6	1.0	-35.6	-25.0	-10.6	
	5120.00	-6.5	H	3.0	39.8	1.0	-45.3	-25.0	-20.3	
	7680.00	-4.2	H	3.0	39.3	1.0	-42.5	-25.0	-17.5	
	10240.00	1.6	H	3.0	38.6	1.0	-35.9	-25.0	-10.9	
	Mid Ch, 2605MHz									
	5210.00	-6.3	V	3.0	39.8	1.0	-45.1	-25.0	-20.1	
	7815.00	-2.0	V	3.0	39.3	1.0	-40.2	-25.0	-15.2	
	10420.00	-2.7	V	3.0	38.6	1.0	-40.3	-25.0	-15.3	
	5210.00	-8.8	H	3.0	39.8	1.0	-47.6	-25.0	-22.6	
	7815.00	-4.0	H	3.0	39.3	1.0	-42.2	-25.0	-17.2	
	10420.00	-5.6	H	3.0	38.6	1.0	-43.2	-25.0	-18.2	
	High Ch, 2650MHz									
	5300.00	-7.8	V	3.0	39.9	1.0	-46.7	-25.0	-21.7	
	7950.00	2.7	V	3.0	39.2	1.0	-35.5	-25.0	-10.5	
	10600.00	-2.1	V	3.0	38.6	1.0	-39.6	-25.0	-14.6	
	5300.00	-8.4	H	3.0	39.9	1.0	-47.2	-25.0	-22.2	
	7950.00	-4.0	H	3.0	39.2	1.0	-42.2	-25.0	-17.2	
	10600.00	-6.0	H	3.0	38.6	1.0	-43.6	-25.0	-18.6	
LTE Band 41 10MHz 16QAM	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter / Earphone, X-Position Location: Chamber 2 Mode: LTE_16QAM Band 41 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2560MHz									
	5120.00	-5.1	V	3.0	39.8	1.0	-44.0	-25.0	-19.0	
	7680.00	-0.4	V	3.0	39.3	1.0	-38.7	-25.0	-13.7	
	10240.00	4.1	V	3.0	38.6	1.0	-33.5	-25.0	-8.5	
	5120.00	-7.3	H	3.0	39.8	1.0	-46.1	-25.0	-21.1	
	7680.00	-4.4	H	3.0	39.3	1.0	-42.7	-25.0	-17.7	
	10240.00	1.3	H	3.0	38.6	1.0	-36.2	-25.0	-11.2	
	Mid Ch, 2605MHz									
	5210.00	-6.0	V	3.0	39.8	1.0	-44.9	-25.0	-19.9	
	7815.00	-3.4	V	3.0	39.3	1.0	-41.6	-25.0	-16.6	
	10420.00	-2.1	V	3.0	38.6	1.0	-39.7	-25.0	-14.7	
	5210.00	-9.6	H	3.0	39.8	1.0	-48.4	-25.0	-23.4	
	7815.00	-3.9	H	3.0	39.3	1.0	-42.2	-25.0	-17.2	
	10420.00	-5.8	H	3.0	38.6	1.0	-43.3	-25.0	-18.3	
	High Ch, 2650MHz									
	5300.00	-6.9	V	3.0	39.9	1.0	-45.8	-25.0	-20.8	
	7950.00	4.0	V	3.0	39.2	1.0	-34.2	-25.0	-9.2	
	10600.00	-2.8	V	3.0	38.6	1.0	-40.3	-25.0	-15.3	
	5300.00	-7.9	H	3.0	39.9	1.0	-46.8	-25.0	-21.8	
	7950.00	1.7	H	3.0	39.2	1.0	-36.5	-25.0	-11.5	
	10600.00	-6.6	H	3.0	38.6	1.0	-44.1	-25.0	-19.1	

LTE Band 41 5MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter/ Earphone, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 41 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2557.5MHz									
	5115.00	-6.5	V	3.0	39.8	1.0	-45.3	-25.0	-20.3	
	7672.50	-1.6	V	3.0	39.3	1.0	-39.9	-25.0	-14.9	
	10230.00	-1.7	V	3.0	38.6	1.0	-39.3	-25.0	-14.3	
	5115.00	-7.5	H	3.0	39.8	1.0	-46.3	-25.0	-21.3	
	7672.50	-4.5	H	3.0	39.3	1.0	-42.8	-25.0	-17.8	
	10230.00	-6.4	H	3.0	38.6	1.0	-44.0	-25.0	-19.0	
	Mid Ch, 2605MHz									
	5210.00	-8.2	V	3.0	39.8	1.0	-47.0	-25.0	-22.0	
	7815.00	-1.5	V	3.0	39.3	1.0	-39.7	-25.0	-14.7	
	10420.00	-1.3	V	3.0	38.6	1.0	-38.9	-25.0	-13.9	
	5210.00	-9.2	H	3.0	39.8	1.0	-48.1	-25.0	-23.1	
	7815.00	-2.0	H	3.0	39.3	1.0	-40.3	-25.0	-15.3	
	10420.00	-6.0	H	3.0	38.6	1.0	-43.6	-25.0	-18.6	
	High Ch, 2652.5MHz									
	5305.00	-6.6	V	3.0	39.9	1.0	-45.4	-25.0	-20.4	
	7957.50	0.8	V	3.0	39.2	1.0	-37.4	-25.0	-12.4	
	10610.00	-3.3	V	3.0	38.5	1.0	-40.9	-25.0	-15.9	
	5305.00	-9.3	H	3.0	39.9	1.0	-48.1	-25.0	-23.1	
	7957.50	1.7	H	3.0	39.2	1.0	-36.5	-25.0	-11.5	
	10610.00	-5.7	H	3.0	38.5	1.0	-43.2	-25.0	-18.2	
LTE Band 41 5MHz 16QAM	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4788388893 Date: 2018-03-31 Test Engineer: 45585 Configuration: EUT / Adapter/ Earphone, X-Position Location: Chamber 2 Mode: LTE_16QAM Band 41 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2557.5MHz									
	5115.00	-6.2	V	3.0	39.8	1.0	-45.0	-25.0	-20.0	
	7672.50	-2.5	V	3.0	39.3	1.0	-40.8	-25.0	-15.8	
	10230.00	-2.4	V	3.0	38.6	1.0	-40.0	-25.0	-15.0	
	5115.00	-7.8	H	3.0	39.8	1.0	-46.6	-25.0	-21.6	
	7672.50	-5.2	H	3.0	39.3	1.0	-43.6	-25.0	-18.6	
	10230.00	-6.2	H	3.0	38.6	1.0	-43.8	-25.0	-18.8	
	Mid Ch, 2605MHz									
	5210.00	-8.1	V	3.0	39.8	1.0	-47.0	-25.0	-22.0	
	7815.00	-1.0	V	3.0	39.3	1.0	-39.2	-25.0	-14.2	
	10420.00	-1.0	V	3.0	38.6	1.0	-38.6	-25.0	-13.6	
	5210.00	-9.0	H	3.0	39.8	1.0	-47.8	-25.0	-22.8	
	7815.00	-2.4	H	3.0	39.3	1.0	-40.7	-25.0	-15.7	
	10420.00	-5.1	H	3.0	38.6	1.0	-42.7	-25.0	-17.7	
	High Ch, 2652.5MHz									
	5305.00	-6.3	V	3.0	39.9	1.0	-45.1	-25.0	-20.1	
	7957.50	2.7	V	3.0	39.2	1.0	-35.5	-25.0	-10.5	
	10610.00	-3.3	V	3.0	38.5	1.0	-40.9	-25.0	-15.9	
	5305.00	-8.0	H	3.0	39.9	1.0	-46.9	-25.0	-21.9	
	7957.50	2.5	H	3.0	39.2	1.0	-35.7	-25.0	-10.7	
	10610.00	-5.5	H	3.0	38.5	1.0	-43.1	-25.0	-18.1	